



PRODUCT CATALOG



BDR THERMEA GROUP

PRODUCT CATALOG





Baymak Turkey's power merged with world technology

Baymak, which has a long-standing past of **48 years**, operates with two production plants a total of **60,000 m²** at Tepeören. Baymak, being one of the leading manufacturers in Turkey, has **1000** exclusive dealers, more than **2100** sales points and over **250** authorized services. Baymak, always aims to perform high-tech production with over **800** employees, has been incorporated 100% under THERMEA Group Company as of 2013. BDR Thermea Group with more than **\$ 3 billion turnover** and **6,000 employees** by comprising of Baxi (England) - De Dietrich (France) and Remeha (Netherlands) companies and with production facilities in Turkey, England, Italy, Germany, France, Spain and the Netherlands, is a leading **Netherlands** company **active in 70 countries** as the **3rd giant group of Europe** in the heating sector.



Baymak / BDR Thermea produce, export and import under the categories of heating, renewable energy, water heaters, cooling and water technology. It reaches to the consumers through combi boilers, condensing boilers, floor standing boiler, central heating boiler, panel radiators, towel radiators, valves and expansion tanks in the field of heating, and on the other hand with split air conditioners, free-standing type air conditioners and heat pumps in the field of air conditioning. It provides Baymak / BDR Thermea assurance to its users by the field of renewable energy with solar collectors, biomass boilers, biodiesel burners, photovoltaic systems, and through the field of water heaters and water technology with thermo-siphon, thermo-boiler, geyser, boilers, circulation pumps, submersible pumps, sewage pumps, self-priming multistage centrifugal pumps and hydrophore sets.



Our Mission

Baymak's mission: To contribute to the rising objectives of Turkey via the equipped staff with younger average of age and keeping its leadership in the heating-cooling sector that it serves through being backed by the technological power of BDR THERMEA.

To serve this mission, it aims to sustain its presence as a company that is competitive, institutionalized, has investment power and giving quick and healthy reactions to the changes.

Our Vision

To carry our leadership from the borders of Turkey to the world and to rank Baymak brand among the most valuable top 10 brands of the world in 2023.

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Central Heating Systems

The Warmest Technology's Ready to Serve You

At residential estates; water heating from one center is commonly provided by a central heating system. Baymak is serving to it's consumers with a large range of excellent central heating solutions under the light of it's technologic experience and know-how which has been gained in many years. Technologic knowledge of BDR Thermea and production experience of Baymak meets perfectly in Central Heating Systems.



CENTRAL HEATING SYSTEMS

- LECTUS SERIES WALL-MOUNTED CONDENSING BOILER
- LECTUS PLUS SERIES WALL-MOUNTED CONDENSING BOILER
- LOGOBLOC SERIES 3 FULL PASS LOW TEMPERATURE BOILER
- MULTIBLOC SERIES 3 FULL PASS BOILER
- YAKUT SERIES 2 PASS STEEL BOILER
- YAKUT PLUS SERIES 2 PASS STEEL BOILER
- ELMAS SERIES 2 PASS PACKAGED STEEL BOILER
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- STOCKER LINYITOMAT PLUS SERIES SOLID FUEL STEEL FLOOR STANDING BOILER
- FATIH / GOKSEL SERIES STEEL FLOOR STANDING BOILER



CENTRAL HEATING SYSTEMS

LECTUS Wall-Mounted Condensing Boiler

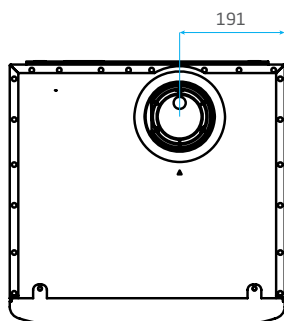
LECTUS Series

Wall-Mounted Condensing Boiler

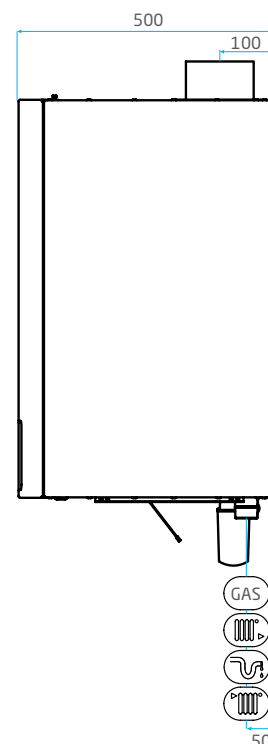
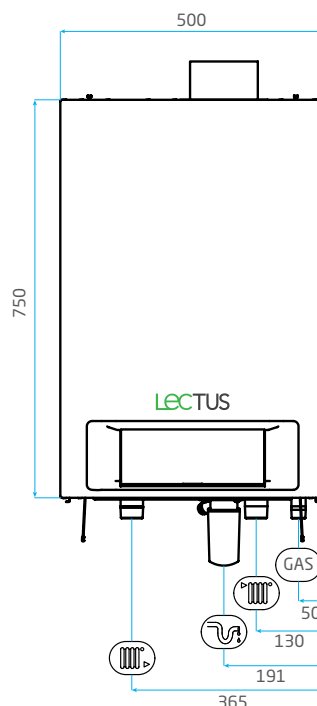


- Lectus series wall-mounted condensing boilers have a one-piece Al-Mg-Si cast heat exchanger
- High combustion efficiency is provided by the stainless steel burner and modulating fan
- Has an efficiency value yielding up to 111,3% in accordance with DIN 4708-2 norm at 40°C of installation water flow temperature and 30°C of installation water return temperature.
- Boilers can be connected as cascade up to 15 boilers
- Has low emissions and high combustion efficiency with frequency-controlled fan. (NOx < 39 mg/kWh)
- The boiler is extremely quiet due to operating below 52 dB
- All the values to be seen over the boiler can be seen via Siemens control panels and a computer and can be intervened in.
- Saves space with its compact dimensions of 75x50x50 cm
- Can be used with Natural Gas and Propane. (The conversion kit is required for some models)
- Overheating safety thermostat protects the boiler when water temperature is too high (105°C),
- Heating circuit operating temperature can be set between 20°C and 90°C.
- The acid level of water required for the operation of condensing boilers should be between 7-9 pH
- Easy maintenance can be provided by the cleaning brush

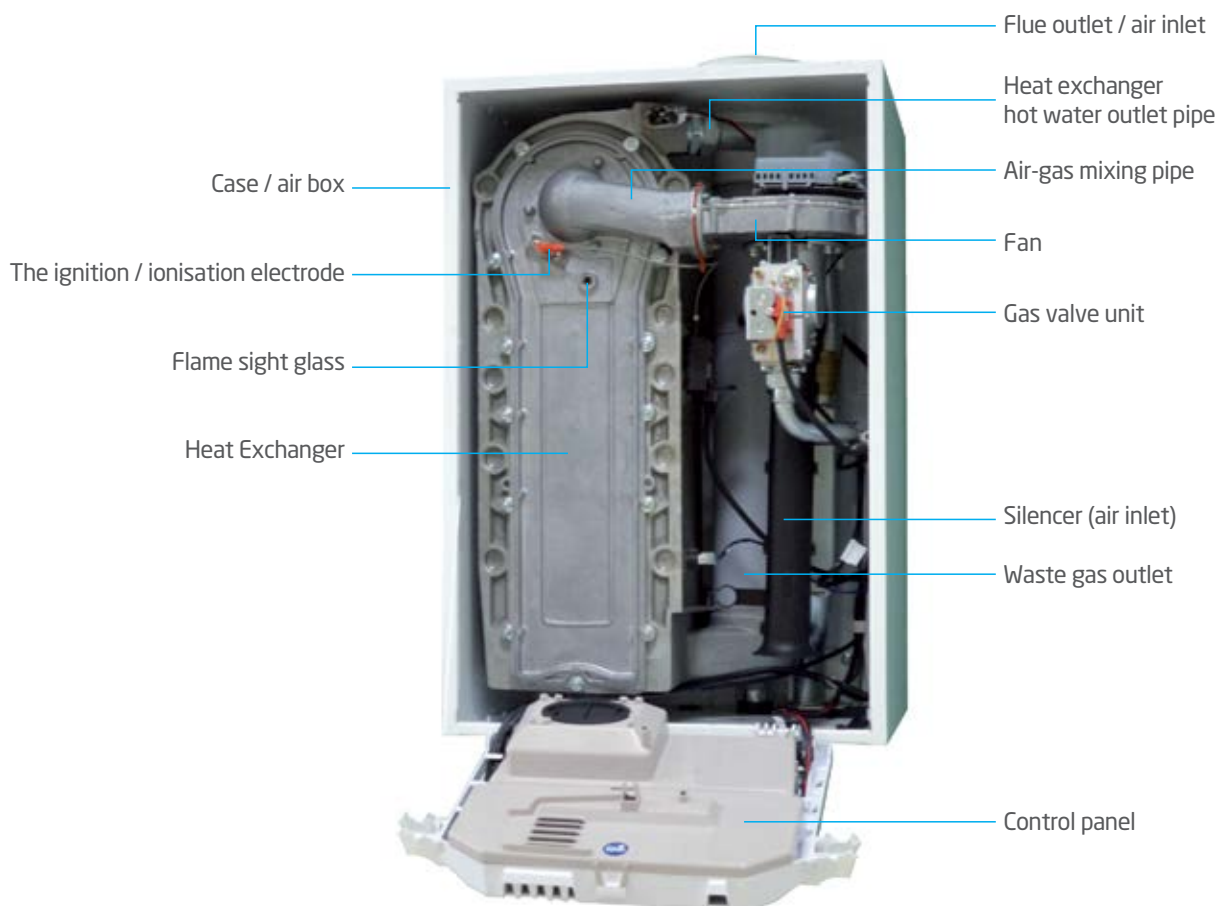
Boiler Dimensions



-  Flue connection diameter: Ø 100 mm
-  Air connection diameter: Ø 150 mm
-  Return water connection diameter: 1 1/4"
-  Gas connection diameter: 3/4"
-  Outlet water connection diameter: 1 1/4"
-  Condensation water discharge

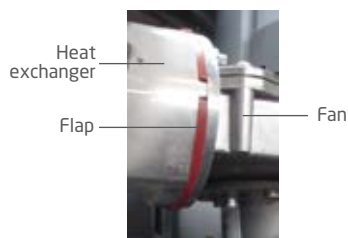


Boiler Technical Specifications



Flap

In Lectus Wall-mounted Condensing Boilers, the fan flap is located between fan and heat exchanger and can be easily cleaned.



Technical Data Sheet

SPECIFICATIONS	UNIT	LECTUS 65	LECTUS 90	LECTUS 115
Nominal Capacity 80/60 °C (min - max)	kW	12,0 - 61,0	14,1 - 84,2	16,6 - 107,0
Nominal Capacity 50/30 °C (min - max)	kW	13,3 - 65,0	15,8 - 89,5	18,4 - 114,0
Modulation Interval	%	20 - 100	17 - 100	16 - 100
Fan Pressure	Pa	100	160	220
Flue Gas Temperature (partial - complete)	°C	30 - 68	30 - 68	30 - 72
Flue Gas Mass Flow Rate (min - max)	kg/h	21 - 104	28 - 138	36 - 178
CO ₂ Content	%	9,0	9,0	9,0
NO _x Emissions (EN483)	mg/kWh	<32	<39	<39
Water volume	l	6,5	7,5	7,5
Boiler Pressure Loss	mbar	130	140	250
Electric Power (min - max)	w	23 - 88	20 - 125	45 - 199
Standby Power Consumption	w	6	4	7
Sound intensity (1 meter distance with the cover open)	dB(A)	45	52	51
Weight	kg	61	69	70
Operating Pressure	bar	6	6	6
Operating Temperature (min-max)	°C	20 - 90	20 - 90	20 - 90

LECTUS PLUS Series

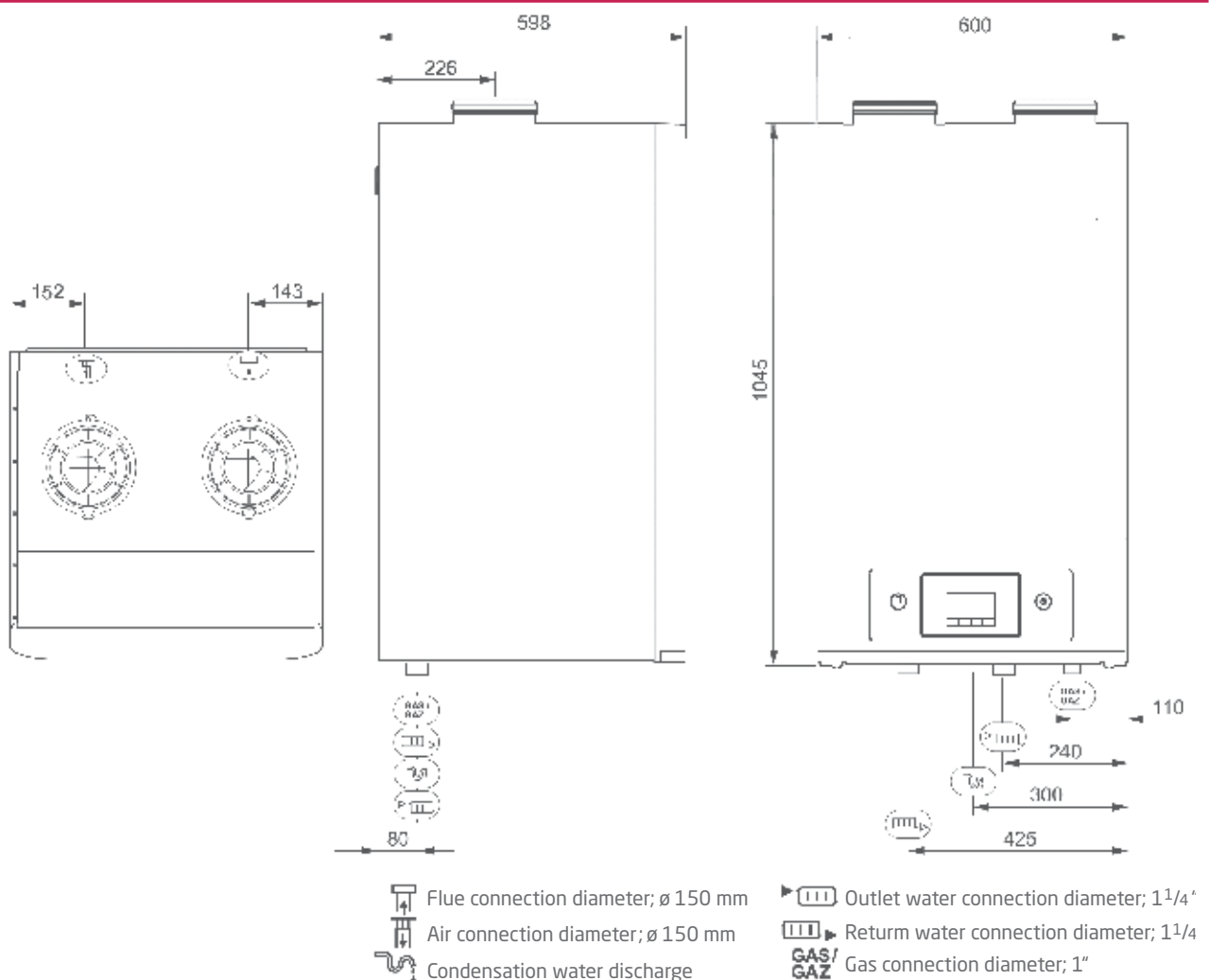
Wall-Mounted Condensing Boiler



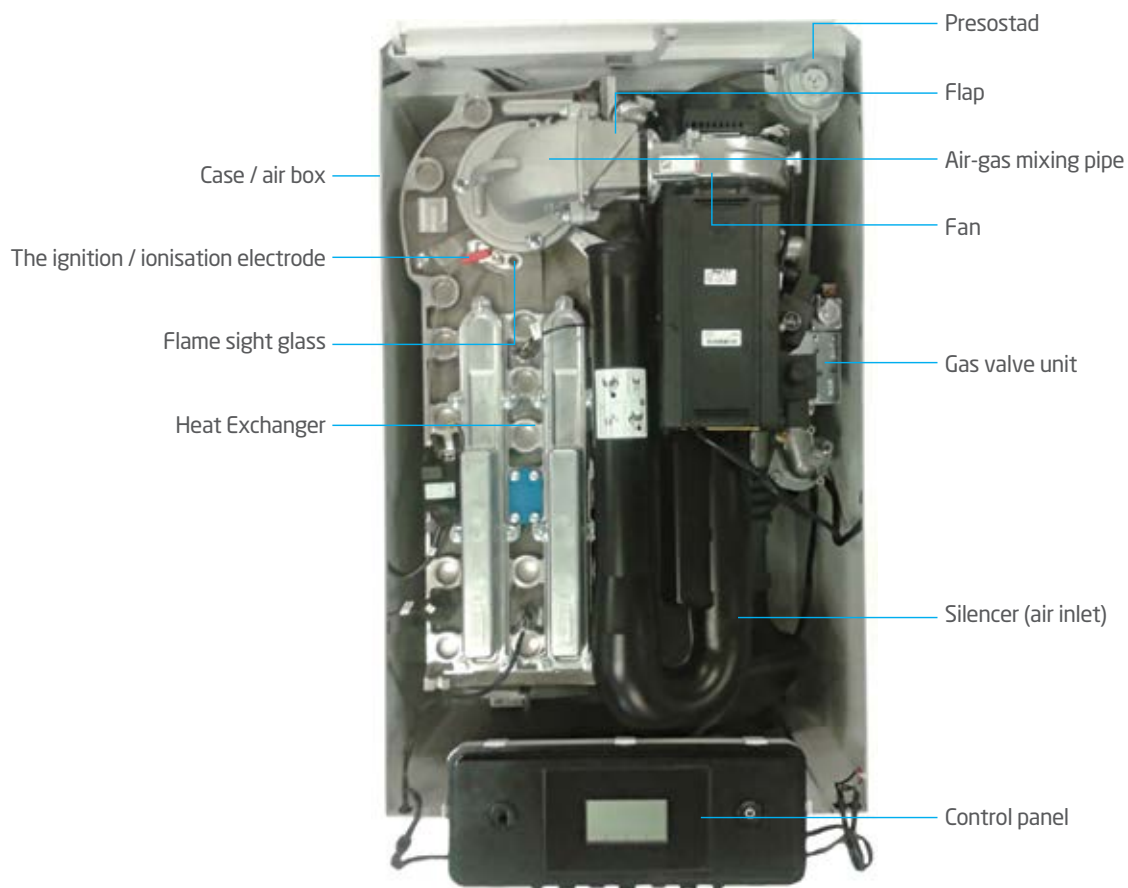
- Lectus Plus 160 condensing boiler model
- Efficiency up to %108,6 *
- %20-100 modulation interval
- Boilers can be connected as cascade up to 15 boilers
- Environment friendly with low emissions
- Save space with its compact dimensions
- Boiler operates at 63 dB.

* DIN4702-8, 40/30 °C (For Lectus Plus 160)

Boiler Dimensions



Boiler Technical Specifications



Gas Air Group Unit



Fiber Stainless Steel
Cylindrical Burner



Silencer Air Inlet

Technical Data Sheet

SPECIFICATIONS	UNIT	LECTUS 160
Nominal Capacity 80/60 °C (min - max)	kW	31,5-152,1
Nominal Capacity 50/30 °C (min - max)	kW	34,7-161,6
Flue Gas Temperature (partial - complete)	°C	32-66
Flue Gas Mass Flow Rate (min - max)	kg/h	57-277
NOx Emissions (EN483)	mg/kWh	<36
Water volume	l	17
Boiler Pressure Loss	mbar	200
Electric Power (min - max)	w	47-275
Standby Power Consumption	w	5,3
Sound intensity (1 meter distance with the cover open)	dB(A)	63
Weight	kg	147
Operating Pressure	bar	4
Operating Temperature (min-max)	°C	20-90

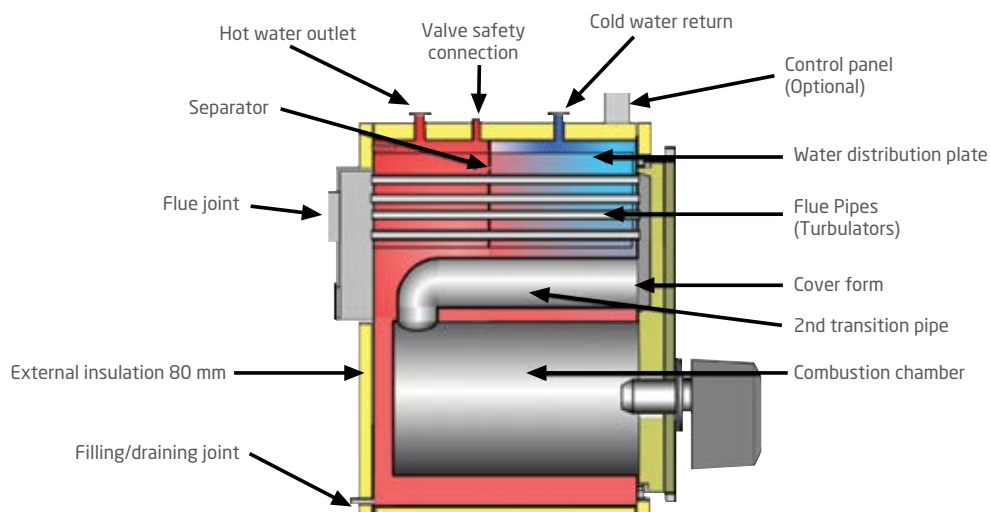
LOGOBLOC Series

3 Full Pass Low Temperature Boiler



- Use of high Standard thermal efficiency (94%) with low hot water technology
- Low-emission values with 3 full pass, eco-friendly
- Able to work at low hot water outlets (outlet water temperature in the boiler min with gas: 48 °C, min with diesel: 38 °C)
- Non-condensing working with Termomix technology
- Quiet operation, lower heat loss with a removable double-layer hood
- Anti-condensation feature with FIN technology
- Balance adjustable chassis
- Bidirectional opening boiler cover
- Sealing with double-wick mechanism
- Eco-friendly high temperature resistant Bio-Ceramic fiber insulation
- Low heat loss with double-layer front cover
- Passing through all doors with elliptic boiler structure
- Quiet operation
- Ergonomic design
- Long life

Boiler Technical Specifications



Technical Data Sheet

Models		L50	L70	L90	L120	L150	L180	L240	L300	L400	L500	L600	L750
Nominal Power	kW	50	70	90	120	150	180	240	300	400	500	600	750
Nominal Boiler Efficiency (80-60 °C)		94	94	94	94	94	94	94	94	94	94	94	94
Working Pressure	bar	4	4	4	4	4	4	4	4	5	5	5	5
Test Pressure	bar	6	6	6	6	6	6	6	6	7.5	7.5	7.5	7.5
Max. Operating Temperature	°C	90	90	90	90	90	90	90	90	90	90	90	90
Thermostat Cutting Temperature Limit	°C	110	110	110	110	110	110	110	110	110	110	110	110
Boiler Water Volume	l	131	187	204	270	284	320	412	478	746	867	919	935
Gas Side Volume	l	105	144	176	226	254	284	385	444	684	765	855	931
Flue Connecting Duct Inner Diameter	mm	150	150	180	180	180	180	225	225	250	250	250	250
Boiler weight (Coated)	kg	306	348	426	503	563	620	811	905	1291	1386	1509	1650
Width (Coated)	mm	740	740	830	830	870	870	910	910	1090	1090	1090	1090
Height (Coated)	mm	1125	1125	1270	1270	1370	1370	1540	1540	1594	1594	1594	1594
Depth (Coated)	mm	975	1235	1170	1430	1365	1495	1560	1755	1970	2165	2360	2480
Boiler Back-Pressure	mbar	0,14	0,16	0,23	0,39	0,58	0,80	1,16	1,25	1,40	2,48	2,98	4,74

- In these boilers, diesel oil is used as a liquid fuel. Heavy fuels like fuel-oil and so on, should not be used.
- Attention! The minimum boiler return water temperature is limited to min 35 °C for gas and min 25 °C for liquid fuel. Boilers cannot run under the specified boiler return water temperature. Specified minimum return temperatures are only applicable in case of using shunt pump.
- Boiler control panels are optional.

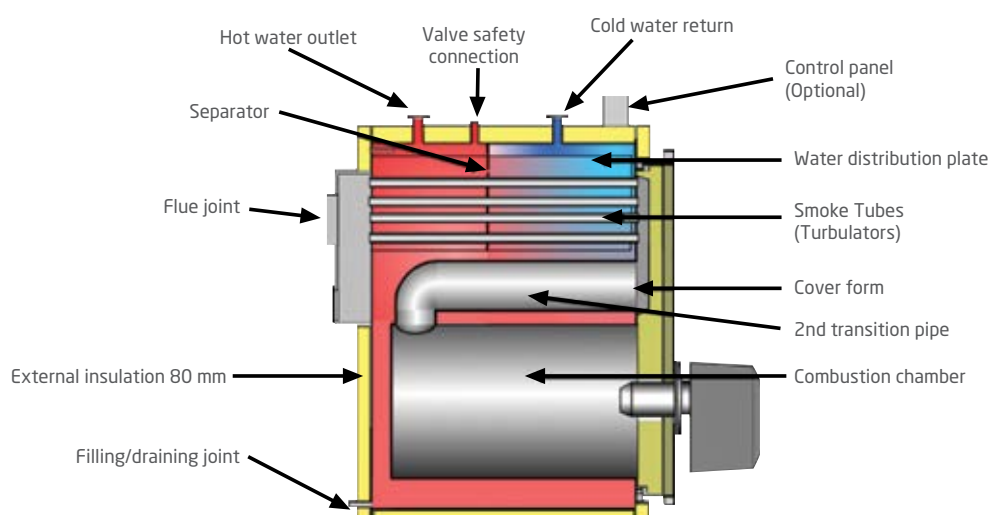
MULTIBLOC Series

3 Full Pass Boiler



- High efficiency
- ★★ efficiency class: High thermal efficiency by working at 80-60 °C
- Low-emission values with 3 full pass, eco-friendly
- Non-condensing working with Termomix technology (M6-M8-M10-M15-M20-M25)
- Quiet operation, lower heat loss with a removable double-layer hood
- Anti-condensation feature with FIN technology
- Bidirectional opening boiler cover
- Sealing with double-wick mechanism
- Low heat loss with double-layer front cover
- Passing through all doors with elliptic boiler structure
- Quiet operation
- Ergonomic design
- Long life

Boiler Technical Specifications



Technical Data Sheet

Models		M6	M8	M10	M15	M20	M25	M30	M40	M50	M60	M70	M80	M100
Nominal Power	kW	69.8	93	115.6	174.4	232.6	290.7	348.8	465.1	581.4	697	814	930	1162
Nominal Load	kcal/h	75.3	101.3	126.8	190	252	314	375	505	628	758	884	1011	1264
Nominal Boiler Efficiency (80-60 °C)		★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★	★★
Working Pressure	bar	3	3	3	3	3	3	3	3	3	3	3	3	3
Test Pressure	bar	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max. Operating Temperature	°C	90	90	90	90	90	90	90	90	90	90	90	90	90
Thermostat Cutting Temperature Limit	°C	95	95	95	95	95	95	95	95	95	95	95	95	95
Boiler Water Volume	l	186.8	210.3	263	322.7	418	482.2	533.3	878	990.4	986	824	960	1003
Gas Side Volume	l	116.3	144.7	183	240.5	337	397.9	412.4	571.5	656.6	744	1120	1218	1448
Flue Connecting Duct Inner Diameter	mm	150	180	180	180	225	225	225	250	250	250	300	400	400
Width (Coated)	mm	800	850	850	890	920	920	950	1075	1075	1075	1100	1100	1100
Height (Coated)	mm	1000	1135	1135	1230	1415	1415	1437	1716	1716	1716	2200	2200	2200
Depth (Coated)	mm	1272	1241	1475	1520	1611	1818	1860	1960	2300	2450	2480	2480	2480
Boiler Weight (with casing)	kg	337	432	487	632	830	924	1015	1318	1464	1544	1910	2180	2280

- In M6 / M8 / M10 / M15 / M20 / M25 boilers, diesel oil is used as a liquid fuel. Heavy fuels like fuel-oil should not be used.
- In M6 / M8 / M10 / M15 / M20 / M25 boilers, the minimum return water temperature is limited to min 35 °C for gas and min 25 °C for liquid fuel.
- In M30 / M40 / M50 / M60 / M70 / M80 / M100 boilers, natural gas is only used. Heavy fuels like fuel-oil and diesel oil should not be used.
- In M30 / M40 / M50 / M60 / M70 / M80 / M100 boilers, the minimum return water temperature is limited to min 55 °C.

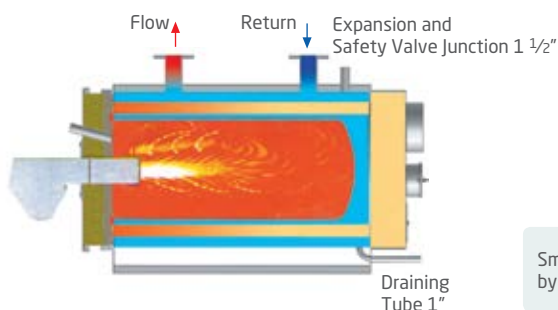
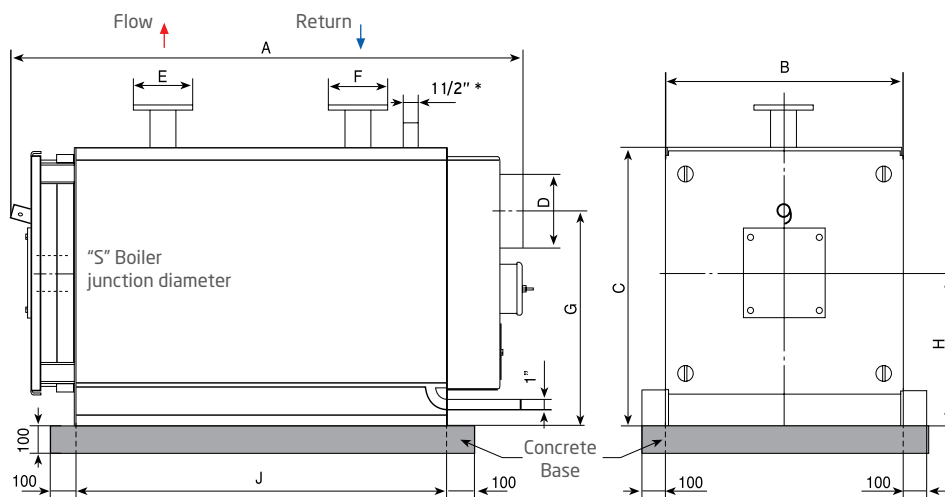
YAKUT Series

2 Pass Steel Boiler



- Standard 3 bar operating pressure of 3 bar for 65.000 kcal/h - 800.000 kcal/h
- Available for usage with Natural Gas and Oil
- Nature friendly due to low emission values
- Bidirectional opening boiler cover
- High heat insulation with special insulated front door
- High smoke efficiency with special made turbulator
- Minimum sizes, maximum efficiency due to the capacity
- Availability of custom manufacturing for higher operating pressures

Boiler Technical Dimensions



Smooth start-up and quiet operation are provided by means of special construction of the combustion chamber.

Technical Data Sheet

Boiler Type	CAPACITY		A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	Water Volume l	Approximate Boiler Weight kg
	Kcal/h	kW											
6	65.000	75	1300	665	750	197	R 1 1/2"	R 1 1/2"	540	415	808	100	260
8	85.000	99	1370	700	815	217	R 1 1/2"	R 1 1/2"	605	440	845	105	350
10	100.000	115	1520	720	815	247	65	65	605	440	990	120	420
12	125.000	145	1520	720	815	247	65	65	605	440	990	120	420
15	150.000	175	1550	740	890	247	65	65	670	500	1030	186	465
18	180.000	205	1550	740	890	247	65	65	670	500	1030	186	465
20	200.000	235	1760	800	930	247	80	80	725	512	1210	250	560
25	250.000	290	1760	800	930	247	80	80	725	512	1210	250	560
30	300.000	350	1995	850	950	296	80	80	745	510	1460	320	675
35	350.000	410	1995	850	950	296	80	80	745	510	1460	320	675
40	400.000	465	2070	1020	1105	296	80	80	850	595	1487	565	1087
50	500.000	580	2070	1125	1200	346	100	100	890	640	1487	635	1087
60	600.000	700	2070	1125	1200	346	100	100	890	640	1487	635	1087
70	700.000	815	2350	1125	1200	346	100	100	890	640	1725	690	1339
80	800.000	930	2350	1125	1200	346	100	100	890	640	1725	690	1339

- We reserve the right to modify the technical information.
- All connections in Yakut 6-8 boiler are geared. Expansion connection is R 1 1/4 ".
- This is S = 145 mm for Yakut 6, S = 175 mm between Yakut 8-35, S = 245 mm between Yakut 40-80.
- Boiler control panels are optional.
- Yakut 6-8-10 Boilers do not work with Fuel-Oil.

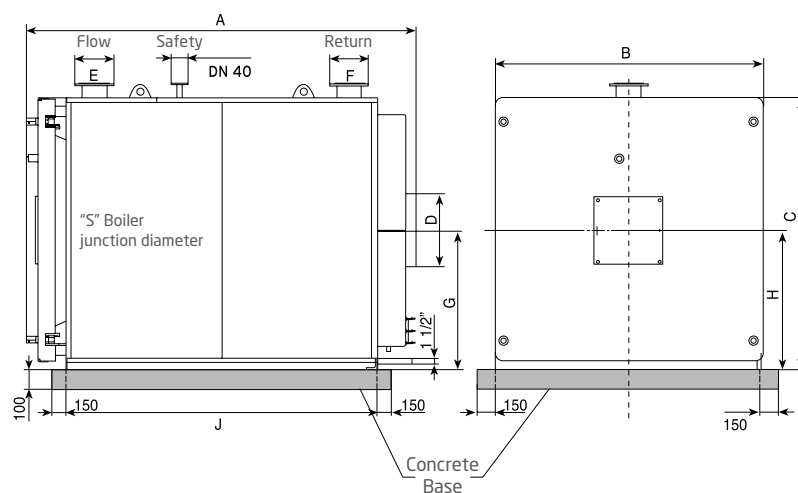
YAKUT PLUS Series

2 Pass Steel Boiler

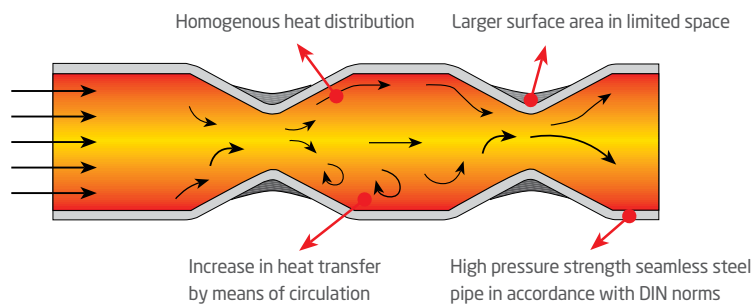


- For large capacity needs;
 - Yakut Plus 100 - 1.000.000 kcal/h
 - Yakut Plus 130 - 1.000.000 kcal/h
 - Yakut Plus 160 - 1.600.000 kcal/h
 - Yakut Plus 200 - 2.000.000 kcal/h
 - Yakut Plus 250 - 2.500.000 kcal/h
- Standard operating pressure of 5 bar
- Ease of bidirectional opening - closing due to the new hinge system design,
- High thermal insulation due to special insulated cover
- High heat transfer in limited space due to special formed smoke tubes pipes
- Ease of installation and maintenance by means of walkable outer coat for Yakut Plus 100-250 boiler series
- Standard flanged safety connection
- Ergonomic boiler dimensions
- Availability of custom manufacturing for higher operating pressures

Boiler Technical Dimensions



The advantages of shaped smoke-tubes



Technical Data Sheet

Boiler Type	CAPACITY		A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	Water Volume l	Approximate Boiler Weight kg
	Kcal/h	kW											
100	1.000.000	1210	2380	1450	1466	500	DN 125	DN 125	766	766	1804	1327	2350
130	1.300.000	1540	2760	1750	1800	550	DN 125	DN 125	925	925	2330	2620	3350
160	1.600.000	1815	2760	1750	1800	550	DN 125	DN 125	925	925	2330	2590	3550
200	2.000.000	2310	2980	1900	1970	600	DN 150	DN 150	1020	1020	2400	3530	4600
250	2.500.000	2900	3425	2400	2350	650	DN 200	DN 200	1225	1225	2739	4700	6850

- This is S = 270 mm for Yakut Plus 100 - 130 - 160, S = 350 mm for Yakut Plus 200, S = 420 mm for Yakut Plus 250.
- We reserve the right to modify the technical information.
- Boiler control panels are optional.

ELMAS Series

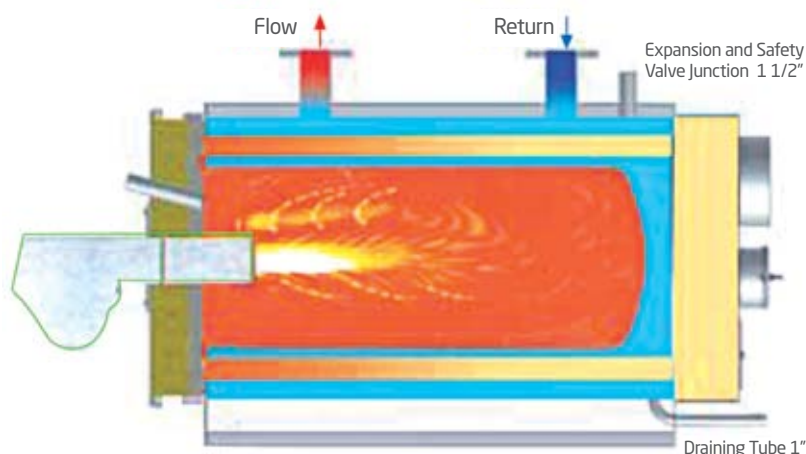
2 Pass Packaged Steel Boiler



- Between the capacities of 100.000 kcal/h and 800.000 kcal/h
- 3 bar working pressure
- 2 pcs circulation pumps
- Burner
- Expansion tank
- Flow - Return collector group + valves

Packaged Boiler

Combustion chamber is designed as a bow for the first time in Turkey so as to facilitate orientation of the flame, Combustion chamber ensures a quiet operation for the first activation of the burner. Boiler's back-pressure structure provides high thermal efficiency of 92%.



Components Provided with the ELMAS Series Boiler

Boiler Type Elmas	CAPACITY		Diesel Fuel Burner	Natural Gas Burner	Circulation Pump	Collector DN	Expansion Tank l	Approximate Boiler Weight kg	Boiler Back-Pressure mbar
10	100.000	115	KL 20 1b2 III	BGE 1-70/175 M	EVOPLUS B 60/250.40 M	65	200	360	1,10
12	125.000	145	KL 20 1b2 III	BGE 1-70/175 M	EVOPLUS B 60/250.40 M	65	200	360	1,30
15	150.000	175	KL 20 1b3 I	BGE 1-70/240 M	EVOPLUS B 80/250.40 M	65	200	410	1,50
18	180.000	205	KL 20 1b3 I	BGE 2-100/350 M	EVOPLUS B 60/220.40 M	65	200	410	1,70
20	200.000	235	KL 20 1b3 I	BGE 2-100/350 M	EVOPLUS B 60/220.40 M	80	300	530	1,70
25	250.000	290	KL 20 1b3 II	BGE 2-100/350 M	EVOPLUS B 100/220.40 M	80	300	530	2,10
30	300.000	350	KL 20 1b3 II	BGE 2-120/500 T	EVOPLUS B 80/240.50 M	80	500	630	2,70
35	350.000	410	-	BGE 2-120/500 T	EVOPLUS B 100/280.50 M	80	500	630	3,00
40	400.000	465	-	BGE 2-270/700 T	EVOPLUS B 120/280.50 M	80	500	905	3,20
50	500.000	580	-	BGE 2-270/500 T	EVOPLUS B 150/280.50 M	100	750	1045	3,70
60	600.000	700	-	BGE 3-245/970 T	EVOPLUS B 120/340.65 M	100	750	1045	3,90
70	700.000	815	-	BGE 3-260/1200 T	EVOPLUS B 100/360.80 M	100	1000	1290	4,00
80	800.000	930	-	BGE 3-260/1200 T	EVOPLUS B 120/360.80 M	100	1000	1290	4,50

- STANDARD WORKING PRESSURES OF YAKUT - ELMAS BOILERS ARE 3 BAR, WHEREAS TEST PRESSURES ARE 4,5 BAR.
- BGE 1 burners are single-phase burners in which installation gas pressure is 21 mbar, whereas BGE 2 burners are dual-phase burners in which installation gas pressure is 300 mbar.
- Yakut 6-8-10 boiler do not work with Fuel Oil.
- Case of selecting burner for the boilers, boiler's back-pressure, capacity and should be considered.
- All burners to be used must be long-barreled.
- Boiler control panels are optional.

ELMAS PLUS Series

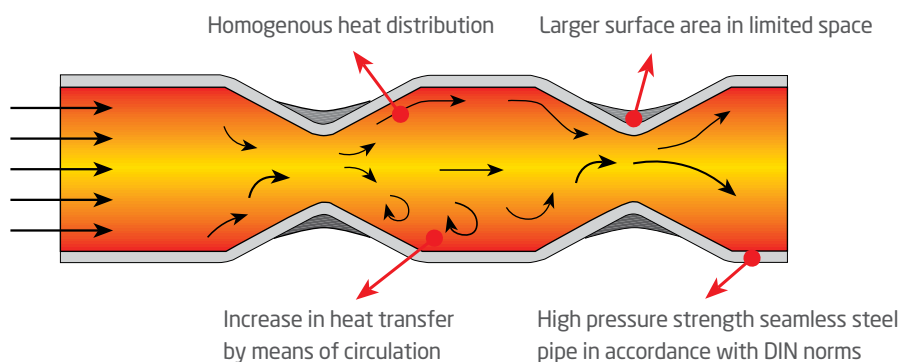
2 Pass Packaged Steel Boiler



- Between the capacities of 1.000.000 kcal/h and 2.000.000 kcal/h
- 5 bar working pressure
- 2 pcs circulation pumps
- Burner
- Expansion tank
- Flow - Return collector group + valves

Packaged Boiler

The advantages of shaped smoke-tubes



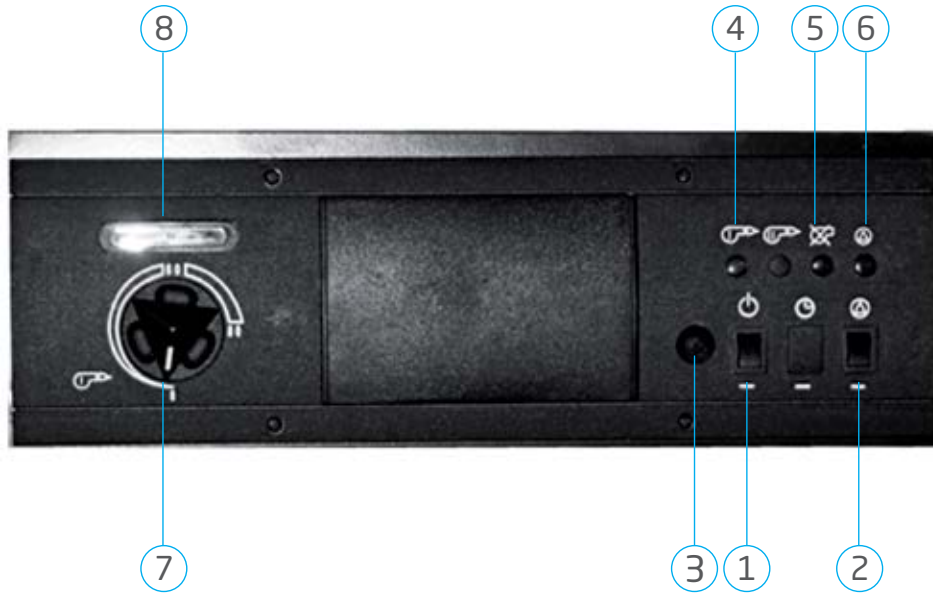
Components Provided with the ELMAS PLUS Series Boiler

Boiler Type Elmas	CAPACITY		Natural Gas Burner	Circulation Pump	Collector DN	Expansion Tank l	Approximate Boiler Weight kg	Boiler Back- Pressure mbar
100	1.000.000	1210	BGE 3-300/1550 T	EVOPLUS D 80/360.80 M	125	1000	2500	5,00
130	1.300.000	1540	BGE 3-342/1770 T	EVOPLUS D 100/360.80 M	125	1500	2900	5,50
160	1.600.000	1815	BGE 3-414/2150 T	EVOPLUS D 120/360.80 M	125	2000	3250	6,10
200	2.000.000	2310	BGE 3-630/3000 T	EVOPLUS D 120/360.80 M	150	2500	4000	6,10
250	2.500.000	2900	UNDER SPECIAL PRICE REQUIREMENTS					

- STANDARD WORKING PRESSURES OF YAKUT PLUS - ELMAS PLUS BOILERS ARE 5 BAR, WHEREAS TEST PRESSURES ARE 7,5 BAR.
- Circulation pumps provided with the Elmas Plus boilers are three-phase pumps.
- Installation gas pressure for the BGE natural gas burner models must be 300 mbar.
- Case of selecting burner for the boilers, boiler's back-pressure, capacity and should be considered.
- All burners to be used must be long-barreled.
- Boiler control panels are optional.

Single and Double Stage Standard Boiler Control Panel

Baymak Single Stage Control Panel controls single stage burners. It operates burners with its Temperature Setting Thermostat by controlling boiler temperature.

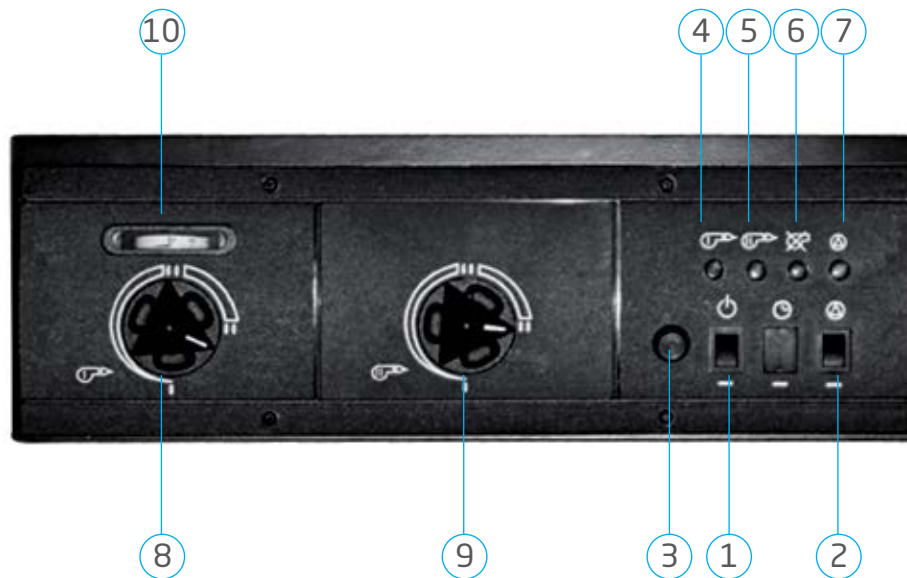


Control Equipments and Its Functions:

1. Boiler ON/OFF Button: Open or close the heating (Burner).
2. Pump ON/OFF Button: Open or close Boiler Pump.
3. Fuse: Protection against high-current with 6 amp fuse on the panel.
4. I.Stage Burner Light: Burner I. Stage Operation Light while working.
5. Burner Warning Light: Burner Fault Alert Light
6. Pump Light: Pump power supply
7. Temperature Setting Thermostat: Adjust the boiler temperature between 30 - 85°C.
8. Thermometer: Displays boiler temperature.

Double Stage Standard Boiler Control Panel

Baymak Double Stage Control Panel controls double stage burners. It operates burners with its I. Stage Temperature Setting Thermostat by controlling the boiler temperature. When II. Stage of the Burner starts to work, the temperature can be adjusted with II. Stage Temperature Setting Thermostat.



Control Equipments and Its Functions:

1. Boiler ON/OFF Button: Open or close the heating (Burner).
2. Pump ON/OFF Button: Open or close Boiler Pump.
3. Fuse: Protection against high-current with 6 amp fuse on the panel.
4. I.Stage Burner Light: Burner I. Stage Operation Light while working.
5. II.Stage Burner Light: Burner II. Stage Operation Light while working.
6. Burner Warning Light: Burner Fault Alert Light
7. Pump Light: Pump power supply
8. Temperature Setting Thermostat: Adjust the boiler temperature between 30 - 85°C.
9. II.Temperature Setting Thermostat: Adjust the temperature when II. Stage starts to work and stops in Double Stage Burners.
10. Thermometer: Displays boiler temperature.

Ecopanel Boiler Control Panel

Baymak ECOPANEL Boiler Control Panel, as single and double stage, does modulating burner control with the following features and functions:

- English manual
- Simply using and programing
- Large LCD screen
- Heating Curve selection
- Information Access in the system with information button
- Frost Protection Feature
- Flue Test Function
- Manual using function
- Holiday Mode
- Outdoor air compensation
- Automatic summer/winter position
- Weekly, daily and hourly setting
- Storage Tank and Re-circulation pump control in Boiler system.
- 3-way valve and zone control with pump



Control Equipments and Its Functions:

1. Boiler ON/OFF Button: Open or close the heating (Burner).
2. Pump ON/OFF Button: Open or close Boiler Pump
3. Fuse: Protection against high-current with 6 amp fuse on the panel.
4. Ecopanel: Programmable, multi-functional electronic control unit.
It has two parts: Main Cotrol Unit and User Screen. As optional, cable connection or wireless Room Unit can be connected to the system.
5. Setting Thermostat: In case of Ecopanel using, it is set to the maximum temperature (85°C).
It is not used as functional, just control Ecopanel.

Ecopanel Sensors

Sensors given together with Panel are for standard systems. According to the system, some of sensors may be changed or new sensor may be needed.

- 1 pcs Boiler Sensor
- 1 pcs Outdoor Air Sensor
- 1 pcs Storage Tank sensor



QAC34



QAD36



QAZ36

	QAC34	QAD36	QAZ36
Outdoor Air Sensor	✓	-	-
Flow Sensor	-	✓	✓
Domestic Water Sensor	-	✓	✓
Boiler Sensor	-	✓	✓

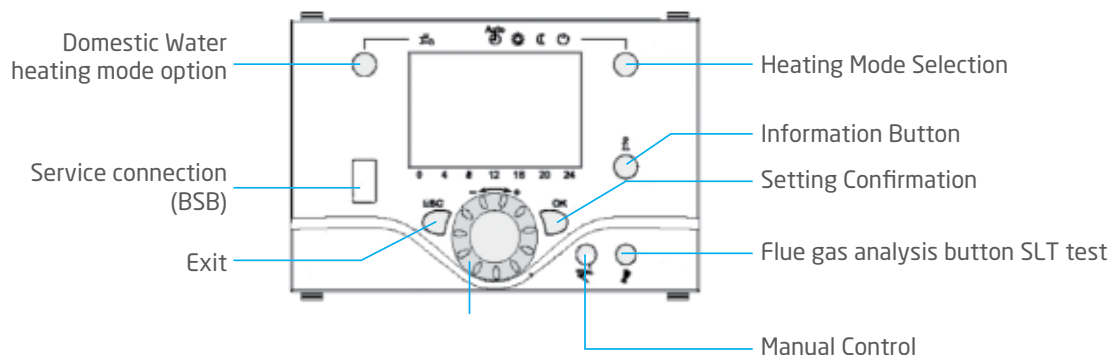
Ecopanel Equipments



Main Control Unit



User Screen



LINYITOMAT Series

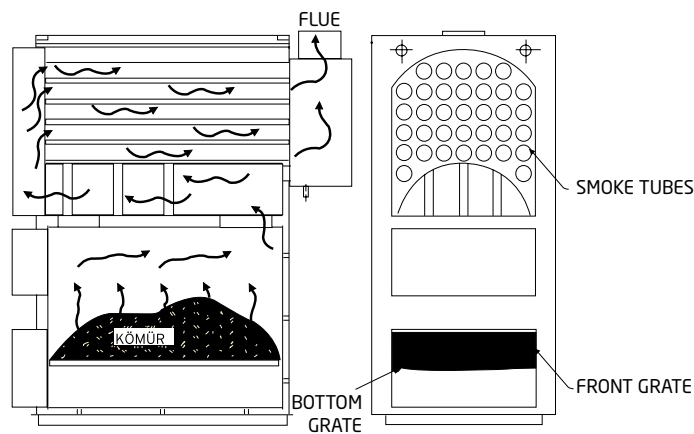
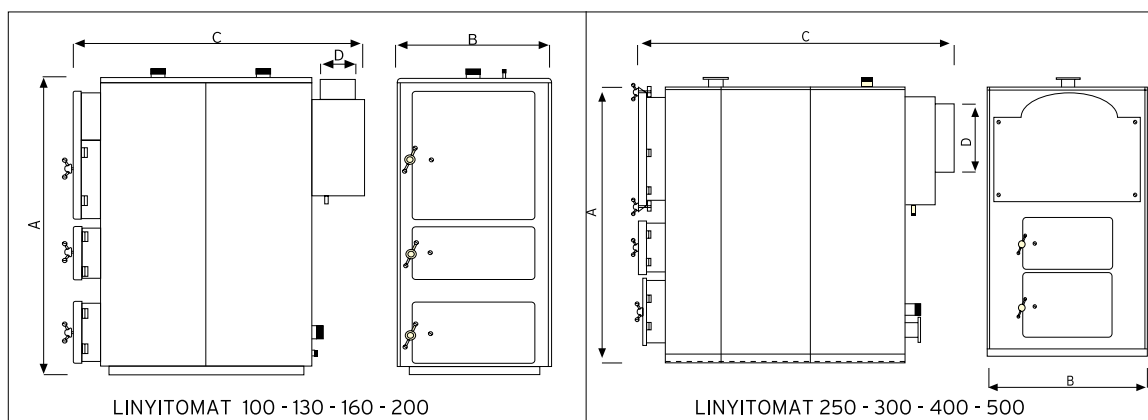
Solid Fuel Boiler



- Complete combustion of any coal varieties by means of cast-iron grates
- High efficiency with low fuel consumption
- Three individual covers for smoke tube cleaning, loading and ash removal
- High-insulated top, middle and bottom covers
- The control of high-strength and sealing subjected to test 4.5 bar water test
- Discharge orifice for draining the condensate water accumulated in the flue hood
- Long life due to electrostatic powder coated exterior coating



Boiler Technical Dimensions



Technical Data Sheet

CAPACITY Kcal/h	A Height (mm)	B Width (mm)	C Depth (mm)	D Flue Diameter (Ø)	Installation Inlet (Ø)	Installation Outlet (Ø)	Expansion Inlet (Ø)	Expansion Outlet (Ø)	Filling and Draining (Ø)	Boiler Water Volume (l)	Expansion Tank (l) (Optional)	Circulation Pump (Optional)	Weight (kg)	Test Pressure (Bar)	Working Pressure (Bar)
100.000	1510	870	1360	220	2"	2"	1 1/4"	1 1/4"	3/4"	285	110	EVOPLUS B 80/250.40 M	860	4,5	3
130.000	1680	880	1500	220	2 1/2"	2 1/2"	1 1/2"	1 1/2"	3/4"	356	200	EVOPLUS B 80/250.40 M	960	4,5	3
160.000	1890	880	1500	220	2 1/2"	2 1/2"	1 1/2"	1 1/2"	3/4"	413	200	EVOPLUS B 80/250.40 M	1030	4,5	3
200.000	1890	880	1640	220	3"	3"	1 1/2"	1 1/2"	3/4"	463	300	EVOPLUS B 60/220.40 M	1190	4,5	3
250.000	2000	1100	2160	300	3"	3"	2"	2"	3/4"	626	300	EVOPLUS B 120/250.40 M	1850	4,5	3
300.000	2000	1100	2430	300	3"	3"	2"	2"	3/4"	847	500	EVOPLUS B 60/240.50 M	2200	4,5	3
400.000	2280	1400	2870	550	DN 100	DN 100	3"	3"	1"	1700	500	EVOPLUS B 60/240.50 M	3900	4,5	3
500.000	2500	1500	3100	550	DN 100	DN 100	3"	3"	1"	2480	750	EVOPLUS B 120/280.50 M	4700	4,5	3

LINYIT COMFORT Series

Solid Fuel Boiler



- Compact dimensions
- Positive sealing and ease of loading and draining due to 2 covers and latch design
- Low risk of condensation due to FIN welding technology over the smoke tubes ends
- Ease of cleaning with discharging and dedusting ash due to movable grate system
- High combustion efficiency due to special turbulators
- Ease of combustion setting with adjustable flue flap
- Complete combustion with flap fan structure
- Long-lasting with high temperature resistant cast iron grates
- Hassle-free fuel loading with large coal loading port
- Ease of cleaning and maintenance with removable hood

Technical Data Sheet

Models		LINYIT COMFORT 20	LINYIT COMFORT 40	LINYIT COMFORT 60
Nominal power	kcal/h	20.000	40.000	60.000
Nominal power	kW	23	46	70
Power range	kW	18-23	32-46	50-70
Flue output values required according to DIN 4705	Pa	> 5	> 5	> 5
Boiler Max. operating pressure	bar	3	3	3
Boiler test pressure	bar	4,5	4,5	4,5
Maximum operating temperature	°C	90	90	90
Thermostat cut-off temperature limit	°C	100	100	100
Boiler Water volume	l	65	95	132
Boiler weight	kg	220	330	410
Boiler open expansion tank (Optional)	l	50	100	100
Circulation pump (DAB) (Optional)	Model	EVOSTA 40-70/130	EVOSTA 40-70/130	EVOPLUS 60-180.XM
Flue connecting duct diameter	mm	185	185	185
Width (with casing)	mm	570	660	660
Height (with casing)	mm	1260	1440	1440
Depth (with casing)	mm	890	990	1310
Installation inlet	Ø	1"	1 1/4"	1 1/4"
Installation outlet	Ø	1"	1 1/4"	1 1/4"
Expansion inlet	Ø	1"	1"	1"
Expansion outlet	Ø	1"	1"	1"
Filling and draining	Ø	1/2"	1/2"	1/2"

CENTRAL HEATING SYSTEMS

LINYITOTOMAT PLUS Series

Solid Fuel Boiler



- Compact dimensions with elliptical body structure
- Positive sealing and ease of loading and draining due to 3 covers and latch design
- Low risk of condensation due to FIN welding technology over the smoke tubes ends
- Ease of cleaning with discharging and dedusting ash due to movable grate system
- Ability both for loading coal and disposal of ash due to dual-purpose ash tray
- High combustion efficiency due to special turbulators
- Ease of combustion setting with adjustable flue flap
- Complete combustion with flap fan structure
- Bi-directional openable boiler covers with double-sided hinge system
- Long-lasting with high temperature resistant cast iron grates
- Hassle-free fuel loading with large coal loading port
- Ease of cleaning and maintenance with removable hood

Technical Data Sheet

Models		LP80
Nominal power	kcal/h	80.000
Nominal power	kW	93
Power range	kW	75-93
Flue output values required according to DIN 4705	Pa	> 5
Boiler Max. operating pressure	bar	3
Boiler test pressure	bar	4,5
Maximum operating temperature	°C	90
Thermostat cut-off temperature limit	°C	110
Boiler Water volume	l	200
Boiler weight	kg	641
Boiler open expansion tank (Optional)	l	110
Circulation pump (DAB) (Optional)	Model	EVOPLUS 60/180 XM
Flue connecting duct diameter	mm	200
Width (with casing)	mm	790
Height (with casing)	mm	1568
Depth (with casing)	mm	1260
Installation inlet	Ø	1 1/2"
Installation outlet	Ø	1 1/2"
Expansion inlet	Ø	1"
Expansion outlet	Ø	1"
Filling and draining	Ø	1/2"

STOCKER LINYITOMAT COMFORT PLUS Series

Solid Fuel Boiler



- 2 doors and ratchet design
- High Comfort level thanks to automatic feeding system
- Low condensing risk thanks to FIN welding technology on smoke pipes
- High combustion efficiency with special turbulator
- Easy combustion set-up with adjustable chimney flap
- Double Stage Safety Lock on boiler doors
- Long-lasting cast iron grills resistant to high temperature
- Bottom feeding with high-quality pot
- Fully sealed wide coal chamber
- Automatic feeding with reductor and spiral mill
- Production according to TSEN 303-5 standards
- Easy using with functional digital control panel
- Easy transportation and assembling

Boiler Technical Specifications



Technical Data Sheet

Models		STOCKER LINYITOMAT COMFORT PLUS 20	STOCKER LINYITOMAT COMFORT PLUS 40	STOCKER LINYITOMAT COMFORT PLUS 60
Nominal power	kcal/h	20.000	40.000	60.000
Nominal power	kW	23	46	70
Power range	kW	18-23	32-46	70-50
Boiler Max. operating pressure	bar	3	3	3
Boiler test pressure	bar	4,5	4,5	4,5
Maximum operating temperature	°C	90	90	90
Thermostat cut-of temperature limit	°C	100	100	100
Boiler Water volume	l	65	95	122
Boiler weight	kg	250	375	455
Boiler open expansion tank (Optional)	l	50	100	100
Circulation pump (DAB) (Optional)	Model	EVOSTA 40-70/130	EVOSTA 40-70/130	EOPLUS 60/180.XM
Flue connecting duct diameter	mm	185	185	185
Coal Capacity	kg	85	125	125
Width (with casing)	mm	940	1060	1060
Height (with casing)	mm	1295	1340	1410
Depth (with casing)	mm	920	1020	1300
Installation inlet	Ø	1"	1 1/4"	1 1/4"
Installation outlet	Ø	1"	1 1/4"	1 1/4"
Expansion inlet	Ø	1"	1"	1"
Expansion outlet	Ø	1"	1"	1"
Filling and draining	Ø	1/2"	1/2"	1/2"
Boiler water capacity	l	65	95	122

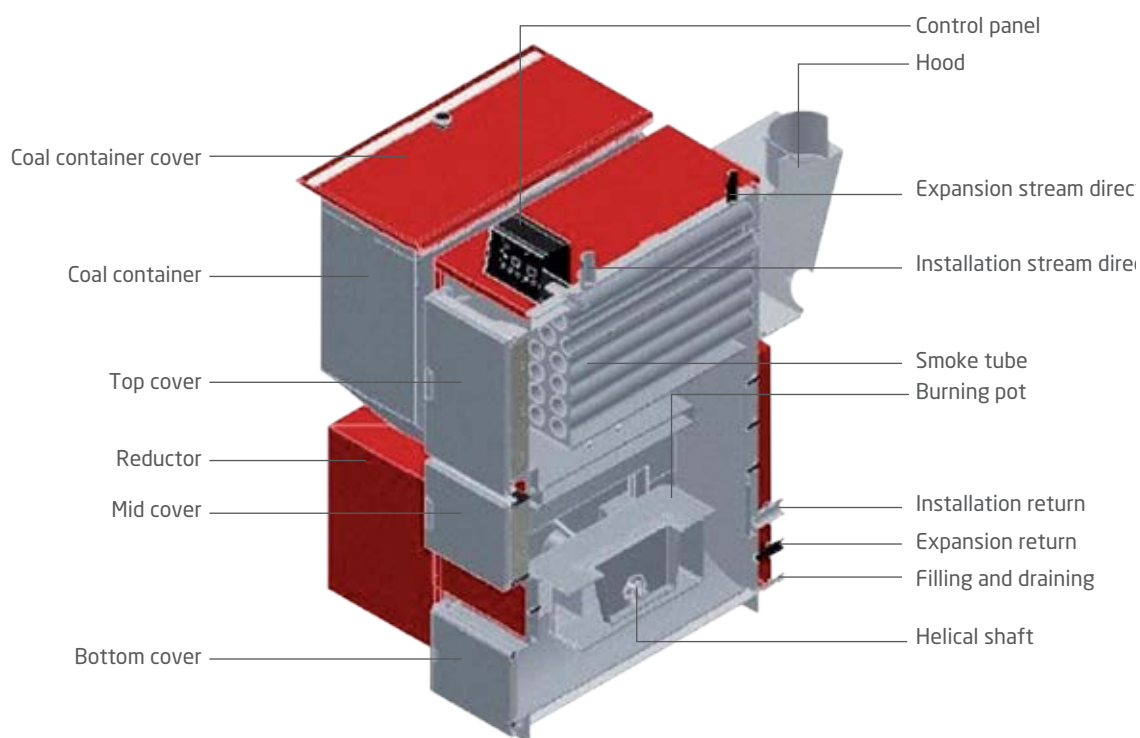
STOCKER LINYITOMAT PLUS Series

Solid Fuel Steel Floor Standing Boiler



- Compact dimensions with elliptical body structure
- Positive sealing and ease of loading and draining due to 3 covers and latch design
- Low fuel consumption
- High combustion efficiency due to special turbulators
- Ease of combustion setting with adjustable flue flap
- Long-lasting with high temperature resistant cast iron grates
- Ease of cleaning and maintenance with removable hood
- Bottom-fed high-quality pot
- Positive sealed large coal container
- Automatic fuel feeding with the help of the reductor and helical shaft
- Automatic and manual located control panel

Boiler Technical Specifications



Technical Data Sheet

Models		LP80
Nominal power	kcal/h	80.000
Nominal power	kW	93
Power range	kW	75-93
Boiler Max. operating pressure	bar	3
Boiler test pressure	bar	4,5
Maximum operating temperature	°C	90
Thermostat cut-off temperature limit	°C	110
Water volume	l	200
Boiler weight	kg	641
Boiler open expansion tank (Optional)	l	110
Circulation pump (DAB) (Optional)	Model	EVOPLUS 60/180 XM
Flue connecting duct diameter	mm	200
Coal capacity	kg	170
Width (with casing)	mm	1204
Height (with casing)	mm	1572
Depth (with casing)	mm	1260
Installation inlet	Ø	1 1/2"
Installation outlet	Ø	1 1/2"
Expansion inlet	Ø	1"
Expansion outlet	Ø	1"
Filling and draining	Ø	1/2"
Boiler water capacity	l	200
Coal capacity	Kg	170

FATİH / GOKSEL Series

Steel Floor Standing Boiler



- Capacity range between 10.000 kcal / h and 50.000 kcal/h
- 91% thermal efficiency
- Pressure-resistant, high-efficiency steel boiler
- 3-speed DAB circulation pump mounted to boiler in all models,
- Ready for use packaged boiler feature with all installation components
- Ready for use for hot water at any time in summer and winter in hot-water cylinder models
- Aesthetic appearance with contemporary, smoothed lines
- High reliability
- Model indices;
 - TK : With time clock (Timer) and closed expansion tank
 - BTK : With hot-water cylinder, time clock (timer) and closed expansion tank
 - BTEK : With hot-water cylinder, time clock (timer), eco-panel and closed expansion tank



Technical Data Sheet

Models		10/18 TK	10/18 BTK	19/25 TK	19/25 BTK	26/32 TK	26/32 BTK	33/40 TK	33/40 BTK	41/50 TK
Capacity	kcal/h	18.000	18.000	25.000	25.000	32.000	32.000	40.000	40.000	50.000
Boiler water volume	l	21	21	28	28	38	38	50	50	54
Weight	kg	117	124	159	166	173	180	187	194	220
Operating pressure	Bar	3	3	3	3	3	3	3	3	3
Flue connection	mm	Ø130	Ø130	Ø130	Ø130	Ø130	Ø130	Ø130	Ø130	Ø150
Installation stream/return	Ø	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"
Electrical connection	Volt/Hz	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50
Diesel fuel burner		KL 18	KL 18	KL 20.1AV	KL 20.1AV	KL 20.1AV	KL 20.1AV	KL 20.1AV ÖZEL	KL 20.1AV ÖZEL	KL 20.1bII
Expansion tank *	l	10	10	10	10	18	18	35	35	50
Circulation pump	DAB	VA35/130	VA35/130	VA35/130	VA35/130	VA35/130	VA55/130	VA65/130	VA65/130	VA65/130
Hot water production	l/min.	-	11	-	13	-	13	-	17	-
Height	mm	665	665	817	817	817	817	885	885	992
Width	mm	465	465	465	465	530	530	530	530	530
Depth	mm	765	765	800	800	865	865	817	817	817

(*) The expansion tank in 10/18, 19/25 and 26/32 models is located over the boiler and mounted to it. The expansion tank in 33/40 and 41/50 models is individually provided with the boiler.



Individual Heating Systems

Economy and Comfort Exists Together

Heating of indepent section is performed with individual heating systems through the heating energy obtained from a heat production source placed in an independent section. Individual heating systems today are provided with hermetic boilers. Baymak, through the condensing combi boilers with superior premix combustion technology, provides economy and comfort together to the consumers with efficieny values yield to 109,1 %.



INDIVIDUAL HEATING SYSTEMS

- BAYMAK BYP-HE SERIES CONDENSING COMBI BOILERS WITH PREMIX TECHNOLOGY
- BAYMAK BYC-HE SERIES CONDENSING COMBI BOILERS WITH 3 HEAT-EXCHANGERS
- BAYMAK BYD-SE SERIES CONVENTIONAL COMBI BOILERS
- BAYMAK BYM-SE SERIES CONVENTIONAL COMBI BOILERS
- HERMETIC NATURAL GAS STOVE (NATURAL GAS - LPG STOVE)



INDIVIDUAL HEATING SYSTEMS

Combi Boilers

BAYMAK BYP-HE Series

Condensing Combi Boilers With Premix Technology (BYP-HE 24-28-33-42-45)



- Premix combustion technology
- 109,1% efficiency (30% at partial load)
- Energy Efficiency ★★★★★ (92/42 CEE)
- Combustion group with cold burner door technology
- Fault detection system
- NOx class 5

Combi Boiler Technical Specifications



Stainless Steel Heat Exchanger - Burner Assembly:

Burner assembly appropriate for the combustion of natural gas with its 316 L stainless steel structure.



CBD (Cold Burner Door)

Heat losses are reduced by preventing heating of the cover with the system.

More efficient combustion is ensured by pre-heating of air-gas mixture.

Technical Data Sheet

Models		BYP-HE 24	BYP-HE 28	BYP-HE 33	BYP-HE 42	BYP-HE 45
Maximum efficiency / (50/30 °C)	%	106.4	106.5	106.8	105.8	105.8
Partial load efficiency (return 30 °C)	%	108.7	109.0	109.1	109.1	109.1
Maximum heat load	kW	22.6	27	31	40	42.5
Minimum heat load	kW	4.5	5.4	6	9.5	10.3
Maximum heating power - heating (80/60 °C)	kW	22.1	26.2	30.1	38.7	41
	kcal/h	19.000	22.600	25.970	33.282	35.260
Minimum heat power - heating (80/60 °C)	kW	4.3	5.2	5.7	9.1	9.7
	kcal/h	3.700	4.470	4.900	7.826	8.342
Maximum heating power - heating (50/30 °C)	kW	24	28.6	33	42	45
	kcal/h	20.640	24.590	28.380	36.120	38.700
Minimum heat power - heating (50/30 °C)	kW	4.7	5.7	6.35	9.8	10.8
	kcal/h	4.040	4.900	5.460	8.428	9.288
Maximum heat load of domestic hot water	kW	24.3	27.4	31.2	40	42.5
Efficiency Class - 92/42/EEC	-	★★★★	★★★★	★★★★	★★★★	★★★★
Maximum working pressure of the heating circuit	bar	3	3	3	3	3
Expansion tank capacity	l	8	8	10	12	12
Expansion tank initial pressure	bar	1	1	1	1	1
Maximum pressure of domestic hot water circuit	bar	8	8	8	8	8
Minimum pressure of domestic hot water circuit	bar	0.15	0.15	0.15	0.15	0.15
Minimum domestic hot water output	l/min.	2.5	2.5	2.5	2.5	2.5
Domestic hot water flow rate (ΔT = 30 °C)	l/min.	11.0	12.5	14.2	18	18.6
Flue type	-	C13(x)-C33-C53	C13(x)-C33-C53	C13(x)-C33-C53	C13(x)-C33-C53	C13(x)-C33-C53
Hermetic flue	mm	60/100	60/100	60/100	60/100	60/100
Twin flue gas pipe diameter	mm	80	80	80	80	80
Twin flue fresh air intake pipe diameter	mm	80	80	80	80	80
Maximum flue gas temperature	°C	80	80	80	80	80
NOx class	-	5	5	5	5	5
Type of gas	-	G20	G20	G20	G20	G20
Doğalgaz besleme basıncı	mbar	20	20	20	20	20
Supply voltage	V	230	230	230	230	230
Frequency	Hz	50	50	50	50	50
Electric Power	W	145	145	145	160	160
Height	mm	802	802	802	802	802
Width	mm	450	450	450	450	450
Depth	mm	340	340	340	340	340
Net weight	kg	44	45	46	49	49
Electrical protection class	-	IP X4D	IP X4D	IP X4D	IP X4D	IP X4D

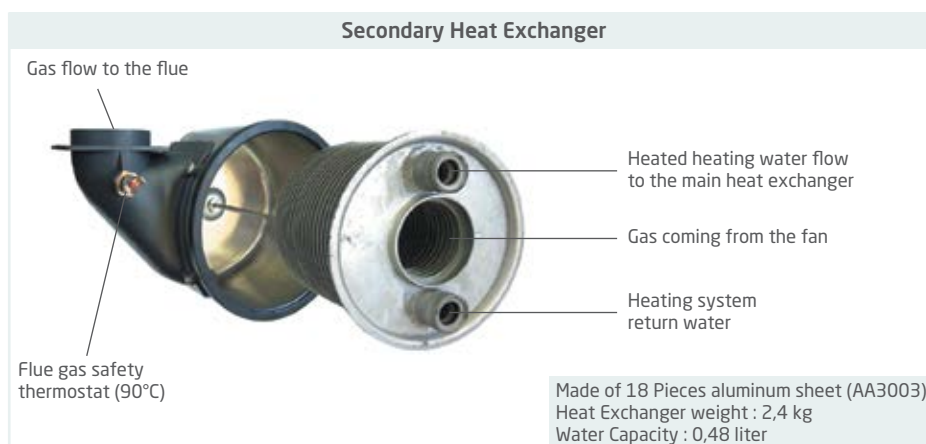
BAYMAK BYC-HE Series

Condensing Combi Boilers With 3 Heat-Exchangers (BYC-HE 24-31)



- Full digital control panel with LCD display
- High efficiency 103.14%
- Energy efficiency ★★★★★ (92/42 / CEE)
- New compact hydraulic group comprising a flow sensor that provides high comfort for electric motor driven 3-way valve and domestic hot water
- Flow control with turbine flow meter
- Digital system and fault status control
- Aluminum silicone-coated copper main heat exchanger
- Special condensing heat exchanger with 18 plates
- Stainless steel domestic hot water heat exchanger
- Electrical energy saving with low energy circulation pump
- Brass hydraulic group

Combi Boiler Technical Specifications

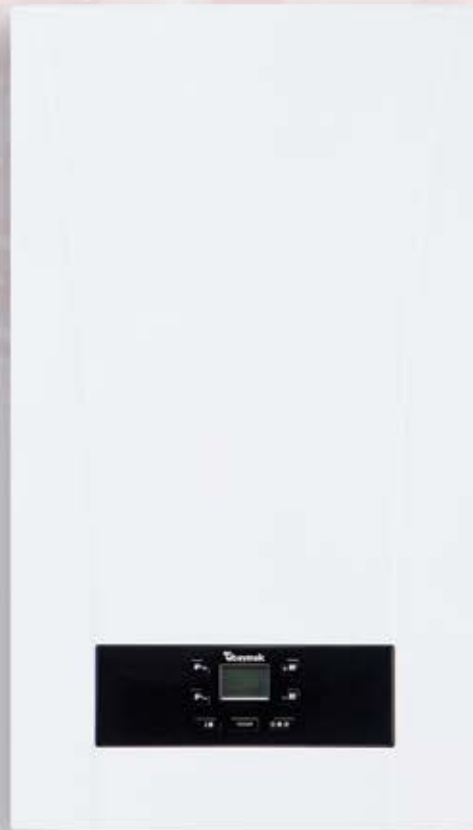


Technical Data Sheet

Models		BYC-HE 24 Fi	BYC-HE 31 Fi
Gas category		I12H3B/P	I12H3B/P
Maximum (nominal) Heat Load	kW	24,8	30,5
Minimum (nominal) Heat Load	kW	10,6	11,9
Max. Power 80/60 °C	kW	24	29,6
	kcal/h	20.600	25.460
Min. Power 80/60°C	kW	9,8	11
	kcal/h	8430	9460
Max. Power 50/30 °C	kW	25,2	31
	kcal/h	21.672	26.660
Min. Power 50/30°C	kW	10,1	11,3
	kcal/h	8.686	9.718
Maximum heat load of domestic hot water	kW	24,8	30,5
Efficiency Class - Directive 92/42/EEC	-	★★★★	★★★★
Central heating circuit maximum pressure	bar	3	3
Expansion tank capacity	l	8	8
Expansion tank initial pressure	bar	1	1
Domestic hot water circuit max. pressur	bar	8	8
Domestic hot water circuit min. dynamic pressure	bar	0,15	0,15
Min. domestic hot water outlet	l/min	2,5	2,5
Domestic hot water flow rate (ΔT = 30°C)	l/min	11,1	14
Flue type	-	C12(X)-C32-C42-C52-C62-B22	C12(X)-C32-C42-C52-C62-B22
Flue gas pipe diameter	mm	60	60
Fresh air intake pipe diameter	mm	100	100
Twin flue gas pipe diameter	mm	80	80
Twin flue fresh air intake pipe diameter	mm	80	80
Maximum flue gas temperature	°C	80	80
NOx class	-	3	3
Type of gas	-	G20	G20
	-	G30/G31	G30/G31
Natural gas supply pressure	mbar	20	20
LPG supply pressure	mbar	30	30
Supply voltage	V	230	230
Frequency	Hz	50	50
Electric Power	W	170	180
Net weight	kg	43,5	44
Dimensions height	mm	780	780
width	mm	450	450
depth	mm	345	345
Electrical protection		IP X4D	IP X4D

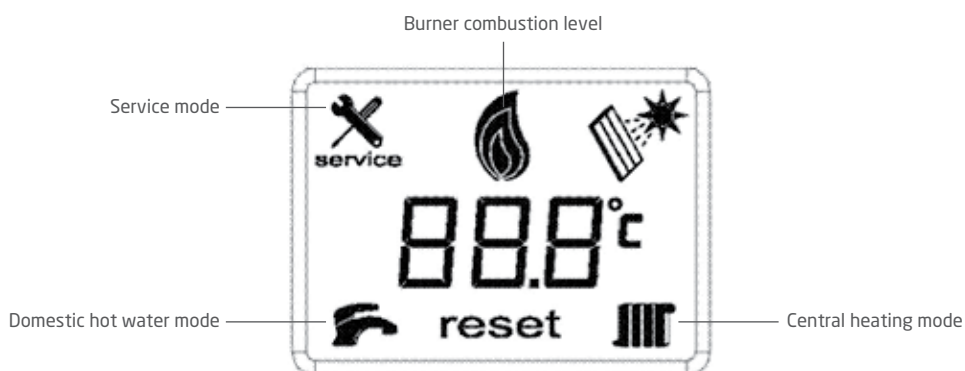
BAYMAK BYD-SE Series

Conventional Combi Boilers (BYD-SE 24-31)



- Energy efficiency ★★★ (92/42 CEE)
- Comfortable heating and hot water supply with dual heat exchanger structure
- Digital LCD display panel
- Fault diagnosis system
- 3-way valve with electric motor
- Electrical energy saving by low energy circulation pump
- Fuel economy with high modulating gas valve
- Temperature control with two NTC sensors
- Domestic hot water heat exchanger with stainless steel plate
- Full protection against freezing by heating and domestic hot water circuit
- Anti-Blocker System: Circulation pump is automatically activated once in every 24 hours and prevents blockage
- Non-stop hot water comfort with the turbine flow meter of domestic hot water circuit

Combi Boiler Technical Specifications



Technical Data Sheet

Models		BYD-SE 24 Fi	BYD-SE 31 Fi
Maximum Heat Load	kW	25,8	33,3
Minimum Heat Load	kW	11	11,9
Maximum Heat Power	kW	24	31
	kcal/h	20.600	26.700
Minimum Heat Power	kW	9,6	10,4
	kcal/h	8.250	8.900
Efficiency Class - Directive 92/42/EEC	-	★★★	★★★
Central heating circuit maximum pressure	bar	3	3
Expansion tank capacity	l	7	10
Central heating temperature range	°C	30 - 85	30 - 85
Expansion tank initial pressure	bar	1	1
Domestic hot water circuit max pressure	bar	8	8
Domestic hot water circuit min dynamic pressure	bar	0,15	0,15
Min. domestic hot water outlet	l/min	2,5	2,5
Domestic hot water temperature range	°C	35 - 60	35 - 60
Domestic hot water flow rate ($\Delta T = 30^{\circ}C$)	l/min	10,7	13,7
Flue type	-	C12(X)-C32-C42-C52-C82-B22	C12(X)-C32-C42-C52-C82-B22
Flue gas pipe diameter	mm	60	60
Fresh air intake pipe diameter	mm	100	100
Twin flue gas pipe diameter	mm	80	80
Twin flue fresh air intake pipe diameter	mm	80	80
Maximum flue gas temperature	°C	140	145
NOx class	-	3	3
Type of gas	-	G20	G20
	-	G30/G31	G30/G31
Natural gas supply pressure	mbar	20	20
LPG supply pressure	mbar	30	30
Supply voltage	V	230	230
Frequency	Hz	50	50
Electric Power	W	135	165
Net weight	kg	29	35
Dimensions height	mm	745	825
width	mm	400	450
depth	mm	300	345
Electrical protection		IP X4D	IP X4D

BAYMAK BYM-SE Series

Conventional Combi Boilers (BYM-SE 24)



- Energy efficiency ★★★ (92/42 CEE)
- Comfortable heating and hot water supply with dual heat exchanger structure
- Digital LCD display panel
- Fault diagnosis system
- 3-way valve with electric motor
- Electrical energy saving by low energy circulation pump
- Temperature control with two NTC sensors
- Domestic hot water heat exchanger with stainless steel plate
- Full protection against freezing by heating and domestic hot water circuit
- Anti-Blocker System: Circulation pump is automatically activated once in every 24 hours and prevents blockage
- Non-stop hot water comfort with the turbine flow meter of domestic hot water circuit

Combi Boiler Technical Specifications



Stainless Steel Burner Group:

Burner group appropriate for the combustion of natural gas and LPG with its stainless steel structure of the upper part is long-lasting.



Heat Exchanger:

The main heat exchanger in contact with flame is produced as fine structure since its heat resistance is higher. Thanks to this feature, temperature transferring of the gas burned in the the combustion chamber into the water passing through main heat exchanger is provided more quickly.

Technical Data Sheet

Models		BYM-SE 24 Fi
Gas category		II2H3B/P
Maximum heat load	kW	25.8
Minimum heat load	kW	13.0
Maximum heat power	kW	24.0
	kcal/h	20.640
Minimum heat power	kW	11.6
Maximum efficiency (Nominal)	%	93
Efficiency Class in accordance with 92/42/EEC Directive		★★★
Central heating system max. Pressure	bar	3
Heating circuit temperature setting range	°C	30 - 85
Hot domestic hot water circuit temperature setting range	°C	35 - 60
Expansion tank capacity	l	7
Expansion tank initial pressure	bar	1
Hot domestic hot water circuit max. pressure	bar	8
Hot domestic hot water circuit min. dynamic pressure	bar	0.15
Min. hot domestic hot water production	l/min.	2.5
Hot domestic hot water production (ΔT = 25°C)	l/min.	13.7
Flue type		C12-C32-C52-C82-B22
Special domestic hot water production (according to EN 625)	l/min.	10.7
Equiaxial flue diameter	mm	60/100
Max. flue gas flow	kg/sec.	0.014
Min. flue gas flow	kg/sec.	0.014
Flue gas max. temperature	°C	140
NOx class	-	3
Type of gas	-	Doğalgaz, LPG
Voltage	V	230
Frequency	Hz	50
Net weight	kg	38
Power consumption	W	135
Dimensions	height	mm
	width	mm
	depth	mm
Protection class (According to EN 60529)		-
		IPX 4D

HERMETIC NATURAL GAS STOVE

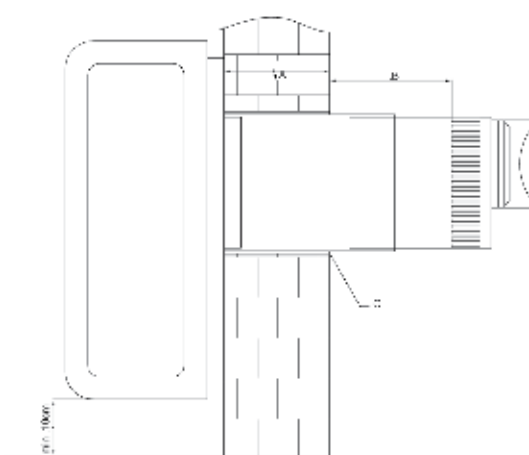
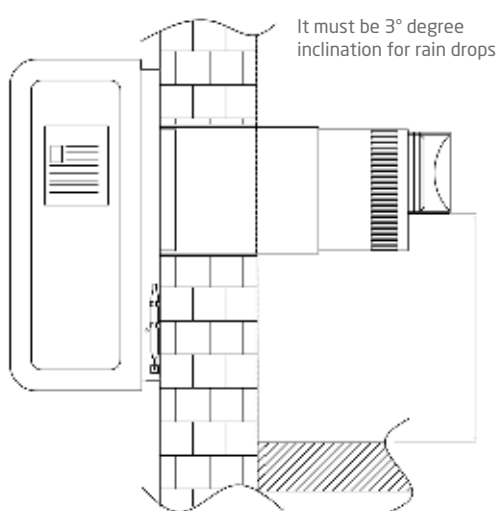
Natural Gas - LPG Stove (BDU 10)



- Combustion feature with LPG or natural gas
- 11 KW power
- Safe, comfortable, high-efficiency heating
- Easy to install, compatible with the ambiance, aesthetic appearance
- Special construction enameled combustion chamber
- Availability to hold the ambient temperature constant through the automatic thermostat
- Ambient temperature can be adjusted in 7 different stages by means of gas valve
- Provides fuel economy by switching into pilot position at desired temperature level
- Intakes fresh air necessary for combustion from external environment, releases the burned gases out, so that it does not consume and pollute the ambient air
- Stainless steel burners with European norms
- Full safety with the magnet valve that automatically cuts the passage of the gas by means of gas safety equipment in case of the flame extinguishes for any reason
- TSE, CE certified
- Wall mountable
- Piezo ignition



Natural Gas Stove Technical Specifications



A- The wall thickness of the flue kit to be mounted should be max. 42 cm and min. 25 cm. The desired distance can be set by the telescopic chimney. (if the wall width is smaller than 25 cm. length of the pipe must be cut and shortened)

B- Pay attention to be min.1 cm and max.5 cm distance between the air inlet hole and the wall surface.

C- Fill the gaps between the wall and the pipe with a fireproof material (gypsum, etc..)

Technical Data Sheet

Models		BDU 10 Hermetic Stove	
Product Identification Number		CE1798/008E/EC	CE1798/008E/EC
Gas Type		Natural Gas NG 20 (G 20)	LPG 30 (G 30)
Gas Type Pressure	mbar	20	30
Rated Load	kW	11	11
Gas Flow Rate	m ³ /h	1.03	0.820
Device Category		I2H	I3B/P
Gas Inlet Connection		1/2"	
Ignition		PIEZO	
Type of Device		C11 / Hermetic	
NOx Class		4	
Efficiency Class		1	
Effective Yield		%86	
Unpacked Dimensions	mm	285 x 1040 x 630	
Packaged Dimensions	mm	330 x 1060 x 690	
Unpacked Weight	kg	32.2	
Packaged Weight	kg	34.7	
Flue Gas Pipe Diameter		24	



Hot Water Group

Your Health is Our Priority

Inner side of hot water tanks that are manufactured at Baymak facilities with the latest technology are enamel coated. The water that can be stored in a hygienic way for a long time within the enamel-coated hot water tanks, are provided to the consumer service as ready for use in terms of health. Baymak electric water heater and hot water storage tanks are long-lived with their robust insulation and hygiene certificate, they are the ideal choice for use with contentment.



HOT WATER GROUP

- AQUA SINGLE COIL HOT-WATER STORAGE TANKS
- AQUA DOUBLE COIL HOT-WATER STORAGE TANKS
- AQUA PRISMATIC JET ELECTRICAL WATER HEATERS
- AQUA LCD PRISMATIC ELECTRIC WATER HEATERS
- AQUA COMFORT PRISMATIC ELECTRIC WATER HEATERS
- OVER SINK / UNDER SINK ELECTRIC WATER HEATERS
- AQUA CYLINDRICAL ELECTRIC WATER HEATERS
- AQUA ELECTRIC WATER HEATERS WITH COIL
- HERMETIC GAS WATER HEATERS (BH 11 - 13)



HOT WATER GROUP

AQUA HOT-Water Storage Tanks

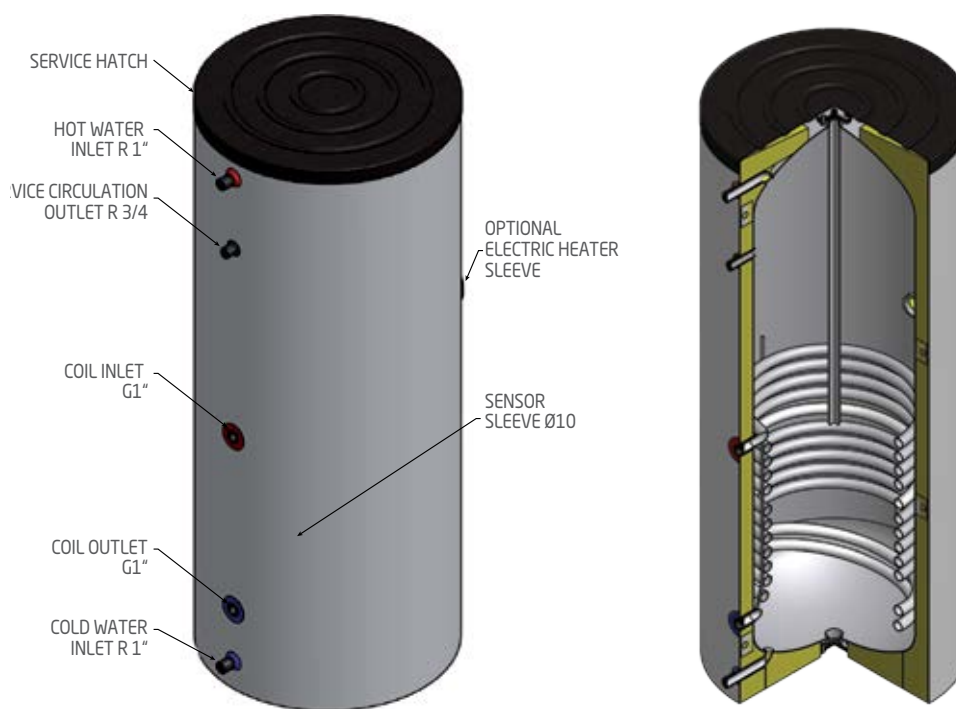
AQUA SINGLE COIL HOT-WATER STORAGE TANKS



- Used for the preparation and storage of hot water
- Large capacity range with 80 - 6000 l models
- Produces hot water quickly by means of coil
- Running water hygiene certificate (PZH)
- Vertical typed, takes a small place
- Hot water cylinders' interior surfaces are hygienic with high-tech titanium doped enamel-coating
- Keeps the water temperature for a long time with 50 mm polyurethane insulation
- All surfaces come into contact with clean water are hygienic and smooth that does not allow bacterial growth
- Protected against corrosion by a magnesium anode stick
- Thermometer is used in all the models
- Hot-water cylinder's body and coil material are composed of St 37/2 steel
- Electric heater (optional)
- Working pressure 8 bars, Test Pressure 13 bars



Hot-Water Storage Tank Technical Specifications



Technical Data Sheet

FEATURE	CAPACITY															
	T80L	T100L	T120L	T160L	T200L	T300L	T400L	T500L	T800L	T1000L	T2000L	T2500L	T3000L	T4000L	T5000L	T6000L
Height	mm 845	1000	825	1125	1280	1210	1560	1860	1700	2045	2550	2450	2780	2580	3020	3550
Insulated Diameter	mm 500	500	600	600	600	740	740	740	1050	1050	1260	1460	1460	1660	1660	1660
Electric Heater Connection Sleeve	inch			1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Cleaning Hatch	-	-	-	-	-	DN 100	DN 100	DN 100	DN 250	DN 250	DN 100	DN 150	DN 150	DN 200	DN 200	DN 200
Coil Inlet - Outlet Diameter	inch 1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Water Inlet-Outlet Diameter	inch 1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1 1/2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Service Circulation Pipe Diameter	inch 3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1 1/2"	2"	2"	2"	2"	2"
Weight	kg 38	43	54	81	90	110	170	200	260	295	537	680	810	1190	1370	1545
Total Coil Surface Area	m ² 0,47	0,57	0,63	0,88	1,01	1,36	1,7	2,05	2,37	3,55	4,97	6,59	7	8,5	10	12

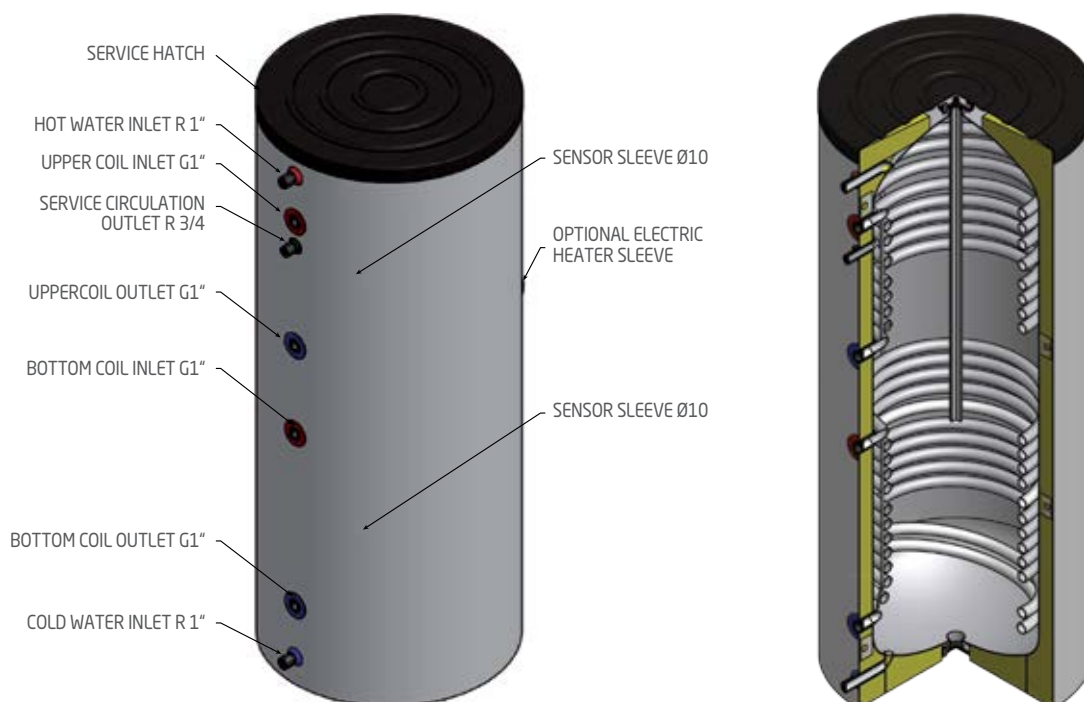
AQUA DOUBLE COIL HOT-WATER STORAGE TANKS



- Used together with Solar Collectors and Heating Boiler System for the purpose of preparation and storage of hot water
- Large capacity range with 160 - 6000 l models
- Produces hot water quickly by means of coil
- It has running water hygiene certificate (PZH)
- Vertical typed, takes a small place
- Hot water cylinders' interior surfaces are hygienic with high-tech titanium doped enamel-coating
- Keeps the water temperature for a long time with 50 mm polyurethane insulation
- All surfaces come into contact with clean water are hygienic and smooth that does not allow bacterial growth
- Protected against corrosion by a magnesium anode stick
- Thermometer is used in all the models
- Hot-water cylinder's body and coil material are composed of St 37/2 steel
- Electric heater (optional)
- Working pressure 8 bars, Test Pressure 13 bars



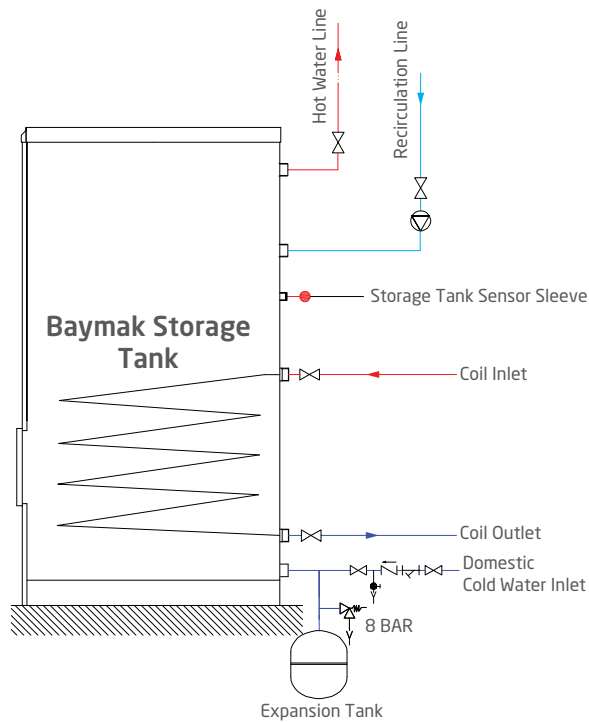
Hot-Water Storage Tank Technical Specifications



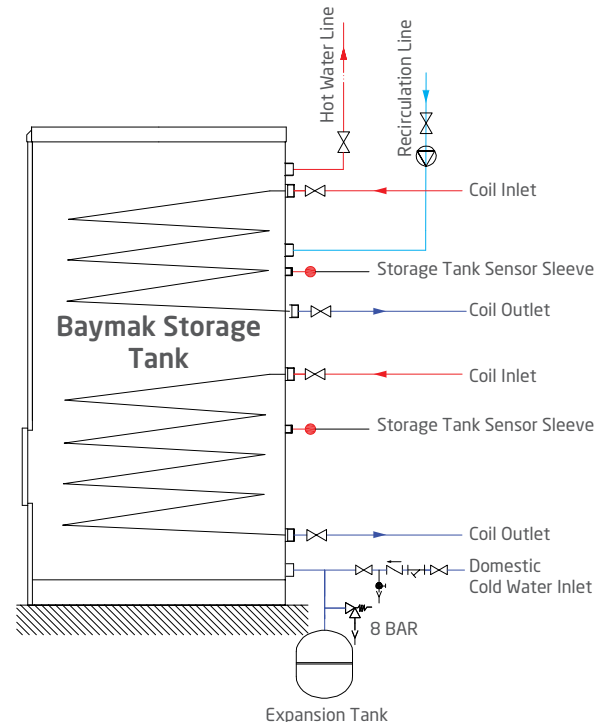
Technical Data Sheet

FEATURE		CAPACITY												
		C160L	C200L	C300L	C400L	C500L	C800L	C1000L	T2000L	T2500L	T3000L	T4000L	T5000L	T6000L
Height	mm	1125	1280	1210	1560	1860	1700	2045	2550	2450	2780	2580	3020	3550
Insulated Diameter	mm	600	600	740	740	740	1050	1050	1260	1460	1460	1660	1660	1660
Electric Heater Connection Sleeve	inch	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Cleaning Hatch	-	-	-	DN 100	DN 100	DN 100	DN 250	DN 250	DN 100	DN 150	DN 150	DN 200	DN 200	DN 200
Coil Inlet - Outlet Diameter	inch	1"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"
Water Inlet-Outlet Diameter	inch	1"	1"	1"	1"	1"	1"	1"	1 1/2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Service Circulation Pipe Diameter	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1 1/2"	2"	2"	2"	2"	2"
Weight	kg	86	98	116	190	218	276	308	582	765	895	1250	1400	1645
Bottom Coil Surface Area	m²	0,88	1,01	1,36	1,7	2,05	2,37	3,55	4,97	6,59	7	8,5	10	12
Top Coil Surface Area	m²	0,38	0,63	0,51	1,02	1,36	0,95	1,43	2,18	3,03	3,4	4,25	5,01	6

Aqua Single Coil Hot - Water Storage Tanks



Aqua Double Coil Hot-Water Storage Tanks



Hot-Water Cylinder Technical Specifications

Hot-Water Cylinders are welded based on using fully automated manufacturing methods. Thus they were created at the highest level of manufacturing quality and errors caused by human factor are totally eliminated.

For the hot-water cylinder tanks to be enamel coated, products recommended as steel appropriate for enamel-coating are used. If the tank is coated with steel unqualified for enamelling, the enamel-coating poured out from the sheet in a very short period of time and tank is easily punctured due to corrosion.

At Baymak Enamel Coating Plants, robots controlled by PLC Units are used for cleaning, drying, enamelling and firing processes of the tanks. All process stages are free of human factor and the probability of error has been eliminated. Hot-Water Cylinder tanks has been designed in accordance with enamelling. Tanks to be enamel coated include special construction details compared to other tanks. Hot-water cylinder tanks with their special design are completely compliant for enamel coating process and since there is not any enamel defect, long-term tank life is ensured.

The inner surface of hot-water cylinder tanks is enamel coated. Enamel coating of the inner surface of the tank means that the inner surface of the tank is coated with glass. Thus, the hygiene of the ambient that running water is stored is maintained in the best way and corrosive materials in the water are prevented from damaging tank's plate.

Resistance of the tank against water corrosion is not ensured by tank plate's thickness but by quality of the enamel coated. There is titanium material in all types of enamel used to coat tanks in which the running water is stored.





HOT WATER GROUP

Electric Water Heaters

AQUA PRISMATIC JET ELECTRICAL WATER HEATERS



- Thanks to double speed (2x2000w heater), saves time.
- Whether single or double heater using
- Simply using with LCD screen
- Digital Control Panel with programmable function
- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Protected against corrosion with Mg-anode
- 4 different capacities to respond to the needs of all types of hot water
- Anti-legionella function
- Boil dry protection function
- Over-temperature prevention function
- Frost protection function
- The child lock function
- Fault Alert Function
- Flawless thermal insulation with min. 30 mm and max. 64 mm thick and 42 kg/m3 polyurethane
- Maximum level of safety is provided by 4 individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (40-80°C)
 - Protection of the safety thermostat (92 °C)
 - Provides protection against high current with 25 Amp fuse

Electric Water Heater Technical Specifications



Aqua Prismatic JET

is electronic controlled and designed by considering everything for your and your loved ones safety and comfort.

Technical Data Sheet

FEATURE		MODELS			
		JET 50	JET 65	JET 80	JET 100
Capacity	l	50	65	80	100
Heating Power	watt	2000x2	2000x2	2000x2	2000x2
Working Range	°C	40-80	40-80	40-80	40-80
Working Pressure	bar	9	9	9	9
Safety Valve		Available	Available	Available	Available
Protection Against Corrosion		Mg Anode	Mg Anode	Mg Anode	Mg Anode
Safety Thermostat		Available	Available	Available	Available
Frost Protection		Available	Available	Available	Available
Child Lock		Available	Available	Available	Available
Legionella Protection		Available	Available	Available	Available
Temperature Display		Digital	Digital	Digital	Digital
Isolation		CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane
Water Connection	inch	1/2"	1/2"	1/2"	1/2"
Width	mm	460	460	460	460
Length	mm	460	460	460	460
Height	mm	650	770	990	1060
Tank		Titanium Doped Enamel Coated Steel			

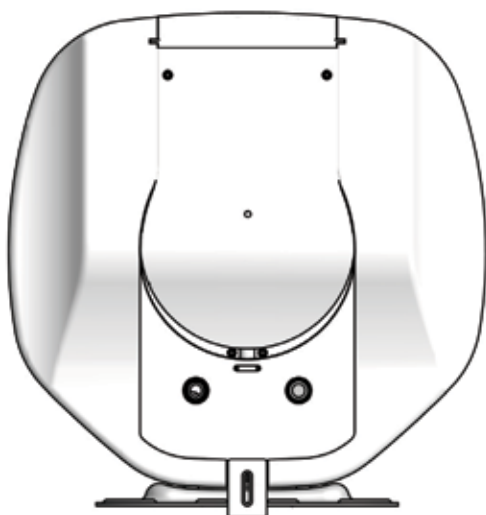
AQUA LCD PRISMATIC ELECTRIC WATER HEATERS



- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Flawless thermal insulation with min. 30 mm and max. 64 mm thick and 42 kg/m³ polyurethane
- Protected against corrosion with Mg-anode
- 4 different capacities to respond to the needs of all types of hot water
- Maximum level of safety is provided by 4 individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (40 - 80 °C)
 - Protection of the safety thermostat (92 °C)
 - Provides protection against high current with 16 Amp fuse
- Anti-legionella function
- Boil dry protection function
- Over-temperature prevention function
- Frost protection function
- The child lock function
- Programmable function digital control panel
- LCD Display daily programming



Electric Water Heater Technical Specifications



Aqua LCD Prismatic is electronic controlled and designed by considering everything for your and your loved ones safety and comfort.

Technical Data Sheet

FEATURE		MODELS			
		LCD 50	LCD 65	LCD 80	LCD 100
Capacity	l	50	65	80	100
Heating Power	watt	2000	2000	2000	2000
Working Range	°C	40-80	40-80	40-80	40-80
Working Pressure	bar	9	9	9	9
Safety Valve		Available	Available	Available	Available
Protection Against Corrosion		Mg Anode	Mg Anode	Mg Anode	Mg Anode
Safety Thermostat		Available	Available	Available	Available
Frost Protection		Available	Available	Available	Available
Child Lock		Available	Available	Available	Available
Legionella Protection		Available	Available	Available	Available
Temperature Display		Digital	Digital	Digital	Digital
Isolation		CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane
Water Connection	inch	1/2"	1/2"	1/2"	1/2"
Width	mm	460	460	460	460
Length	mm	460	460	460	460
Height	mm	650	770	990	1060
Tank		Titanium Doped Enamel Coated Steel			

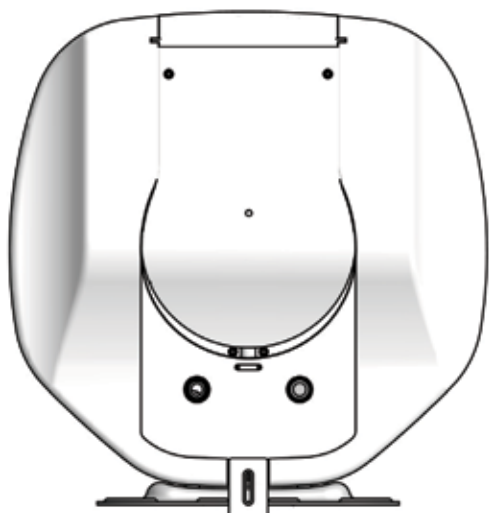
AQUA COMFORT PRISMATIC ELECTRIC WATER HEATERS



- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Flawless thermal insulation with min. 30 mm and max. 64 mm thick and 42 kg/m³ polyurethane
- Protected against corrosion with Mg-anode
- 4 different capacities to respond to the needs of all types of hot water
- Maximum level of safety is provided by 4 individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (35 - 75 °C)
 - Protection of the safety thermostat (92 °C)
 - Provides protection against high current with 16 Amp fuse



Electric Water Heater Technical Specifications



The user can adjust the Electrical Water Heater according to the desired temperature by means of setting thermostat and setting button placed on the control panel.

Technical Data Sheet

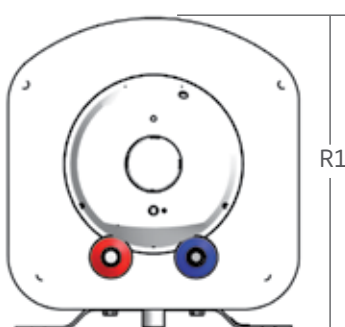
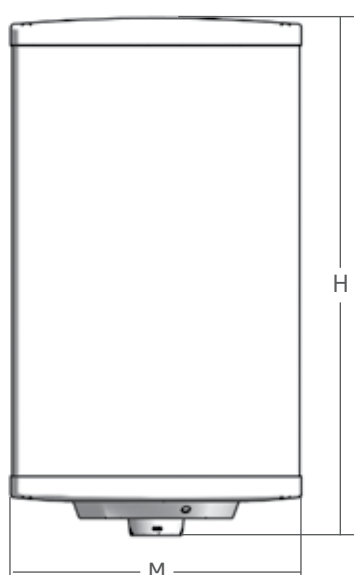
FEATURE		MODELS			
		COMFORT 50	COMFORT 65	COMFORT 80	COMFORT 100
Capacity	l	50	65	80	100
Heating Power	watt	2000	2000	2000	2000
Working Range	°C	35-75	35-75	35-75	35-75
Working Pressure	bar	9	9	9	9
Safety Valve		Available	Available	Available	Available
Protection Against Corrosion		Mg Anode	Mg Anode	Mg Anode	Mg Anode
Safety Thermostat		Available	Available	Available	Available
Temperature Gauge		Available	Available	Available	Available
Isolation		CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane	CFC-free polyurethane
Water Connection	inch	1/2"	1/2"	1/2"	1/2"
Width	mm	460	460	460	460
Length	mm	460	460	460	460
Height	mm	650	770	990	1060
Tank		Titanium Doped Enamel Coated Steel			

OVER SINK / UNDER SINK ELECTRIC WATER HEATERS



- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Flawless thermal insulation with 20 mm thick and 42 kg/m³ polyurethane
- Protected against corrosion with Mg-anode
- 2 different capacities to respond to the needs of all types of hot water
- Maximum level of safety is provided by 3 individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (constant 35 °C - 75 °C)
 - Protection of the safety thermostat (92 °C)

Electric Water Heater Technical Specifications



MEASURES	TA 15 - TÜ 15	TA 30 - TÜ 30
H (mm)	450	610
M (mm)	345	345
R1 (mm)	365	365

Technical Data Sheet

FEATURE		MODELS	
		TA 15 - TÜ 15	TA 30 - TÜ 30
Capacity	l	15	30
Voltage / Current	V / A	230 / 7	230 / 7
Power	watt	1500	1500
Working Pressure	bar	9	9
Pipe Diameters	inch	1/2	1/2
Water Temperature Setting	°C	35-75	35-75
Empty Weight	kg	11	14
Height	mm	450	610
Width	mm	345	345
Depth	mm	365	365
Box Dimensions	cm	40*47*40	40*62*60
Tank		Titanium Doped Enamel Coated Steel	

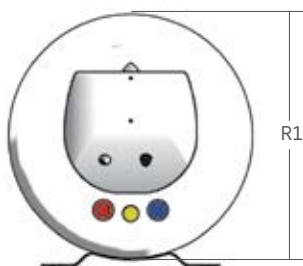
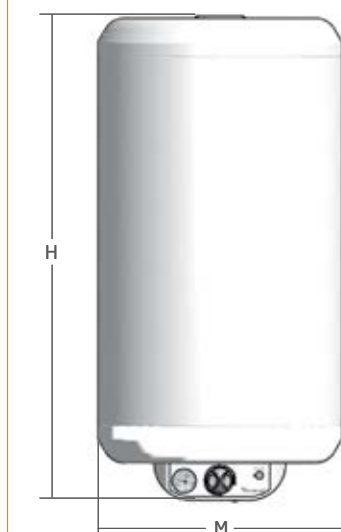
AQUA CYLINDRICAL ELECTRIC WATER HEATERS



- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Flawless thermal insulation with 20 mm thick and 42 kg/m³ polyurethane
- Protected against corrosion with Mg-anode
- 4 different capacities to respond to the needs of all types of hot water
- Maximum level of safety is provided by four individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (35 - 75 °C)
 - Protection of the safety thermostat (92 °C)
 - Provides protection against high current with 16 Amp fuse



Electric Water Heater Technical Specifications



Water Temperature Setting;

The user can adjust the Electrical Water Heater according to the desired temperature by means of setting thermostat and setting button placed on the control panel.

MEASURES		MTK 50	MTK 65	MTK 80	MTK 100
H	(mm)	640	765	885	1050
M	(mm)	445	445	445	445
R1	(mm)	460	460	460	460

Technical Data Sheet

FEATURE		MODELS			
		MTK 50	MTK 65	MTK 80	MTK 100
Capacity	l	50	65	80	100
Voltage/Current	V / A	230 / 9	230 / 9	230 / 9	230 / 9
Power	watt	2000	2000	2000	2000
Working Pressure	bar	9	9	9	9
Pipe diameters	inch	1/2	1/2	1/2	1/2
Water Temperature Setting	°C	35 - 75	35 - 75	35 - 75	35 - 75
Empty Weight	kg	20	26	30	34
Height	mm	640	765	885	1050
Width	mm	445	445	445	445
Depth	mm	460	460	460	460
Box Dimensions	cm	50*50*68	50*50*80	50*50*92	50*50*110
Tank	Titanium Doped Enamel Coated Steel				

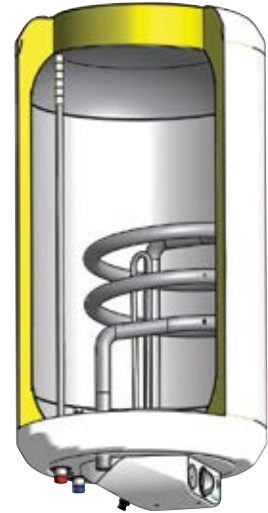
AQUA ELECTRIC WATER HEATERS WITH COIL



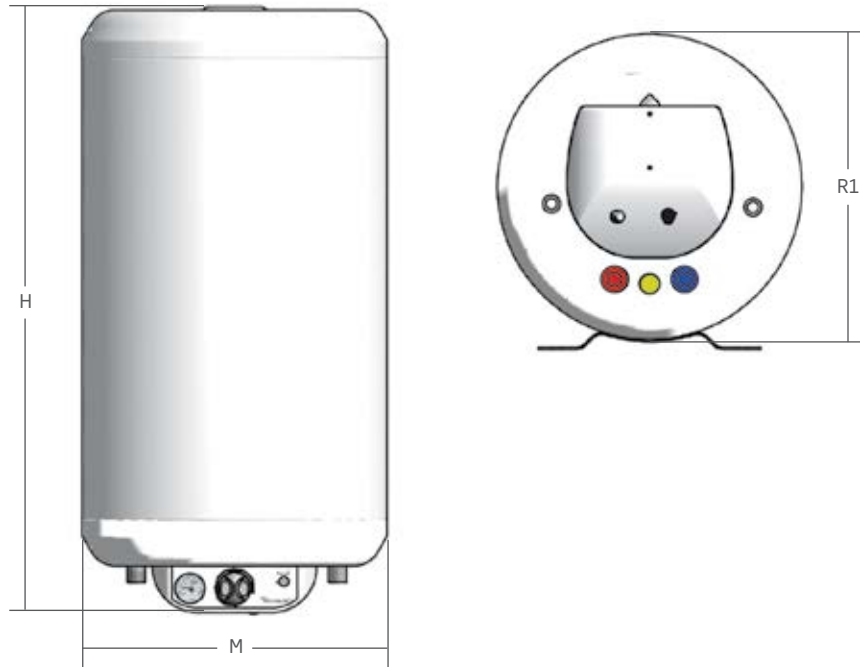
- Titanium doped, enamel-coated steel inner tank is long-lasting and hygienic
- Flawless thermal insulation with 20 mm thick and 42 kg/m³ polyurethane
- Protected against corrosion with Mg-anode
- Running water hygiene certificate (PZH)
- Saves energy with water heater that utilizes electrical energy and as well as other heating sources (central heating, solar energy, etc.)
- 3 different capacities to respond to the needs of all types of hot water
- Maximum level of safety is provided by 4 individual safety systems
 - Protection through safety valve with check valve against increases in pressure
 - Operation thermostat (35 - 75 °C)
 - Protection of the safety thermostat (92 °C)
 - Provides protection against high current with 16 Amp fuse

Electric Water Heater Technical Specifications

Electric water heaters with coil are single coil hot water tanks that boils and stores the water inside via electric energy as well as an auxiliary heat source (heater, central heating system boiler, solar energy system and geothermal heating). It is a product that heats the water inside by circulating the hot water from the auxiliary heating source through water heater coils; also it does not require electric power if the temperature in running water is sufficient, therefore provides the possibility of saving electricity.



MEASURE		SMTK 65	SMTK 80	SMTK 100
H	(mm)	765	885	1050
M	(mm)	445	445	445
R1	(mm)	460	460	460



Technical Data Sheet

FEATURE		MODELS		
		SMTK 65	SMTK 80	SMTK 100
Capacity	l	65	80	100
Voltage/Current	V / A	230 / 9	230 / 9	230 / 9
Power	watt	2000	2000	2000
Working Pressure	bar	9	9	9
Pipe Diameters	inch	1/2	1/2	1/2
Water Temperature Setting	°C	35 - 75	35 - 75	35 - 75
Empty Weight	kg	26	30	34
Height	mm	765	895	1050
Width	mm	445	445	445
Depth	mm	460	460	460
Box Dimensions	cm	50*50*80	50*50*92	50*50*110
Tank	Titanium Doped Enamel Coated Steel			

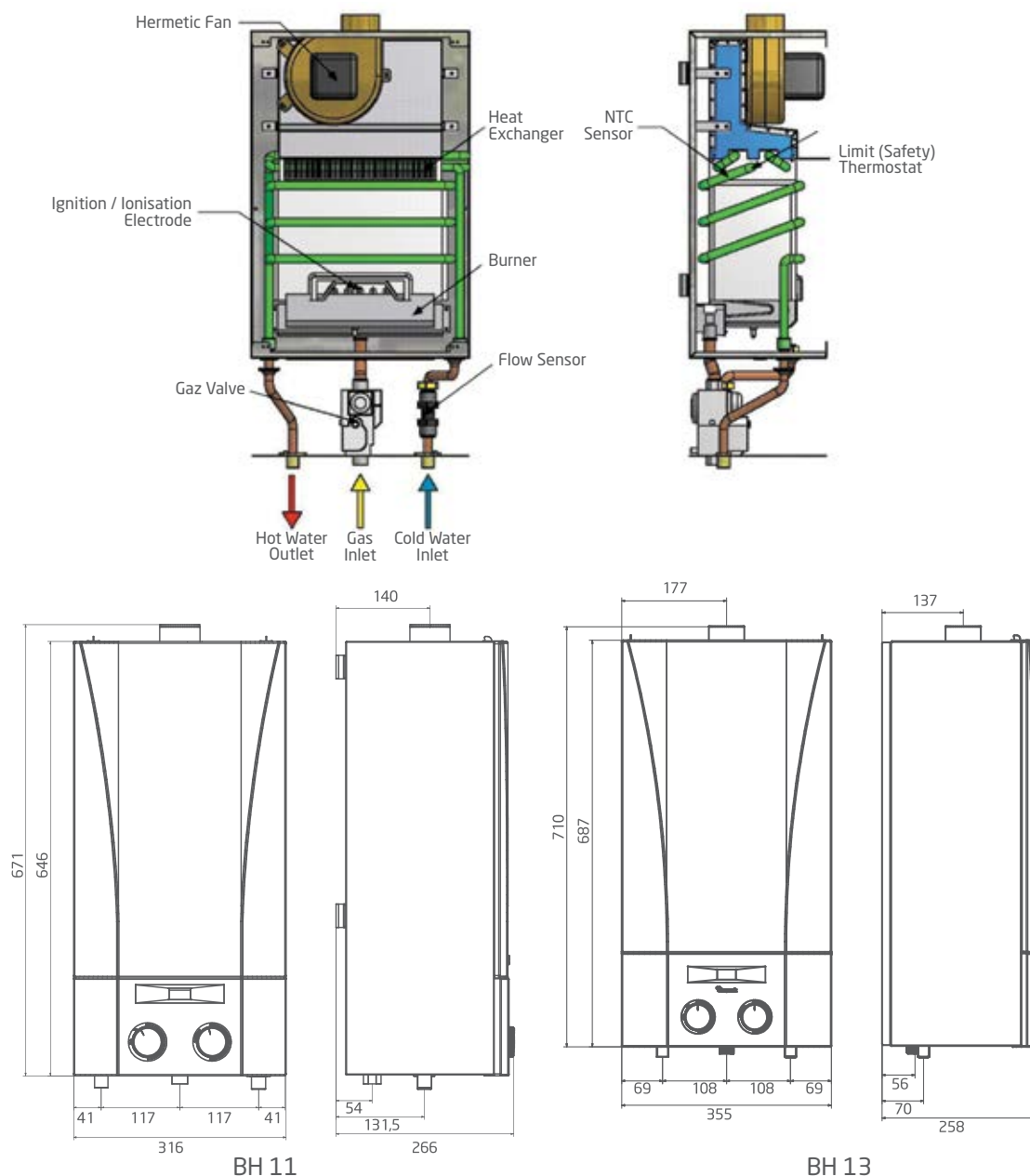
HERMETIC GAS WATER HEATERS

(BH 11- BH 13)



- 11 - 13 l / min of hot water capacity
- Hermetic flue system
- Instant monitoring of outlet water temperature with LCD control panel
- Electronic ignition and flame modulation
- Fault warning system
- Water temperature adjustment range 35 - 60 °C
- Flue blockage safety system
- Overheat safety system
- Flame control safety system
- Capability to use with natural gas or LPG
- Full protection function against frost

Gas Water Heater Technical Specifications



Technical Data Sheet

FEATURE		BH 11	BH 13
Product Description		Hermetic Gas Heater	Hermetic Gas Heater
Ignition Type		Electronic Ignition	Electronic Ignition
Gas Category		II 2H3B/P	II 2H3B/P
Nominal Heat Power	kW	19,4	23,4
	kcal/h	16.684	20.120
Nominal Heat Load	kW	22,8	26,2
	kcal/h	19.608	22.530
Gas Inlet Pressure	Natural Gas	20	20
	LPG	30	30
Hot Water Capacity ($\Delta T = 25^\circ C$)	l /min.	3 - 11	3 - 13
Water Temperature Setting Range	$^\circ C$	35 - 60	35 - 60
Hermetic Flue Diameter	mm	$\varnothing 60 / 100$	$\varnothing 60 / 100$
Hot Water Inlet / Cold Water Outlet Connections		1/2"	1/2"
Electrical Connection		AC 230 V - 50 Hz	AC 230 V - 50 Hz
Electric Power		55	55
Gas Inlet Connection		3/4"	3/4"
Dimensions	Net	mm	mm
	Packaged	mm	mm
Weight	Net	kg	kg
	Packaged	kg	kg



Solar Energy Systems

Believe the Power of Nature

Various technologies have been developed in order to take the advantage of the sun which has endless source of energy. Some of these technologies are directly utilized for lighting or heating through solar energy, whereas some others are used to produce electricity from solar power. High-tech Baymak solar systems benefit from the sun rays both for heating the water and to produce electricity from the sun. These systems that are used to provide necessary hot water or to heat an area, can also be used to produce electric power. Baymak, by means of his technological investments, is committed to benefit maximum utility from the sun which is a source of renewable energy.



SOLAR ENERGY SYSTEMS

- SOLAR COLLECTORS
- ADVANCED SERIES (X - XL)
- ESSENTIAL BLACK SERIES (X - XL)
- ESSENTIAL SERIES (X - XL)
- APOLLO S SERIES (X - XL)
- APOLLO E SERIES (X - XL)
- BAYMAK AQUA ELEGANT SOLAR THERMOSIPHON SYSTEMS
- AQUASOLAR SERIES PACKAGE SYSTEMS



SOLAR ENERGY SYSTEMS

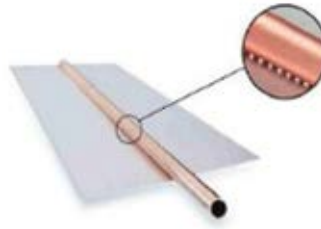
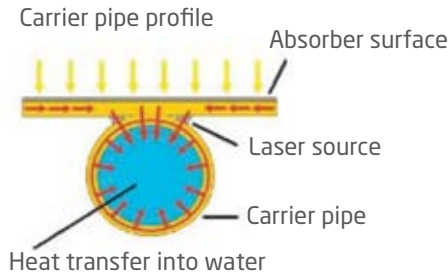
Solar Collectors

SOLAR COLLECTORS



Divided into two applications as automation-assisted and natural circulation. In the automation-assisted system, there are double coil enamel-coated storage tanks and equipments; whereas in the natural circulation systems, there are models with 160/200 and 300 l oblique type enamel-coated tanks."

Laser Welding Technology



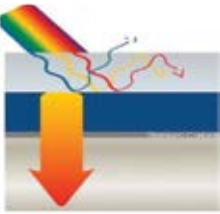
In the new series solar collectors, absorber surfaces and carrier pipes are integrated with laser welding technology. The major advantage of the LASER welding method is that the welding is applied without giving any damage and leaving any mark over the selective surface of the absorber plate.



Manifold Gasket: In the new series solar collectors, UV-resistant silicone is used as manifold's retainer gasket in order to prevent water intrusion into the collector due to the facts such as rain and snow. Silicone gasket provides resistance against high temperatures to be formed over the manifold.



Solar Glass: "Sandy patterned" low-alloyed ferrous tempered glass minimizes the reflection of the sun rays allows them to enter into collector at maximum level. In this way, the efficiency of the collector increases. Sandy patterned glass is produced in Turkey and it is among the highest performance sun collector glasses in Europe.



Absorber Plate: The selective absorber surface with titanium nitric oxide coated over copper and aluminum used in the new solar collectors transfers the radiation heat from the sun to the plate at a maximum level and reflection losses that lead to decrease in efficiency are eliminated.



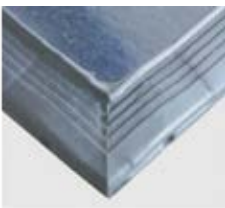
Insulation: In the new series solar collectors, high thermal insulated and high intensity 40 mm thick rockwool and glasswool are used.



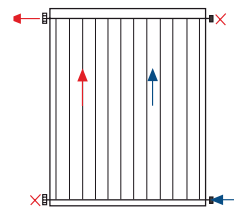
Casing Profile: Chassis used in new series solar collectors is specially designed and thanks to the patented technology, all the elements of the structure is assembled at once.



Back Plate: In the new series solar collectors, hardened anodized aluminum and galvanized plate resistant to external factors is used. Back plate provides the highest resistance against physical factors such as transportation, installation, rain, snow, wind and temperature.

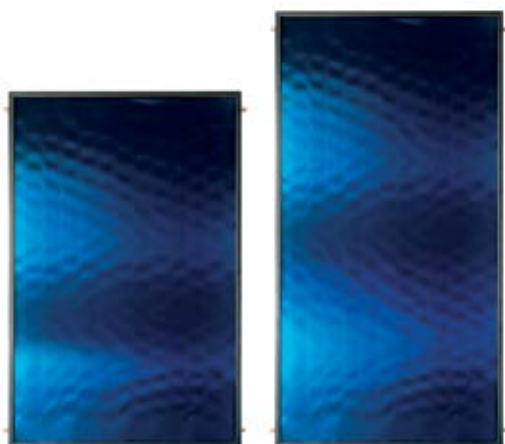


Glass Seal: In the new series solar collectors UV-resistant vulcanized EPDM is used as glass sealing in order to prevent water intrusion into the collector due to the facts such as rain and snow. The glass seal ensures a complete sealing against leakages to be formed over the corner points.



Harp System : In order to transfer heat from the high-efficiency glass and selective surface used in the new series solar collectors into the water precisely, the harp system with copper carrier pipe is used.

ADVANCED Series (X - XL)



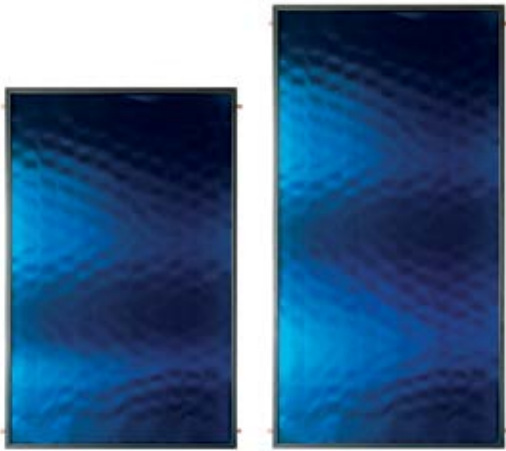
Technical Specifications

- Long-lasting with the reinforced chassis
- Resistant to shocks with aluminum back plate
- Laser welded pipes provides higher heat transfer
- Special 40 mm thick rockwool insulation prevents heat loss
- 4 mm thick, sandy patterned solar collector glass has high transmittance of light
- Titanium coated absorber surface is made of copper
- Gross surface area: X-Series are 2,00 m² and XL series are 2,51 m²
- Provides safe working conditions up to 200°C and 10 bar
- ADVANCED X - XL collectors with their black anodized chassis present a stylish-image

Technical Data Sheet

Package Systems	ADVANCED X	ADVANCED XL
Gross Area	2,00 m ²	2,51 m ²
Clearing	1,87 m ²	2,34 m ²
Absorbing Surface Area	1,87 m ²	2,34 m ²
Absorbing Surface Type	Cooper	Cooper
Absorbing Surface Coating Type	Selective	Selective
Transmittence	95 %	95 %
Emission / Reflection	5 %	5 %
Chassis	Black Anodized Aluminum	Black Anodized Aluminum
Glass Type	Low-Iron, Tempered, Sandy Patterned Solar Glass	Low-Iron, Tempered, Sandy Patterned Solar Glass
Glass Thickness	4 mm	4 mm
Daylight Transmittance Td65	91,6 %	91,6 %
Solar Energy Transmittance Tsol	90,5 %	90,5 %
Glass Seal	Vulcanized EPDM	Vulcanized EPDM
Isolation	RockWool (40 mm)	RockWool (40 mm)
Back Plate	Aluminum	Aluminum
Number of Riser Pipes	12	12
Riser Pipe Diameter Ø mm	10 mm	10 mm
Manifold Diameter Ø mm	18 mm (3/4")	18 mm (3/4")
Connection Type	Compression Fitting	Compression Fitting
Water Volume	1,8 liter	2,2 liter
Working Pressure	10 bar	10 bar
Test Pressure	15 bar	15 bar
Maximum Temperature	200 °C	200 °C
Stagnation Temperature	180 °C	180 °C
Length	1750 mm	2180 mm
Width	1150 mm	1150 mm
Height	80 mm	80 mm
Weight	41 kg	49 kg
Efficiency η_{10}	76,8 %	78 %

ESSENTIAL BLACK Series (X - XL)



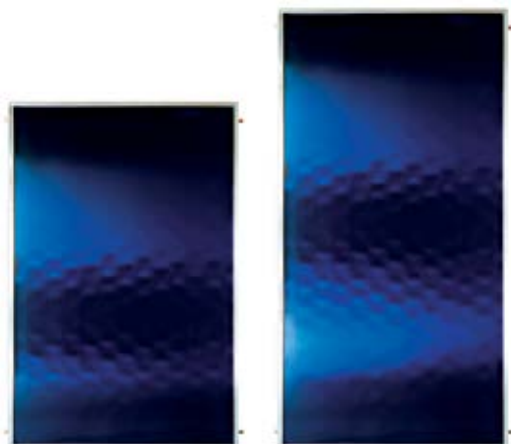
Technical Specifications

- Long-lasting with the reinforced chassis
- Resistant to shocks with aluminum back plate
- Laser welded pipes provides higher heat transfer
- Special 40 mm thick rockwool insulation prevents heat loss
- 4 mm thick, sandy patterned solar collector glass has high transmittance of light
- Titanium coated absorber surface is made of aluminium
- Gross surface area: X-Series are 2,00 m² and XL series are 2.51 m²
- Provides safe working conditions up to 200°C and 10 bar
- ESSENTIAL BLACK X - XL collectors with their black anodized chassis present a stylish-image

Technical Data Sheet

Package Systems	ESSENTIAL BLACK X	ESSENTIAL BLACK XL
Gross Area	2,00 m ²	2,51 m ²
Clearing	1,87 m ²	2,34 m ²
Absorbing Surface Area	1,87 m ²	2,34 m ²
Absorbing Surface Type	Aluminum	Aluminum
Absorbing Surface Coating Type	Selective	Selective
Transmittence	95 %	95 %
Emission / Reflection	5 %	5 %
Chassis	Black Anodized Aluminum	Black Anodized Aluminum
Glass Type	Low-Iron, Tempered, Sandy Patterned Solar Glass	Low-Iron, Tempered, Sandy Patterned Solar Glass
Glass Thickness	4 mm	4 mm
Daylight Transmittence T _{d65}	91,6 %	91,6 %
Solar Energy Transmittance T _{sol}	90,5 %	90,5 %
Glass Seal	Vulcanized EPDM	Vulcanized EPDM
Isolation	RockWool (40 mm)	RockWool (40 mm)
Back Plate	Aluminum	Aluminum
Number of Riser Pipes	12	12
Riser Pipe Diameter Ø mm	10 mm	10 mm
Manifold Diameter Ø mm	18 mm (3/4")	18 mm (3/4")
Connection Type	Compression Fitting	Compression Fitting
Water Volume	1,8 liter	2,2 liter
Working Pressure	10 bar	10 bar
Test Pressure	15 bar	15 bar
Maximum Temperature	200 °C	200 °C
Stagnation Temperature	163 °C	163 °C
Length	1750 mm	2180 mm
Width	1150 mm	1150 mm
Height	80 mm	80 mm
Weight	41 kg	50 kg
Efficiency η_0	80,5 %	80,9 %

ESSENTIAL Series (X - XL)



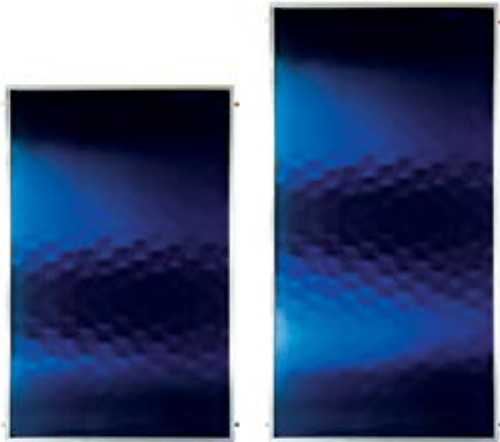
Technical Specifications

- Long-lasting with the reinforced chassis
- Resistant to shocks with aluminum back plate
- Laser welded pipes provides higher heat transfer
- Special 40 mm thick rockwool insulation prevents heat loss
- 4 mm thick, sandy patterned solar collector glass has high transmittance of light
- Titanium coated absorber surface is made of aluminium
- Gross surface area: X-Series are 2,00 m² and XL series are 2.51 m²
- Provides safe working conditions up to 200°C and 10 bar
- ESSENTIAL X - XL collectors with their grey aluminum chassis present a stylish-image

Technical Data Sheet

Package Systems	ESSENTIAL X	ESSENTIAL XL
Gross Area	2,00 m ²	2,51 m ²
Clearing	1,87 m ²	2,34 m ²
Absorbing Surface Area	1,87 m ²	2,34 m ²
Absorbing Surface Type	Aluminum	Aluminum
Absorbing Surface Coating Type	Selective	Selective
Transmittance	95 %	95 %
Emission / Reflection	5 %	5 %
Chassis	Aluminum	Aluminum
Glass Type	Low-Iron, Tempered, Sandy Patterned Solar Glass	Low-Iron, Tempered, Sandy Patterned Solar Glass
Glass Thickness	4 mm	4 mm
Daylight Transmittance Td65	91.6 %	91,6 %
Solar Energy Transmittance Tsol	90,5 %	90,5 %
Glass Seal	Vulcanized EPDM	Vulcanized EPDM
Isolation	RockWool (40 mm)	RockWool (40 mm)
Back Plate	Aluminum	Aluminum
Number of Riser Pipes	12	12
Riser Pipe Diameter Ø mm	10 mm	10 mm
Manifold Diameter Ø mm	18 mm (3/4")	18 mm (3/4")
Connection Type	Compression Fitting	Compression Fitting
Water Volume	1,8 liter	2,2 liter
Working Pressure	10 bar	10 bar
Test Pressure	15 bar	15 bar
Maximum Temperature	200 °C	200 °C
Stagnation Temperature	163 °C	163 °C
Length	1750 mm	2180 mm
Width	1150 mm	1150 mm
Height	80 mm	80 mm
Weight	41 kg	50 kg
Efficiency η_{10}	80,5 %	80,9 %

APOLLO S Series (X - XL)



Technical Specifications

- Long-lasting with the reinforced chassis
- Resistant to shocks with galvanized back plate
- Laser welded pipes provides higher heat transfer
- Special 40 mm thick glasswool insulation prevents heat loss
- 4 mm thick, sandy patterned solar collector glass has high transmittance of light
- Titanium coated absorber surface is made of aluminium
- Gross surface area: X-Series are 2,00 m² and XL series are 2.51 m²
- Provides safe working conditions up to 200°C and 10 bar
- APOLLO S X - XL collectors with their grey aluminum chassis present a stylish-image

Technical Data Sheet

Package Systems	APOLLO S X	APOLLO S XL
Gross Area	2,00 m ²	2,51 m ²
Clearing	1,87 m ²	2,34 m ²
Absorbing Surface Area	1,87 m ²	2,34 m ²
Absorbing Surface Type	Aluminum	Aluminum
Absorbing Surface Coating Type	Selective	Selective
Transmittence	95 %	95 %
Emission / Reflection	5 %	5 %
Chassis	Aluminum	Aluminum
Glass Type	Low-Iron, Tempered, Sandy Patterned Solar Glass	Low-Iron, Tempered, Sandy Patterned Solar Glass
Glass Thickness	4 mm	4 mm
Glass Seal	Vulcanized EPDM	Vulcanized EPDM
Isolation	Glasswool (40 mm)	Glasswool (40 mm)
Back Plate	Galvanized	Galvanized
Number of Riser Pipes	10	10
Riser Pipe Diameter Ø mm	10 mm	10 mm
Manifold Diameter Ø mm	18 mm (3/4")	18 mm (3/4")
Connection Type	Compression Fitting	Compression Fitting
Water Volume	1,71 liter	2,04 liter
Working Pressure	10 bar	10 bar
Test Pressure	15 bar	15 bar
Maximum Temperature	200 °C	200 °C
Stagnation Temperature	200 °C	200 °C
Length	1750 mm	2180 mm
Width	1150 mm	1150 mm
Height	80 mm	80 mm
Weight	43 kg	53 kg
Efficiency η_0	76,7 %	77,5 %

APOLLO E Series (X - XL)



Technical Specifications

- Long-lasting with the reinforced chassis
- Resistant to shocks with galvanized back plate
- Laser welded pipes provides higher heat transfer
- Special 40 mm thick glasswool insulation prevents heat loss
- 3,2 mm thick, sandy patterned solar collector glass has high transmittance of light
- Titanium coated absorber surface is made of aluminium
- Gross surface area: X-Series are 1,98 m² and XL series are 2,47 m²
- Provides safe working conditions up to 200°C and 10 bar
- APOLLO E X - XL collectors with their grey aluminum chassis present a stylish-image

Technical Data Sheet

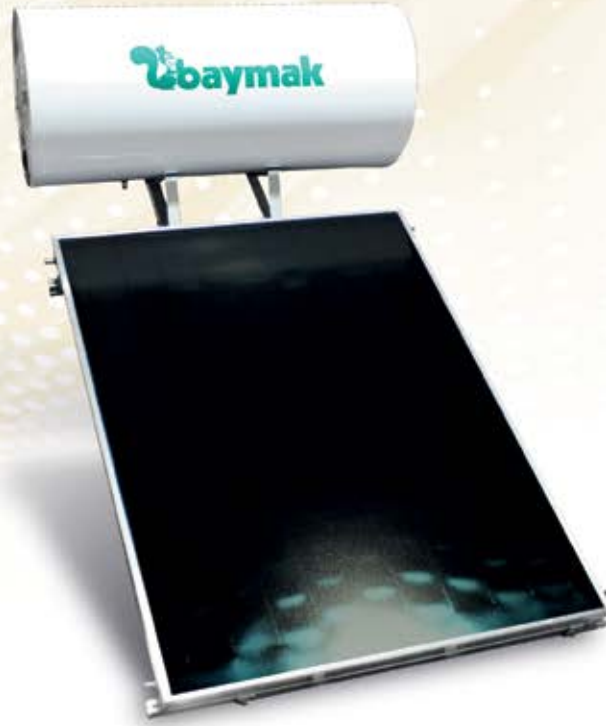
Package Systems	APOLLO E X	APOLLO E XL
Gross Area	1,98 m ²	2,47 m ²
Clearing	1,87 m ²	2,34 m ²
Absorbing Surface Area	1,87 m ²	2,34 m ²
Absorbing Surface Type	Aluminum	Aluminum
Absorbing Surface Coating Type	Selective	Selective
Transmittance	95 %	95 %
Emission / Reflection	5 %	5 %
Chassis	Aluminum	Aluminum
Glass Type	Low-Iron, Tempered, Sandy Patterned Solar Glass	Low-Iron, Tempered, Sandy Patterned Solar Glass
Glass Thickness	3,2 mm	3,2 mm
Glass Seal	Vulcanized EPDM	Vulcanized EPDM
Isolation	Glasswool (40 mm)	Glasswool (40 mm)
Back Plate	Galvanized	Galvanized
Number of Riser Pipes	10	10
Riser Pipe Diameter Ø mm	8 mm	8 mm
Manifold Diameter Ø mm	18 mm (3/4")	18 mm (3/4")
Connection Type	Compression Fitting	Compression Fitting
Water Volume	1,15 liter	1,30 liter
Working Pressure	10 bar	10 bar
Test Pressure	15 bar	15 bar
Maximum Temperature	200 °C	200 °C
Stagnation Temperature	179 °C	197 °C
Length	1740 mm	2170 mm
Width	1140 mm	1140 mm
Height	75 mm	75 mm
Weight	32 kg	40 kg



SOLAR ENERGY SYSTEMS

Solar Thermal Package Systems

BAYMAK AQUA ELEGANT Solar Thermosiphon Systems



- Constant circulation
- Non-pressure tank, pressured hygienic domestic water
- Long-lasting usage with strengthened stainless steel 316L flex pipe
- Light solar tank and easy installation
- Solar collectors with high performance and long-lasting features
- With Baymak high quality and assurance standards



Technical Data Sheet

	Elegant 120	Elegant 170	Elegant 200	Elegant 300
Capacity	120 L/day	170 L/day	200 L/day	300 L/day
Heat Exchanger	Stainless Steel (316 L) Flex Hose	Stainless Steel (316 L) Flex Hose	Stainless Steel (316 L) Flex Hose	Stainless Steel (316 L) Flex Hose
Insulation	Polyurethane 50mm (40kg/m ³)	Polyurethane 50mm (40kg/m ³)	Polyurethane 50mm (40kg/m ³)	Polyurethane 50mm (40kg/m ³)
Casing Material	Galvanized Steel with Electrostatic Powder Paint	Galvanized Steel with Electrostatic Powder Paint	Galvanized Steel with Electrostatic Powder Paint	Galvanized Steel with Electrostatic Powder Paint
Tank Material	ST 37	ST 37	ST 37	ST 37
Tank Dimensions	Ø560 x 950 mm	Ø560 x 950 mm	Ø560 x 1200 mm	Ø560 x 1750 mm
Solar Collector	1 pc 2.0 m ²	1 pc 2.0 m ² or 2.5m ²	2 pcs 2.0 m ² or 2.5m ²	2 pcs 2.0 m ² or 2.5m ²
Absorption Surface	Al or Cu Selective	Al or Cu Selective	Al or Cu Selective	Al or Cu Selective
Glazing	Low Ironed Tempered Glass	Low Ironed Tempered Glass	Low Ironed Tempered Glass	Low Ironed Tempered Glass
Pipe Material	Cu	Cu	Cu	Cu
Welding Method	Laser	Laser	Laser	Laser
Sealing	EDPM-Silicone	EDPM-Silicone	EDPM-Silicone	EDPM-Silicone
Heating Element	Optional	Optional	Optional	Optional

AQUASOLAR Series Package Systems



- Feature of maintaining the hot water with its 160, 200, 300-liter tanks
- Economic with natural draft system
- Easy to install by means of compact systems
- Safe with the use of closed expansion tank
- Hygiene in running water is provided with double-layer enameled inner tank
- Robust and durable with galvanized legs
- Provides ease of montage for installation
- Titanium coated copper / aluminum absorber plate solar collectors provides higher heat transfer with the laser-welded pipes
- AquaSolar tanks have running water hygiene certificate (PZH)
- AquaSolar tanks are protected against corrosion with Mg Anode
- Has high intensity polyurethane insulated and reinforced plastics covers against UV rays
- Auxiliary electric heater can be connected with auxiliary heater sleeve coupling (optional)

Technical Specifications

Your home meets up with hygienic, high quality and free hot water through Baymak Solar Power Package Systems with products that make life easier by supporting energy economy and being against expensive energy.

Comfortable hot water is obtained in an easy and practical way with Baymak solar power tanks and mounting chassis, and the visual pollution of the roofs comes to an end via Aquasolar Solar Energy Systems.

Aquasolar Solar Energy Systems have a sleeve coupling for electric auxiliary heater. Thus, even in cold regions, in mid seasons, electric auxiliary heater can be connected to produce more hot water. High efficient all Baymak Solar Collectors range can be used in Aquasolar SES, and comfortable hot water is provided by 160 l, 200 l and 300 l capacity and high-intensity polyurethane insulated tanks.

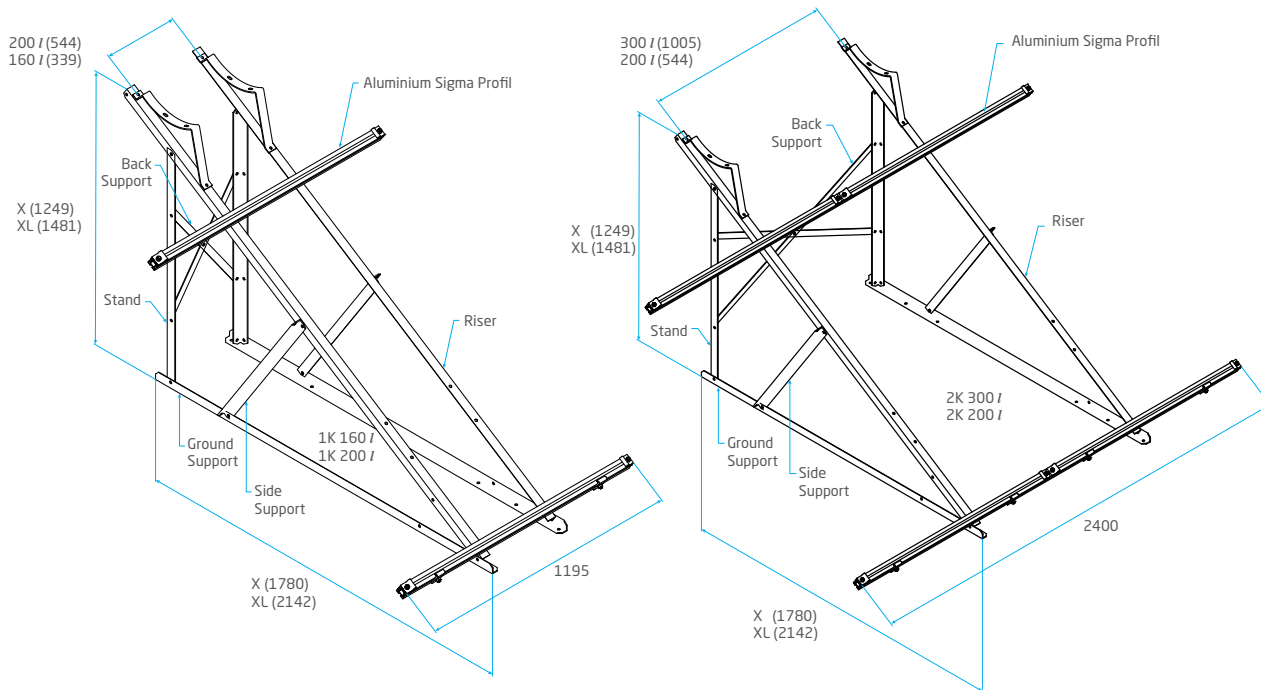


Baymak Aqua Solar Energy Tanks keep the water inside in a clean and hygienic way due to the tanks are titanium- doped enamel coated like other produced products. Aquasolar Series has an hygiene certificate (PZH) from international organizations that are accepted in all of the Europe. AQUASOLAR like all other Baymak hot water tanks is protected against corrosion through Magnesium alloy anodes. Thus, provides the comfort of consuming healthy hot water at any time with contentment.

Stylish new plastic covers, reinforced against UV rays, on the other hand provides ease of installation for the tanks. Baymak Aquasolar Series Solar Power Package Systems provide practicality, comfort and hygiene together.

Package System Contents

1- Collector / 2- Tank / 3- Chassis / 4- Hydraulic Fittings / 5- Tank Accessories / 6- Expansion Tank / 7- Solar Liquid



Technical Data Sheet

Package Systems	AQUASOLAR 1K 160 L	AQUASOLAR 1K 200 L	AQUASOLAR 2K 200 L	AQUASOLAR 2K 300 L
Tank Volume	160 l	200 l	200 l	300 l
Number of collectors	1 pc. (2/2,5m ²)	1 pc. (2,5m ²)	2 pc. (2/2,5m ²)	2 pc. (2/2,5m ²)
Collector Type	X/XL	XL	X/XL	X/XL
Tank Heat Transfer Area	1,0 m ²	1,3 m ²	1,3 m ²	2,15 m ²
Exterior Coating Material	Electrostatic Powder Coated Galvanized Steel	Electrostatic Powder Coated Galvanized Steel	Electrostatic Powder Coated Galvanized Steel	Electrostatic Powder Coated Galvanized Steel
Inner Tank Coating	Titanium Doped Enamel	Titanium Doped Enamel	Titanium Doped Enamel	Titanium Doped Enamel
Water Input-Output Connections	R 3/4"	R 3/4"	R 3/4"	R 3/4"
Collector Tank Connections	Rustproof Flex / Copper	Rustproof Flex / Copper	Rustproof Flex / Copper	Rustproof Flex / Copper
Optional Heater Connection	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"
Expansion Tank	7,5 l Membrane Closed Type	7,5 l Membrane Closed Type	7,5 l Membrane Closed Type	7,5 l Membrane Closed Type
Tank Isolation	Water-Based Polyurethane (40 gr/cm ³)	Water-Based Polyurethane (40 gr/cm ³)	Water-Based Polyurethane (40 gr/cm ³)	Water-Based Polyurethane (40 gr/cm ³)



Water Boosters - Pump Systems

Maximum Efficiency With the Minimum Energy

Pumps are the machines that provide energy for fluid which transfer mechanic energy taken from a drive motor into the fluid passing through the pump. On the other hand, water boosters are the systems used for the purpose of increasing water pressure and supplying water in cases where the running water or the water that we need is insufficient and under the desired pressure level. Baymak Water Boosters-Pump Group has a wide range of products and provides the best option to the consumers by ensuring maximum efficiency with minimum energy.



WATER BOOSTERS – PUMP SYSTEMS

- E.SYBOX SERIES ELECTRONIC FREQUENCY CONTROLLED WATER BOOSTERS
- E.SYBOX MINI SERIES ELECTRONIC FREQUENCY CONTROLLED WATER BOOSTERS
- KVC SERIES VERTICAL MULTI-STAGE WATER BOOSTERS
- JET SERIES PACKAGE WATER BOOSTERS
- PKM SERIES PERIPHERAL PUMP PACKAGE WATER BOOSTERS
- AQUA PRES CENTRIFUGAL WATER BOOSTERS
- INDUSTRIAL TYPE WATER BOOSTERS
- EVOSTA SERIES CIRCULATION PUMPS
- EVOTRON SERIES FREQUENCY CONVERTOR CIRCULATION PUMPS
- EVOPLUS SERIES FREQUENCY CONVERTOR SMALL-SIZE INDUSTRIAL CIRCULATION PUMPS
- EVOPLUS SERIES FREQUENCY CONVERTOR INDUSTRIAL CIRCULATION PUMPS
- ALM - ALP SERIES IN-LINE DRY ROTOR CIRCULATION PUMPS
- KLM-KLP & DKLM-DKLP SERIES IN-LINE DRY ROTOR CIRCULATION PUMPS
- CM SERIES IN-LINE DRY ROTOR CIRCULATION PUMPS
- CP SERIES IN-LINE DRY ROTOR CIRCULATION PUMPS
- KLME-DKLME SERIES FREQUENCY CONVERTOR IN-LINE DRY ROTOR CIRCULATION PUMPS
- CPE / CP-GE / DCPE SERIES FREQUENCY CONVERTOR IN-LINE DRY ROTOR CIRCULATION PUMPS
- DOMESTIC SUBMERSIBLE WASTE WATER PUMPS (NOVA - FEKA)
- CESSPIT SUBMERSIBLE WASTE WATER PUMPS (FEKA VS)
- INDUSTRIAL TYPE SUBMERSIBLE WASTE WATER PUMPS (DRENAG - GRINDER - FEKA)
- GENIX (AUTOMATIC WASTE WATER COLLECTION AND TRANSFER UNIT)
- IDEA SERIES DEEP WELL SUBMERSIBLE PUMPS
- KESON SERIES DEEP WELL SUBMERSIBLE PUMPS



WATER BOOSTERS - PUMP SYSTEMS

Water Booster Systems

E.SYBOX Series

Electronic Frequency Controlled Water Boosters



- E.sybox is the world's most advanced ergonomic system in the field of water boosters for residential use
- Operates at maximum efficiency with minimum energy consumption
- Ergonomic technology
- As-quiet-as whisper 45 dB
- At least 30% of space-saving compared to the old-style water boosters
- Connection to the installation both horizontally and vertically
- Does not require any additional product with its compact structure
- Easy to install and use
- Activates according to water needs by means of inverter technology

Technical Specifications

E.sybox has won the IF 2013 design award which is recognized throughout the world. E.sybox is a new integrated system in water pressurizing systems used by DAB in residential and building applications. No attachment is required for the installation of E.sybox. Because a self-priming multi-stage pump, electronics for controlling and management, pressure and flow sensors, high-resolution divertible LCD screen and 2 l expansion tank are already available inside it.

Efficient: Thanks to the inverter technology, E.sybox uses energy according to the water needs. Thus, provides a significant saving by preventing excess usage.

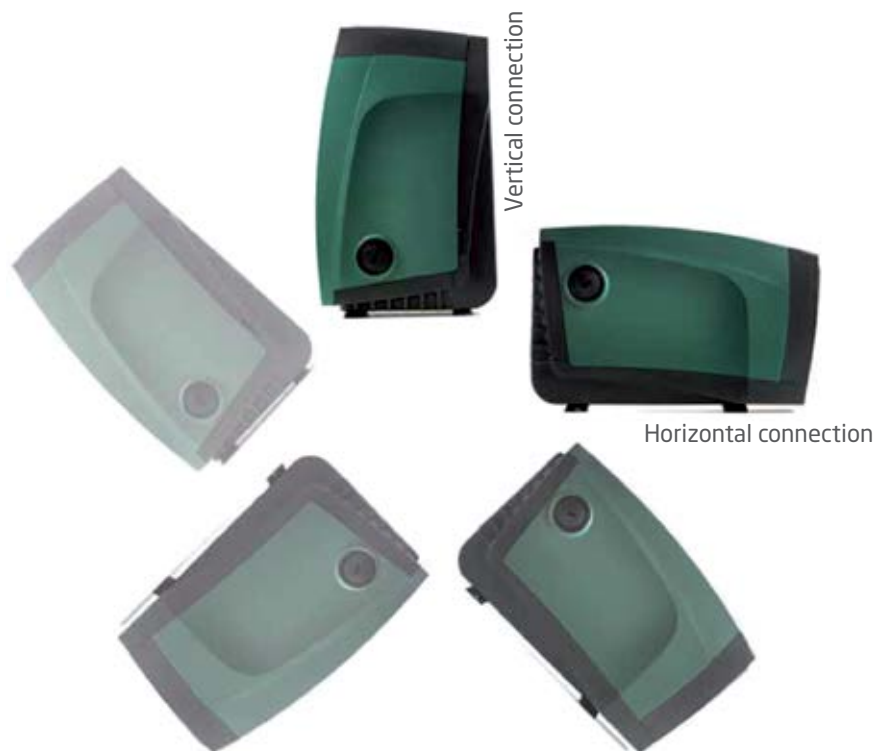
Versatile: It can be connected to the installation, both horizontally and vertically in line with the requirements.

Quiet: It can decrease vibrations to the minimum level. The standard use is as silent as whisper.

Compact: Provides at least 30% reduction in size compared with any other recent system.

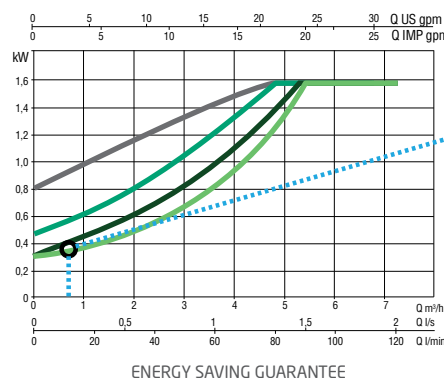
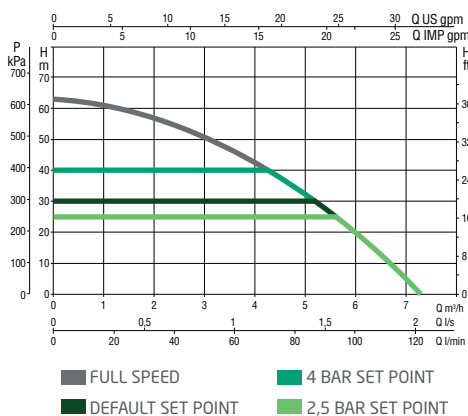
Easy Installation and Use: Thanks to the design of technical features, it is very easy to maintain and use.

Wireless Connection: Wireless connection option is available to be able to remote control the water booster settings.



Technical Data Sheets

Electrical Specifications					Hydraulic Specifications													Connection	Connection	Weight
Voltage	P1 Max.	In	Q=m³/h		0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4	6	6,6	7,2	Suction	Discharge	kg
50 - 60 Hz	kW	HP	Q=l/min		0	10	20	30	40	50	60	70	80	90	100	110	120			
1x220-240V~	1,55	2,1	9,8	H (m)	62	61	60	57	55	51	46	40	33	26	17	9	0	1"	1"	27



ENERGY SAVING GUARANTEE

E.SYBOX MINI Series

Electronic Frequency Controlled Water Boosters



E.sybox mini is the ideal solution for single living area.

It is optimised under the conditions of up to 30 l/min flow and between 2.5-3.0 bar pressure and energy saving is increased to maximum level. (factory set-up pressure is 3.0 bar)



COMFORTABLE

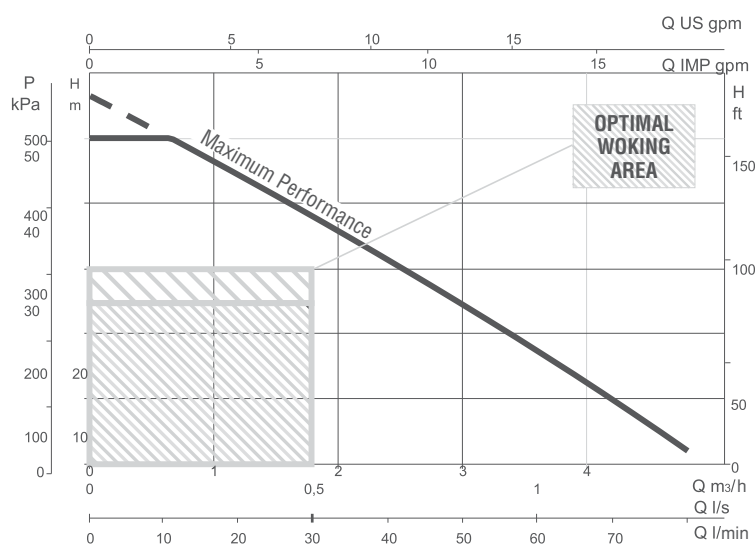
- Regular water pressure guarantee
- Less Noise
- Vibration-free
- Reduced energy consumption

MULTI - DIRECTIONAL

- Horizontal and Vertical assembly possibility
- Thanks to E.sywall, wall-mounting possibility
- Compact Dimensions
- Wireless Technology

MORE SIMPLE

- Easy installation
- Easy set-up
- Widescreen
- Easy maintenance



P1 Max
850 W

Dimensions (mm)
439x263x236

Self-priming at maximum 3 minutes:
8 m.

Recommended Installation Location

Apartment at 3rd floor and has 8 open taps.



KVC Series

Vertical Multi-Stage Water Boosters

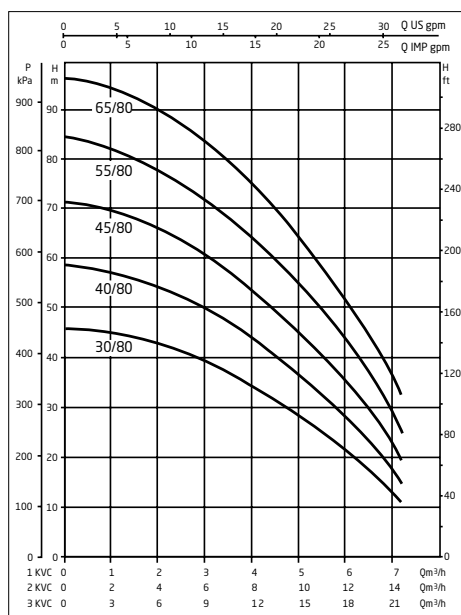


- Classified under high efficiency super silent vertical type multi-stage original DAB brand pumps.
- Water booster is ready to install as a complete package with the balance tank with appropriate volume, the connection kit and the protection control panel provided together.
- Can be produced as 1, 2 or 3 pumps according to the demand.
- Thanks to the specially designed pumps, suction and Discharge orifices are located on the same line in opposite directions. Thus, the installation of the water boosters is intended to be performed in a very easy way.
- All models are supplied with electrical protection and control panel device.
- The models in appropriate capacity can be converted into fire boosters by adding weekly programmable test equipment (optional).
- Frequency converter control panels are developed for the control and automation of models with 1 and 3 pumps, these are electric panels in which frequency converter unit is integrated to their structure (Optional).

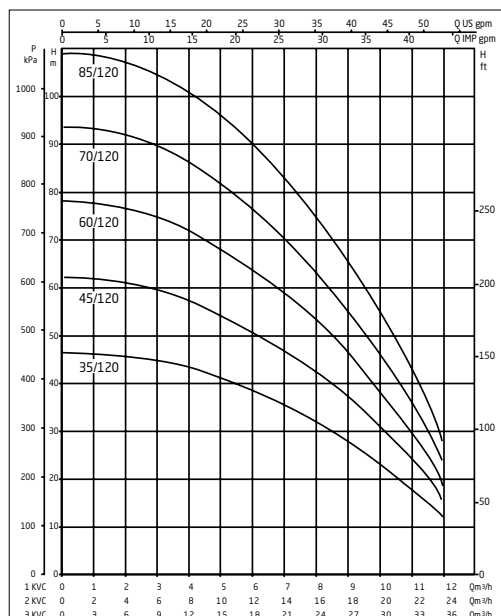
Technical Specifications

Mechanical Seal	: Carbon / Ceramic
Impeller Material	: Techno-polymer
Pump Body	: AISI 304 Stainless Steel
Suction Orifice	: Techno-polymer
Pump Shaft	: AISI 303 Stainless Steel
Protection Level	: IP 55
Insulation Class	: F
Max. Fluid Temperature	: + 40°C
Max. Operating Pressure	: 12 Bar
Max. Room Temperature	: + 40°C

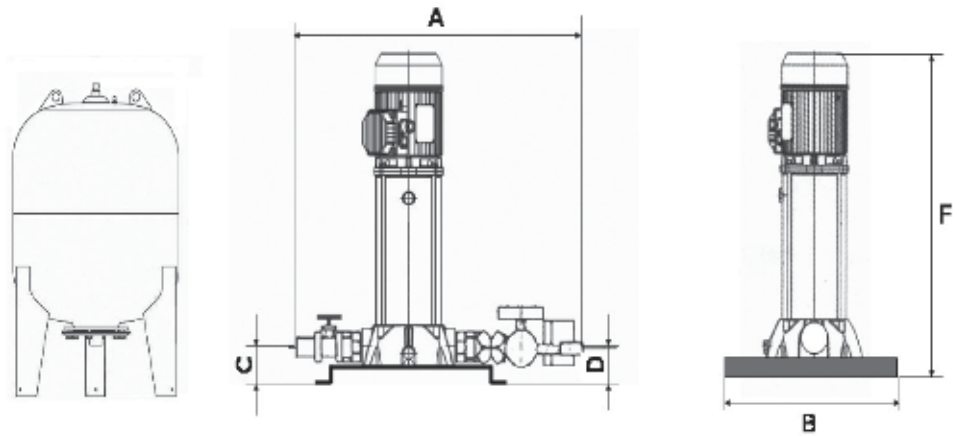
KVC 80 SERIES



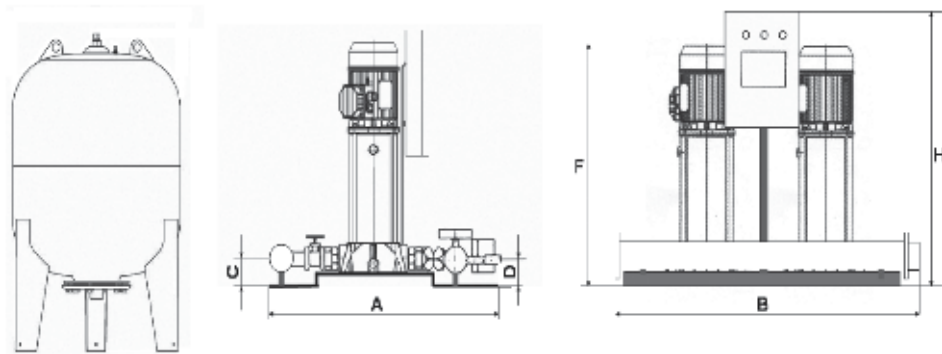
KVC 120 SERIES



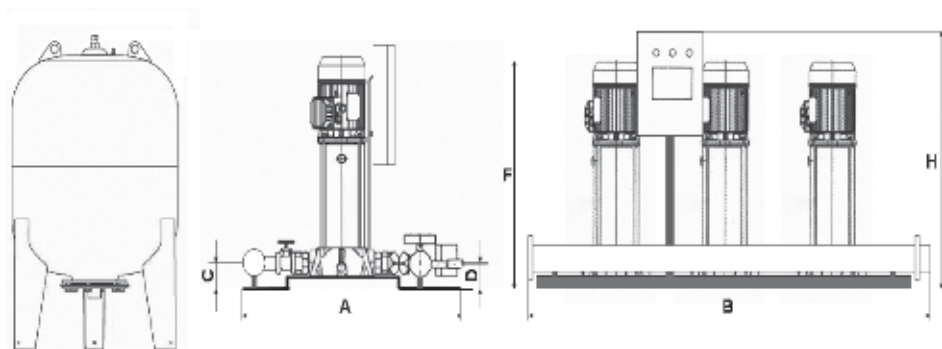
Models With 1 Pump



Models With 2 Pump



Models With 3 Pump



Technical Data Sheets

WATER BOOSTER MODEL	VOLTAGE 50 Hz	POWER		CURRENT A	CAPACITY l/h	Pressure Range (bar)	CONNECTION		Dimensions (mm)						Balance Tank (l)	Connection Kit (inch)	Weight (kg)
		HP	kW				Suction (inch)	Discharge (inch)	A	B	C	D	F	H			
MODELS WITH 1 PUMP																	
1KVC 30/80 M	220 V	1.1	0.8	5.6	5.000-3.000	2.8-4	1 1/4	1 1/4	425	274	100	100	572	-	100	1	20
1KVC 30/80 T	380 V	1.1	0.8	3.8-2.2	5.000-3.000	2.8-4	1 1/4	1 1/4	425	274	100	100	572	-	100	1	20
1KVC 40/80 M	220 V	1.36	1	6.5	5.000-3.000	3.7-5	1 1/4	1 1/4	425	274	100	100	572	-	100	1	21
1KVC 40/80 T	380 V	1.36	1	4.4-2.6	5.000-3.000	3.7-5	1 1/4	1 1/4	425	274	100	100	572	-	100	1	21
1KVC 45/80 M	220 V	1.5	1.1	7.4	5.000-3.000	4.5-6	1 1/4	1 1/4	425	274	100	100	667	-	100	1	24
1KVC 45/80 T	380 V	1.5	1.1	5.4-3.1	5.000-3.000	4.5-6	1 1/4	1 1/4	425	274	100	100	667	-	100	1	24
1KVC 55/80 M	220 V	2	1.5	9	5.000-3.200	5.5-7	1 1/4	1 1/4	425	274	100	100	667	-	100	1	24
1KVC 55/80 T	380 V	2	1.5	6.2-3.6	5.000-3.200	5.5-7	1 1/4	1 1/4	425	274	100	100	677	-	100	1	24
1KVC 65/80 T	380 V	3	2.2	6.9-4	5.000-3.400	6.5-8	1 1/4	1 1/4	425	274	100	100	694	-	100	1	26
1KVC 35/120 M	220 V	1.5	1	7.4	9.000-3.000	2.8-4.5	1 1/4	1 1/4	425	274	100	100	519	-	100	1	25
1KVC 35/120 T	380 V	1.5	1	5.4-3.1	9.000-3.000	2.8-4.5	1 1/4	1 1/4	425	274	100	100	519	-	100	1	25
1KVC 45/120 T	380 V	2.5	1.8	6.9-4	8.400-2.500	4-6	1 1/4	1 1/4	425	274	100	100	579	-	100	1	25
1KVC 60/120 T	380 V	3	2.2	7.6-4.5	8.400-4.500	5-7	1 1/4	1 1/4	425	274	100	100	659	-	100	1	26
1KVC 70/120 T	380 V	4	3	11.8-6.8	8.400-5.000	6-8	1 1/4	1 1/4	425	274	100	100	741	-	100	1	29
1KVC 85/120 T	380 V	4	3	13.5-7.8	8.200-4.000	8-10	1 1/4	1 1/4	425	274	100	100	741	-	200	2	30
MODELS WITH 2 PUMP																	
2KVC 30/80 M	220 V	2x1.1	2x0.8	2x5.6	10.000-6.000	2.8-4	DN 50	DN 40	815	715	100	100	572	815	100	1 1/2	77
2KVC 30/80 T	380 V	2x1.1	2x0.8	2x3.8-2.2	10.000-6.000	2.8-4	DN 50	DN 40	815	715	100	100	572	815	100	1 1/2	77
2KVC 40/80 M	220 V	2x1.36	2x1	2x6.5	10.000-6.000	3.7-5	DN 50	DN 40	815	715	100	100	572	815	100	1 1/2	80
2KVC 40/80 T	380 V	2x1.36	2x1	2x4.4-2.6	10.000-6.000	3.7-5	DN 50	DN 40	815	715	100	100	572	815	100	1 1/2	80
2KVC 45/80 M	220 V	2x1.5	2x1.1	2x7.4	10.000-6.000	4.5-6	DN 50	DN 40	815	715	100	100	667	815	200	1 1/2	86
2KVC 45/80 T	380 V	2x1.5	2x1.1	2x5.4-3.1	10.000-6.000	4.5-6	DN 50	DN 40	815	715	100	100	667	815	200	1 1/2	86
2KVC 55/80 M	220 V	2x2	2x1.5	2x9	10.000-6.400	5.5-7	DN 50	DN 40	815	715	100	100	667	815	200	1 1/2	86
2KVC 55/80 T	380 V	2x2	2x1.5	2x6.2-3.6	10.000-6.400	5.5-7	DN 50	DN 40	815	715	100	100	667	815	200	1 1/2	86
2KVC 65/80 T	380 V	2x3	2x2.2	2x6.9-4	10.000-6.800	6.5-8	DN 50	DN 40	815	715	100	100	694	815	200	1 1/2	89
2KVC 35/120 M	220 V	2x1.5	2x1	2x7.4	18.000-6.000	2.8-4.5	DN 65	DN 50	815	715	100	100	519	815	200	1 1/2	89
2KVC 35/120 T	380 V	2x1.5	2x1	2x5.4-3.1	18.000-6.000	2.8-5.5	DN 65	DN 50	815	715	100	100	519	815	200	1 1/2	89
2KVC 45/120 T	380 V	2x2.5	2x1.8	2x6.9-4	16.800-5.000	4-6	DN 65	DN 50	815	715	100	100	579	815	200	1 1/2	90
2KVC 60/120 T	380 V	2x3	2x2.2	2x7.6-4.5	16.800-9.000	5-7	DN 65	DN 50	815	715	100	100	659	815	200	1 1/2	92
2KVC 70/120 T	380 V	2x4	2x3	2x11.8-6.8	16.800-10.000	6-8	DN 65	DN 50	815	715	100	100	741	815	200	1 1/2	97
2KVC 85/120 T	380 V	2x4	2x3	2x13.5-7.8	16.400-8.000	8-10	DN 65	DN 50	815	715	100	100	741	815	200	1 1/2	99
MODELS WITH 3 PUMP																	
3KVC 55/80 M	220 V	3x2	3x1.5	3x9	15.000-9.600	5.5-7	DN 65	DN 50	815	1090	100	100	667	815	200	1 1/2	127
3KVC 55/80 T	380 V	3x2	3x1.5	3x6.2-3.6	15.000-9.600	5.5-7	DN 65	DN 50	815	1090	100	100	667	815	200	1 1/2	127
3KVC 65/80 T	380 V	3x3	3x2.2	3x6.9-4	15.000-10.200	6.5-8	DN 65	DN 50	815	1090	100	100	694	815	200	1 1/2	133
3KVC 60/120 T	380 V	3x3	3x2.2	3x7.6-4.5	25.200-13.500	5-7	DN 80	DN 65	815	1090	100	100	659	815	200	1 1/2	138
3KVC 85/120 T	380 V	3x4	3x3	3x13.5-7.8	24.600-12.000	8-10	DN 80	DN 65	815	1090	100	100	741	815	200	1 1/2	148

JET Series

Package Water Boosters



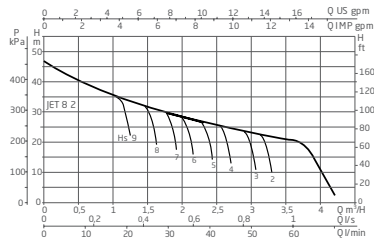
- Jet water boosters with original DAB pump are as complete package that can make suction up to a depth of 8 meters
- Quiet and high performance with its excellent designed pump
- Maintenance-free
- Ready to use as complete package
- 20 l or 50 l capacity tank is noncorrosive due to being oven-dry painted and not to come into contact with water
- Jet 82 and Jet 102; 20 l models have a flexible short tube connection, they take a small place and economical
- Jet 82 - 102 - 112 mono-phase versions are delivered with 1 meter plug-in cable.
- Three-phase models should be protected with an appropriate board

Technical Specifications

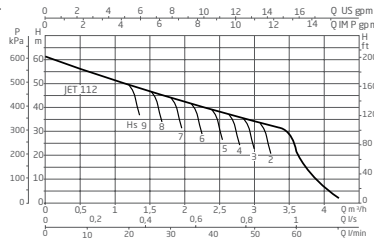
Mechanical Seal	: Carbon / Ceramic
Impeller Material	: Techno-polymer
Pump Body	: Cast-iron
Pump Shaft	: Stainless Steel
Venturi, Diffuser	: Techno-polymer
Protection Level	: IP 44 (IP 55 for terminal box)
Insulation Class	: F
Maximum Fluid Temperature	: +40 °C
Maximum Operating Pressure	: 6 bar (8 bar for Jet 151-251)
Maximum Ambient Temperature	: +40 °C

Technical Specifications

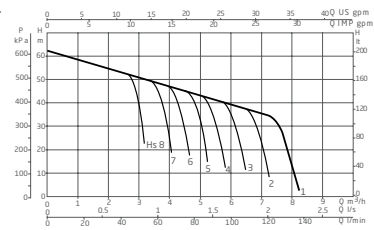
JET 82 M



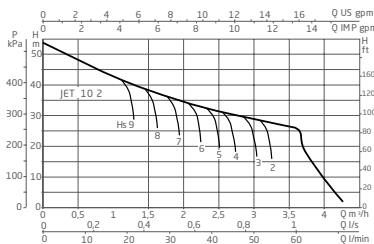
JET 112 M-T



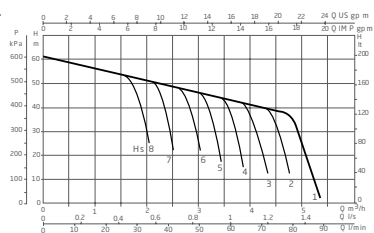
JET 251 M-T



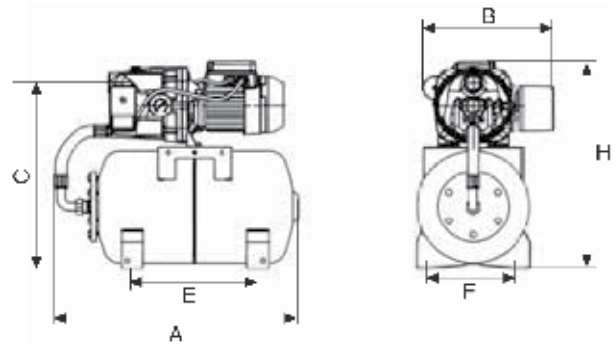
JET 102 M



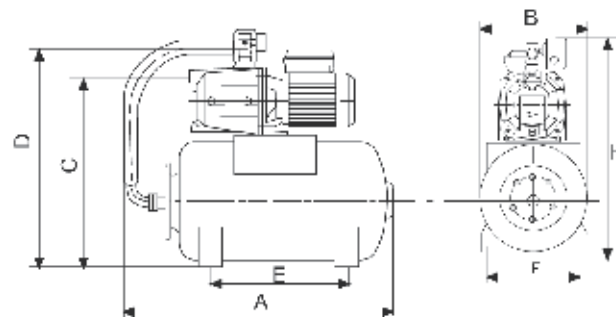
JET 151 M-T



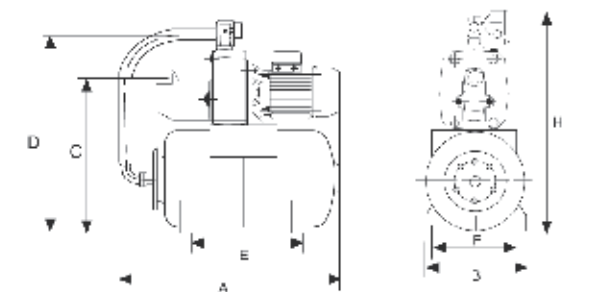
JET 82 - 102



JET 112



JET 151 - 251



Technical Data Sheets

WATER BOOSTER MODEL	VOLTAGE 50 Hz	POWER		CURRENT A	CAPACITY l/h	Pressure Range (bar)	CONNECTION		Ball Volume (l)	Dimensions (mm)							Weight (kg)
		HP	kW				Suction (inch)	Discharge (inch)		A	B	C	D	E	F	H	
JET 82 M	220 V	0,8	0,59	3,55	3600-1200	2-3,5	1	1	20 50	560 650	290 430	425 630	510 720	250 190	245 405	560 760	21 28
JET 102 M	220 V	1	0,75	4,87	3600-1200	2,5-4	1	1	20 50	560 650	293 430	425 630	510 720	250 190	245 405	560 760	23 30
JET 112 M	220 V	1,36	1	6,2	2800-1200	3,5-5	1	1	20 50	560 650	270 430	425 630	510 720	250 190	245 405	560 760	24 31
JET 112 T	380 V	1,36	1	4,3-2,5	2800-1200	3,5-5	1	1	50	650	430	630	720	190	405	760	31
JET 151 M	220 V	1,5	1,1	7,8	4200-2500	3-5	1 1/4	1	50	650	430	630	720	190	405	830	47
JET 151 T	380 V	1,5	1,1	5,2-3	4200-2500	3-5	1 1/4	1	50	650	430	630	720	190	405	830	47
JET 251 M	220 V	2,5	1,85	10	7200-3900	3,7-5	1 1/4	1	50	650	430	630	720	190	405	830	51
JET 251 T	380 V	2,5	1,85	6,9-4	7200-3900	3,7-5	1 1/4	1	50	650	430	630	720	190	405	830	50

PKM Series

Peripheral Pump Package Water Boosters

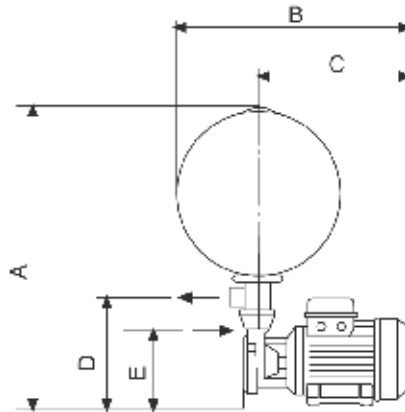
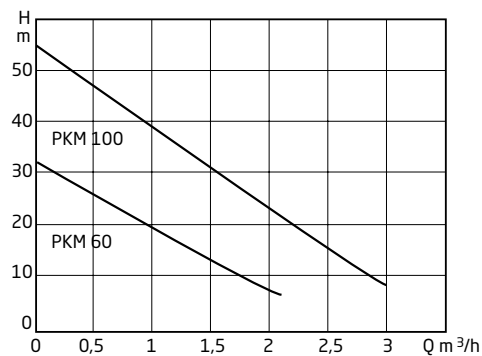


- Water boosters with original DAB pump are ready to use as complete package
- Pump cover and pump impeller are made of brass
- 20 l or 50 l capacity tank is noncorrosive due to being oven-dry painted and not to come into contact with water
- Takes a small place and economical

Technical Specifications

Mechanical Seal	: Carbon / Ceramic
Impeller Material	: Brass
Pump Body	: Brass / Cast-iron
Pump Shaft	: Stainless Steel
Protection Level	: IP 44
Insulation Class	: F
Maximum Fluid Temperature	: +50 °C
Maximum Operating Pressure	: 6 bar
Maximum Ambient Temperature	: +40 °C

Performans Curves



Technical Data Sheets

WATER BOOSTER MODEL	VOLTAGE 50 Hz	POWER		CURRENT A	CAPACITY l/h	Pressure Range (bar)	CONNECTION		Dimensions (mm)					Ball Volume (l)	Weight (kg)
		HP	kW				Suction (inch)	Discharge (inch)	A	B	C	D	E		
PKM 60	220 V	0,4	0,3	2,2	1400 - 600	1,5 - 2,5	1	1	635	415	235	190	105	20	13
PKM 100	220 V	0,8	0,6	3,7	2200 - 1000	2,5 - 4	1	1	670	470	290	208	80	20	18

AQUA PRES Series

Centrifugal Water Boosters



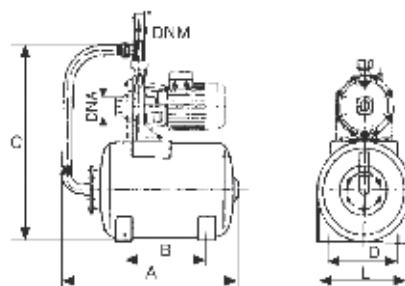
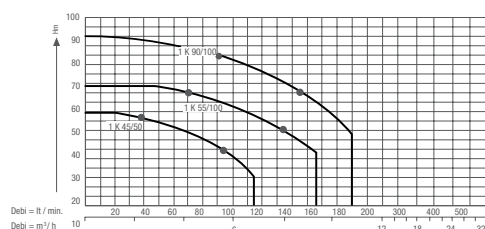
- Water Booster is ready to install as a complete package with the balance tank with appropriate volume, the flexible connection kit and the protection control panel provided together.
- Classified under reverse flow system dual-stage horizontal centrifugal pumps, maintenance-free
- Can be produced as 1, 2 or 3 pumps according to the demand. Balance tank is mounted under pump in the single pump models. Balance tank is individually provided with the device for the groups with 2 and 3 pumps.
- All models are supplied with electrical protection and control panel device.
- The models in appropriate capacity can be converted into fire boosters by adding weekly programmable test equipment.
- Original DAB pumps are used in K45/50, K55/100 and K90/100 hydrophore models.
- Frequency converter control panels are developed for the control and automation of models with 1 and 3 pumps, these are electric panels in which frequency converter unit is integrated to their structure (Optional).

Technical Specifications

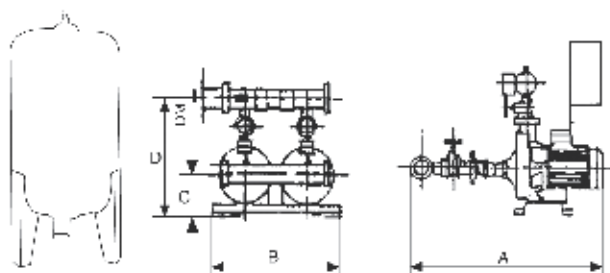
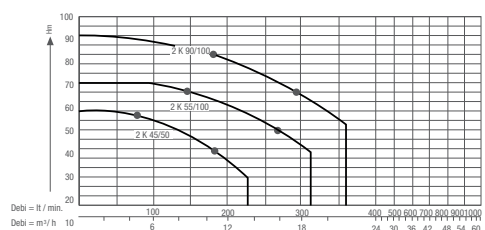
Mechanical Seal : Carbon / Ceramic
Impeller Material : Techno-polymer
Pump Body : Cast-iron
Suction and Discharge : Cast-iron
Pump Shaft : Stainless Steel

Protection Level : IP 44
Insulation Class : F
Maximum Fluid Temperature : +50 °C (110 °C for K 90/100)
Maximum Operating Pressure : 6 bar
Maximum Ambient Temperature : +40 °C

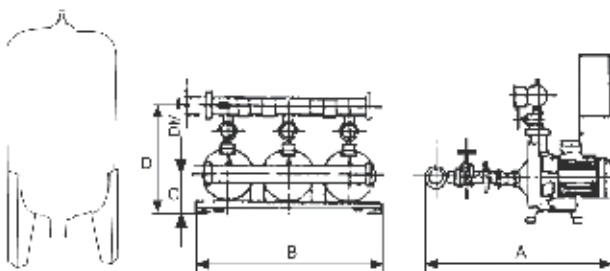
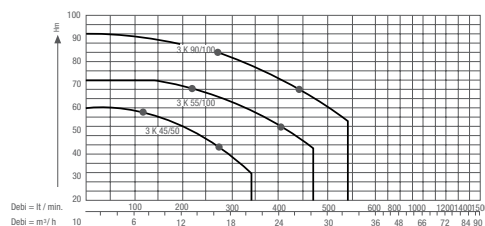
MODELS WITH 1 PUMP



MODELS WITH 2 PUMP



MODELS WITH 3 PUMP



Technical Data Sheets

WATER BOOSTER MODEL	VOLTAGE 50 Hz	POWER		CURRENT A	CAPACITY l/h	Pressure Range (bar)	CONNECTION		Dimensions (mm)						Balance Tank (l)	Connection Kit (inch)	Weight (kg)
		HP	kW				Suction (inch)	Discharge (inch)	A	B	C	D	H	L			
1 K 45/50M	220 V	1,5	1,1	12,2	5600-2250	2,9-4,6	1 1/4	1	530	225	770	270	-	S-50	440	1	25
1 K 45/50T	380 V	1,5	1,1	3,4	5600-2250	2,9-4,6	1 1/4	1	530	225	770	270	-	S-50	440	1	25
1 K 55/100T	380 V	3	2,2	6,6	8100-4200	4-6	1 1/2	1 1/2	900	625	840	270	-	S-80	440	1	41
1 K 90/100T	380 V	5,5	4	9,5	8800-5400	6-8	1 1/2	1 1/2	980	705	870	300	-	S-100	470	1	43
2 K 45/50T	380 V	2x1,5	2x1,1	2x3,4	11200-4500	2,9-4,6	2	1 1/2	710	790	155	455	825	S-100	850	1	73
2 K 55/100T	380 V	2x3	2x2,2	2x6,6	16200-8400	4-6	2 1/2	2	805	790	175	490	860	S-200	850	1 1/2	100
2 K 90/100T	380 V	2x5,5	2x4	2x9,5	17600-10900	6-8	2 1/2	2	795	790	175	490	850	S-200	1040	1 1/2	114
3 K 55/100T	380 V	3x3	3x2,2	3x6,6	24300-12600	4-6	DN 80 PN 10	DN 65 PN 10	830	1185	175	495	850	S-200	1030	1 1/2	155
3 K 90/100T	380 V	3x5,5	3x4	3x9,5	26400-16200	6-8	DN 80 PN 10	DN 65 PN 10	823	1200	175	495	850	S-300	1240	1 1/2	190

INDUSTRIAL TYPE

Water Boosters



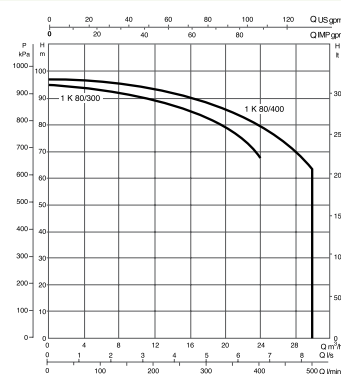
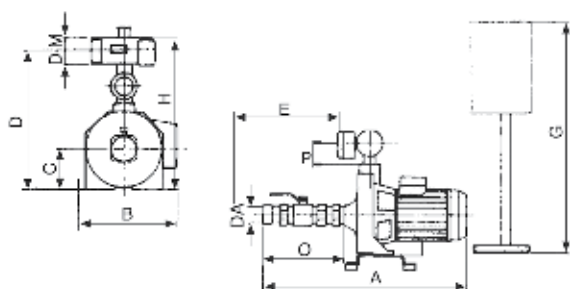
- Grouped under reverse flow system dual-stage horizontal centrifugal pumps. Maintenance-free
- This type of water boosters categorized by the original DAB pumps used for residential requirements, industrial plants and irrigation, can also be used as a fire booster.
- All models are supplied with electrical protection and control panel
- Appropriate capacity models can be converted into the fire booster by adding weekly programmable test device.
- Balance tank with desired volume and connection kit must be separately ordered with the hydrophore
- Can be produced as a jockey pump on demand.

Technical Specifications

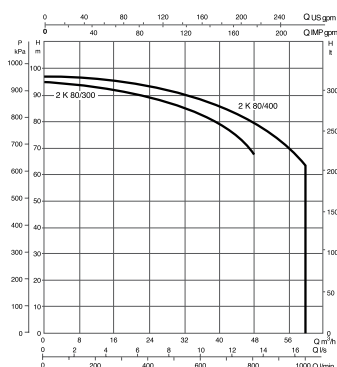
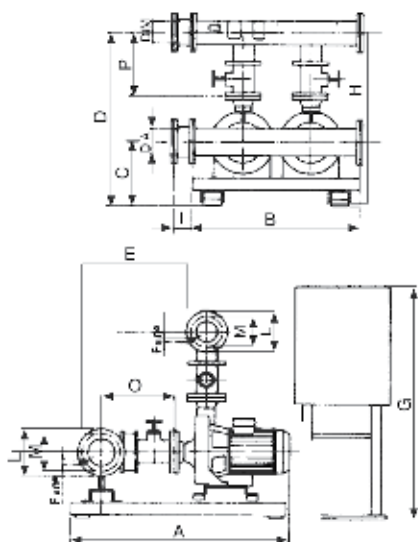
Mechanical Seal	: Carbon / Ceramic	Protection Level	: IP 44
Impeller Material	: Techno-polymer	Insulation Class	: F
Pump Body	: Cast-iron 200 UNI ISO 185	Maximum Fluid Temperature	: From -15 °C to +110 °C
Suction and Discharge	: Stainless Steel AISI 304 Ni 1810 UNI 6900/71	Maximum Operating Pressure	: 12 bar
Pump Shaft	: Stainless Steel	Maximum Ambient Temperature	: +40 °C

Technical Specifications

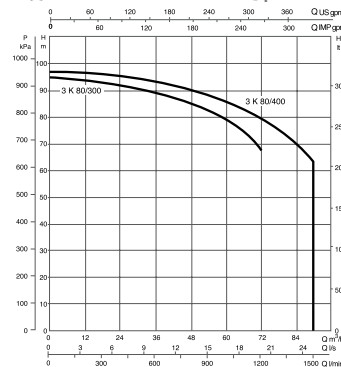
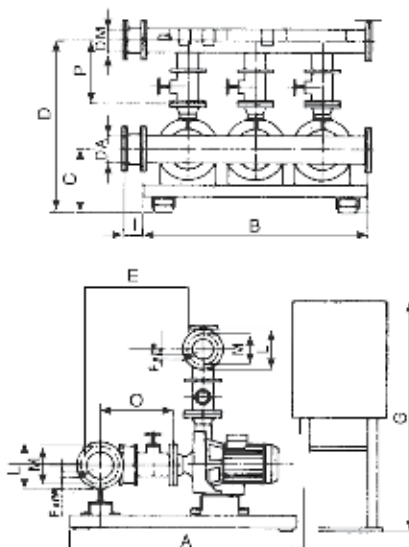
MODELS WITH 1 PUMP



MODELS WITH 2 PUMP



MODELS WITH 3 PUMP



Technical Data Sheets

WATER BOOSTER MODEL	VOLTAGE 50 Hz	POWER		CURRENT A	CAPACITY l/h	Pressure Range (bar)	CONNECTION		Dimensions (mm)														Recom- mended Balance Tank	Weight (kg)
		HP	kW				Suction (inch)	Discharge (inch)	A	B	C	D	E	G	H	O	P	I	L	M				
MODELS WITH 1 PUMP																								
1 K 80/300 T	380 V	10	7,5	17,3	24000-15000	6.5-8.5	2	2	890	530	250	610	400	1005	750	290	200	-	-	-	750	88		
1 K 80/400 T	380 V	15	11	20,6	28500-15000	6.8-9.2	2	2	930	530	250	610	400	1005	750	290	200	-	-	-	750	88		
MODELS WITH 2 PUMP																								
2 K 80/300 T	380 V	2x10	2x7,5	2x17,3	49000-30000	6.5-8.5	DN 80-PN 10	DN 80-PN 10	950	720	250	610	480	1005	750	380	260	130	200	160	750	207		
2 K 80/400 T	380 V	2x15	2x11	2x20,6	57000-30000	6.8-9.2	DN 80-PN 10	DN 80-PN 10	950	720	250	610	480	1005	750	380	260	130	200	160	1000	223		
MODELS WITH 3 PUMP																								
3 K 80/300 T	380 V	3x10	3x7,5	3x17,3	73800-45000	6.8-9.2	DN 100-PN 10	DN 100-PN 10	1000	1100	250	620	500	1005	750	400	280	135	220	180	1000	400		
3 K 80/400 T	380 V	3x15	3x11	3x20,6	85500-45000	6.8-9.2	DN 100-PN 10	DN 100-PN 10	1000	1100	250	620	500	1005	750	400	280	135	220	180	1000	424		





WATER BOOSTERS - PUMP SYSTEMS

Circulation Pumps

EVOSTA Series

Circulation Pumps



- Reduces high-pressure in the system
- Decreases noise and vibrations to the minimum level
- Extends life-span of the circulator considerably
- Provides energy saving at a higher level
- Compatible with Directive 2009/125/EC for ERP

Applications

- High-rise buildings
- In-house
- Schools
- Housing Estates
- Clinics and hospitals
- Office buildings

Technical Specifications

Standard Voltage	: 230 V
Frequency	: 50 / 60 Hz
Protection Level	: IP 44
Insulation Class	: F
Engine Power	: 44 Watt
Maximum Operating Pressure	: 10 bar (1000 kPa)
Fluid Temperature	: Between +2 °C and +95 °C range
Maximum Environment Temperature	: 40 °C
Fluid Characteristics	: Clean, solid particles and mineral oil-free, non-viscous, chemically neutral, proximal to water character (max. 30% glycol)

Technical Data Sheets

MODELS	DISTANCE BETWEEN FLANGES mm	ELECTRICAL VALUES			EEI ENERGY EFFICIENCY INDEX	HYDRAULIC VALUES						
		VOLTAGE 50 Hz	P1 MAX W	Ln A		Q=m³/h	0	0,6	1,2	1,8	2,4	3
EVOSTA 40-70/130 1/2	130	230 V	6 - 44	0,08 - 0,39	EEI ≤ 0,23	H (m)	6,88	5,5	4,42	3,35	2,41	1,17
EVOSTA 40-70/130	130	230 V	6 - 44	0,08 - 0,39	EEI ≤ 0,23		6,88	5,5	4,42	3,35	2,41	1,17
EVOSTA 40-70/180	180	230 V	6 - 44	0,08 - 0,39	EEI ≤ 0,23		6,88	5,5	4,42	3,35	2,41	1,17

EVOTRON Series

Frequency Convertor Circulation Pumps



- Reduces high-pressure in the system
- Decreases noise and vibrations to the minimum level
- Extends life-span of the circulator considerably
- Provides energy saving at a higher level
- Compatible with Directive 2009/125/EC for ERP

Applications

- High-rise buildings
- In-house
- Schools
- Housing Estates
- Clinics and hospitals
- Office buildings

Technical Specifications

Protection Level : IP 44

Insulation Class : F

Standard Voltage : 230 V - 50 / 60 Hz

Operating Range : 0,4 - 4.2 m³/h,
8 meters of Discharge height

Fluid Temperature : Between -10 °C and +110 °C range

Fluid Characteristics

: Clean, solid particles and mineral oil-free, non-viscous, chemically neutral, proximal to water character (max. 30% glycol)

Maximum Operating Pressure : 10 bar (1000 kPa)

Technical Data Sheets

MODELS	DISTANCE BETWEEN FLANGES mm	ELECTRICAL VALUES			EEI ENERGY EFFICIENCY INDEX	Q=m³/h	HYDRAULIC VALUES						
		VOLTAGE 50 hz	P1 MAX W	Ln A			0	0,6	1,2	1,8	2,4	3	4,2
EVOTRON 40/130	130	230 V	5 - 27	0,05 - 0,26	EEI ≤ 0,20	H (m)	4	3,2	2,3	1,7	1,1		
EVOTRON 40/130 (1/2)	130	230 V	5 - 27	0,05 - 0,26	EEI ≤ 0,20		4	3,2	2,3	1,7	1,1		
EVOTRON 40/180	180	230 V	5 - 27	0,05 - 0,26	EEI ≤ 0,19		4	3,2	2,3	1,7	1,1		
EVOTRON 40/180 X	180	230 V	5 - 27	0,05 - 0,26	EEI ≤ 0,19		4	3,2	2,3	1,7	1,1		
EVOTRON 60/130	130	230 V	5 - 43	0,05 - 0,40	EEI ≤ 0,23		6	5,6	4,5	3,5	2,6	1,8	
EVOTRON 60/130 (1/2)	130	230 V	5 - 43	0,05 - 0,40	EEI ≤ 0,23		6	5,6	4,5	3,5	2,6	1,8	
EVOTRON 60/180	180	230 V	5 - 43	0,05 - 0,40	EEI ≤ 0,23		6	5,6	4,5	3,5	2,6	1,8	
EVOTRON 60/180 X	180	230 V	5 - 43	0,05 - 0,40	EEI ≤ 0,23		6	5,6	4,5	3,5	2,6	1,8	
EVOTRON 80/130	130	230 V	5 - 66	0,05 - 0,60	EEI ≤ 0,25		8	7,8	6	4,8	3,9	3,1	1,6
EVOTRON 80/130 (1/2)	130	230 V	5 - 66	0,05 - 0,60	EEI ≤ 0,25		8	7,8	6	4,8	3,9	3,1	1,6
EVOTRON 80/180	180	230 V	5 - 66	0,05 - 0,60	EEI ≤ 0,25		8	7,8	6	4,8	3,9	3,1	1,6
EVOTRON 80/180 X	180	230 V	5 - 66	0,05 - 0,60	EEI ≤ 0,25		8	7,8	6	4,8	3,9	3,1	1,6

EVOPLUS Series

Frequency Converter Small-Size Industrial Circulation Pumps



- Reduces high-pressure in the system
- Decreases noise and vibrations to the minimum level
- Extends life-span of the circulator considerably
- Provides energy saving at a higher level
- Compatible with Directive 2009/125/EC for ERP

Uygulamalar

- High-rise buildings
- In-house
- Schools
- Housing Estates
- Clinics and hospitals
- Office buildings

Technical Specifications

Protection Level	: IP 44
Insulation Class	: F
Standard Voltage	: 220/240 V - 50 / 60 Hz
Operating Range	: 2 - 12 m ³ /h, 8 meters of Discharge height
Fluid Temperature	: Between -10 °C and +110 °C range
Fluid Characteristics	: Clean, solid particles and mineral oil-free, non-viscous, chemically neutral, proximal to water character (max. 30% glycol)
Maximum Operating Pressure	: 16 bar (1600 kPa)

Technical Data Sheets

MODELS	DISTANCE BETWEEN FLANGES mm	ELECTRICAL VALUES			EEI ENERGY EFFICIENCY INDEX	HYDRAULIC VALUES							
		VOLTAGE 50 Hz	P1 MAX W	Ln A		Q=m ³ /h	0	2,4	3	4,2	5,4	7,2	9,6
EVOPLUS 40/180 M	180	220/240 V	70	0,52	EEI ≤ 0,23	H (m)	4,2	4,2	4,2	3,3	2,5	1,3	
EVOPLUS 60/180 M	180	220/240 V	100	0,72	EEI ≤ 0,22		6,1	6,1	5,6	4,6	3,6	2,2	
EVOPLUS 80/180 M	180	220/240 V	135	0,95	EEI ≤ 0,22		8,2	8,2	7,3	6	4,9	3,3	
EVOPLUS 110/180 M	180	220/240 V	170	1,18	EEI ≤ 0,22		11,1	10,1	9,6	8,1	6,8	5	2,6
EVOPLUS 40/180 XM	180	220/240 V	70	0,51	EEI ≤ 0,21		4,1	4,1	4,2	3,3	2,5	1,3	
EVOPLUS 60/180 XM	180	220/240 V	100	0,71	EEI ≤ 0,21		6,1	6,1	5,6	4,6	3,6	2,2	
EVOPLUS 80/180 XM	180	220/240 V	135	0,93	EEI ≤ 0,21		8,1	8,1	7,3	6	4,9	3,3	
EVOPLUS 110/180 XM	180	220/240 V	170	1,18	EEI ≤ 0,21		11,3	10,2	9,6	8,1	6,8	5	2,6
EVOPLUS B 40/220.32 M	220	220/240 V	75	0,55	EEI ≤ 0,22		4,2	4,2	4,2	3,3	2,5	1,3	
EVOPLUS B 60/220.32 M	220	220/240 V	105	0,75	EEI ≤ 0,22		6,1	6,1	5,6	4,6	3,6	2,2	
EVOPLUS B 80/220.32 M	220	220/240 V	140	0,97	EEI ≤ 0,22		8	8	7,3	6	4,9	3,3	
EVOPLUS B 110/220.32 M	220	220/240 V	190	1,3	EEI ≤ 0,22		11,2	10,5	9,6	8,1	6,8	5	2,6
EVOPLUS B 40/250.40 M	250	220/240 V	75	0,55	EEI ≤ 0,21		4,2	4,2	4,2	3,3	2,5	1,3	
EVOPLUS B 60/250.40 M	250	220/240 V	105	0,75	EEI ≤ 0,21		6,1	6,1	5,6	4,6	3,6	2,2	
EVOPLUS B 80/250.40 M	250	220/240 V	140	0,97	EEI ≤ 0,21		8	8	7,3	6	4,9	3,3	
EVOPLUS B 110/250.40 M	250	220/240 V	190	1,3	EEI ≤ 0,21		11,2	10,5	9,6	8,1	6,8	5	2,6
EVOPLUS D 40/220.32 M	220	220/240 V	85	0,55	EEI ≤ 0,23		4	4	3,9	3,1	2,2	0,9	
EVOPLUS D 60/220.32 M	220	220/240 V	110	0,75	EEI ≤ 0,23		6	5,8	5,5	4,5	3,4	1,9	
EVOPLUS D 80/220.32 M	220	220/240 V	150	0,95	EEI ≤ 0,23		8	7,8	7,4	6,1	4,7	2,8	
EVOPLUS D 110/220.32 M	220	220/240 V	200	1,3	EEI ≤ 0,23		11	10,5	9,8	8,2	6,6	4,7	2
EVOPLUS D 40/250.40 M	250	220/240 V	75	0,55	EEI ≤ 0,22		4,2	4,2	4,2	3,3	2,5	1,3	
EVOPLUS D 60/250.40 M	250	220/240 V	100	0,75	EEI ≤ 0,22		6,1	6,1	5,6	4,6	3,6	2,2	
EVOPLUS D 80/250.40 M	250	220/240 V	135	0,95	EEI ≤ 0,22		8	8	7,3	6	4,9	3,3	
EVOPLUS D 110/250.40 M	250	220/240 V	190	1,3	EEI ≤ 0,22		11,2	10,5	9,6	8,1	6,8	5	2,6

EVOPLUS Series

Frequency Converter Industrial Circulation Pumps



- Reduces high-pressure in the system
- Decreases noise and vibrations to the minimum level
- Extends life-span of the circulator considerably
- Provides energy saving at a higher level
- Compatible with Directive 2009/125/EC for ERP

Applications

- High-rise buildings
- In-house
- Schools
- Housing Estates
- Clinics and hospitals
- Office buildings

Technical Specifications

Protection Level	: IP 44
Insulation Class	: F
Standard Voltage	: 220/240 V - 50 / 60 Hz
Operating Range	: 2 - 75,6 m ³ /h, 18 meters of Discharge height
Fluid Temperature	: Between -10 °C and +110 °C range
Fluid Characteristics	: Clean, solid particles and mineral oil-free, non-viscous, chemically neutral, proximal to water character (max. 30% glycol)
Maximum Operating Pressure	: 16 bar (1600 kPa)

Technical Data Sheets

MODELS	DISTANCE BETWEEN FLANGES mm	ELECTRICAL VALUES			EEI ENERGY EFFICIENCY INDEX	Q=m³/h	HYDRAULIC VALUES															
		VOLTAGE 50 hz	P1 MAX W	Ln A			0	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	54	72		
EVOPLUS B 120/220.32 M	220	220/240 V	340	1,7	EEI ≤ 0,22	H (m)	12,1	11,5	10,7	9,5	7,9	6,3	4,7	2,2								
EVOPLUS B 40/220.40 M	220	220/240 V	90	0,7	EEI ≤ 0,24		4	3,6	3,1	2,5	1,7											
EVOPLUS B 60/220.40 M	220	220/240 V	175	1	EEI ≤ 0,23		6	5,9	5,1	4,1	3	2										
EVOPLUS B 80/220.40 M	220	220/240 V	260	1,35	EEI ≤ 0,21		8	7,9	7,4	6,1	5	3,7	2									
EVOPLUS B 100/220.40 M	220	220/240 V	350	1,75	EEI ≤ 0,20		10	9,7	8,3	7	5,5	3,5										
EVOPLUS B 120/250.40 M	250	220/240 V	465	2,2	EEI ≤ 0,20		12	11,5	10,1	8,7	7,3	5,2										
EVOPLUS B 150/250.40 M	250	220/240 V	610	2,9	EEI ≤ 0,20		15	14,5	12,8	11,3	9,7	7,5	3,8									
EVOPLUS B 180/250.40 M	250	220/240 V	610	2,9	EEI ≤ 0,20		18	16,2	14,6	13	11,2	9,6	7,4	3,9								
EVOPLUS B 40/240.50 M	240	220/240 V	140	0,87	EEI ≤ 0,23		4	3,9	3,6	3,1	2,6	2,1	1,4									
EVOPLUS B 60/240.50 M	240	220/240 V	260	1,35	EEI ≤ 0,21		6	5,4	4,7	4	3,2	1,6										
EVOPLUS B 80/240.50 M	240	220/240 V	330	1,7	EEI ≤ 0,21		8	7,4	6,6	5,9	5,2	4,2	2,6									
EVOPLUS B 100/280.50 M	280	220/240 V	430	2,1	EEI ≤ 0,20		10	9,4	8,4	7,5	6,7	5,5	3,6	2								
EVOPLUS B 120/280.50 M	280	220/240 V	530	2,5	EEI ≤ 0,19		12	11	9,9	9	8,2	6,9	4,8	3								
EVOPLUS B 150/280.50 M	280	220/240 V	640	3	EEI ≤ 0,19		15,3	12,4	11,5	10,6	9,6	8,3	6,2	4,2								
EVOPLUS B 180/280.50 M	280	220/240 V	750	3,45	EEI ≤ 0,19		17,1	14	13	12	11,1	9,7	7,4	5,2	3,1							
EVOPLUS B 40/340.65 M	340	220/240 V	190	1,1	EEI ≤ 0,21		4	4	3,8	3,4	3	2,4	1,4									
EVOPLUS B 60/340.65 M	340	220/240 V	355	1,8	EEI ≤ 0,20		6	6	5,9	5,4	4,7	3,7	2,2									
EVOPLUS B 80/340.65 M	340	220/240 V	465	2,2	EEI ≤ 0,19		8	7,8	7,4	6,8	5,9	4,6	3,5	2								
EVOPLUS B 100/340.65 M	340	220/240 V	590	2,8	EEI ≤ 0,18		10,1	9,8	9,1	8,4	7,6	6,1	4,7	3,1								
EVOPLUS B 120/340.65 M	340	220/240 V	730	3,45	EEI ≤ 0,18		12	11,5	10,8	10	9	7,4	5,9	4,6	2,8							
EVOPLUS B 150/340.65 M	340	220/240 V	1210	5,5	EEI ≤ 0,18		15,2	14,9	14,7	14	12,1	10,3	8,5	6,9								
EVOPLUS B 40/360.80 M	360	220/240 V	330	1,65	EEI ≤ 0,19		4	4	3,1	2,2	1,4											
EVOPLUS B 60/360.80 M	360	220/240 V	535	2,5	EEI ≤ 0,20		6	6	5,2	4	3	2										
EVOPLUS B 80/360.80 M	360	220/240 V	670	3	EEI ≤ 0,20		8	8	6,7	5,4	4,2	3,2										
EVOPLUS B 100/360.80 M	360	220/240 V	1005	4,5	EEI ≤ 0,19		10	10	9,7	8,3	6,7	5,4	3									
EVOPLUS B 120/360.80 M	360	220/240 V	1235	5,5	EEI ≤ 0,19		12,1	12,1	11,6	9,9	8,3	6,8	4,1									
EVOPLUS B 40/450.100 M	450	220/240 V	530	2,5	EEI ≤ 0,19		4	4	3,9	3	2											
EVOPLUS B 60/450.100 M	450	220/240 V	760	3,5	EEI ≤ 0,18		6	6	5,7	4,7	3,6	1,3										
EVOPLUS B 80/450.100 M	450	220/240 V	1080	4,8	EEI ≤ 0,18		8	8	8	7,2	5,7	3,4										
EVOPLUS B 100/450.100 M	450	220/240 V	1380	6	EEI ≤ 0,19		10,1	10,1	10,1	9,2	7,6	4,9	0,7									
EVOPLUS B 120/450.100 M	450	220/240 V	1560	7	EEI ≤ 0,19		12,2	12,2	11,8	10,4	8,7	5,9	1,5									

EVOPLUS Series

Frequency Converter Industrial Circulation Pumps



- Reduces high-pressure in the system
- Decreases noise and vibrations to the minimum level
- Extends life-span of the circulator considerably
- Provides energy saving at a higher level
- Compatible with Directive 2009/125/EC for ERP

Applications

- High-rise buildings
- In-house
- Schools
- Housing Estates
- Clinics and hospitals
- Office buildings

Technical Specifications

Protection Level	: IP 44
Insulation Class	: F
Standard Voltage	: 220/240 V - 50 / 60 Hz
Operating Range	: 2 - 75,6 m ³ /h, 18 meters of Discharge height
Fluid Temperature	: Between -10 °C and +110 °C range
Fluid Characteristics	: Clean, solid particles and mineral oil-free, non-viscous, chemically neutral, proximal to water character (max. 30% glycol)
Maximum Operating Pressure	: 16 bar (1600 kPa)

Technical Data Sheets

MODELS	DISTANCE BETWEEN FLANGES mm	ELECTRICAL VALUES			EEI ENERGY EFFICIENCY INDEX	HYDRAULIC VALUES																											
		VOLTAGE 50 hz	P1 MAX W	Ln A		Q=m³/h	0	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	54	72													
EVOPLUS D 120/220.32 M	220	220/240 V	340	1,7	EEI ≤0,22	H (m)	12,1	11,5	10,7	9,5	7,9	6,3	4,7	2,2																			
EVOPLUS D 40/220.40 M	220	220/240 V	90	0,7	EEI ≤0,25		4	3,6	3,1	2,5	1,7																						
EVOPLUS D 60/220.40 M	220	220/240 V	175	1	EEI ≤0,25		6	5,9	5,1	4,1	3	2																					
EVOPLUS D 80/220.40 M	220	220/240 V	260	1,35	EEI ≤0,25		8	7,9	7,4	6,1	5	3,7	2																				
EVOPLUS D 100/220.40 M	220	220/240 V	350	1,75	EEI ≤0,25		10		9,7	8,3	7	5,5	3,5																				
EVOPLUS D 120/250.40 M	250	220/240 V	465	2,2	EEI ≤0,23		12		11,5	10,1	8,7	7,3	5,2																				
EVOPLUS D 150/250.40 M	250	220/240 V	610	2,9	EEI ≤0,23		15		14,5	12,8	11,3	9,7	7,5	3,8																			
EVOPLUS D 180/250.40 M	250	220/240 V	610	2,9	EEI ≤0,23		18	16,2	14,6	13	11,2	9,6	7,4	3,9																			
EVOPLUS D 40/240.50 M	240	220/240 V	430	0,87	EEI ≤0,23		4	3,9	3,6	3,1	2,6	2,1	1,4																				
EVOPLUS D 60/240.50 M	240	220/240 V	260	1,35	EEI ≤0,22		6			5,4	4,7	4	3,2	1,6																			
EVOPLUS D 80/240.50 M	240	220/240 V	330	1,7	EEI ≤0,22		8		7,4	6,6	5,9	5,2	4,2	2,6																			
EVOPLUS D 100/280.50 M	280	220/240 V	430	2,1	EEI ≤0,22		10		9,4	8,4	7,5	6,7	5,5	3,6	2																		
EVOPLUS D 120/280.50 M	280	220/240 V	530	2,5	EEI ≤0,22		12		11	9,9	9	8,2	6,9	4,8	3																		
EVOPLUS D 150/280.50 M	280	220/240 V	640	3	EEI ≤0,21		15,3		12,4	11,5	10,6	9,6	8,3	6,2	4,2																		
EVOPLUS D 180/280.50 M	280	220/240 V	750	3,45	EEI ≤0,21		17,1		14	13	12	11,1	9,7	7,4	5,2	3,1																	
EVOPLUS D 40/340.65 M	340	220/240 V	190	1,1	EEI ≤0,21		4		4	3,8	3,4	3	2,4	1,4																			
EVOPLUS D 60/340.65 M	340	220/240 V	355	1,8	EEI ≤0,21		6			6	5,9	5,4	4,7	3,7	2,2																		
EVOPLUS D 80/340.65 M	340	220/240 V	465	2,2	EEI ≤0,21		8		7,8	7,4	6,8	5,9	4,6	3,5	2																		
EVOPLUS D 100/340.65 M	340	220/240 V	590	2,8	EEI ≤0,20		10,1		9,8	9,1	8,4	7,6	6,1	4,7	3,1																		
EVOPLUS D 120/340.65 M	340	220/240 V	730	3,45	EEI ≤0,20		12			11,5	10,8	10	9	7,4	5,9	4,6	2,8																
EVOPLUS D 150/340.65 M	340	220/240 V	1210	5,5	EEI ≤0,20		15,2			14,9	14,7	14	12,1	10,3	8,5	6,9																	
EVOPLUS D 40/360.80 M	360	220/240 V	330	1,65	EEI ≤0,20		4							4	3,1	2,2	1,4																
EVOPLUS D 60/360.80 M	360	220/240 V	535	2,5	EEI ≤0,20		6							6	5,2	4	3	2															
EVOPLUS D 80/360.80 M	360	220/240 V	670	3	EEI ≤0,20		8							8	6,7	5,4	4,2	3,2															
EVOPLUS D 100/360.80 M	360	220/240 V	1005	4,5	EEI ≤0,19		10								9,7	8,3	6,7	5,4	3														
EVOPLUS D 120/360.80 M	360	220/240 V	1235	5,5	EEI ≤0,19		12,1								11,6	9,9	8,3	6,8	4,1														
EVOPLUS D 40/450.100 M	450	220/240 V	530	2,5	EEI ≤0,19		4									3,9	3	2															
EVOPLUS D 60/450.100 M	450	220/240 V	760	3,5	EEI ≤0,19		6									5,7	4,7	3,6	1,3														
EVOPLUS D 80/450.100 M	450	220/240 V	1080	4,8	EEI ≤0,20		8									8	7,2	5,7	3,4														
EVOPLUS D 100/450.100 M	450	220/240 V	1380	6	EEI ≤0,20		10,1									10,1	9,2	7,6	4,9	0,7													
EVOPLUS D 120/450.100 M	450	220/240 V	1560	7	EEI ≤0,20		12,2									11,8	10,4	8,7	5,9	1,5													

ALM - ALP Series

IN-LINE Dry Rotor Circulation Pumps (Heating & Cooling (Air-Conditioning) & Solar Energy)



- In-line connection, opportunity to use for industrial and domestic heating & cooling water circulation
- Technopolymer fan (impeller) and carbon/ceramic mechanical seal. 2-pole induction motors (2900 rpm/min) for ALP versions and 4-pole induction motors (1450 rpm/min) for ALM versions
- Thermal protection and protection against over-current in single-phase models, and protection against over-current in three-phase models must be maintained by use of panel compliant with the norms
- Pump housing and motor housing support are molding

Technical Specifications

Protection Level	: IP 55
Insulation Class	: F
Operating Range	: 1,5 - 8,4 m ³ /h flow rate - pressure up to 21 mWc
Fluid Temperature	: +15 °C / +120 °C
Fluid Characteristics	: Clean, solid particle-free, non-viscous, non-aggressive, chemically neutral water
Maximum Operating Pressure	: 10 bar (1000 kPa)

Technical Data Sheets

MODELS	DISTANCE BETWEEN UNIONS mm	VOLTAGE 50 Hz	Rpm d/dk	P2 -POWER kW	Q=m ³ /h Q=l/min.	HYDRAULIC VALUES							
						0 0	1,2 20	2,4 40	3,6 60	4,8 80	6 100	7,2 120	8,4 140
ALM 500 M	250	1x220-240 V	1425	0,25	H(mSS)	5,5	5,4	5,3	4,8	4,1	3	1,5	
ALM 500 T	250	3x230 V / 3x400 V	1465	0,25		5,5	5,4	5,3	4,8	4,1	3	1,5	
ALP 2000 M	250	1x220-240 V	2870	0,55		21,1	20,6	19,6	18	16	13,8	10,5	5,3
ALP 2000 T	250	1x220-240 V	2830	0,55		21,1	20,6	19,6	18	16	13,8	10,5	5,3



KLM-KLP & DKLM-DKLP Series

IN-LINE Dry Rotor Circulation Pumps (Heating & Cooling (Air-Conditioning) & Solar Energy)



- Pump housing and motor housing support are molding
- Pressure class is PN10 and threaded openings are available over the input - output flanges for reading the pressure information
- Pump fan (impeller) is made of techno-polymer material whereas mechanical seal is carbon/ceramic based
- 4-pole induction motors (1400 rpm/min) are used for KLM and DKLM models, and 2-pole induction motors (2800 rpm/min) are used for KLP and DKLP models
- Thermal overload protection and protection against over-current are available in single-phase models
- Three-phase models must be protected against over-current by use of a panel compliant with the norms
- Outlet flap is available for the outlet of twin models

Technical Specifications

Operating Range	: 2 - 67 m ³ /h flow rate - pressure up to 13,7 mWc
Fluid Temperature	: -15°C / 120°C
Fluid Characteristics	: Clean, solid particle-free, non-viscous, chemically neutral water
Maximum Ambient Temperature	: 40°C
Maximum Operating Pressure	: 10 bar (1000 kPa)
Protection Level	: IP55
Insulation Class	: F

Technical Data Sheets

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																	
						0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	
						0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	
KLM 40-300 M	250	DN 40	1x230 V	0,25	H(mSS)	3,4	3,2	3	2,6	2,3	1,7												
KLM 40-300 T	250	DN 40	3x230-400 V	0,25		3,4	3,2	3	2,6	2,3	1,7												
KLP 40-600 M	250	DN 40	1x230 V	0,37		8,2			7,8	7,4	6,9	6,3	5,7	4									
KLP 40-600 T	250	DN 40	3x230-400 V	0,37		8,2			7,8	7,4	6,9	6,3	5,7	4									
KLP 40-900 M	250	DN 40	1x230 V	0,37		10,2			9,8	9,4	8,8	8,2	7,4	5,6									
KLP 40-900 T	250	DN 40	3x230-400 V	0,37		10,2			9,8	9,4	8,8	8,2	7,4	5,6									
KLP 40-1200 M	250	DN 40	1x230 V	0,55		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9								
KLP 40-1200 T	250	DN 40	3x230-400 V	0,55		13,7			13,2	12,6	11,9	11,2	10,4	8,4	5,9								
KLM 50-300 M	280	DN 50	1x230 V	0,25		2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3								
KLM 50-300 T	280	DN 50	3x230-400 V	0,25		2,9			2,8	2,7	2,6	2,5	2,3	1,8	1,3								
KLM 50-600 M	280	DN 50	1x230 V	0,25		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2						
KLM 50-600 T	280	DN 50	3x230-400 V	0,25		5,4			5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2						
KLP 50-900 M	280	DN 50	1x230 V	0,75		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9					
KLP 50-900 T	280	DN 50	3x230-400 V	0,75		8,9				8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9					
KLP 50-1200 M	280	DN 50	1x230 V	0,75		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2					
KLP 50-1200 T	280	DN 50	3x230-400 V	0,75		12				12	11,8	11,6	11	10,5	9,8	9	8,6	6,2					
KLM 65-300 T	340	DN 65	3x230-400 V	0,25		3,1				3	2,9	2,8	2,7	2,6	2,4	2	1,8						
KLM 65-600 T	340	DN 65	3x230-400 V	0,37		5,5							5,3	5	4,7	4,6	4	3,8	2,5				
KLP 65-900 T	340	DN 65	3x230-400 V	1,1		9								8,8	8,6	8,5	8,1	8	7	5,5	3,5		
KLP 65-1200 T	340	DN 65	3x230-400 V	1,1		12									11,6	11,4	11,2	11	10	8,8	6,7		
KLM 80-300 T	360	DN 80	3x230-400 V	0,25	3,3									3,2	3,1	3	2,9	2,7	2	1,2			
KLM 80-600 T	360	DN 80	3x230-400 V	0,75	5,7										5,8	5,8	5,7	5,5	5	4,3	2,5		
KLP 80-900 T	360	DN 80	3x230-400 V	1,84	8,8										8,7	8,6	8,5	8,4	8	7,7	6		
KLP 80-1200 T	360	DN 80	3x230-400 V	1,84	11,8													11,6	11,5	11	9,7	7,2	

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																	
						0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	
						0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	
DKLM 40-300 M	250	DN 40	1x230 V	0,25	H(mSS)	3,4	3,2	3	2,6	2,3	1,7												
DKLM 40-300 T	250	DN 40	3x230-400 V	0,25		3,4	3,2	3	2,6	2,3	1,7												
DKLP 40-600 M	250	DN 40	1x230 V	0,37		8,2				7,8	7,4	6,9	6,3	5,7	4								
DKLP 40-600 T	250	DN 40	3x230-400 V	0,37		8,2				7,8	7,4	6,9	6,3	5,7	4								
DKLP 40-900 M	250	DN 40	1x230 V	0,37		10,2				9,8	9,4	8,8	8,2	7,4	5,6								
DKLP 40-900 T	250	DN 40	3x230-400 V	0,37		10,2				9,8	9,4	8,8	8,2	7,4	5,6								
DKLP 40-1200 M	250	DN 40	1x230 V	0,55		13,7				13,2	12,6	11,9	11,2	10,4	8,4	5,9							
DKLP 40-1200 T	250	DN 40	3x230-400 V	0,55		13,7				13,2	12,6	11,9	11,2	10,4	8,4	5,9							
DKLM 50-300 M	280	DN 50	1x230 V	0,25		2,9				2,8	2,7	2,6	2,5	2,3	1,8	1,3							
DKLM 50-300 T	280	DN 50	3x230-400 V	0,25		2,9				2,8	2,7	2,6	2,5	2,3	1,8	1,3							
DKLM 50-600 M	280	DN 50	1x230 V	0,25		5,4				5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
DKLM 50-600 T	280	DN 50	3x230-400 V	0,25		5,4				5,2	4,9	4,7	4,5	4,3	3,8	3,2	2,5	2					
DKLP 50-900 M	280	DN 50	1x230 V	0,75		8,9					8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
DKLP 50-900 T	280	DN 50	3x230-400 V	0,75		8,9					8,8	8,7	8,6	8,5	8	7,4	6,6	6,3	3,9				
DKLP 50-1200 M	280	DN 50	1x230 V	0,75		12					12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
DKLP 50-1200 T	280	DN 50	3x230-400 V	0,75		12					12	11,8	11,6	11	10,5	9,8	9	8,6	6,2				
DKLM 65-300 T	340	DN 65	3x230-400 V	0,25		3,1					3	2,9	2,8	2,7	2,6	2,4	2	1,8					
DKLM 65-600 T	340	DN 65	3x230-400 V	0,37		5,5								5,3	5	4,7	4,6	4	3,8	2,5			
DKLP 65-900 T	340	DN 65	3x230-400 V	1,1		9									8,8	8,6	8,5	8,1	8	7	5,5	3,5	
DKLP 65-1200 T	340	DN 65	3x230-400 V	1,1		12										11,6	11,4	11,2	11	10	8,8	6,7	
DKLM 80-300 T	360	DN 80	3x230-400 V	0,25	3,3										3,2	3,1	3	2,9	2,7	2	1,2		
DKLM 80-600 T	360	DN 80	3x230-400 V	0,75	5,7											5,8	5,8	5,7	5,5	5	4,3	2,5	
DKLP 80-900 T	360	DN 80	3x230-400 V	1,84	8,8											8,7	8,6	8,5	8,4	8	7,7	6	
DKLP 80-1200 T	360	DN 80	3x230-400 V	1,84	11,8														11,6	11,5	11	9,7	7,2

CM Series

IN-LINE Dry Rotor Circulation Pumps (Heating & Cooling (Air-Conditioning) & Solar Energy)



- CM series circulation pumps with in-line connection are appropriate for water circulation in industrial and domestic heating, and air-conditioning systems
- Pump body, motor support bar, fan (impeller) and fan protective cover are made of casting material
- Pressure class is PN16 and openings are available over the flanges for the opportunity to read the pressure information
- Mechanical seal is carbon/ceramic
- 4-pole (1450 rpm/min) external cooling induction motor is used
- Use of external thermic protection is recommended

Technical Specifications

Operating Range	: 1,2-420 m ³ /h flow rate - pressure up to 41 mWc
Fluid Temperature	: -10°C / 140°C
Fluid Characteristics	: Clean, solid particle-free, non-viscous, chemically neutral water
Maximum Ambient Temperature	: 40°C
Maximum Operating Pressure	: 16 bar (1600 kPa)
Protection Level	: IP55
Insulation Class	: F

Technical Data Sheets

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																						
						0 0	1,2 20	2,4 40	3 50	3,6 60	4,8 80	6 100	12 200	18 300	24 400	30 500	36 600	42 700	48 800									
CM 40-440 T	390	DN 40	3x230-400 V	0,75	H(mSS)	4,4	4,4	4,3	4,3	4,2	3,8	3,5																
CM 40-540 T	390	DN 40	3x230-400 V	0,75		5,4	5,4	5,3	5,2	5,1	4,8	4,5																
CM 40-670 T	390	DN 40	3x230-400 V	0,75		6,7	6,7	6,7	6,6	6,5	6,2	5,8																
CM 40-870 T	390	DN 40	3x230-400 V	0,75		8,7	8,7	8,6	8,6	8,5	8,2	7,9																
CM 40-1300 T	380	DN 40	3x230-400 V	0,75						13	12,9	12,5	12,4															
CM 40-1450 T	380	DN 40	3x230-400 V	1,1								14,4	14,3	9,8	6													
CM 50-510 T	425	DN 50	3x230-400 V	0,75						5	4,6	4,2	11,8	8														
CM 50-630 T	425	DN 50	3x230-400 V	0,75								6,2	5,8	5,5														
CM 50-780 T	425	DN 50	3x230-400 V	0,75								7,7	7,4	7,1														
CM 50-1000 T	425	DN 50	3x230-400 V	0,75								10,1	9,8	9,6	6,8													
CM 50-1270 T	400	DN 50	3x230-400 V	1,1										12,7	11,2	8,5												
CM 50-1420 T	400	DN 50	3x230-400 V	1,1										4,1	13	10	6											
CM-G 65-420/A/BAQUE/0,25	360	DN 65	3x230-400 V	0,25						4,2					5,3	3,7	3	2,1										
CM-G 65-540/A/BAQUE/0,33	360	DN 65	3x230-400 V	0,37						5,4					5,3	5	4,4	3,5										
CM-G 65-660/A/BAQUE/0,55	360	DN 65	3x230-400 V	0,55						6,6					6,5	6,2	5,7	4,8										
CM-G 65-760/A/BAQUE/0,55	360	DN 65	3x230-400 V	0,55						7,6							7,7	7,6	6,7	5,5								
CM-G 65-920/A/BAQUE/0,75	360	DN 65	3x230-400 V	0,75						9,2							9,2	9	8,4	7,4	5,7							
CM-G 65-1080/A/BAQUE/1,1	475	DN 65	3x230-400 V	1,1						1,8									10,8	10,6	10,2	9,5	8,6	7,3				
CM-G 65-1200/A/BAQUE/1,5	475	DN 65	3x230-400 V	1,5						12									12	11,9	11,5	10,8	10,1	8,9				
CM-G 65-1530/A/BAQUE/2,2	475	DN 65	3x230-400 V	2,2						15,3									15,3	15,2	14,8	14	13,3	12,1	10,8			
CM-G 65-1680/A/BAQUE/3	475	DN 65	3x230-400 V	3					16,8									16,8	16,5	16,1	15,5	14,6	13,6	12,4				
CM-G 65-2380/A/BAQUE/4	475	DN 65	3x230-400 V	4					23,8											24	23,8	23,4	22,7	21,6	20,4	19		

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 hz	P2 POWER kW	Q=m³/h Q= l/min.	HYDRAULIC VALUES																														
						0 0	12 200	18 300	24 400	30 500	36 600	42 700	48 800	60 1000	72 1200	84 1400	90 1500	102 1700	114 1900	120 2000	150 2500	180 3000														
CM 80-550/A/BAQE/0,55	360	DN 80	3x230-400 V	0,55	H(mSS)	5,5	5,2	5	4,7	4,3	3,9	3,3	2,6																							
CM-G 80-650/A/BAQE/0,75	360	DN 80	3x230-400 V	0,75		6,5	6,3	6,1	5,8	5,5	5	4,5	3,9																							
CM-G 80-740/A/BAQE/1,1	440	DN 80	3x230-400 V	1,1		7,4	7,4	7,3	7,2	6,9	6,7	6,3	5,8	4,4																						
CM-G 80-890/A/BAQE/1,5	440	DN 80	3x230-400 V	1,5		8,9		8,8	8,7	8,6	8,3	8	7,6	6,6																						
CM-G 80-1050/A/BAQE/2,2	440	DN 80	3x230-400 V	2,2		10,5			10,4	10,3	10,2	9,9	9,6	8,8																						
CM-G 80-1530/A/BAQE/3	500	DN 80	3x400 V	3		15,3			15,4	15,3	15	14,6	14,1	12,9	11,3																					
CM-G 80-1700/A/BAQE/4	500	DN 80	3x400 V	4		17			17,2	17,2	17,1	16,8	16,5	15,7	14,3	12,6																				
CM-G 80-1410/A/BAQE/5,5	620	DN 80	3x400 V	5,5		24,1			23,8	23,6	23,3	22,8	22,3	20,8	18,6																					
CM-G 80-2700/A/BAQE/7,5	620	DN 80	3x400 V	7,5		27						26	25,5	24,5	22,7	20,2	19																			
CM-G 80-3420/A/BAQE/11	620	DN 80	3x400 V	11		34,2						33,2	33	32	30,7	29	28	25	21,7																	
CM-G 100-510/A/BAQE/0,75	500	DN 100	3x230-400 V	0,75		5,1	4,9	4,8	4,7	4,7	4,4	4,2	3,8	3																						
CM-G 100-650/A/BAQE/1,1	500	DN 100	3x230-400 V	1,1		6,5	6,4	6,4	6,3	6,2	6	5,8	5,5	4,6																						
CM-G 100-660/A/BAQE/1,5	550	DN 100	3x230-400 V	1,5		6,6				6,4	6,3	6,2	6	5,6	5	4,5	4,3	3,7	3																	
CM-G 100-865/A/BAQE/2,2	550	DN 100	3x230-400 V	2,2		8,6				8,5	8,5	8,3	8,3	7,7	7,2	6,7	6,3	5,7	4,9	4,6																
CM-G 100-1020/A/BAQE/3	550	DN 100	3x400 V	3		10,2				10,2	10,1	10	9,9	9,7	9,3	8,8	8,6	7,9	7,2	6,7																
CM-G 100-1320/A/BAQE/4	550	DN 100	3x400 V	4		13,2							13,2	13,2	12,9	12,4	11,7	11,3	10,4	9,3	8,7															
CM-G 100-1650/A/BAQE/5,5	550	DN 100	3x400 V	5,5		16,5							16,6	16,5	16,2	16	15,4	15	14,3	13,3	12,7															
CM-G 100-2050/A/BAQE/7,5	670	DN 100	3x400 V	7,5		20,5							20,1	21	20,7	20	19,5	19	18	16,7	16															
CM-G 100-2550/A/BAQE/11	670	DN 100	3x400 V	11		25,5							25,5	25,5	25,1	25	24,2	24	23	21,5	21															
CM-G 100-3290/A/BAQE/15	670	DN 100	3x400 V	10,5		32,9								33	32,8	32	31,6	30,5	29,5	28,5	24															
CM-G 100-3680/A/BAQE/18,5	670	DN 100	3x400 V	18,5	36,8								37	36,8	36,5	36,1	35,5	34,5	34	29,5																
CM-G 100-4100/A/BAQE/22	670	DN 100	3x400 V	22	41									41,4	41	40,6	40,5	39,8	39	38,5	34,8	29														

CP Series

IN-LINE Dry Rotor Circulation Pumps (Heating & Cooling (Air-Conditioning) & Solar Energy)



- CP series circulation pumps with in-line connection are appropriate for water circulation in industrial and domestic heating, and air-conditioning systems
- Pump body, motor support bar are made of casting material
- Pressure class is PN16 and openings are available over the flanges for the opportunity to read the pressure information
- Pump fan is techno-polymer based, whereas mechanical seal is carbon/ceramic
- 2-pole (2900 rpm/ min) external cooling induction motor is used
- Use of external thermic protection is recommended

Technical Specifications

Operating Range	: 3,6-420 m ³ /h flow rate - pressure up to 102 mWc
Fluid Temperature	: -10°C / 140°C
Fluid Characteristics	: Clean, solid particle-free, non-viscous, chemically neutral water
Maximum Ambient Temperature	: 40°C
Maximum Operating Pressure	: 16 bar (1600 kPa)
Protection Level	: IP55
Insulation Class	: F

Technical Data Sheets

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 hz	P2 POWER kW	Q=m³/h Q=ℓ/min.	HYDRAULIC VALUES								
						0 0	3,6 60	4,8 80	6 100	12 200	18 300	24 400	30 500	36 600
CP 40/1900T	390	DN 40	3x230-400 V	0,75	H (mSS)	17,6	17,6	17,4	17	14				
CP 40/2300T	390	DN 40	3x230-400 V	1,1		21,8	21,8	21,3	21	18				
CP 40/2700T	390	DN 40	3x230-400 V	1,5		26,9	26,9	26,7	26,2	23,2				
CP 40/3500T	390	DN 40	3x230-400 V	2,21		34,8	34,9	34,7	34,2	31,7				
CP 40/3800T	380	DN 40	3x230-400 V	3					38	35	30			
CP 40/4700T	380	DN 40	3x230-400 V	4					47	44	39,5	35		
CP 40/5500T	425	DN 40	3x400 V	5,5					55	53	48	42		
CP 40/6200T	425	DN 40	3x400 V	7,5					62	59	54	49		
CP 50/2200T	425	DN 50	3x230-400 V	1,1					20	16,5	11			
CP 50/2600T	425	DN 50	3x230-400 V	1,5					25	22	16			
CP 50/3100T	400	DN 50	3x230-400 V	2,2					31	28,5	24			
CP 50/4100T	400	DN 50	3x230-400 V	4					40,7	38,5	34,5	27,7		
CP 50/4600T	360	DN 50	3x400 V	5,5							44	41,5	37	31
CP 50/5100T	360	DN 50	3x400 V	7,5							50	47,5	42,5	37
CP 50/5650T	360	DN 50	3x400 V	7,5							55,5	53	49	44

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																												
						0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150									
						0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500									
CP-G 65-1470/A/BAQE/1,5	360	DN 65	3x230-400 V	1,5	H (mSS)	14,7	14,5	14,3	13,8	13	11,8	10,5	8,6	7																				
CP-G 65-1900/A/BAQE/2,2	360	DN 65	3x230-400 V	2,2		19	18,7	18,4	17,8	17	15,9	14,6	13	11																				
CP-G 65-2280/A/BAQE/3	360	DN 65	3x400 V	3		22,8	22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5																			
CP-G 65-2640/A/BAQE/4	360	DN 65	3x400 V	4		26,4	26,2	26	25,6	25	24	23	21,5	19,5	17,5	15																		
CP-G 65-3400/A/BAQE/5,5	360	DN 65	3x400 V	5,5		34				34	33,5	32,5	31	29,5	27	24																		
CP-G 65-4100/A/BAQE/7,5	360	DN 65	3x400 V	7,5		41				41	41	40	39	37,5	35,5	33	30	26,5																
CP-G 65-4700/A/BAQE/11	475	DN 65	3x400 V	11		47							45,5	45	44,3	43,3	42	40,8	39	37	35	32,3												
CP-G 65-5500/A/BAQE/15	475	DN 65	3x400 V	15		55							56	55,5	54	53,5	52	51	49	47,5	45,5	43	41											
CP-G 65-6150/A/BAQE/18,5	475	DN 65	3x400 V	18,5		61,5							62	62	61,5	60,5	59	58	56,5	55	53	51	48,5	43										
CP-G 65-6750/A/BAQE/22	475	DN 65	3x400 V	22		67,5							68	67,5	67	66	65,5	64	62,5	61	59,5	57	55	50										
CP-G 65-7350/A/BAQE/22	475	DN 65	3x400 V	22		73,5							75	74,5	73,8	73,5	71	68,5	67	65	62,5	60	57	49										
CP-G 65-9250/A/BAQE/30	475	DN 65	3x400 V	30		92,5							94	94	94	94	91	89,5	87,5	85,6	83	81,5	78	72										
CP-G 80-1400/A/BAQE/2,2	360	DN 80	3x230-400 V	2,2		14							13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5											
CP-G 80-1700/A/BAQE/3	360	DN 80	3x400 V	3		17							16,5	16	15,5	15	14,5	13,7	13	12	11	10	9											
CP-G 80-2050/A/BAQE/4	360	DN 80	3x400 V	4		20,5							20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5										
CP-G 80-2400/A/BAQE/5,5	360	DN 80	3x400 V	5,5		24							23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4									
CP-G 80-2770/A/BAQE/7,5	440	DN 80	3x400 V	7,5		27,7										27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1								
CP-G 80-3250/A/BAQE/11	440	DN 80	3x400 V	11		32,5										32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6								
CP-G 80-4000/A/BAQE/15	440	DN 80	3x400 V	15		40										40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9							
CP-G 80-5150/A/BAQE/18,5	500	DN 80	3x400 V	18,5		51,5										52	52	51,5	50,5	50	49	48,5	47,5	45	42,5	41								
CP-G 80-5650/A/BAQE/22	500	DN 80	3x400 V	22		56,5										58	58	47,5	57	56,5	56	55	54,5	53	51	49								
CP-G 80-6850/A/BAQE/30	500	DN 80	3x400 V	30		68,5										70	70	70	68,5	69	68,8	68,5	67,5	66	64	63	57							
CP-G 80-8600/A/BAQE/37	620	DN 80	3x400 V	27		86										83	82,5	82,5	82	81,5	81	80	79	76,5	73,5	72	60							
CP-G 80-9600/A/BAQE/45	620	DN 80	3x400 V	45		96										92,5	92	92	91,5	91,5	91	90	89,5	87,5	85	83	72,5							
CP-G 80-1200/A/BAQE/55	620	DN 80	3x400 V	55		102										101,6	101,5	101,3	101,1	100,7	100,3	99,7	99,1	98,3	97,5	95,4	92,9	91,5	83,2					

MODELS	DISTANCE BETWEEN UNIONS mm	CONNECTION DIAMETER	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																			
						0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	
						0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	
CP-G 100-1600/A/BAQE/4	500	DN 100	3x400 V	4	H (mSS)	16	15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10	9,3	8							
CP-G 100-1950/A/BAQE/5,5	500	DN 100	3x400 V	5,5		19,5	19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12						
CP-G 100-2350/A/BAQE/7,5	500	DN 100	3x400 V	7,5		23,5	23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12					
CP-G 100-2400/A/BAQE/11	550	DN 100	3x400 V	11		24											22	21,4	20,4	20	17,4	16,8	12		
CP-G 100-3050/A/BAQE/15	550	DN 100	3x400 V	15		30,5											29	28,4	27,5	27	24,5	21,3	18,3		
CP-G 100-3550/A/BAQE/18,5	550	DN 100	3x400 V	18,5		35,5											34,3	33,6	32,6	32,3	29,8	26,8	23,6	20	
CP-G 100-3850/A/BAQE/22	550	DN 100	3x400 V	22		38,5											37,2	36,8	36	35,8	33,5	30,8	27,5	24	
CP-G 100-4800/A/BAQE/30	550	DN 100	3x400 V	30		48											48,5	48,2	47,5	47	44,7	41	36	29	
CP-G 100-5600/A/BAQE/37	550	DN 100	3x400 V	37		56											58	57,5	57,2	57	55	52	48	43	
CP-G 100-6300/A/BAQE/45	550	DN 100	3x400 V	45		63											65,5	65	64	63	61,9	58,9	55,5	50,6	44,2
CP-G 100-8300/A/BAQE/55	670	DN 100	3x400 V	55		83											83,7	83,7	83,7	83,2	80,7	77,3	72,8	66,4	59,5

KLME-DKLME Series

Requency Convertor IN-LINE Dry Rotor Circulation Pumps
(Heating & Cooling (Air-Conditioning) & Solar Energy)



- KLME and DKLME series circulation pumps with in-line connection are appropriate for water circulation circuits in domestic and industrial hot water, air-conditioning and cooling cycles
- The pressure at different flow rates required by the system is kept constant via MCE/C inverter unit mounted over the pump
- Pump body and motor support bar are made of casting material
- Pump fan is techno-polymer, whereas mechanical seal is carbon/ceramic based
- Pressure class is PN10. There are single models for KLME and KLPE models, and double models for DKLME and DKLPE models are available
- 4-pole induction motors for KLME and DKLME models, and 2-pole induction motors for KLPE and DKLPE models are used.
- Motors have thermal protection and over-current protection.

Technical Specifications

Operating Range	: 0,4-5,4 m ³ /h flow rate - pressure up to 13,7 mWc
Fluid Temperature	: -15°C / 120°C
Fluid Characteristics	: Clean, solid particle-free, non-viscous, chemically neutral water (water with maximum 30% glycol level can be used).
Maximum Ambient Temperature	: 40°C
Maximum Operating Pressure	: 10 bar (1000 kPa)
Protection Level	: IP55
Insulation Class	: F

Technical Data Sheets

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES										
				0 0	4,8 80	6 100	7,2 120	8,4 140	9,6 160	12 200	18 300	30 500	36 600	48 800
KLPE 40-600 M MCE11/C	1x220-240 V	0,37	H (mSS)	8,2	7,8	7,4	6,9	6,3	5,7	4				
KLPE 40-1200 M MCE11/C	1x220-240 V	0,55		13,7	12,2	12,6	11,9	11,2	10,4	8,4				
KLPE 50-600 M MCE11/C	1x220-240 V	0,25		5,4	5,2	4,9	4,7	4,5	4,3	3,8	2			
KLPE 50-1200 M MCE11/C	1x220-240 V	0,75		12			11,8	11,6	11	10,5	8,6			
KLPE 65-600 M MCE11/C	1x220-240 V	0,37		5,5				5,3	5	4,4	3,8			
KLPE 65-1200 M MCE11/C	1x220-240 V	1,1		12						11,6	11	8,8	6,7	
KLPE 65-1200 T MCE30/C	3x400 V	1,1		12						11,6	11	8,8	6,7	
KLPE 80-600 M MCE11/C	1x220-240 V	0,75		5,7							5,7	5	4,3	2,5
KLPE 80-1200 M MCE22/C	1x220-240 V	1,84		11,8								11,5	11	9,7
KLPE 80-1200 T MCE30/C	3x400 V	1,84		11,8								11,5	11	9,7

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES										
				0 0	4,8 80	6 100	7,2 120	8,4 140	9,6 160	12 200	18 300	30 500	36 600	48 800
DKLPE 40-600 M MCE11/C	1x220-240 V	0,37	H (mSS)	8,2	7,8	7,4	6,9	6,3	5,7	4				
DKLPE 40-1200 M MCE11/C	1x220-240 V	0,55		13,7	12,2	12,6	11,9	11,2	10,4	8,4				
DKLME 50-600 M MCE11/C	1x220-240 V	0,25		5,4	5,2	4,9	4,7	4,5	4,3	3,8	2			
DKLPE 50-1200 M MCE11/C	1x220-240 V	0,75		12			11,8	11,6	11	10,5	8,6			
DKLME 65-600 M MCE11/C	1x220-240 V	0,37		5,5				5,3	5	4,7	3,8			
DKLPE 65-1200 M MCE11/C	1x220-240 V	1,1		12						11,6	11	8,8	6,7	
DKLPE 65-1200 T MCE30/C	3x400 V	1,1		12						11,6	11	8,8	6,7	
DKLME 80-600 M MCE11/C	1x220-240 V	0,75		5,7							5,7	5	4,3	2,5
DKLPE 80-1200 M MCE22/C	1x220-240 V	1,84		11,8								11,5	11	9,7
DKLPE 80-1200 T MCE30/C	3x400 V	1,84		11,8								11,5	11	9,7

CPE / CP-GE / DCPE Series

Frequency Convertor IN-LINE Dry Rotor Circulation Pumps
(Heating & Cooling (Air-Conditioning) & Solar Energy)



- CPE ve DCPE series circulation pumps with in-line connection are appropriate for water circulation circuits in domestic and industrial hot water, air-conditioning and cooling cycles
- The pressure at different flow rates required by the system is kept constant via MCE/C inverter unit mounted over the pump
- Pump body and motor support bar are made of casting material
- Pump fan (impeller) is cast iron and techno-polymer, whereas mechanical seal is carbon based
- Pressure class is PN16
- There are single models for CPE and CP-GE models, and double models for DCPE model are available
- 2-pole induction motor is used in all of the models

Technical Specifications

Operating Range	: 1,2 - 230 m ³ /h flow rate - pressure up to 56 mWc
Fluid Temperature	: -15°C / 120°C (for DN40-DN50 and DCPE models) / -15°C / 140°C (DN65-DN150)
Fluid Characteristics	: Clean, solid particle-free, non-viscous, chemically neutral water (water with maximum 30% glycol level can be used).
Maximum Ambient Temperature	: 40°C
Maximum Operating Pressure	: 16 bar (1600 kPa)
Protection Level	: IP55
Insulation Class	: F

Technical Data Sheets

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q= l/min.	HYDRAULIC VALUES																	
				0	3,6	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
				0	60	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
CPE 40/2300 M MCE11/C IE2	1x220-240 V	1,1	H (mSS)	21,8	21,8	21,3	21	18													
CPE 40/2300 T MCE30/C IE2	3x400 V	1,1		21,8	218	21,3	21	18													
CPE 40/3500 M MCE22/C IE2	1x220-240 V	2,2		34,8	34,9	34,7	34,2	31,7													
CPE 40/3500 T MCE30/C IE2	3x400 V	2,2		34,8	34,9	34,7	34,2	31,7													
CPE 40/4700 T MCE55/C IE2	3x400 V	4					47	44	39,5	35											
CPE 40/5500 M MCE55/C IE2	3x400 V	5,5					55	53	48	42											
CPE 40/6200 T MCE110/C IE2	3x400 V	7,5					62	59	54	49											
CPE 50/2600 M MCE15/C IE2	1x220-240 V	1,5					25	22	16												
CPE 50/2600 T MCE30/C IE2	3x400 V	1,5					25	22	16												
CPE 50/4100 T MCE30/C IE2	3x400 V	4					40,7	38,5	34,5	27,7											
CPE 50/4600 T MCE55/C IE2	3x400 V	5,5							44	41,5	37	31									
CPE 50/5650 T MCE110/C IE2	3x400 V	7,5							55,5	53	49	44									
CP-GE 65-1470/A/BAQUE/1.5 M MCE11/C IE2	1x220-240 V	1,5		14,7		14,5	14,3	13,8	13	11,8	10,5	8,6	7								
CP-GE 65-1470/A/BAQUE/1.5 T MCE30/C IE2	3x400 V	1,5		14,7		14,5	14,3	13,8	13	11,8	10,5	8,6	7								
CP-GE 65-2280/A/BAQUE/3 T MCE30/C IE2	3x400 V	3		22,8		22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5							
CP-GE 65-2640/A/BAQUE/4 T MCE55/C IE2	3x400 V	4		26,4		26,2	26	25,6	25	24	23	21,5	19,5	17,5	15						
CP-GE 65-3400/A/BAQUE/5.5 T MCE55/C IE2	3x400 V	5,5		34				34	33,5	32,5	31	29,5	27	24							
CP-GE 65-4100/A/BAQUE/7.5 T MCE110/C IE2	3x400 V	7,5		41				41	41	40	39	37,5	35,5	33	30	26,5					
CP-GE 65-4700/A/BAQUE/11 T MCE110/C IE2	3x400 V	11		47						45,5	45	44,3	43,3	42	40,8	39	37	35	32,3		
CP-GE 65-5500/A/BAQUE/15 T MCE150/C IE2	3x400 V	15		55							56	55,5	54	53,5	52	51	49	47,5	47,5	43	41

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES																			
				0	24	30	36	42	48	54	60	66	72	78	84	90:	102	114	120	150	180	210	
				0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	
CP-GE 80-1400/A/BAQUE/2.2 M MCE22/C IE2	1x220-240 V	2,2	H (mSS)	14	13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5								
CP-GE 80-1400/A/BAQUE/2.2 T MCE30/C IE2	3x400 V	2,2		14	13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5								
CP-GE 80-2050/A/BAQUE/4 T MCE55/C IE2	3x400 V	4		20,5	20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5							
CP-GE 80-2400/A/BAQUE/5,5 T MCE55/C IE2	3x400 V	5,5		24	23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4						
CP-GE 80-2270/A/BAQUE/7,5 T MCE110/C IE2	3x400 V	7,5		27,7					27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1				
CP-GE 80-3250/A/BAQUE/11 T MCE110/C IE2	3x400 V	11		32,5					32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6				
CP-GE 80-4000/A/BAQUE/15 T MCE150/C IE2	3x400 V	15		40					40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9			
CP-GE 100-1600/A/BAQUE/4 T MCE55/C IE2	3x400 V	4		16			15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10,4	9,3	8					
CP-GE 100-1950/A/BAQUE/5,5 T MCE55/C IE2	3x400 V	5,5		19,5			19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12				
CP-GE 100-2350/A/BAQUE/7,5 T MCE110/C IE2	3x400 V	7,5		23,5			23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12			
CP-GE 100-2400/A/BAQUE/11 T MCE110/C IE2	3x400 V	11		24													22	21,4	20,4	20	17,4	16,8	12
CP-GE 100-3050/A/BAQUE/15 T MCE150/C IE2	3x400 V	15		30,5													29	28,4	27,5	27	24,5	21,3	18,3

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=ℓ/min.	HYDRAULIC VALUES																		
				6 100	7,5 125	9 150	10,5 175	12 200	13,5 225	15 250	18 300	21 350	24 400	27 450	30 500	36 600	42 700	48 800	54 900	60 1000		
DCPE 40/1650 M MCE11/C IE2	1x220-240 V	0,75	H (mSS)	16,5	15,5	14,5	13,5	12,3	11	9,5	6											
DCPE 40/2450 M MCE15/C IE2	1x220-240 V	1,5		24,5	24	23,5	23	22	21	20	16,5	13										
DCPE 40/2450 T MCE30/C IE2	3x400 V	1,5		24,5	24	23,5	23	22	21	20	16,5	13										
DCPE 50/1550 M MCE15/C IE2	1x220-240 V	1,5									15,5	15	14,1	13	11,8	10,5	7					
DCPE 50/1550 M MCE30/C IE2	3x400 V	1,5									15,5	15	14,1	13	11,8	10,5	7					
DCPE 50/2450 T MCE30/C IE2	3x400 V	3									24,5	24	23,5	23	22	20,5	17					
DCPE 50/3650 T MCE55/C IE2	3x400 V	4									36,5	35,5	34,5	33,5	32,5	31	27					
DCPE 65/2300 T MCE30/C IE2	3x400 V	3											23	22,5	22	21,5	19,8	17,5	15			
DCPE 65/2650 T MCE55/C IE2	3x400 V	4												26,5	26	25,5	24,3	22,6	20,2	18		
DCPE 65/3250 M MCE55/C IE2	3x400 V	5,5													32,5	32	31,5	30,5	29,5	28	26	23,5
DCPE 65/3750 T MCE110/C IE2	3x400 V	7,5														37	36,5	36	35	34	32,5	31

MODELS	VOLTAGE 50 Hz	P2 POWER kW	Q=m³/h Q=l/min.	HYDRAULIC VALUES															
				42	48	54	60	75	90	105	120	135	150	165	180	195	210	225	240
DCPE 80/2530 T MCE110/C IE2	3x400 V	7,5	H (mSS)	25,3	24,9	24,1	23,4	20,5	17	12,7									
DCPE 80/3050 T MCE110/C IE2	3x400 V	10		30,5	30	29,5	29	26,5	24	20,5	16								
DCPE 80/3650 T MCE150/C IE2	3x400 V	12,5		36,5	36	35,5	34,5	33	30	27	23	19							
DCPE 80/4100 T MCE150/C IE2	3x400 V	15		41	40,5	40	39,5	38	35,5	33	29	24							
DCPE 100/2450 T MCE110/C IE2	3x400 V	10					24,5	23,5	22	20,5	18,5	16	13,5	10,5	7	3			
DCPE 100/2750 T MCE150/C IE2	3x400 V	12					27,5	26,5	25,5	24	22	20	17,5	15	12	8,6	5		
DCPE 100/2900 T MCE150/C IE2	3x400 V	15						29	28	26	24,5	24,5	22	17,5	14	11,3	7,5	3,5	
DCPE 100/3300 T MCE150/C IE2	3x400 V	12,5					33	32,3	31	29	27	24,5	22	19					
DCPE 100/3750 T MCE150/C IE2	3x400 V	15						37,5	36,5	35	33	31	28,5	26					



WATER BOOSTERS - PUMP SYSTEMS

Submersible Waste Water Pumps

DOMESTIC

Submersible Waste Water Pumps (NOVA - FEKA)



- Pump body, carrying handle, impeller, cap and suction path are made of technopolymer material
- Motor, rotor shaft and screws are stainless steel
- Triple O-ring seal and non-stop operating asynchronous submersible motor are outstanding features of the pump.
- The stator is delicately located into non-corrosive shirt
- Rotor bedding is comprised of lubricated bearings for long life
- Thermic motor protector is available against overcurrent in single-phase models
- 5-meter plug-in cable is provided as standard with single-phase floater pumps

Technical Specifications

Operating Range	: 1-16 m ³ /h flow rate and discharge height up to 10.2 meters	
Fluid Characteristics	: NOVA - Fibre-free blurry waters FEKA - wastewater collected in cesspit tanks	
Fluid Temperature	: 0 °C to 35 °C	
Maximum immersion depth	: 7 meters	
Insulation Class	: F	
Protection Level	: IP 68	
Particle diameter passing through suction mouth	: NOVA 180 - NOVA 200	5 mm
	: NOVA 300 - NOVA 600	10 mm
	: FEKA 600	25 mm
Area of Use	: NOVA - Particle-free rain water, ground water FEKA - Waste water containing particles (maximum 25 mm)	

CESSPIT

Submersible Waste Water Pumps (FEKA VS)



- Volteks impeller centrifugal sewage pump is suitable for sewage and waste water containing solid matters up to 50 mm in diameter
- FEKA VS model is completely stainless steel
- The lower part and impeller of the FEKA VX model is made of technopolymer material
- Rotor bedding is comprised of lubricated bearings for long life
- Also large-size selection of bearings of the pump provides quiet operation
- Three-phase models should be used with appropriate protection panels
- 10 meter H07RN-F cables are provided as standard with single-phase and three-phase models

Technical Specifications

Operating Range	: 0-32 m ³ /h flow rate and discharge height up to 14 mWc
Fluid Characteristics	: Suitable for non-aggressive sewage and waste water containing solid substances with maximum diameter of 50 mm
Fluid Temperature	: 0 °C to +50 °C
Maximum Ambient Temperature	: +40 °C
Maximum immersion depth	: 10 meters
Insulation Class	: F
Protection Level	: IP 68
Standard Voltage	: 220-240 V 50 Hz Single-phase 400 V 50 Hz Three-phase

INDUSTRIAL TYPE

Submersible Waste Water Pumps (DRENAG - GRINDER - FEKA)



- **DRENAG** : Pump body, motor frame, adjusting ring impeller and adjusting disc are molded. Also, the adjusting disc is covered against wear with rubber. Pump shaft, cantilever, filter, bolts and screws are stainless steel. Mechanical seal is silicon/carbide.
Fluid Characteristics: Sandy, blurry and muddy waters at construction sites.
Particle Diameter to be able to pass through the Suction Inlet: 12 mm
- **FEKA** : Pump body, motor frame, suction cover and reverse -flow vortex impeller is molded. Pump shaft, cantilever, filter, bolts and screws are stainless steel. Mechanical seal is carbon/ceramic.
Fluid Characteristics: Waste water and sewage containing particles (maximum 38 mm)
Particle Diameter to be able to pass through the Suction Inlet: 38 mm
- **GRINDER** : The most important feature of this pump is the presence of steel shredder blade produced with micro-casting method. Pump body, motor frame, suction cover and adjustment ring impeller are molded. Pump shaft, cantilever, bolts and screws are stainless steel. Mechanical seal is silicon/carbide.
Fluid Characteristics: Waste water containing solid substances and/or long-size fibers. 10 meter power cable is supplied as standard with all models. Pumps must be run with the appropriate electrical panels.

Technical Specifications

Operating Range	: DRENAG FEKA GRINDER	6-33 m ³ /h flow rate and discharge height up to 19,2 m. 6-30 m ³ /h flow rate and discharge height up to 15,5 m. 2-9 m ³ /h flow rate and discharge height up to 26,5 m.
Fluid Temperature	: 0 °C to 55 °C	
Maximum immersion depth	: 10 meters	
Insulation Class	: F	
Protection Level	: IP 68	

GENIX

(Automatic Waste Water Collection and Transfer Unit)



Automatic units for the collection and transfer of waste water, are used in conditions when the waste water cannot be discharged with its own flow. The unit is directly mounted behind the WC and thus prevents unnecessary use of pipe and fittings. This unit is also suitable for use in buildings under construction and restoration, and etc. Depending on the model the taps and shower can be connected together with WC. GENIX with its attractive design, superior technology and production quality, becomes essential for installing additional units whether at bottom elevations or at higher elevations in the buildings. The pump is powerful and quiet. Pump and shredding device are stainless steel. Thanks to the built-in pump cleaning system, the unit is maintenance-free. It is easy to install and also has been designed so as to link a shower tray. There is a check valve on the discharge side and by means of this check valve, the cover can be taken out without removing the discharge tube.



Technical Specifications

CONSTRUCTIONAL CHARACTERISTICS

Tank in Barium 15% polypropylene. In the Comfort version, soundproof shield in Barium 70% polypropylene. Impeller in PPO 30% GF. Motor shaft in stainless steel. Grinding blades in nickel plated stainless steel.

MOTOR CONSTRUCTIONAL CHARACTERISTICS

Asynchronous motor in stainless steel.

Shaft and motor sleeve in stainless steel.

Thermal protection for overheating. Motor shaft wear resistant.



*COMFORT VERSION WITH NOISE ABSORBING SHIELD, THAT FURTHER REDUCES THE NOISE EMISSIONS BY 5 dB



50 °C
MAXIMUM
TEMPERATURE
OF PUMPED LIQUID



SIMPLIFIED ACCESS TO
UNBLOCK THE GRINDING
BLADES



EASY ACCESS TO: CAPACITOR,
ELECTRONIC BOARD AND
PRESSURE SWITCH



DRAINING TAP
*draining pipe included



GENIX 110

GENIX COMFORT* 110



GENIX 130

GENIX COMFORT* 130

ACCESSORIES



ACOUSTIC ALARM



ADAPTING FLEXIBLE HOSE



WATER BOOSTERS - PUMP SYSTEMS

Deep Well Submersible Pumps

IDEA Series

(4" Deep Well Submersible Pumps)



- This submersible pumps are suitable for wells at 4" or larger size
- It can be used for supply of running water, filling pressure tanks, systems that require pressure and irrigation systems
- Single-phase and three-phase models are available.

Technical Specifications

Operating Range	: 0,4 - 2,4 m ³ /h flow rate and discharge height up to 52 mWc.
Protection Class	: IP 68
Fluid Characteristics	: Clean and non-aggressive water
Fluid Temperature	: 0 - 35 °C

KESON Series

(5" Keson Deep Well Submersible Pumps)



- 5 " monoblock Keson well pumps can be used in collecting tanks, reservoirs, 6" and large-scale wells, ponds or water channels
- It is suitable for use in the pressurized water supply for domestic systems, small-scale agricultural applications, irrigation of gardens through sprinklers
- These pumps which are indeed quiet, eliminate all the suction problems that may occur in wells and tanks
- The hydraulic part of the monoblock multi-stage Keson well pump is mounted under discharged fluid and cooling motor, thermoplastic impeller and diffusers are highly resistant to abrasion
- Pump shaft, bolts and screws are stainless steel
- Pump body is made of AISI 304 stainless steel material
- Double mechanical seal system consists of silicone carbide at pump side and ceramic carbide at motor side, and cooled by the discharged fluid
- The stator is combined with a coating comprising AISI 304 stainless steel, weather-resistant cable and a capacitor
- All pumps are supplied with 20-meter power cable as standard

Technical Specifications

Operating Range	: Maximum 0,9 m ³ /h flow rate and discharge height up to 86 meters.
Fluid Characteristics	: Clean water containing 50 g/m ³ sand
Maximum Fluid Temperature	: +40 °C
Maximum immersion depth	: 20 meters
Insulation Class	: F
Motor Protection Class	: IP 68



Air Conditioning Systems

The Ideal Solution For Every Space

Environment friendly wall-mounted and free-standing split air-conditioners with A-class energy and R410A gas in Baymak product range are comprised of an internal and an external unit. These air conditioners higher comfort features due to working at a very low noise level. They can be used smoothly in residential areas and offices free-standing split air-conditioners especially provide an ideal solution for crowded grand places such as the shops and meeting rooms.

Baymak air-conditioners that provide homogeneous air distribution with high-speed and powerful fan systems aslo have inverter-models that provide electrical saving.



AIR CONDITIONING SYSTEMS

- ELEGANT PLUS SERIES WALL-MOUNTED SPLIT AIR CONDITIONERS
- FS 48 SERIES FLOOR-STANDING SPLIT AIR CONDITIONERS
- SPLIT INVERTER AIR / WATER HEAT PUMP SYSTEMS
- MONOBLOCK INVERTER AIR / WATER HEAT PUMP SYSTEMS
- MONOBLOCK AIR / WATER HEAT PUMP SYSTEMS
- MONOBLOCK SPA AIR / WATER HEAT PUMP SYSTEMS
- WATER HEAT PUMP WITH STORAGE TANK (190 Liter)
- AIR / WATER HEAT PUMP WITH STORAGE TANK (300 Liter)



AIR CONDITIONING SYSTEMS

Wall-Mounted Split Air Conditioners

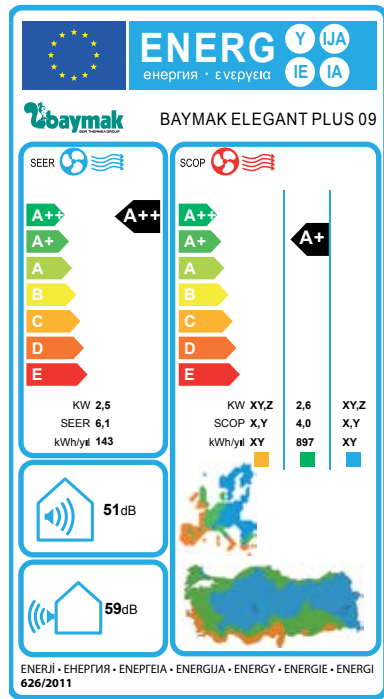
ELEGANT PLUS Series

Wall-Mounted Split Air-Conditioners



- New Generation Inverter
- With High Efficiency R410A Gas
- According to New Energy Related Products (ERP) directives, 'A++' energy class in cooling and 'A+' energy class in heating sector
- Refreshing air circulation with Ionizer Technology
- "I feel Technology": Access to the temperature which you want to feel where you are in the room
- Digital Screen
- Auto restart
- Temperature sensing LCD remote control
- With Intelligent Cleaning Function, deodorization and protection against possible duct in internal units of AC
- Silver Ions and Active Carbon Filtering system
- Timer function
- High Dehumidification Capacity
- Sleep Mode
- Defrost Feature
- Quiet Operation
- High Heating Performance with Heat Pump
- Corrosion-Resistant Golden Fins
- Fan control system
- Automatic Operation Mode
- Easy to clean Front Panel and Filter
- Triple Filtering System
- 3-minute safety protection

AC Technical Specifications



Technical Data Sheet

Models	WALL-MOUNTED SPLIT AC			
	ELEGANT PLUS 09	ELEGANT PLUS 12	ELEGANT PLUS 18	ELEGANT PLUS 24
Seasonal Energy Class (Cooling)	A++	A++	A++	A++
Seasonal Energy Class (Heating)	A+	A+	A+	A+
Electrical Values (V/Faz/Hz)	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50	220 / 1 / 50
Pdesign Cooling Capacity (Btu/h)	8,530	11,942	18,084	22,178
Cooling Capacity (Btu/h)	8,530(3,412~11,260)	11,942(4,094~12,966)	18,084(6,483~18,766)	22,178(9,895~24,908)
Cooling Electricity Consumption (Kw/h)	0,79(0,10~1,44)	1,09(0,10~1,60)	1,580(0,21~1,73)	2,18(0,37~2,90)
SEER(W/W)	6,1	6,1	6,1	6,1
Cooling Operation Current (A)	3,50(0,60~6,40)	4,97(0,60~7,10)	7,20(0,90~7,70)	10,20(1,60~12,80)
Pdesign Heating Capacity (Btu/h)	8,871	9,212	14,672	19,790
Heating Capacity (Btu/h)	9,042(3,753~11,260)	12,113(3,412~12,966)	18,425(4,777~19,107)	24,908(7,165~27,296)
Heating Electricity Consumption (Kw/h)	0,73(0,20~1,40)	1,00(0,20~1,35)	1,50(0,31~2,00)	2,02(0,44~2,60)
SCOP(W/W)	4,0	4,0	4,0	4,0
Heating Operation Current (A)	3,30(0,90~6,20)	4,43(0,90~6,00)	6,50(1,40~8,80)	8,80(1,90~11,50)
Air Flow (m3/h)	650	650	1,000	1,200
Dehumidification Capacity (l/h)	0,950	1,300	1,860	2,550
Internal Unit Sound Pressure (dB) (Quiet Mode-Low-Medium-High Fan Speed)	24 - 29 - 33 - 37	25 - 30 - 34 - 38	30 - 35 - 40 - 42	36 - 40 - 44 - 47
External Unit Sound Pressure (dB)	49	49	53	55
Internal Unit Sound Level (dB)	51	53	54	60
External Unit Sound Level (dB)	59	60	63	68
Gas measure (gr)	780	750	1,400	1,900
Internal Unit Dimension (mm)	800*300*198	800*300*198	970*315*235	1,100*330*235
External Unit Dimension (mm)	720*540*260	720*540*260	802*535*298	800*690*300
Internal Unit Weight (kg)	9	9	14	16
External Unit Weight (kg)	27	27	35	50
Copper Pipe Dimensions (inch)	1/4-3/8	1/4-3/8	1/4-1/2	1/4-5/8
Copper pipe quantity which is given with the product. (m)	4	4	4	5
Max. Vertical*Horizontal Copper Pipe Distance (m)	20	20	25	25
Max. Vertical Copper Pipe Distance (m)	10	10	15	15
Gas Measure To Be Added For Every Each Extended Copper Pipe (gr)	20	20	30	40
Cross-section Measurements Of Power Cables	1,5 mm ²	1,5 mm ²	1,5 mm ²	2,5 mm ²
Cross-section Measurements Of Connection Cables	1 mm ²	1 mm ²	1,5 mm ²	2,5 mm ²

FS 48 Series

Floor-Standing Split Air-Conditioners



- 48.000 btu cooling, 50.000 btu heating capacity
- Additional electric resistance for heating capacity of 9300 btu
- With R410A new generation gas
- LCD display
- 5 liters / hour dehumidification capacity
- Antibacterial filter

Technical Specifications



Additional Heater Resistance Feature:

Electric resistance is provided as standard in addition to the heat capacity with Heat Pump in our free-standing-type air conditioners. 24 FS free-standing air-conditioners running with 220 V single-phase electricity are also suitable for domestic use.



Quiet Operation with Rotary Compressor:

In Baymak air-conditioners, the world's well-known Japanese companies compressors are being used. Rotary type state of the art compressors have quiet operation features.



Antibacterial Filter:

A comfortable environment is provided by eliminating the cigarette smoke, particles in the ambient, unwanted odors by means of antibacterial filter.



Dehumidifier Feature:

The level of humidity of the environment is reduced without changing the ambient temperature through a special micro -processor within the Baymak air conditioners. By reducing the ambient humidity, a healthy and qualified ambient air is obtained.

Digital Display:

Thanks to the new design digital displays of Baymak air-conditioners, you can be able to see the adjusted functions and temperature.

Technical Data Sheets

Models	FLOOR STANDING AC 48 FS SALON
Energy Class (Cooling)	C
Energy Class (Heating)	E
Electrical Ratings (V/Phase/Hz)	380 / 3 / 50
Cooling Capacity (Btu/h)	47,768
Cooling Electricity Consumption (kw/h)	4,98
EER (W/W)	2,81
Cooling Operating Current (A)	7,50
Heating Capacity (Btu/h)	50,156
Heating Power Consumption (kw/h)	5,23+3
COP (W/W)	2,81
Heating Operating Current (A)	7,9+4,5
Air Flow (m ³ / h)	2,100
Dehumidification capacity (L / h)	5,000
Internal Unit Max. Sound Level (dB)	52
External Unit Max. Sound Level (dB)	62
Gas measure (gr)	3,300
Internal Unit Dimensions (mm)	360*560*1,910
External Unit Dimensions (mm)	340*1,255*945
Internal Unit Weight (kg)	58
External Unit Weight (kg)	105
Copper Tube Size (inch)	3/8-3/4
Copper pipe quantity which is given with the product (m)	5
Max. Vertical+horizontal copper pipe distance (m)	25
Max. Vertical copper pipe distance (m)	15
Gas Measure To Be Added For Every Each Extended Copper Pipe (gr)	60
Cross-section Measurements Of Power Cables	2,5 mm ²
Cross-section Measurements Of Connection Cables	5*1,5 mm ² +5*0,75 mm ²





AIR CONDITIONING SYSTEMS

Heat Pump Systems



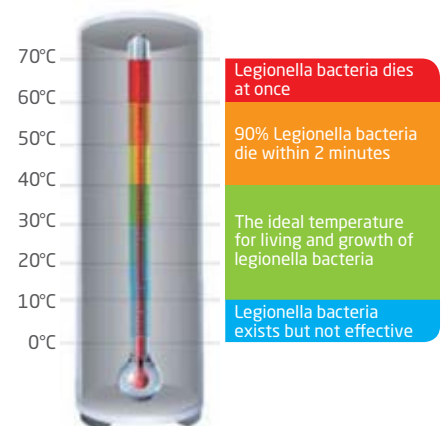
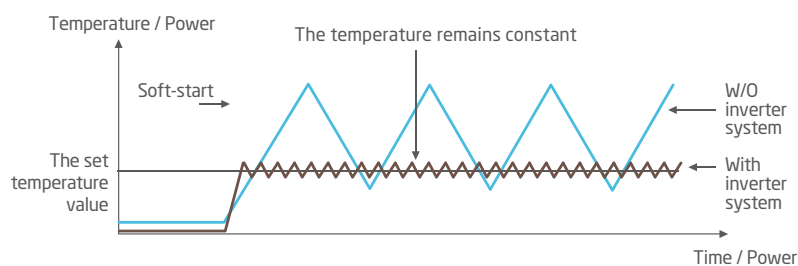
SPLIT INVERTER AIR / WATER

Heat Pump Systems

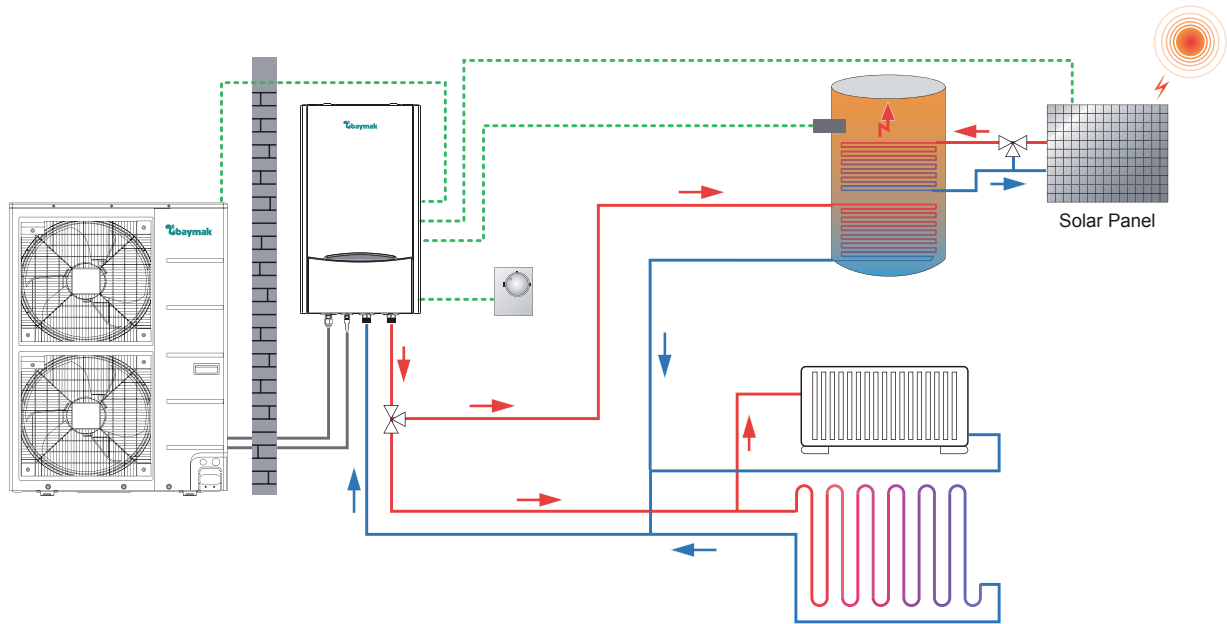


- DC Inverter Technology (Thanks to inverter technology, a more silent, economical and powerful heating pump)
- Environment friendly R410 gas
- COP values reaching up to 4,31
- Weekly automatic legionella program

Technical Specifications



Application Sample



Technical Data Sheets

SPLIT TYPE MODELS 60°C		BH-SM 60	BH-SM 80	BH-SM 100	BH-SM 120	BH-SM 140	BH-SM 160	BH-ST 120	BH-ST 140	BH-ST 160
EXTERNAL UNIT										
Nominal Capacity HEATING	kW	6	8	10	12	14	16	12	14	16
Nominal Capacity COOLING	kW	6	8	10	12	14	16	12	14	16
COP HEATING		4,73	4,52	4,66	4,61	4,31	4,08	4,54	4,35	4,19
EER COOLING		4,66	4,49	4,83	4,7	4,45	3,87	4,29	4,05	3,83
Dimension W*H*D*	mm	960/860/380	1075/965/395	900/1327/400	900/1327/400	900/1327/400	900/1327/400	900/1327/400	900/1327/400	900/1327/400
Weight	kg	60	76	99	99	99	99	115	115	115
Compressor		Twin Rotary DC Inverter								
Sound Pressure Level	dB (A)	66	68	67	68	71	72	70	72	72
Outer Air Working Range HEATING	°C	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35
Outer Air Working Range COOLING	°C	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46
Cooler Fluid (R410) Pipe diameter (Liquid)	mm inch	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)	Ø9.5 (3/8)
Cooler Fluid (R410) Pipe diameter (Gas)	mm inch	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)	Ø15.9 (5/8)
Power Resource	P/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	3/380-415/50	3/380-415/50
Recommended Fuse	A	20	22	35	35	35	35	18	18	18
INTERNAL UNIT										
Outer Water Temperature Range - HEATING	°C	25-60	25-60	25-60	25-60	25-60	25-60	25-60	25-60	25-60
Outer Water Temperature Range - COOLING	°C	7-25	7-25	7-25	7-25	7-25	7-25	7-25	7-25	7-25
Dimension W*H*D*	mm	400/865/427	400/865/427	400/865/427	400/865/427	400/865/427	400/865/427	400/865/427	400/865/427	400/865/427
Weight	kg	51	54	54	54	54	54	54	54	54
Internal Electrical Heater	kW	3	3	3	3	3	3	4,5	4,5	4,5
Sound Pressure Level	dB (A)	63	63	64	67	71	72	67	71	72
Water Pipe Connection INLET	mm	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25
Water Pipe Connection OUTLET	mm	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25	DN 25
Power Resource	P/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	3/380-420/50	3/380-420/50	3/380-420/50
Recommended Fuse	A	17	17	17	17	17	17	10	10	10

Test Conditions

1. Heating: Outer Air Temperature 7/6 °C (DB/WB), Water Inlet Temperature 30°C, Water outlet temperature 35°C.
2. Cooling: 35°C/24°C (DB/WB), Water Outlet temperature 18°C

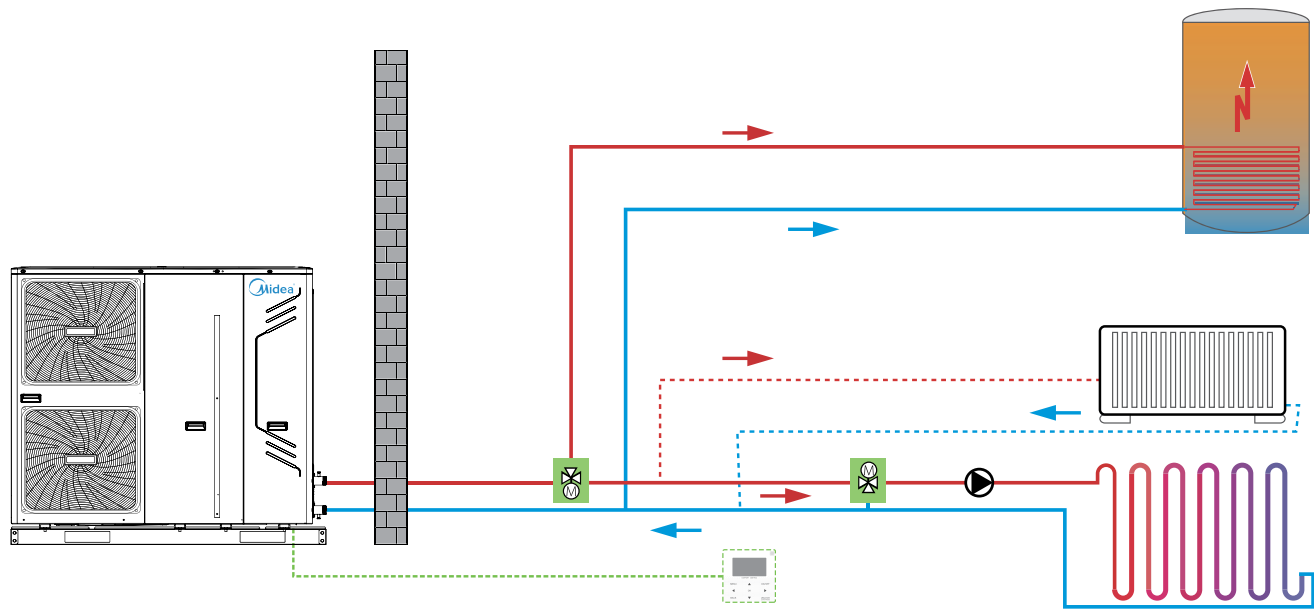
MONOBLOCK INVERTER AIR / WATER

Heat Pump Systems



- DC Inverter Technology (Thanks to Inverter Technology, more silent and economic and strong heat pump)
- Compact Design, easy installation
- Environmentally Friendly R410 gas
- COP values up 4,80
- Weekly automatic legionella programme
- 60 °C outlet water temperature
- According to needs, using alternatives (holiday mode, eco mode, silent mode, comfort mode and etc)
- Modbus protocole

Technical Specifications



Technical Data Sheet

MONOBLOCK TYPE MODELS 60°C		BH-MM 50	BH-MM 70	BH-MM 90	BH-MM 100	BH-MM 120	BH-MM 140	BH-MM 160	BH-MT 120	BH-MT 140	BH-MT 160
Nominal Capacity HEATING	kW	5	7	9	10	12	14	16	12	14	16
Nominal Capacity COOLING	kW	5	7	8,35	10	12	14	16	12	14	16
COP HEATING		4,79	4,52	4,3	4,57	4,46	4,34	4,19	4,48	4,33	4,2
EER COOLING		4,72	4,53	3,97	4,98	4,70	4,41	4,05	4,61	4,32	4,03
Internal Electrical Heater	kW	-	-	1,5+1,5	1,5+1,5	1,5+1,5	1,5+1,5	1,5+1,5	4,5	4,5	4,5
Dimension (mm)	W	1210	1210	1210	1404	1404	1404	1404	1397	1397	1397
	H	945	945	945	1414	1414	1414	1414	1408	1408	1408
	D	402	402	402	405	405	405	405	400	400	400
Weight	kg	99	99	99	162	162	162	162	174	174	174
Compressor		Twin Rotary DC Inverter									
Sound Pressure Level	dB (A)	63	63	64	64	67	71	72	67	71	72
Outer Air Working Range HEATING	°C	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35	-20/35
Outer Air Working Range COOLING	°C	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46	-5/46
Outlet Water Temperature Range HEATING	°C	25-60	25-60	25-60	25-60	25-60	25-60	25-60	25-60	25-60	25-60
Outlet Water Temperature Range COOLING	°C	5-25	5-25	5-25	5-25	5-25	5-25	5-25	5-25	5-25	5-25
Water Pipe Connection INLET	mm	DN 25	DN 25	DN 25	DN 32	DN 32	DN 32	DN 32	DN 32	DN 32	DN 32
Water Pipe Connection OUTLET	mm	DN 25	DN 25	DN 26	DN 32	DN 32	DN 32	DN 32	DN 32	DN 32	DN 32
Power Resource	P	1	1	1	1	1	1	1	3	3	3
	V	220-240	220-240	220-240	220-240	220-240	220-240	220-240	380-415	380-415	380-415
	Hz	50	50	50	50	50	50	50	50	50	50
Recommended Fuse	A	22	24	24	35	35	35	35	18	18	18

Test Conditions

1. Heating: Outer Air Temperature 7/6 °C (DB/WB), Water Inlet Temperature 30°C, Water outlet temperature 35°C.
2. Cooling: 35°C/24°C (DB/WB), Water Outlet temperature 18°C

MONOBLOCK AIR / WATER

Heat Pump Systems

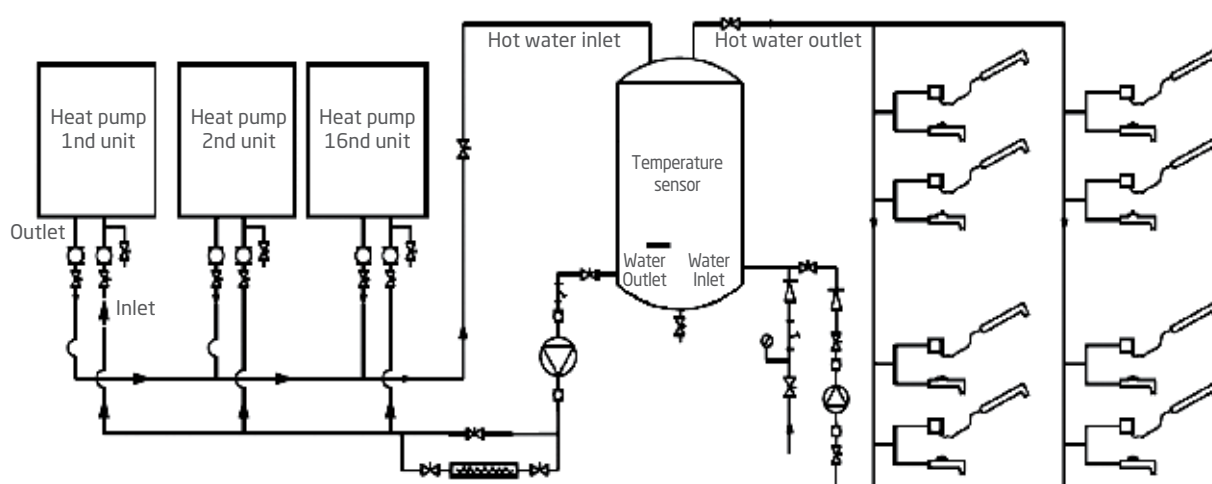


- COP values reaching up to 4.13
- Environment friendly R410 gas
- Defrost feature
- High efficiency compressor
- Safe operation with special gas and fluid balance design
- Ease of use
- LCD display
- Adjustment of outlet water temperature between 40 °C and 60 °C
- Memory function against power outages
- Displaying error codes on the screen, controlling the operation parameters
- Start time function

Wired Room Thermostat



Technical Specifications



16 pcs heat pumps can be connected to each other in the form of cascade.

Technical Data Sheets

MODELS			HP-CM 110	HP-CM 200	HP-CM 430
Power Supply	Ph-V-Hz		1-220-50	3-380-50	3-380-50
Water Heating	Capacity	kW	11,2	20,4	43
	Input Power	kW	2,85	5,2	10,5
Input Power		kW	3,97	7,5	15,26
Compressor	Model		ZP36KSE-PFZ-522	ZP67KCE-TFD-522	ZP67KCE-TFD-420
	Type		SCROLL	SCROLL	SCROLL
	Brand		COPELAND	COPELAND	COPELAND
	Capacity	kW	8,8	16,2	16,2
	Input Power	kW	2,94	5,2	5,2
	Current Drawed At Normal Operation	A	13,6	9,1	9,1
	Current Drawed At Start-up	A	98	74	74
	Thermal Protection	°C	145	135	135
External Unit Fan Motor	Model		YDK140-6N	YDK220-6R	YDK550-6E
	Brand		Welling	Changzhouyongan	Changzhouyongan
	Input Power	W	230x1	360x1	865x1
	Speed	r/min	735 / 530	905 / 730	830 / 710
Sound Level		dB(A)	61	61	62
Dimensions	Net Dimensions (WxHxD)	mm	750x1100x750	750x1100x750	992x1750x893
	Net / Gross Weight	kg	121 / 129	145 / 152	290 / 297
Type of Refrigerant / Amount		Kg	R410a 1,5	R410a 2,8	R410a 5,7
Design Pressure		MPa	4,4 / 2,6	4,4 / 2,6	4,4 / 2,6
Ambient Temperature		°C	(-15~43)	(-15~43)	(-15~43)
Water Piping	Water Inlet Pipe	mm	DN25	DN25	DN25
	Water Outlet Pipe	mm	DN25	DN25	DN32
Hot Water Flowrate		m³/h	0,25	0,52	1,0
Water Outlet Temperature		°C	(default) 56 °C	(default) 56 °C	(default) 56 °C
			40°C~60°C	40°C~60°C	40°C~60°C

Test Conditions:

Outdoor temperature: 20/15 °C (DB/WB), Input Water Temperature: 15 °C, Output water temperature: 55 °C.

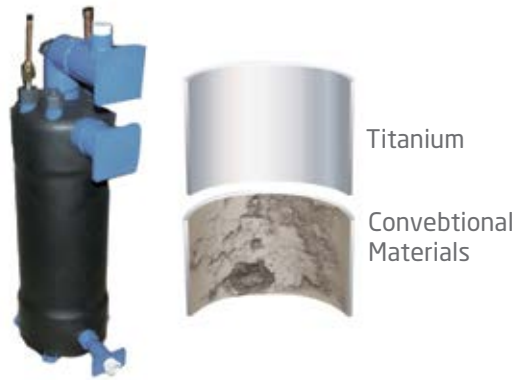
MONOBLOCK SPA AIR / WATER

Heat Pump Systems



- Titanium heat exchanger
- COP values of up to 5.49
- LCD Display
- 15 m wired control option
- Automatic defrost feature
- Capable of making both heating and cooling

Technical Data Sheets



Technical Data Sheets

MODELS			HP-PM 60	HP-PM 80	HP-PM 120	HP-PM 140
Power Supply	Ph-V-Hz		1-220-50	1-220-50	1-220-50	1-220-50
At Heating Mode	Output Water Temperature Value	°C	Default 28°C, 20°C ~ 35°C			
At Cooling Mode	Output Water Temperature Value	°C	Default 28°C, 10°C ~ 30°C			
Maximum Current	A		6,3	8,0	13,7	16
Heating	Capacity	kW	6	8	12	14
	Input Power	kW	1,15	1,52	2,4	2,55
	Outdoor Temperature	°C	(-7~38)	(-7~38)	(-7~38)	(-7~38)
	COP	kW/kW	5,22	5,27	5	5,49
Cooling	Capacity	kW	4	5,8	8,4	10,4
	Input Power	kW	1,3	1,5	2,4	2,9
	Outdoor Temperature	°C	(15~43)	(15~43)	(15~43)	(15~43)
	EER	kW/kW	3,2	3,9	3,5	3,6
Dimensions	Net Dimensions (WxHxD)	mm	1015x705x385	1015x705x385	1050x855x315	1050x855x315
	Net/GrossWeight	kg	64 / 73	66 / 75	75 / 85	75 / 85
Sound Level	dB(A)		58	58	58	58
Type of Refrigerant / Amount	Kg		R410a 1,5	R410a 1,25	R410a 1,6	R410a 1,85
Water Side	Heat Exchanger Materia		Titanium Heat Exchanger			
	Water Inlet Pipe	mm	DN50	DN50	DN50	DN50
	Water Inlet Pipe	mm	DN50	DN50	DN50	DN50

Test Conditions:

Water Heating : Outdoor Temperature: 24/19 °C (DB / WB), Input Water Temperature: 27 °C, Output Water Temperature: 29 °C.

Water Cooling : Outdoor Temperature: 35/24 °C (DB / WB), Input Water Temperature: 27 °C

WATER HEAT PUMP WITH STORAGE TANK

(190 Liter)



- Environment Friendly R134 A gas
- Adjustable outlet water temperature (38°C - 70°C)
- Automatic mode and Holiday mode options
- Weekly Automatic Disinfection Function
- Unique defrost function with 4-way valve
- LCD display
- Displaying error codes on the screen and controlling the operation parameters
- Ease of use
- Duct length up to 5 meter with 15 Pa air outlet pressure



Flexible Duct Setting

Living Room



Dinner Room



Tank Room



Technical Data Sheet

MODEL			HP-BM 190 LT	
Heating Supply			Heat Pump	With Extra Heater
Operation Environment Temperature			°C	-7-43
Water Outlet Temperature			°C	38 - 70
Power Supply			Ph-V-Hz	220-240 ~ -1 -50
Tank Dimension			l	190
Water Heating	Capacity	kW	1,45	3
	COP	kW/kW	3,6	1
	Max. Current	A	17.0	
Ambient Temperature			°C	-20~43
Dimensions	Net Dimensions (Dia. X H.)	mm	Ø 560x1,680	
	Net / Brut Weight	kg	94/110	
Sound Level			dB(A)	41
Cooling Fluid Type/Quantity			kg	R134a/0,9
Cooling Fluid Design Pressure			MPa	3,0/1,2
Tank Design Pressure			MPa	0,15~1,2
Compressor	Model		Rotary	
	Brand		GMCC	
	Capacity	kW	1,390/1,405	
	Input Power	kW	0,515/0,540	
Fan Motor	Input Power	W	28/26/26	
	Speed	r/min	900/815/680	
Water Piping	Water inlet pipe	mm	DN20	
	Water outlet pipe	mm	DN20	
	Drainage Pipe	mm	DN20	
	Safety Valve Connection	mm	DN20	
	Maximum working pressure	MPa	1,0	
Extra Heater			3	
Hot Water Flow			m³/h	0,043
Number of User			3-4	

Test Conditions:

Outdoor air temperature 15°C / 12°C (DB / WB), inlet water temperature 15°C, outlet water temperature 45°C

AIR / WATER HEAT PUMP WITH STORAGE TANK

(300 Liter)

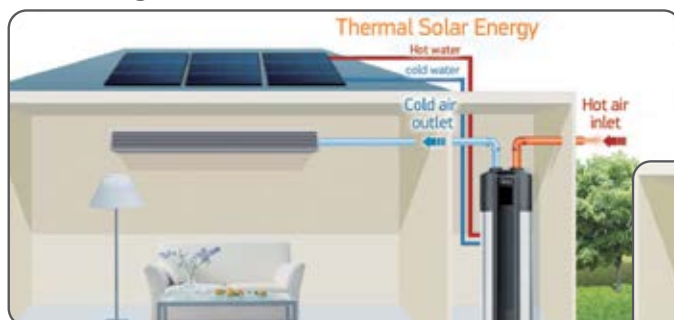


- Environment Friendly R134 A gas
- Adjustable outlet water temperature (38°C - 60°C)
- Automatic mode and Holiday mode options
- Weekly Automatic Disinfection Function
- Unique defrost function with 4-way valve
- LCD display
- Displaying error codes on the screen and controlling the operation parameters
- Ease of use
- Duct length up to 10 meter with 25 Pa air outlet pressure



Flexible Duct Setting

Living Room



Dinner Room



Tank Room



Technical Data Sheet

MODEL		HP-BM 300 LT	
Heating Supply		Heat Pump	With Extra Heater
Operation Environment Temperature		°C	-7-43
Water Outlet Temperature		°C	38 - 60
Power Supply		Ph-V-Hz	220-240 ~ -1 -50
Tank Dimension		l	300
Water Heating	Capacity	kw	3
	COP	kw/kw	3,6
	Max. Current	A	18,7
Ambient Temperature		°C	-20~43
Dimensions	Net Dimensions (Dia. X H.)	mm	Ø 650x1,920
	Net / Brut Weight	kg	123/144
Sound Level		dB(A)	48
Cooling Fluid Type/Quantity		kg	R134a/1,2
Cooling Fluid Design Pressure		MPa	3,0/1,2
Tank Design Pressure		MPa	0,15~1,2
Compressor	Model		Rotary
	Brand		Mitsubishi
	Capacity	kw	2,785/3,355
	Input Power	kw	0,895/1,095
Fan Motor	Input Power	W	68/56/50
	Speed	r/min	620/530/465
Water Piping	Water inlet pipe	mm	DN20
	Water outlet pipe	mm	DN20
	Drainage Pipe	mm	DN20
	Safety Valve Connection	mm	DN20
	Maximum working pressure	MPa	1,0
Extra Heater			3
Hot Water Flow		m³/h	0,086
Number of User			5-6

Test Conditions:

Outdoor air temperature 15°C / 12°C (DB / WB), inlet water temperature 15°C, outlet water temperature 45°C



Auxiliary Equipment

Practical and Fast Solutions

As Baymak, "customer satisfaction" is always our priority. Therefore, our customers can obtain any kind of product that they want without the need for any other company within the scope of the Project from Baymak. Another advantage of this is to deal with a single company after the sale and finding practical and fast solutions to the problems. You will find all kinds of equipment you are looking for at Baymak and by providing well-supported projects you will receive a service free of problems.



AUXILIARY EQUIPMENT

- PANEL RADIATORS
- TOWEL RADIATORS
- THERMOSTATIC RADIATOR VALVES
- RADIATOR VALVES
- BGE-1 SERIES SINGLE STAGE GAS BURNER
- BGE-2 SERIES DUAL STAGE GAS BURNER
- BGE-3 SERIES MODULATING GAS BURNERS
- CLOSED EXPANSION TANKS
- OPEN EXPANSION TANKS



AUXILIARY EQUIPMENT

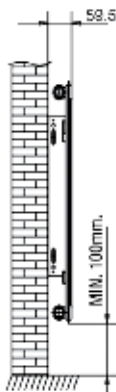
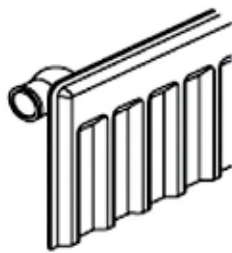
Panel Radiators

PANEL RADIATORS



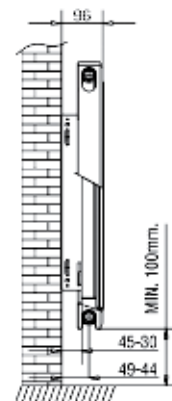
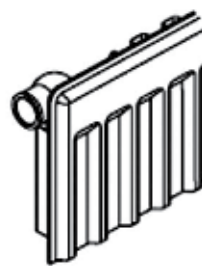
- Baymak Panel Radiators are produced in 5 different types (10-P, 11-PK, 21-PKP, 22-PKKP, 33-DKEK), 6 different heights (300-400-500- 600-700-900 mm) and 27 different lengths ranging from 400 mm to 3000 mm
- Thanks to the resistance to high pressure and volume of water due to the 33 mm optimum pitch, economy and efficiency are obtained in the operating costs
- It has a feature of installing into the place of cast iron and steel sectional radiators with the patented fittings
- Suitable for floor-fed installations with trimmed types. If required, can be mounted to the floor by means of a special accessory
- Resistant to shocks during shipping and installation with the special packaging. High-performance, reasonable price and fast delivery are our main principles.

TYPE 10-P



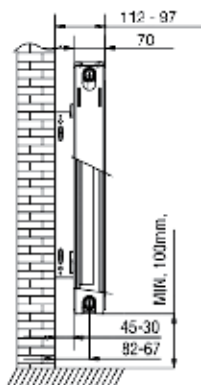
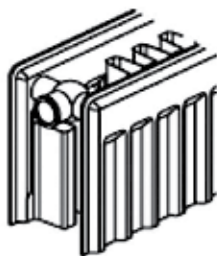
Width	47,5 mm
Height	300, 400, 500, 600, 700, 900 mm
Length	400 mm - 3000 mm
Clearance	100 mm - 400 mm - 1600 mm - 200 mm - 1600 mm - 3000 mm

TYPE 11-PK



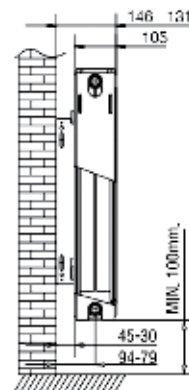
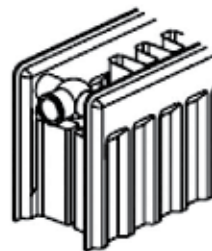
Width	47,5 mm
Height	300, 400, 500, 600, 700, 900 mm
Length	400 mm - 3000 mm
Clearance	100 mm - 400 mm - 1600 mm - 200 mm - 1600 mm - 3000 mm

TYPE 21-PKP



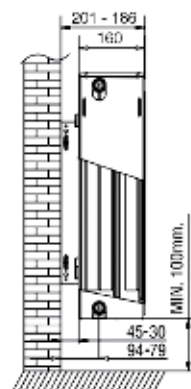
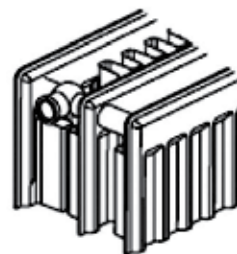
Width	70 mm
Height	300, 400, 500, 600, 700, 900 mm
Length	400 mm - 3000 mm
Clearance	100 mm - 400 mm - 1600 mm - 200 mm - 1600 mm - 3000 mm

TYPE 22-PKKP



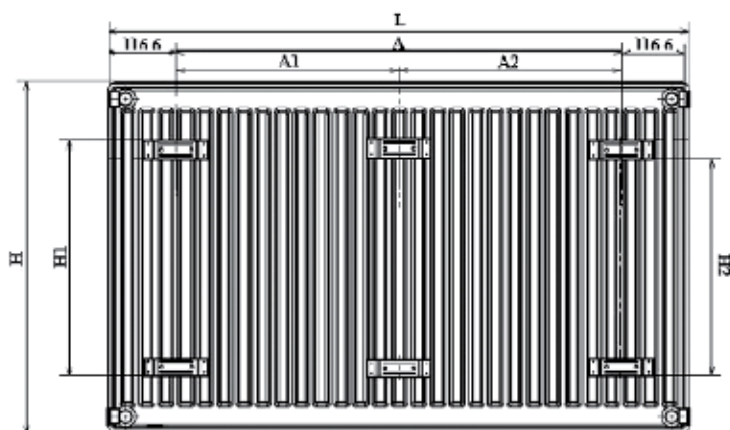
Width	105 mm
Height	300, 400, 500, 600, 700, 900 mm
Length	400 mm - 3000 mm
Clearance	100 mm - 400 mm - 1600 mm - 200 mm - 1600 mm - 3000 mm

TYPE 33-DKEK



Width	160 mm
Height	300, 400, 500, 600, 700, 900 mm
Length	400 mm - 3000 mm
Clearance	100 mm - 400 mm - 1600 mm - 200 mm - 1600 mm - 3000 mm

Suspension Plate Dimensions



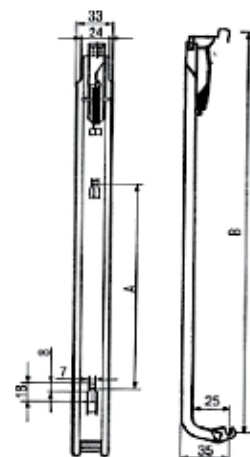
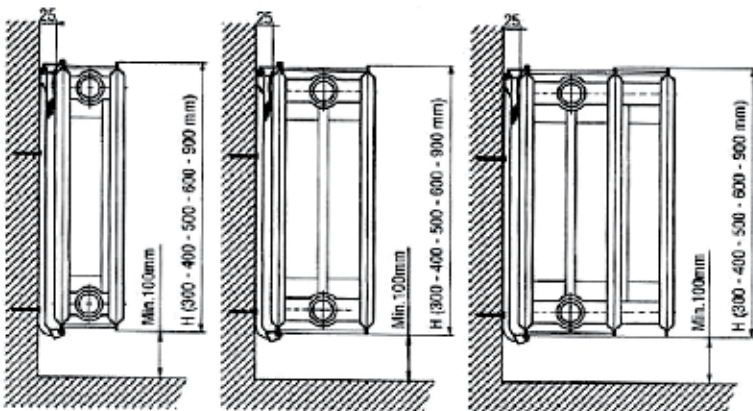
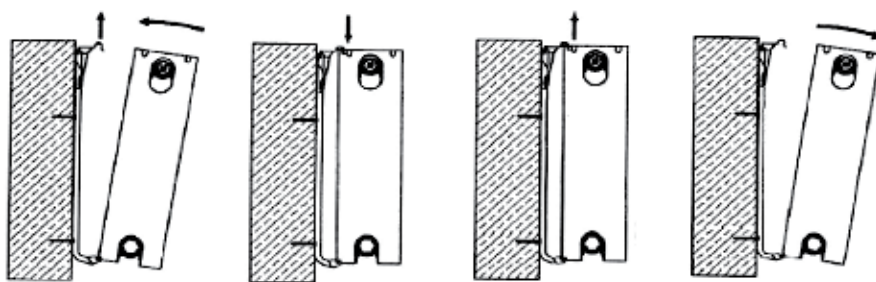
L	A	A1	A2
400	166,8		
500	266,8		
600	366,8		
700	466,8		
800	566,8		
900	666,8		
1000	766,8		
1100	866,8		
1200	966,8		
1300	1066,8		
1400	1166,8		
1500	1266,8		
1600	1366,8		
1800		783,4	783,4
2000		883,4	883,4
2200		983,4	983,4
2400		1083,4	1083,4
2600		1183,4	1183,4
2800		1283,4	1283,4
3000		1383,4	1383,4

Radiator Height (mm)	A (mm)	A1 (mm)
300	160	135
400	260	235
500	360	335
600	460	435
700	560	535
900	760	735

- There are three pairs of suspension brackets for radiators with more than 1600 mm of length among all types of radiators.

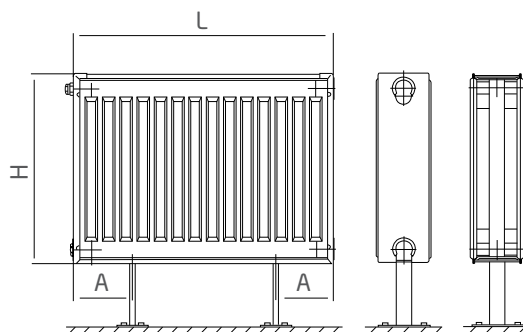
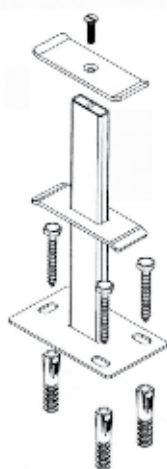
RADIATOR TYPE	Radiator Height (mm)	Distance Between Axis (mm)	Width (mm)	Weight (kg/m)	Water Volume (l/m)
10 - P 	300	245	45	6.40	1.50
	400	345	45	8.60	2.00
	500	445	45	10.30	2.60
	600	545	45	12.40	3.00
	700	645	45	14.50	3.40
	900	845	45	18.10	4.50
11 - PK 	300	245	45	8.00	1.50
	400	345	45	10.90	2.00
	500	445	45	13.20	2.50
	600	545	45	16.20	3.00
	700	645	45	18.90	3.40
21 - PK 	900	845	45	24.20	4.50
	300	245	76	13.90	3.00
	400	345	76	18.80	4.00
	500	445	76	21.00	5.00
	600	545	76	27.70	6.00
22 - PKKP 	700	645	76	32.30	6.80
	900	845	76	41.70	8.00
	300	245	100	35.60	3.00
	400	345	100	21.40	4.00
	500	445	100	27.60	5.00
33 - DKEK 	600	545	100	31.80	6.10
	700	645	100	39.40	6.80
	900	845	100	47.65	9.00
	300	245	162	23.30	4.50
	400	345	162	32.00	6.00
	500	445	162	39.30	7.50
	600	545	162	47.30	9.00
	700	645	162	55.20	10.00
	900	845	162	71.50	15.20

L-Console Dimensions



Radiator Height (mm)	A (mm)	B (mm)
300	90	298
400	190	398
500	290	498
600	390	598
900	690	898

Floor Mounting Accessories



L (mm)	H (mm)	A (mm)
At 100 mm intervals from 400 mm to 3000 mm	300 - 400 - 500 - 600 - 700 - 900	116.6

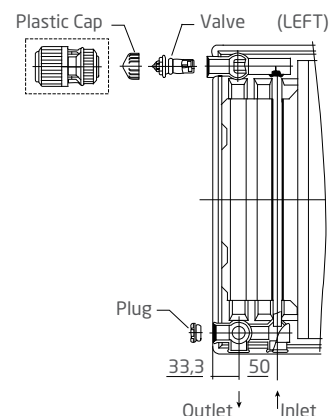
Valve Trimmed Panel Radiators

Baymak Panel Radiators with plugged and valve trimming types are suitable for floor-fed, thermostatic valve controlled installations.

The status of being plugged or valved, hot and cold water inlet-outlet ports direction (left-right) must certainly be specified for the orders.



Classical assembly can be made by means of special trimming with 4 inputs and outputs. For types of valve trimming, the valve is delivered by mounting into radiator and attaching a plastic cover. Thermostatic valve adjustment cap is provided from the market and installed into place of the plastic cover. In this way, automatic temperature control of radiators are provided.



TOWEL RADIATORS



- Creates aesthetics, modern, stylish and perfect solutions for warming and drying towels
- Electrostatic epoxy polyester powder coated / chrome-plated towel radiators are compliant with the accessories in your bathroom

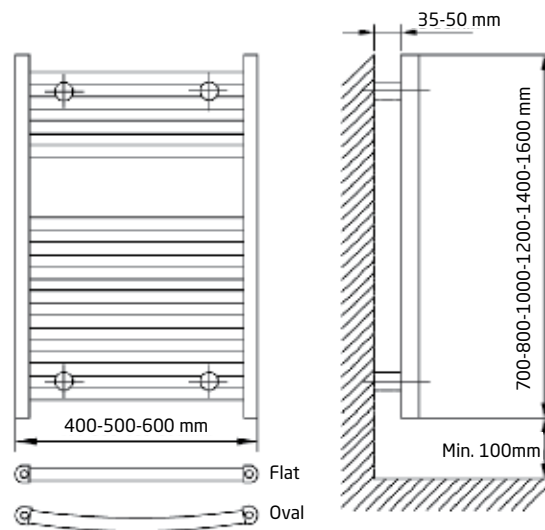


Technical Data Sheets

WIDTH (mm)	HEIGHT (mm)	BETWEEN AXIS (mm)	NUMBER OF TUBES	WATER VOLUME(l)	WEIGHT (kg)	THERMAL POWER (watt)	THERMAL POWER (kcal/h)
400	700	355	12	2,50	4,33	250	215
	800	355	15	2,98	5,17	301	259
	1000	355	18	3,65	6,30	367	315
	1200	355	22	4,45	7,61	444	382
	1400	355	24	4,98	8,57	498	428
	1600	355	28	5,75	9,88	575	495
500	700	455	12	2,87	4,98	296	255
	800	455	15	3,45	5,98	359	309
	1000	455	18	4,21	7,28	436	375
	1200	455	22	5,11	8,80	530	455
	1400	455	24	5,74	9,86	590	508
	1600	455	28	6,63	11,39	684	588
600	700	555	12	3,25	5,63	343	295
	800	555	15	3,92	6,79	417	359
	1000	555	18	4,78	8,25	506	435
	1200	555	22	5,80	9,99	615	528
	1400	555	24	6,49	11,16	683	587
	1600	555	28	7,51	12,91	792	681

Flat / elliptical white and chrome-plated towel radiators (Diameter: 22 mm)

Dimensions



THERMOSTATIC RADIATOR VALVES

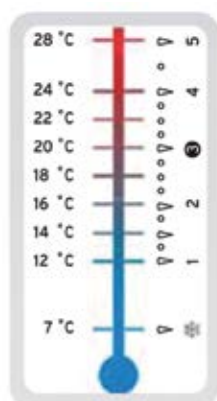


- Baymak Thermostatic Radiator Valves keep radiators under control
- Allows to set different temperatures for each room
- Mutes the amount of hot water entering the radiator, as the room reaches up to the desired temperature
- In this way, the room temperature does not exceed our desired temperature which prevents overheating
- Since we consume less energy due to minimum heating, it provides benefits both for our environment in terms of air-pollution and to our budget
- For efficient working, the top and front side of Baymak Thermostatic Radiator Valves should not be closed by curtains or furniture so that air flow should let free
- The air ducts over the Baymak Thermostatic Radiator Valves feel the warm air and work according to the principle of expansion of heat-sensitive sensor.



Advantages of Baymak Thermostatic Radiator Valves

- Provides saving in the amount of fuel consumption of natural gas LPG, coal, fuel oil that we use for heating.
- Thermostatic radiator valves mechanism provides a more aesthetic balance and image in comparison with conventional valves.
- Thermostatic radiator valves are designed as easy-to-use and maintenance-free.



Temperature values correspond to the figures remain on Baymak Thermostatic Valve are shown in the next table

Baymak Thermostatic Radiator Valves Features

- Compliant to Energy Efficiency Law No. 5627. The factory settings are adjusted between 15 and 28 °C. Do not require any extra setting.
- TS-EN 215 certified.
- Capable of performing flowrate and on - off adjustment by means of protection cap.
- The body and sealing compound group are entirely made of brass.
- Suitable for installation water temperature of maximum 120 °C.
- Provides an aesthetic harmony and appearance for areas of use with its stylish design.

RADIATOR VALVES

ANGULAR RADIATOR VALVES



- G 1/2" connection
- Angular model
- Relevant standard: TS 579
- Working pressure: 10 bar
- Maximum operating temperature: 120 °C

FLAT RADIATOR VALVE



- G 1/2" connection
- Flat model
- Relevant standard: TS 579
- Working pressure: 10 bar
- Maximum operating temperature: 120 °C

ANGULAR RADIATOR VALVE PEX



- G 1/2" connection
- Angular model
- Relevant standard: TS 579
- Working pressure: 10 bar
- Maximum operating temperature: 120 °C

RADIATOR RETURN VALVE



- G 1/2" connection
- Angular / Flat model
- Relevant standard: TS 579
- Working pressure: 10 bar
- Maximum operating temperature: 120 °C



AUXILIARY EQUIPMENT

BGE Series Gas Burners

BGE 1 Series (Single Stage Gas Burner) 17/48-34/70-49/108-49/120



There is constant gas and air flowrates in BG 1-series single-stage burners which means the activation and deactivation of the burner always constant in the same capacity. Air flap is set to a single point and requires no further change.

Advanced German technology, A-class gas path equipment are used in BG-Series gas burners.

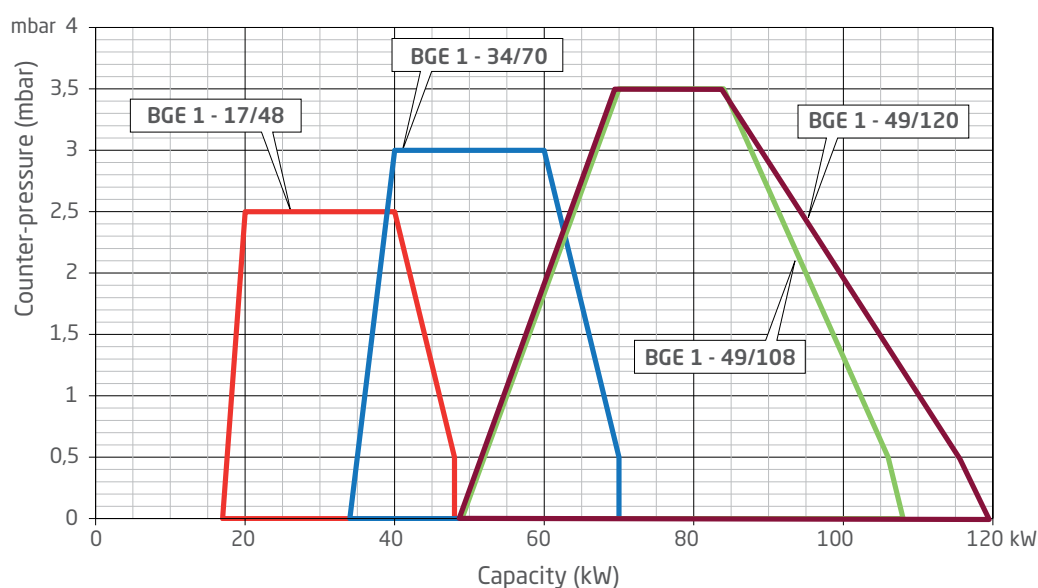
Baymak BGE series naturalgas and LPG fuel gas burners which conforms with European and international standards are presented to liking of consumers:

- Safety working with high quality
- Low fuel consumption
- Environment Friendly with low emission values
- Compact Dimensions
- Low Sound Level
- Service, installation and easy maintainance
- Easy installation with socket electric connection
- Thanks to accessibility to all important parts on combustion
- Appropriate electrical protection
- TS EN 676+A2 and 2009/142/ec in accordance with the directive of gas appliances

Technical Data Sheets

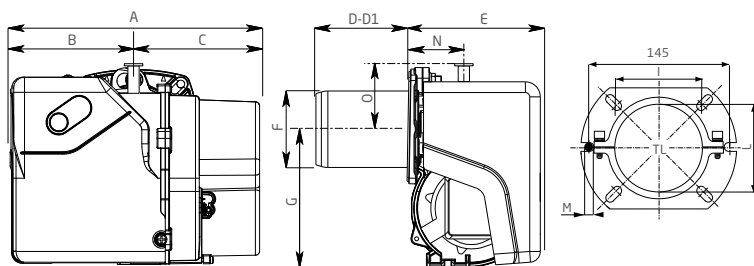
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm³/h	Max Nm³/h					
BGE 1 - 17/48 M 21 mbar	14.620	41.280	17	48	1,77	5,00	21	0,07	230	8,5	MBC 65 DLE
BGE 1 - 34/70 M 21 mbar	29.240	60.200	34	70	3,54	7,30	21	0,07	230	9	MBC 65 DLE
BGE 1 - 49/108 M 21 mbar	42.140	92.880	49	108	5,11	11,26	21	0,07	230	9,5	MBC 120 DLE
BGE 1 - 49/120 M 21 mbar	42.140	103.200	49	120	5,11	12,51	21	0,07	230	9,5	MBC 120 DLE

Capacity - Counter-Pressure Curves

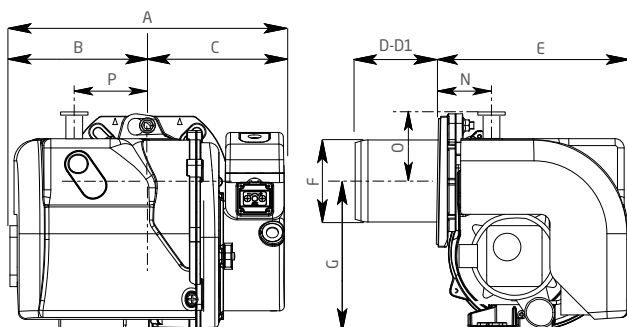


Burner Dimensions

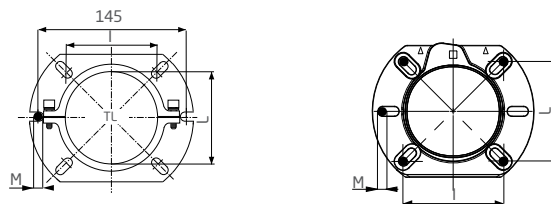
BGE 1 - 17/48



BGE 1 - (34/70, 49/108, 49/120)



BGE 1 - 49/120



D = short head
D1 = long head

DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
BGE 1 - 17/48	288	143	145	-	143	153	89	160	92/107	92/107	M8	54	73	-
BGE 1 - 34/70	303	155	148	-	143	204	89	160	100/120	100/120	M8	52	71	82
BGE 1 - 49/108	317	169	148	-	178	204	89	160	100/120	100/120	M8	52	71	82
BGE 1 - 49/120	317	169	148	-	240	204	98	160	100/120	100/120	M8	52	71	82

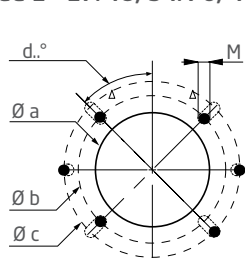
BURNER FLANGE

Model	Ø a	Ø b	Ø c	d°..
BGE 1 - 17/48	100	136	145	45°
BGE 1 - 34/70	100	136	145	45°
BGE 1 - 49/108	100	136	145	45°
BGE 1 - 49/120	100	140	170	45°

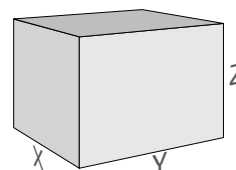
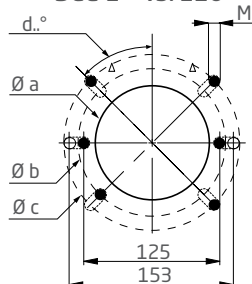
PACKAGING

Model	X	Y	Z	Kg
BGE 1 - 17/48	380	400	290	8,5
BGE 1 - 34/70	385	490	270	9
BGE 1 - 49/108	385	490	270	9,5
BGE 1 - 49/120	385	490	270	9,5

BGE 1 - 17/48, 34/70, 49/108

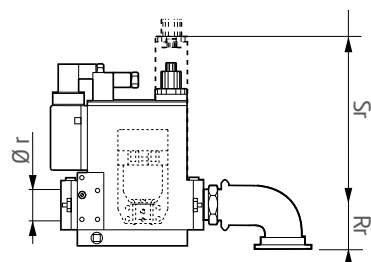


BGE 1 - 49/120



GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



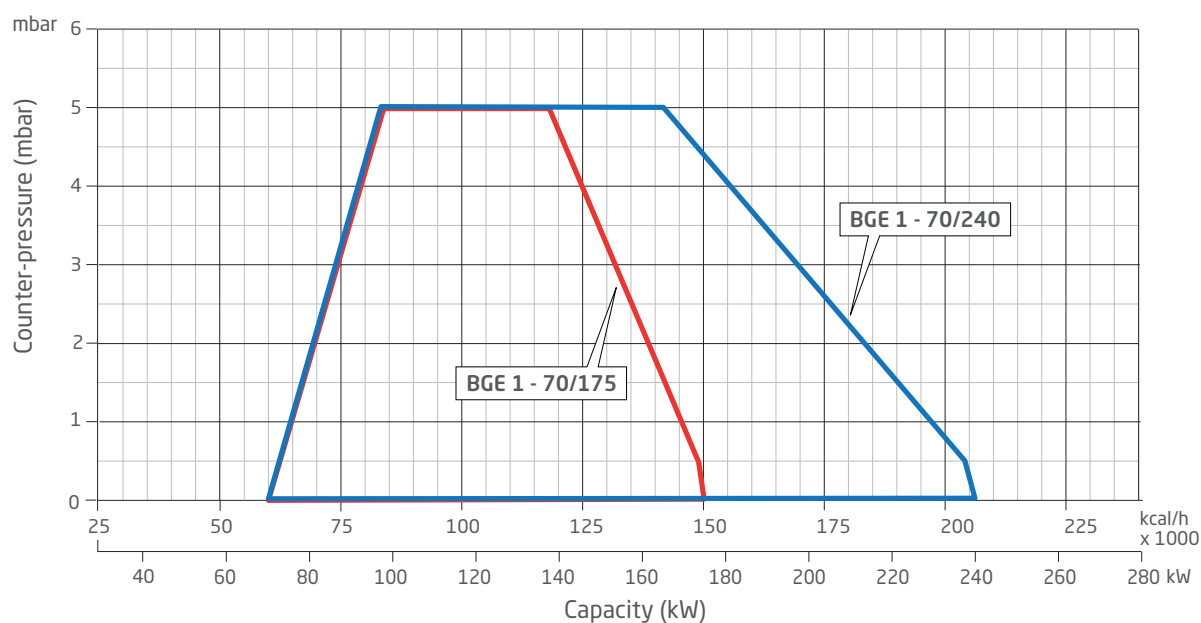
BGE 1 Series (Single Stage Gas Burner) 70/175 - 70/240



Technical Data Sheets

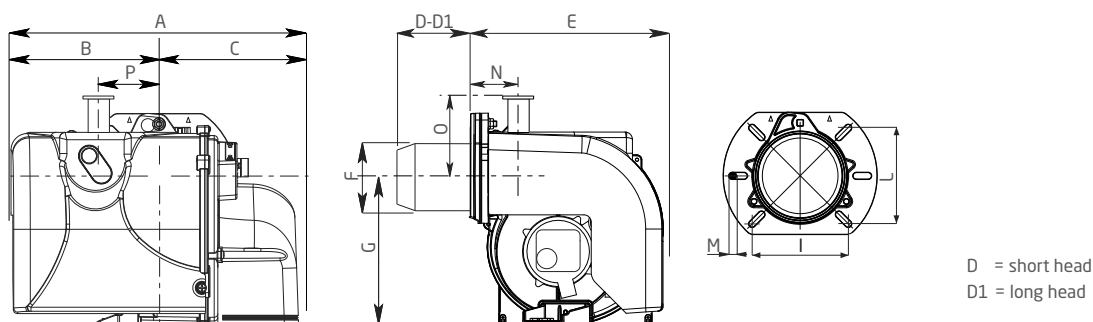
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 1 - 70/175 M 21 mbar	60.200	150.500	70	175	7,30	18,24	21	0,20	230	18	MB-DLE 407
BGE 1 - 70/240 M 21 mbar	60.200	206.400	70	240	7,30	25,02	21	0,20	230	18	MB-DLE 410

Capacity - Counter-Pressure Curves



Burner Dimensions

BGE 1 - 70/175 - 70/240



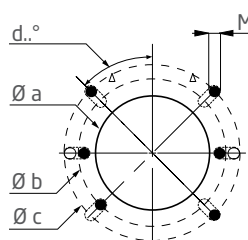
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
BGE 1 - 70/175	392	202	190	180	280	280	125	201	106/130	106/130	M8	73	110	104
BGE 1 - 70/240	392	202	190	180	280	280	125	201	160/130	160/130	M8	73	110	104

BURNER FLANGE

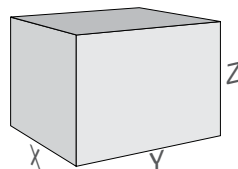
Model	Ø a	Ø b	Ø c	d°..
BGE 1 - 70/175	135	153	190	45°
BGE 1 - 70/240	135	153	190	45°

BGE 1 - 70/175 - 70/240



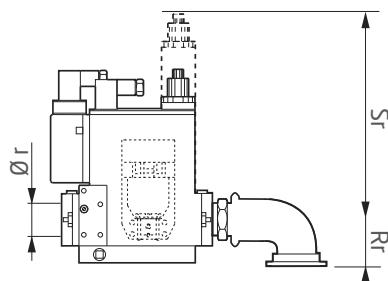
PACKAGING

Model	X	Y	Z	Kg
BGE 1 - 70/175	380	500	680	14,5
BGE 1 - 70/240	380	500	680	14,5

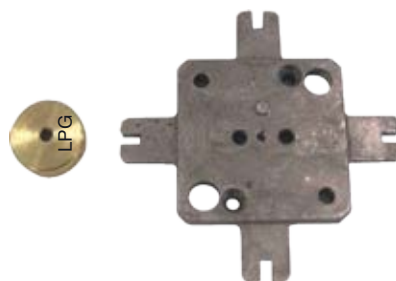


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



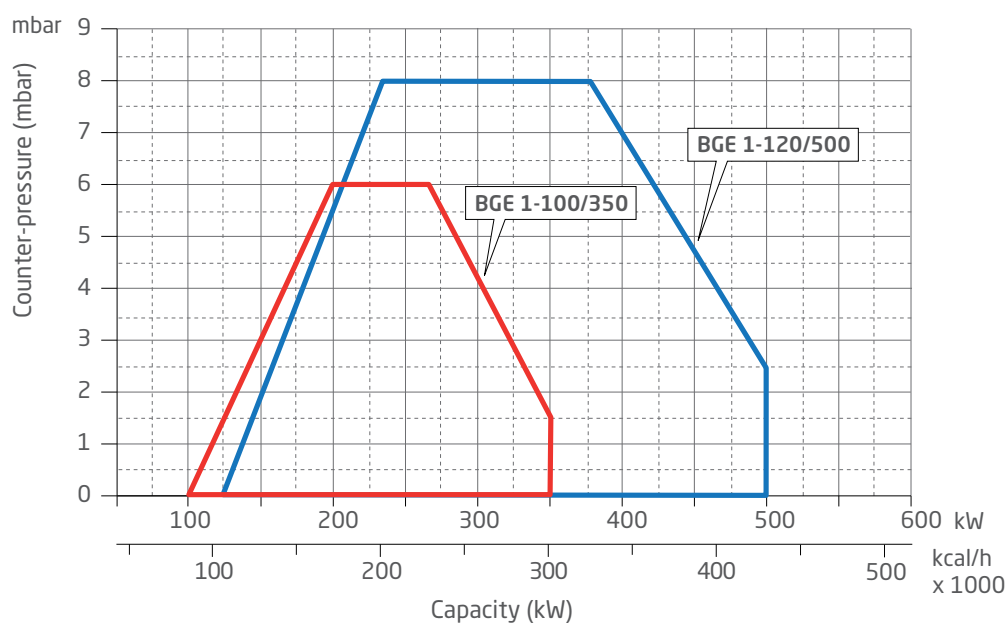
BGE 1 Series (Single Stage Gas Burner) 100/350 - 120/500



Technical Data Sheets

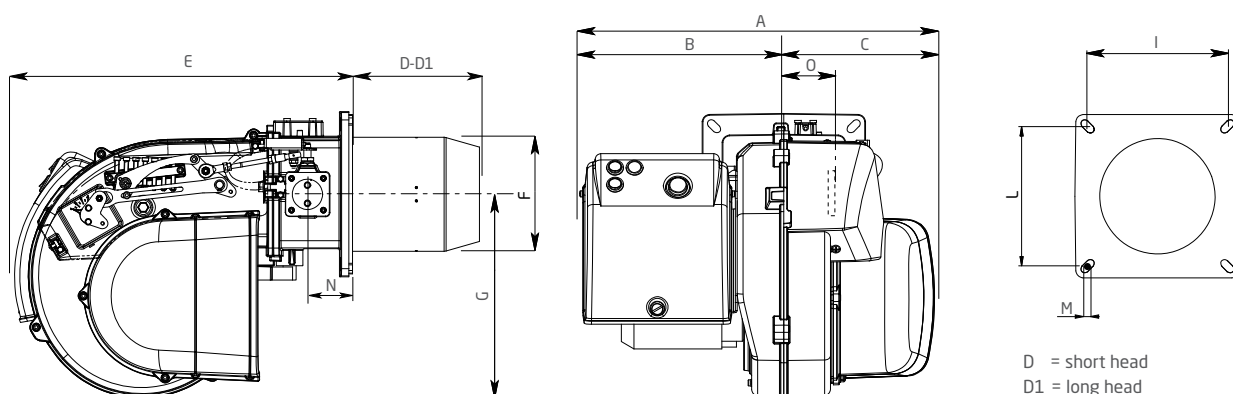
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 1 - 100/350 M 21 mbar	172.000	301.000	200	350	20,85	36,48	21	0,30	230	19,6	MB-DLE 412
BGE 1 - 120/500 T 21 mbar	200.000	430.000	232	500	24,24	52,12	21	0,55	230/400	23,5	MB-DLE 415
BGE 1 - 100/350 M 300 mbar	172.000	301.000	200	350	20,85	36,48	300	0,30	230	19,6	MB-DLE 407
BGE 1 - 100/500 T 300 mbar	200.000	430.000	232	500	24,24	52,12	300	0,55	230/400	23,5	MB-DLE 407

Capacity - Counter-Pressure Curves



Burner Dimensions

BGE 1-100/350
BGE 1-120/500



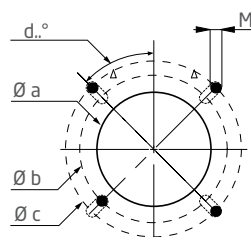
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O
BGE 1 - 100/350	485	277	208	175	335	466	157	280	185/200	185/200	M8	62	101
BGE 1 - 120/500	485	277	208	175	335	466	157	280	185/200	185/200	M8	62	101

BURNER FLANGE

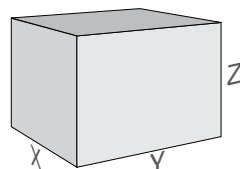
Model	Ø a	Ø b	Ø c	d°..
BGE 1 - 100/350	167	262	283	45°
BGE 1 - 120/500	167	262	283	45°

BGE 1-100/350 - BGE 1-120/500



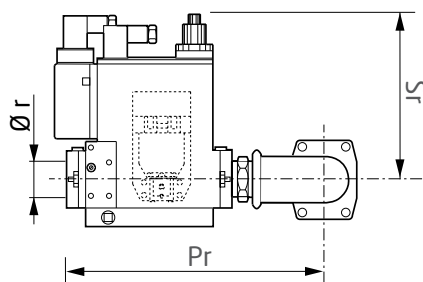
PACKAGING

Model	X	Y	Z	Kg
BGE 1 - 100/350	500	830	600	23,5
BGE 1 - 120/500	500	830	600	29



GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



BGE 2 Series (Dual-Stage Gas Burners) 25/70 - 40/108 - 40/120



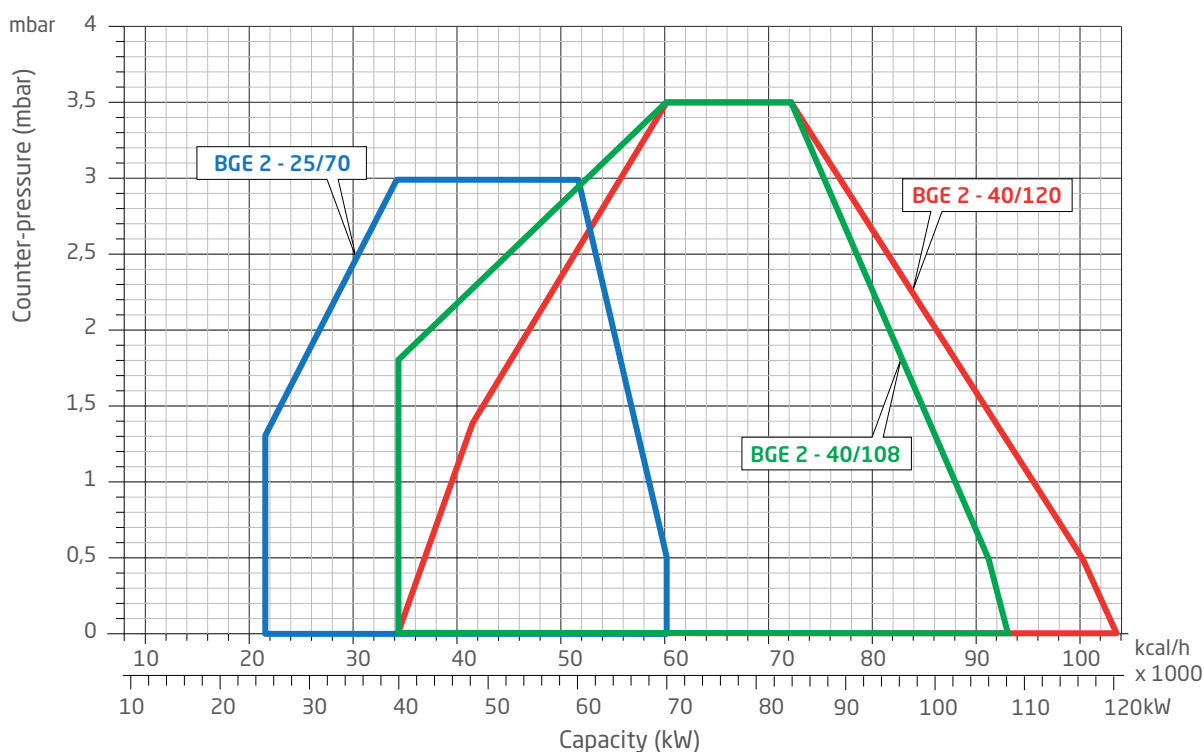
BGE 2 Series dual-stage burners, the appropriate fuel-air mixture is achieved by controlling the air damper with a servo motor. As a result of this, a stable and highly efficient combustion is obtained.

The fully opened front flap for maximum benefit at pre-sweeping stage, provides fuel saving by keeping the heat to remain in the boiler through fully closing up as the burner stops.

Technical Data Sheets

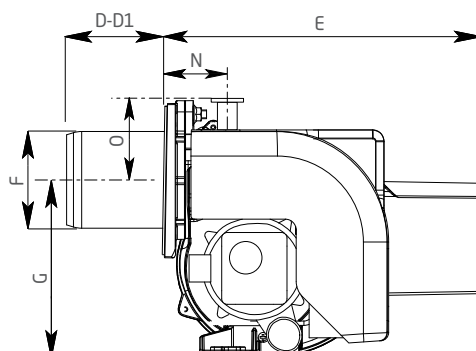
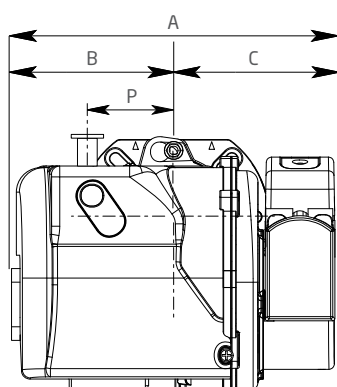
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 2 - 25/70 M 21 mbar	21.500	60.200	25	70	2,61	7,30	21	0,07	230	9	MB-ZRDLE 405
BGE 2 - 40/108 M 21 mbar	34.400	92.880	40	108	4,17	11,26	21	0,07	230	9,5	MB-ZRDLE 405
BGE 2 - 40/120 M 21 mbar	34.400	103.200	40	120	4,17	12,51	21	0,07	230	9,5	MB-ZRDLE 405

Capacity - Counter-Pressure Curves

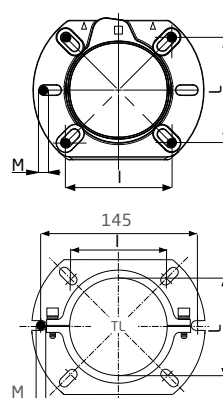


Burner Dimensions

BGE 2 - (25/70, 40/108, 40/120)



BGE 2 - 40/120



D = short head
D1 = long head

DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
BGE 2 - 25/70	303	155	148	-	143	282	89	160	100/120	100/120	M8	52	71	82
BGE 2 - 40/108	317	169	148	-	178	282	89	160	100/120	100/120	M8	52	71	82
BGE 2 - 40/120	317	169	148	-	240	282	98	160	100/120	100/120	M8	52	71	82

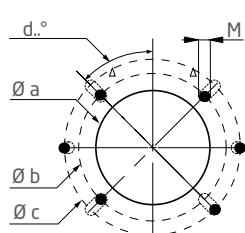
BURNER FLANGE

Model	Ø a	Ø b	Ø c	d°..
BGE 2 - 25/70	100	136	145	45°
BGE 2 - 40/108	100	136	145	45°
BGE 2 - 40/120	110	140	170	45°

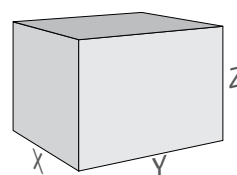
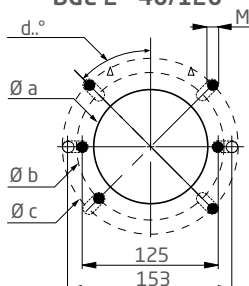
PACKAGING

Model	X	Y	Z	Kg
BGE 2 - 25/70	380	590	290	10,2
BGE 2 - 40/108	380	590	290	10,7
BGE 2 - 40/120	380	590	290	11,4

BGE 2 - 25/70, 40/108

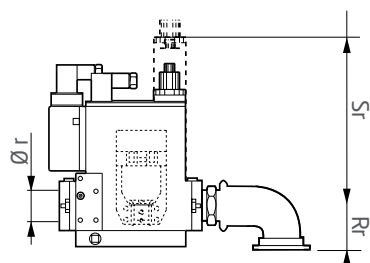


BGE 2 - 40/120



GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



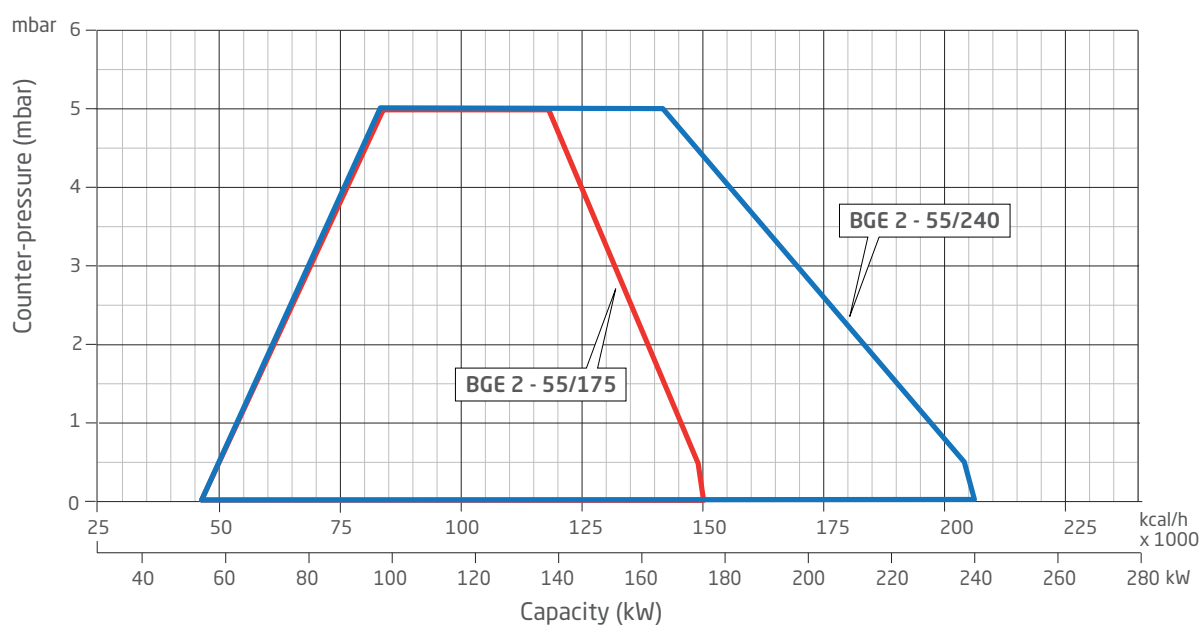
BGE 2 Series (Dual-Stage Gas Burners) 55/175 - 55/240



Technical Data Sheets

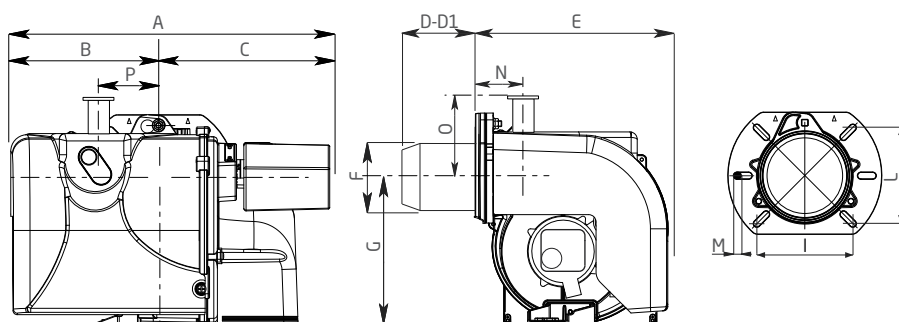
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 2 - 55/175 M 21 mbar	47.300	150.500	55	175	5,73	18,24	21	0,20	230	18	MB-ZRDLE 407
BGE 2 - 55/240 M 21 mbar	47.300	206.400	55	240	5,73	25,02	21	0,20	230	18	MB-ZRDLE 410

Capacity - Counter-Pressure Curves



Burner Dimensions

BGE 2 - 55/175 - 55/240



D = short head
D1 = long head

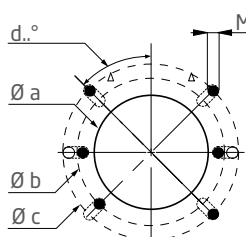
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O	P
BGE 2 - 55/175	452	202	250	180	280	280	125	201	106/130	106/130	M8	73	110	104
BGE 2 - 55/240	452	202	250	180	280	280	125	201	160/130	160/130	M8	73	110	104

BURNER FLANGE

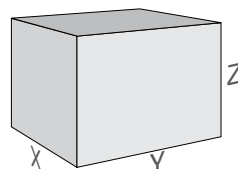
Model	Ø a	Ø b	Ø c	d°..
BGE 2 - 55/175	135	153	190	45°
BGE 2 - 55/240	135	153	190	45°

BGE 2 - 55/175 - 55/240



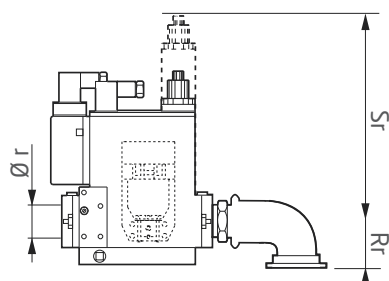
PACKAGING

Model	X	Y	Z	Kg
BGE 2 - 55/175	380	500	680	14,5
BGE 2 - 55/240	380	500	680	14,5

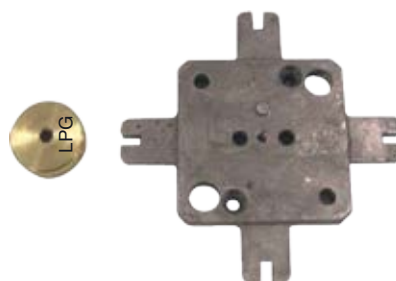


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



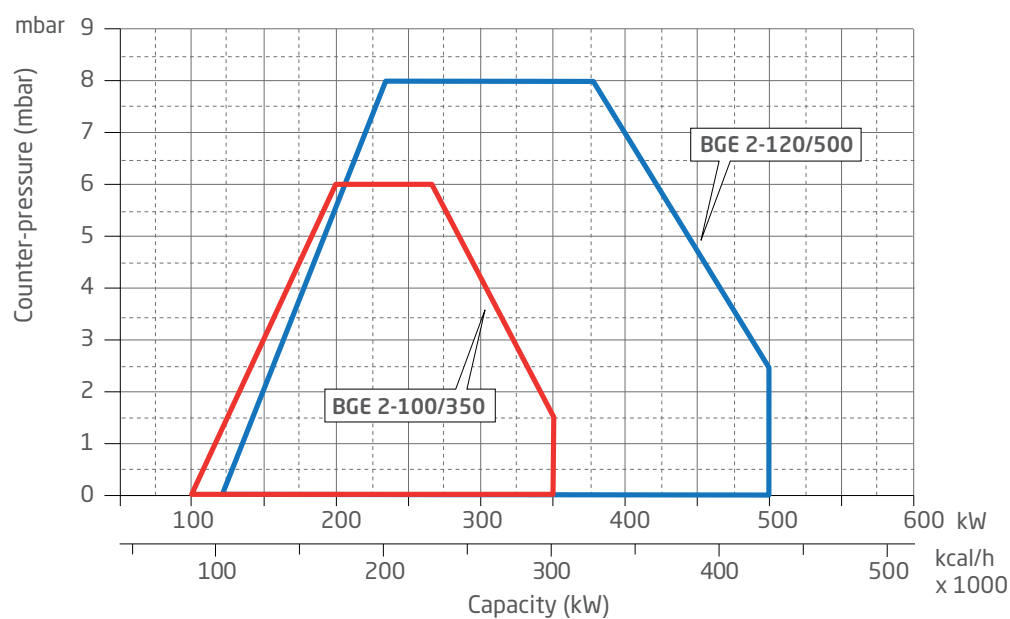
BGE 2 Series (Dual-Stage Gas Burners) 100/350 - 120/500



Technical Data Sheets

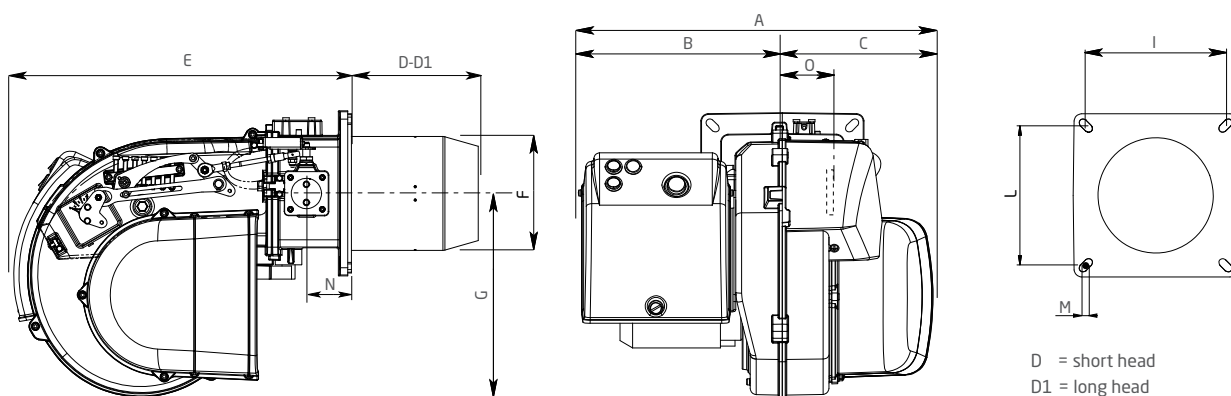
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 2 - 100/350 M 21 mbar	86.000	301.000	100	350	10,42	36,48	21	0,30	230	23,5	MB-DLE 412
BGE 2 - 120/500 T 21 mbar	103.200	430.000	120	500	12,51	52,12	21	0,55	230/400	29	MB-DLE 415
BGE 2 - 100/350 M 300 mbar	86.000	301.000	100	350	10,42	36,48	300	0,30	230	23,5	MB-DLE 407
BGE 2 - 100/500 T 300 mbar	103.200	430.000	120	500	12,51	52,12	300	0,55	230/400	29	MB-DLE 407

Capacity - Counter-Pressure Curves



Burner Dimensions

BGE 2-100/350
BGE 2-120/500



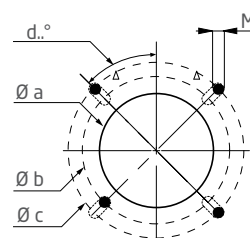
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O
BGE 2 - 100/350	485	277	208	175	335	466	157	280	185/200	185/200	M8	62	101
BGE 2 - 120/500	485	277	208	175	335	466	157	280	185/200	185/200	M8	62	101

BURNER FLANGE

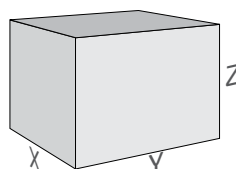
Model	Ø a	Ø b	Ø c	d°..
BGE 2 - 100/350	167	262	283	45°
BGE 2 - 120/500	167	262	283	45°

BGE 2-100/350 - BGE 2-120/500



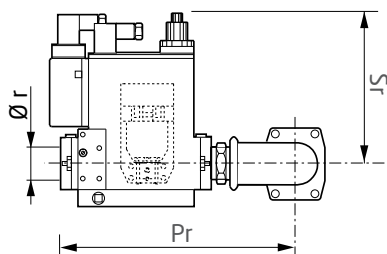
PACKAGING

Model	X	Y	Z	Kg
BGE 2 - 100/350	500	830	600	23,5
BGE 2 - 120/500	500	830	600	29



GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



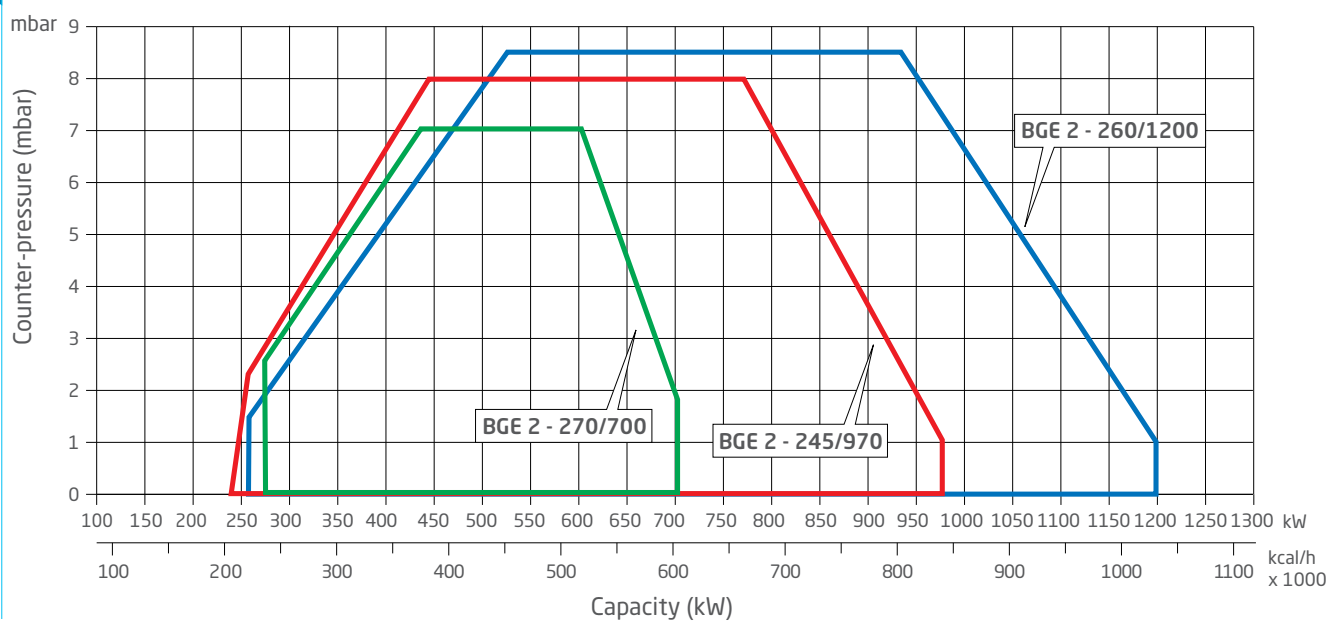
BGE 2 Series (Dual-Stage Gas Burners) 270/700-245/970-260/1200



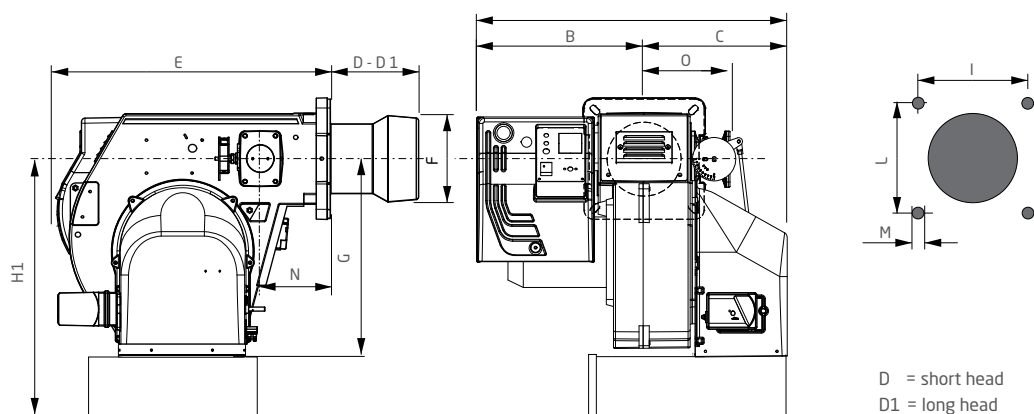
Technical Data Sheets

BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 2 - 270/700 T 21 mbar	232.200	602.000	270	700	28,15	72,97	21	0,74	230/400	50	MB-DLE 420
BGE 2 - 245/970 T 21 mbar	210.700	834.200	245	970	25,54	101,12	21	1,1	230/400	50	VG D 20 503
BGE 2 - 260/1200 T 21 mbar	223.600	1.032.000	260	1200	27,10	125,09	21	2,2	230/400	60	VG D 20 503
BGE 2 - 270/700 T 300 mbar	232.200	602.000	270	700	28,15	72,97	300	0,74	230/400	50	MB-DLE 410
BGE 2 - 245/970 T 300 mbar	210.700	834.200	245	970	25,54	101,12	300	1,1	230/400	50	MB-DLE 412
BGE 2 - 260/1200 T 300 mbar	223.600	1.032.000	260	1200	27,10	125,09	300	2,2	230/400	60	MB-DLE 412 S50

Capacity - Counter-Pressure Curves



Burner Dimensions

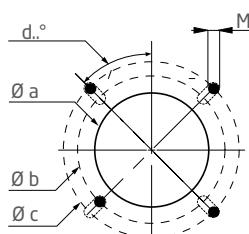


DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 2 - 270/700	608	328	280	174	394	543	170	401	601	185/200	185/200	M10	138	168
BGE 2 - 245/970	608	328	280	174	394	543	190	401	601	185/200	185/200	M10	138	168
BGE 2 - 260/1200	608	328	280	309	459	543	200	401	601	185/200	185/200	M10	138	168

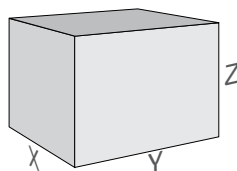
BURNER FLANGE

Model	Ø a	Ø b	Ø c	d°..
BGE 2 - 270/700	180	262	283	45°
BGE 2 - 245/970	200	262	283	45°
BGE 2 - 260/1200	210	262	283	45°



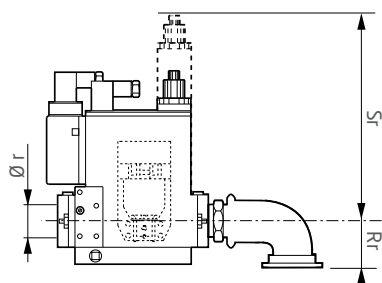
PACKAGING

Model	X	Y	Z	Kg
BGE 2 - 270/700	796	1055	575	50
BGE 2 - 245/970	796	1055	575	50
BGE 2 - 260/1200	796	1055	575	60

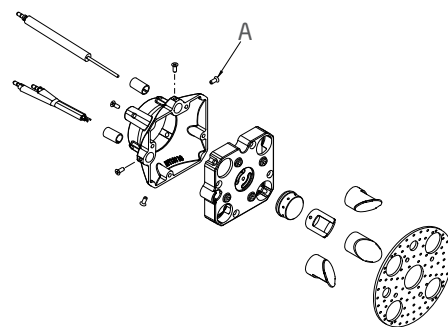


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



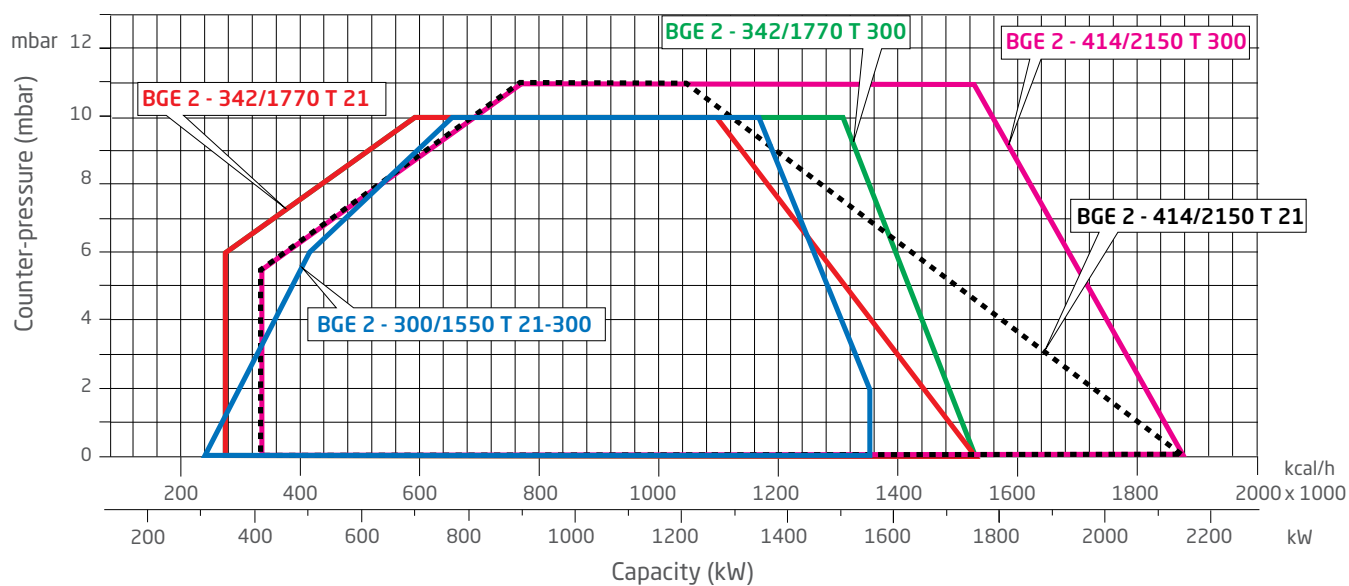
BGE 2 Series (Dual-Stage Gas Burners) 300/1550 - 342/1770 - 414/2150



Technical Data Sheets

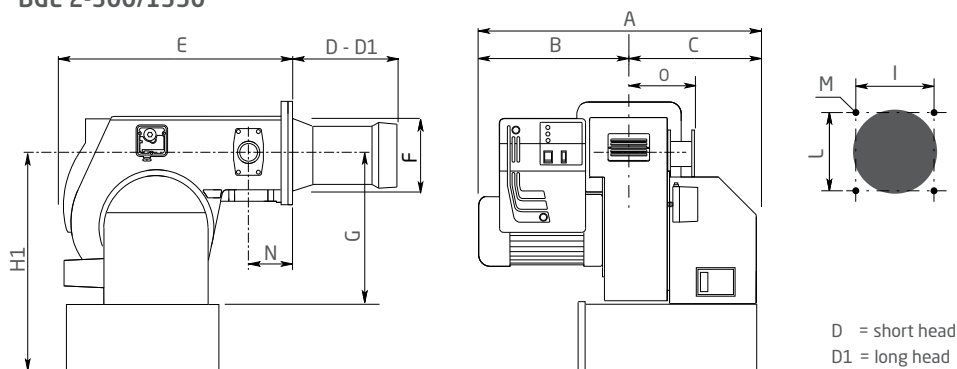
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm³/h	Max Nm³/h					
BGE 2 - 300/1550 T 21 mbar	258.000	1.333.000	300	1550	31,27	161,58	21	3	230/400	85	VGD 40 080
BGE 2 - 342/1770 T 21 mbar	294.120	1.522.200	342	1770	35,65	184,51	21	3	230/400	105	VGD 40 080
BGE 2 - 300/1550 T 300 mbar	258.000	1.333.000	300	1550	31,27	161,58	300	3	230/400	85	MB-DLE 415
BGE 2 - 342/1770 T 300 mbar	294.120	1.522.200	342	1770	35,65	184,51	300	3	230/400	105	MB-DLE 415
BGE 2 - 414/2150 T 300 mbar	356.040	1.849.000	414	2150	43,16	221,12	300	4	230/400	105	MB-DLE 415

Capacity - Counter-Pressure Curves

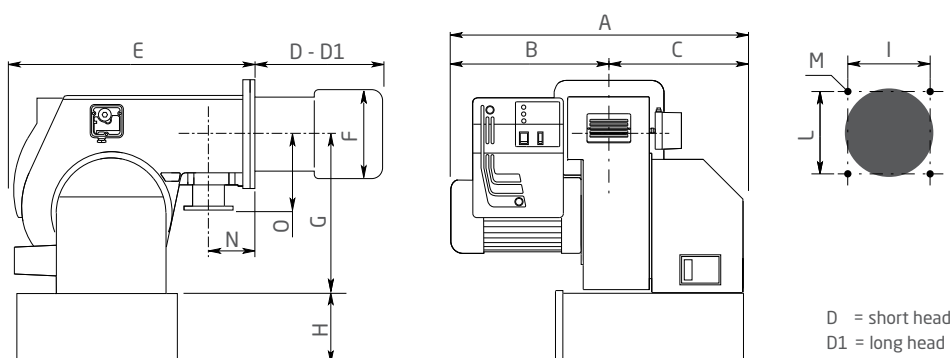


Burner Dimensions

BGE 2-300/1550



BGE 2-342/1770 - BGE 2-414/2150

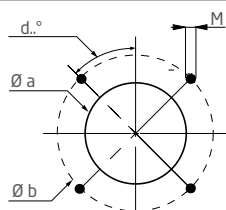


DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 2 - 300/1550	710	385	325	340	540	680	215	420	680	240	240	M14	125	190
BGE 2 - 342/1770	710	385	325	340	540	680	250	420	680	240	240	M14	125	250
BGE 2 - 414/2150	730	405	325	345	540	680	270	420	680	240	240	M14	125	250

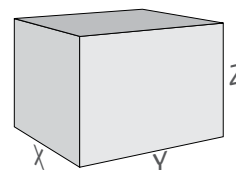
BURNER FLANGE

Model	Ø a	Ø b	d°..
BGE 2 - 300/1550	280	339,5	45°
BGE 2 - 342/1770	280	339,5	45°
BGE 2 - 414/2150	280	339,5	45°



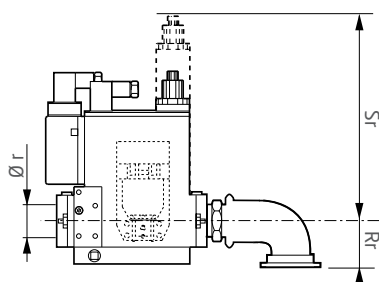
PACKAGING

Model	X	Y	Z	Kg
BGE 2 - 300/1550	920	1290	720	100
BGE 2 - 342/1770	920	1290	720	159
BGE 2 - 414/2150	920	1290	720	175

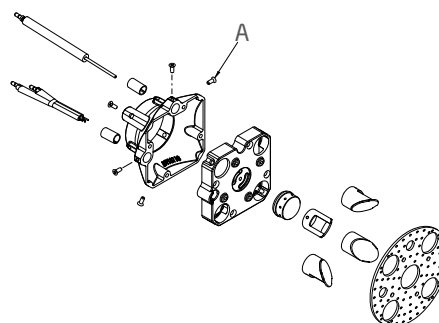


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



BGE 3 Series (Modulating Gas Burners) 100/350 - 120/500



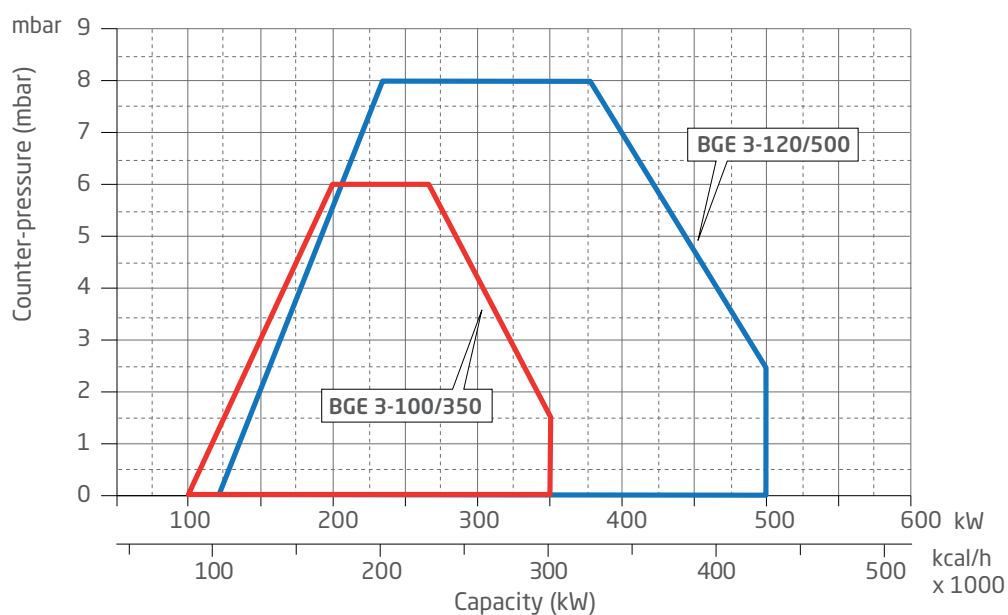
BGE 3-series proportional burners mean the process of non-gradual changing of gas and air flow between a minimum capacity and a maximum capacity. Proportional burners are efficient in instant and variable load drawings, since they are adapted much faster than a single and dual stage types. Deactivation of proportional burners is lower compared to other operation types.

Baymak BG-Series gas burners ensure trouble-free combustion even with the high counter-pressure boilers by means of the fans developed for obtaining a wider range of area of use with respect to various customer needs.

Technical Data Sheets

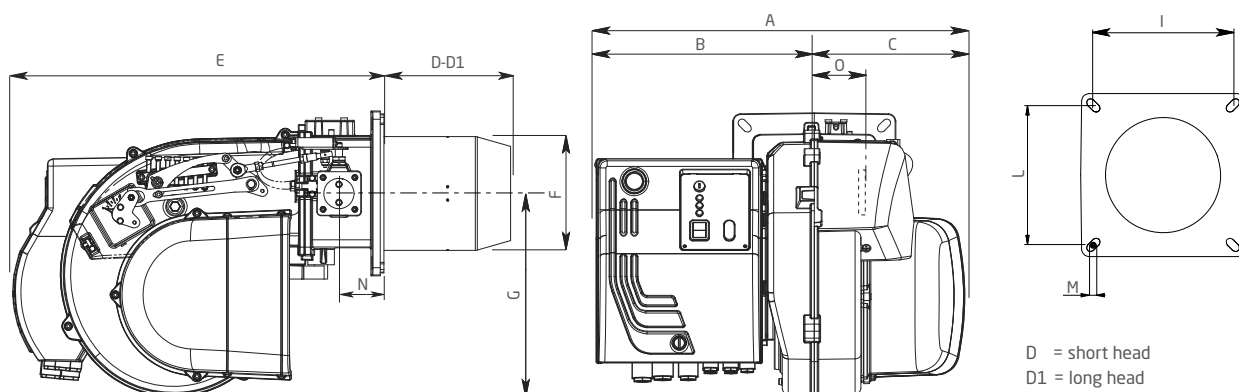
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 3 - 100/350 M 21 mbar	86.000	301.000	100	350	10,42	36,48	21	0,30	230	23,5	MB-DLE 412
BGE 3 - 120/500 T 21 mbar	103.200	430.000	120	500	12,51	52,12	21	0,55	230/400	29	MB-DLE 415
BGE 3 - 100/350 M 300 mbar	86.000	301.000	100	350	10,42	36,48	300	0,30	230	23,5	MB-DLE 407
BGE 3 - 100/500 T 300 mbar	103.200	430.000	120	500	12,51	52,12	300	0,55	230/400	29	MB-DLE 407

Capacity - Counter-Pressure Curves



Burner Dimensions

BGE 3-100/350
BGE 3-120/500



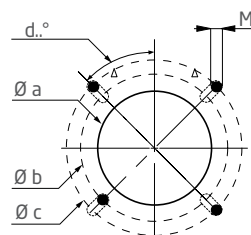
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	I	L	M	N	O
BGE 3 - 100/350	510	302	208	175	335	466	157	280	185/200	185/200	M8	62	101
BGE 3 - 120/500	510	302	208	175	335	466	157	280	185/200	185/200	M8	62	101

BURNER FLANGE

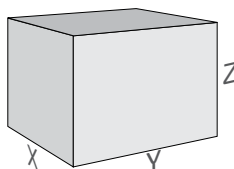
Model	Ø a	Ø b	Ø c	d°..
BGE 3 - 100/350	167	262	283	45°
BGE 3 - 120/500	167	262	283	45°

BGE 3-100/350 - BGE 3-120/500



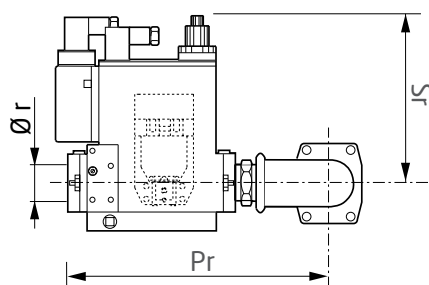
PACKAGING

Model	X	Y	Z	Kg
BGE 3 - 100/350	500	830	600	23,5
BGE 3 - 120/500	500	830	600	29



GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



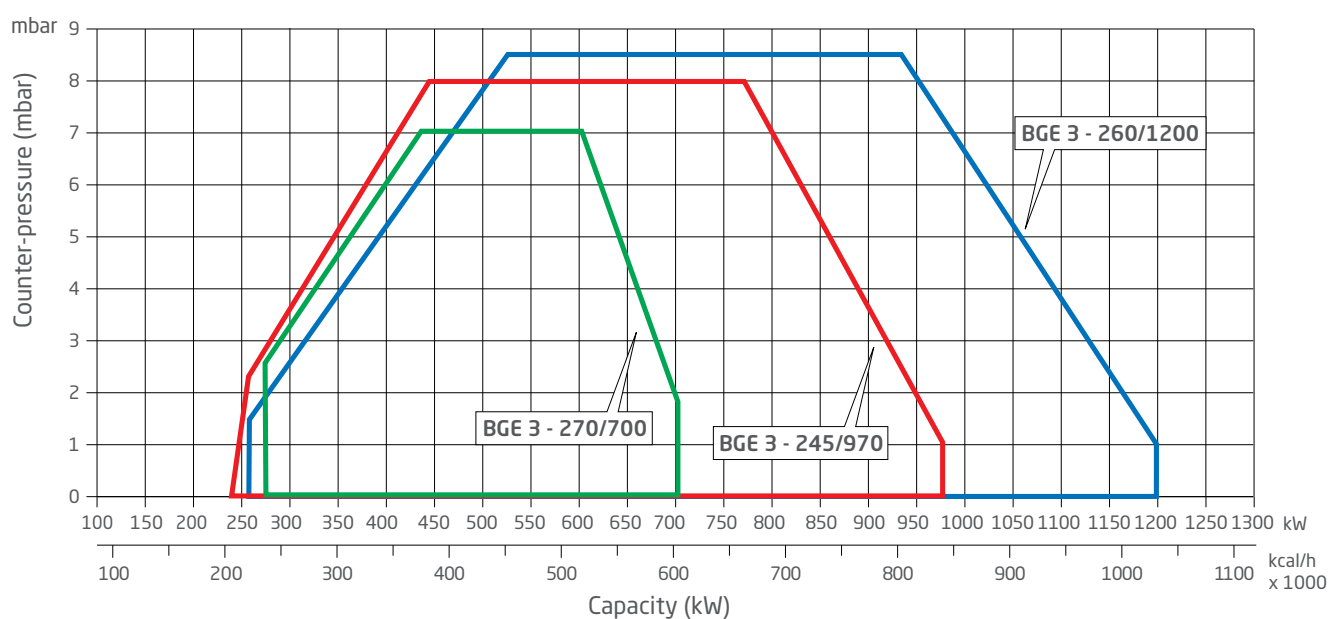
BGE 3 Series (Modulating Gas Burners) 270/700-245/970-260/1200



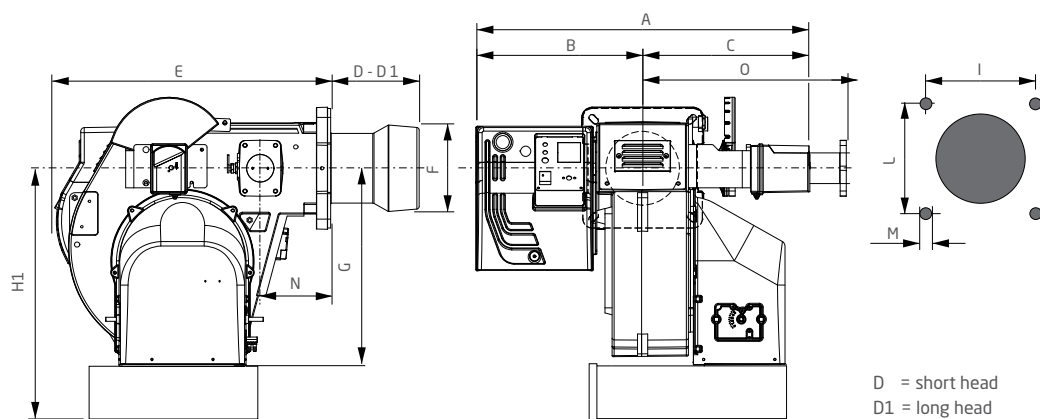
Technical Data Sheets

BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 3 - 270/700 T 21 mbar	232.200	602.000	270	700	28,15	72,97	21	0,74	230/400	50	MB-DLE 420
BGE 3 - 245/970 T 21 mbar	210.700	834.200	245	970	25,54	101,12	21	1,1	230/400	50	MB-DLE 420
BGE 3 - 260/1200 T 21 mbar	223.600	1.032.000	260	1200	27,10	125,09	21	2,2	230/400	60	VG D 20 503
BGE 3 - 270/700 T 300 mbar	232.200	602.000	270	700	28,15	72,97	300	0,74	230/400	50	MB-DLE 410
BGE 3 - 245/970 T 300 mbar	210.700	834.200	245	970	25,54	101,12	300	1,1	230/400	50	MB-DLE 412
BGE 3 - 260/1200 T 300 mbar	223.600	1.032.000	260	1200	27,10	125,09	300	2,2	230/400	60	MB-DLE 412 S50

Capacity - Counter-Pressure Curves



Burner Dimensions

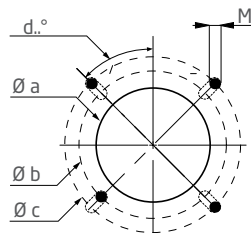


DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 3 - 270/700	657	328	329	174	394	543	170	401	601	185/200	185/200	M10	138	420
BGE 3 - 245/970	657	328	329	174	394	543	190	401	601	185/200	185/200	M10	138	420
BGE 3 - 260/1200	657	328	329	309	459	543	200	401	601	185/200	185/200	M10	138	420

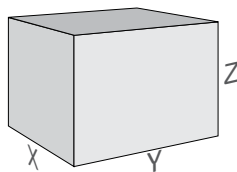
BURNER FLANGE

Model	Ø a	Ø b	Ø c	d°.
BGE 3 - 270/700	180	262	283	45°
BGE 3 - 245/970	200	262	283	45°
BGE 3 - 260/1200	210	262	283	45°



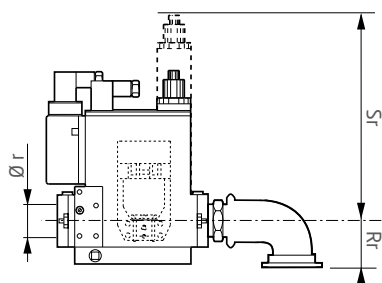
PACKAGING

Model	X	Y	Z	Kg
BGE 3 - 270/700	796	1055	575	50
BGE 3 - 245/970	796	1055	575	50
BGE 3 - 260/1200	796	1055	575	60

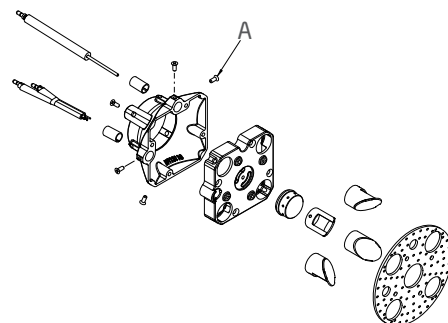


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



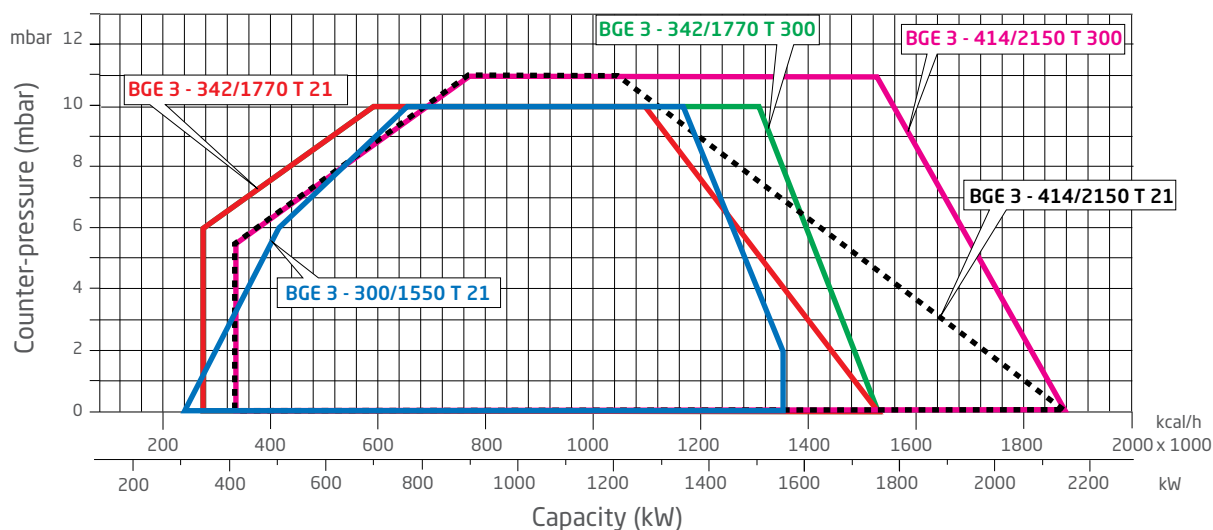
BGE 3 Series (Modulating Gas Burners) 300/1550-342/1770-414/2150



Technical Data Sheets

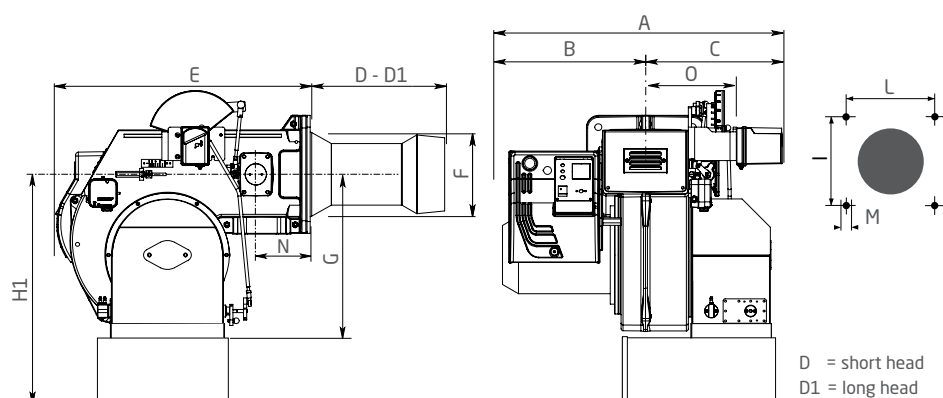
BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 3 - 300/1550 T 21 mbar	258.000	1.333.000	300	1550	31,27	161,58	21	3	230/400	85	VGD 40 080
BGE 3 - 342/1770 T 21 mbar	294.120	1.522.200	342	1770	35,65	184,51	21	3	230/400	105	VGD 40 080
BGE 3 - 300/1550 T 300 mbar	258.000	1.333.000	300	1550	31,27	161,58	300	3	230/400	85	MB-DLE 415
BGE 3 - 342/1770 T 300 mbar	294.120	1.522.200	342	1770	35,65	184,51	300	3	230/400	105	MB-DLE 415
BGE 3 - 414/2150 T 300 mbar	356.040	1.849.000	414	2150	43,16	224,12	300	4	230/400	105	MB-DLE 415

Capacity - Counter-Pressure Curves

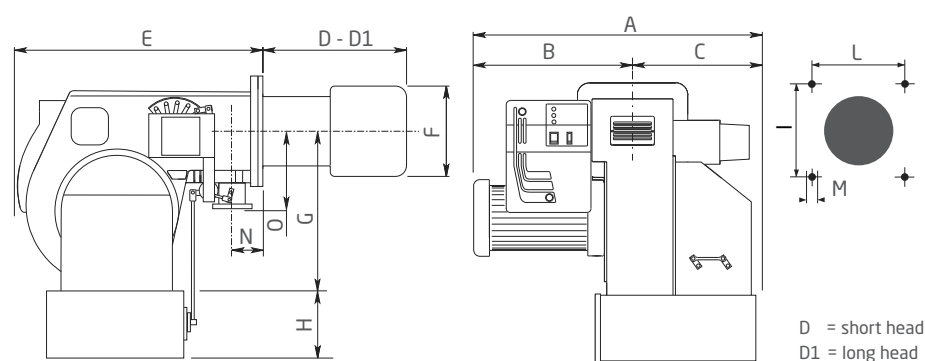


Burner Dimensions

BGE 3-300/1550



BGE 3-342/1770 - BGE 3-414/2150

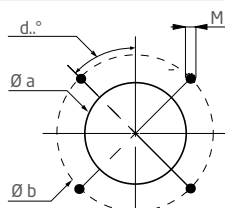


DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 3 - 300/1550	712	364	348	340	540	680	215	420	680	240	240	M14	125	420
BGE 3 - 342/1770	712	364	348	340	540	680	250	420	680	240	240	M14	125	250
BGE 3 - 414/2150	712	364	348	345	540	680	270	420	680	240	240	M14	125	250

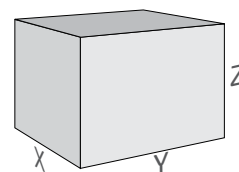
BURNER FLANGE

Model	Ø a	Ø b	d°..
BGE 3 - 300/1550	280	339,5	45°
BGE 3 - 342/1770	280	339,5	45°
BGE 3 - 414/2150	280	339,5	45°



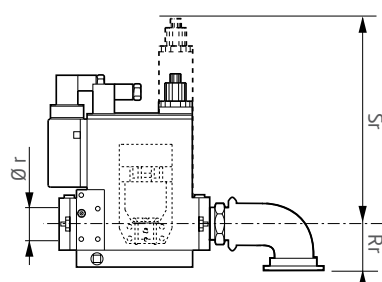
PACKAGING

Model	X	Y	Z	Kg
BGE 3 - 300/1550	920	1290	720	100
BGE 3 - 342/1770	920	1290	720	159
BGE 3 - 414/2150	920	1290	720	175

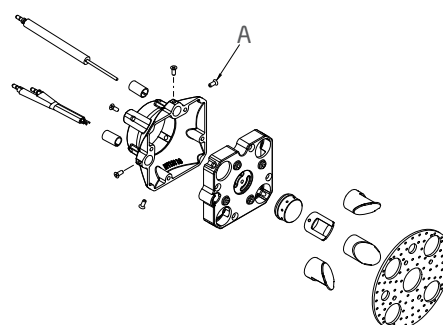


GAS TRAIN DIMENSIONS

refer to GT manual



LPG TRANSFORMATION KIT



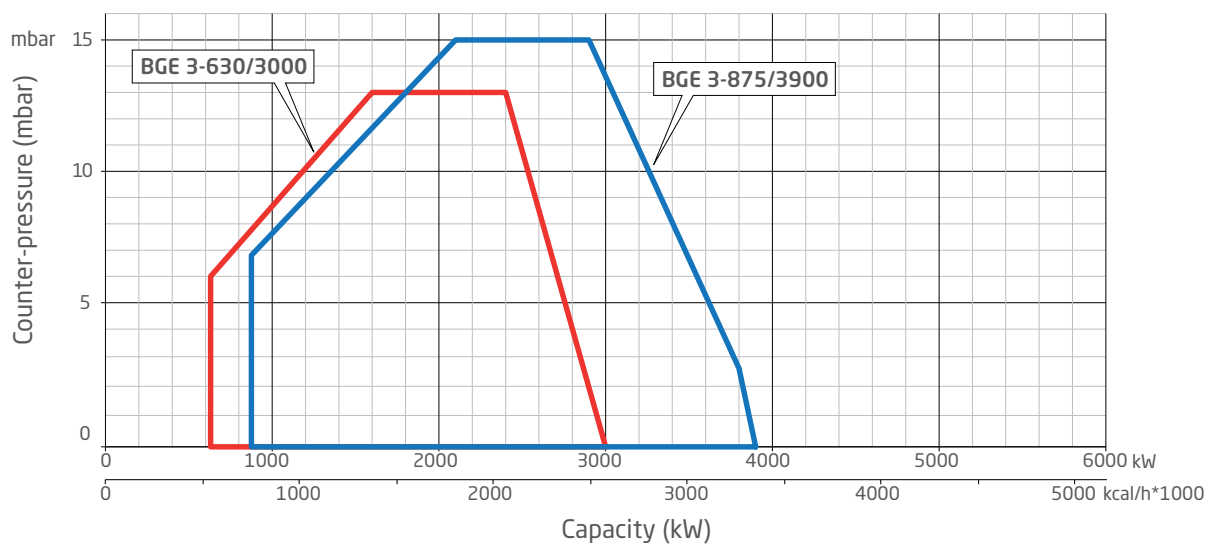
BGE 3 Series (Modulating Gas Burners) 630/3000 - 875/3900



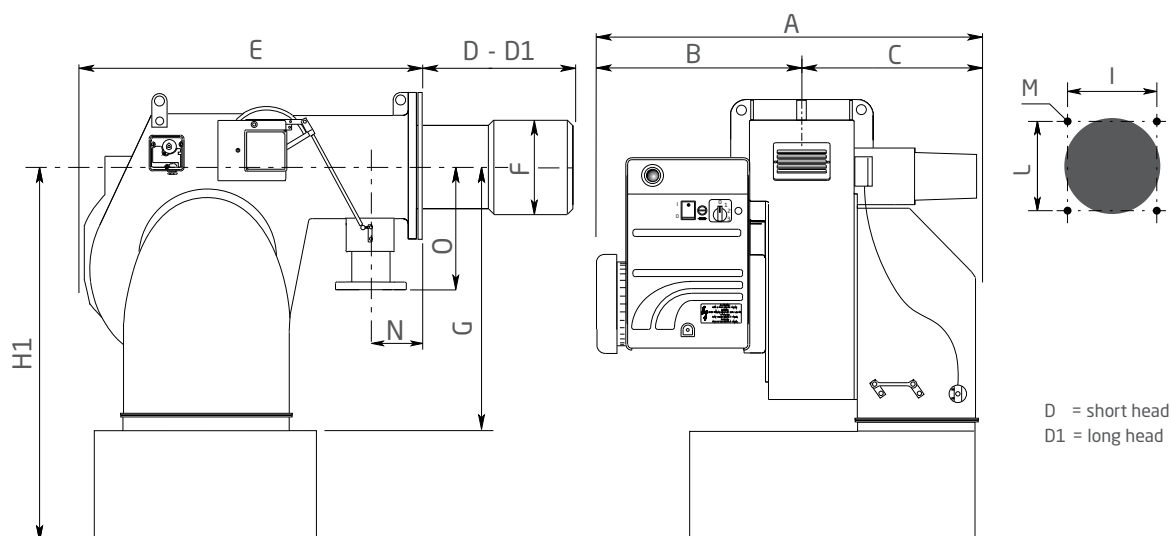
Technical Data Sheets

BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm ³ /h	Max Nm ³ /h					
BGE 3 - 630/3000 T 300 mbar	541.800	2.580.000	630	3000	65,67	312,73	300	5,5	230/400	-	VGD 20 503
BGE 3 - 875/3900 T 300 mbar	752.500	3.354.000	875	3900	91,21	406,55	300	5,5	230/400	-	VGD 20 503

Capacity - Counter-Pressure Curves



Burner Dimensions



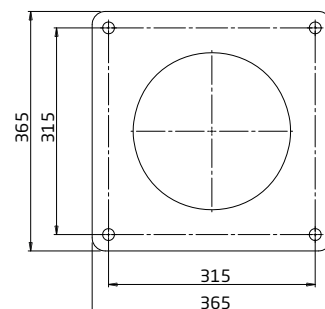
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 3 - 630/3000	941	448	493	330	530	780	290	471	746	315	315	M16	195	250
BGE 3 - 875/3900	941	448	493	365	565	780	320	471	746	315	315	M16	195	250

BURNER - BOILER CONNECTION FLANGE

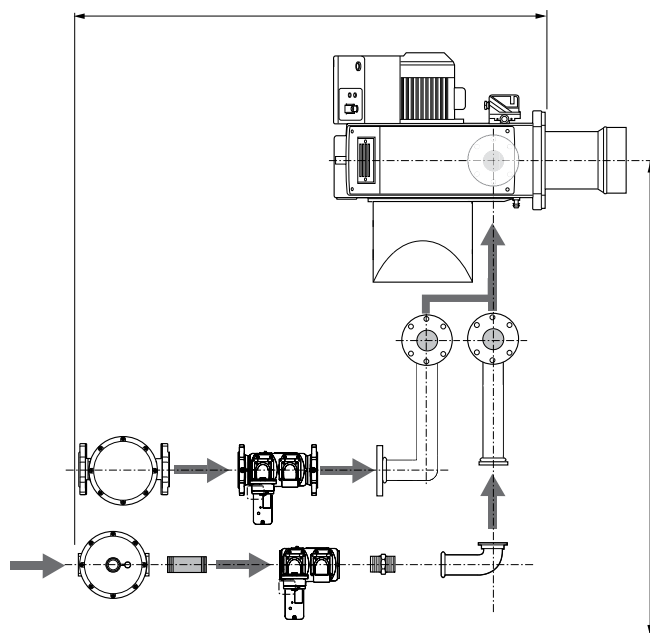
Fixing Hole dimensions are "I" and "L" in dimensions scheme. Boiler hole should be figured as in "F" part in dimension scheme but it should be added **15-25 mm** to "F" part.

ATTENTION: Please take attention to follow the recommended dimension of the hole on boiler flange in order to assemble the burner. Be aware that there is a correct insulation between boiler and high-pressure pipe.



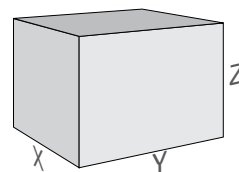
ASSEMBLE OF GAS APPARATUS TO BURNER AND TOTAL DIMENSION CALCULATION

Please look at dimension page and gas apparatus manual for further information.

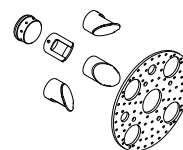


PACKAGING (for only burner)

Model	X	Y	Z	Kg
BGE 3 - 630/3000	1140	1620	940	-
BGE 3 - 875/3900	1140	1620	940	-



LPG CONVERSION KIT



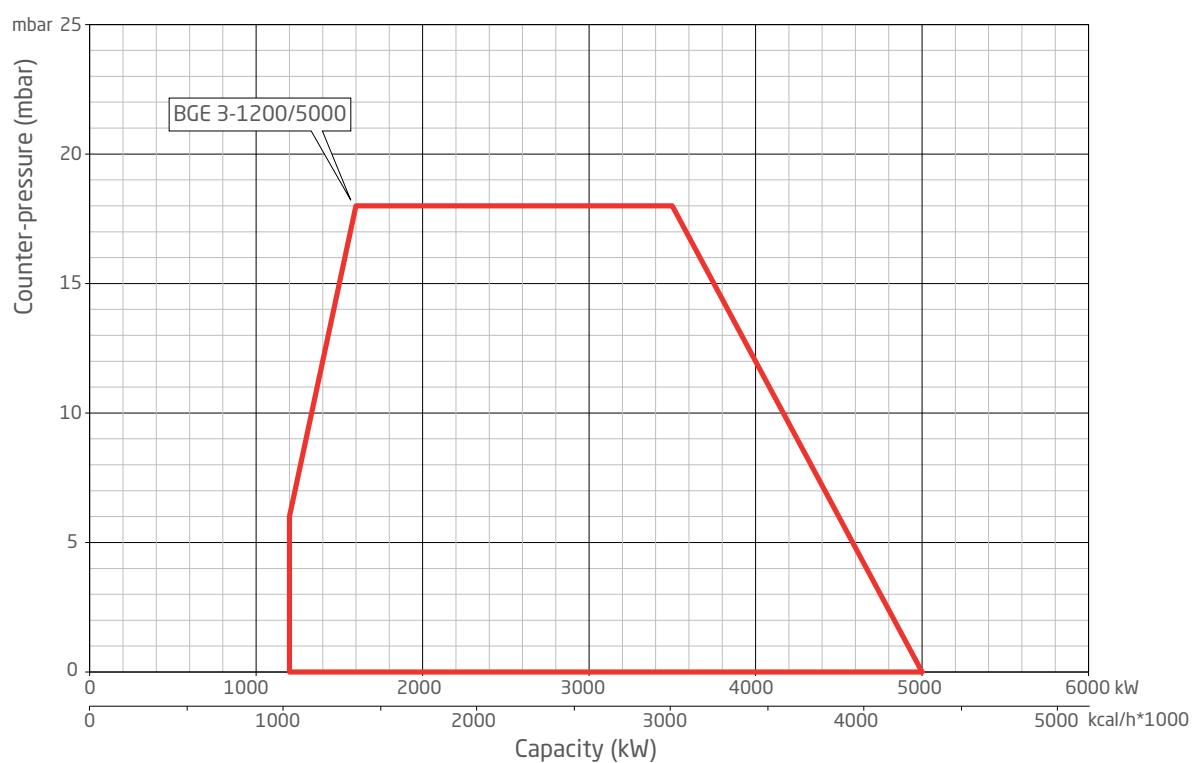
BGE 3 Series (Modulating Gas Burners) 1200/5000



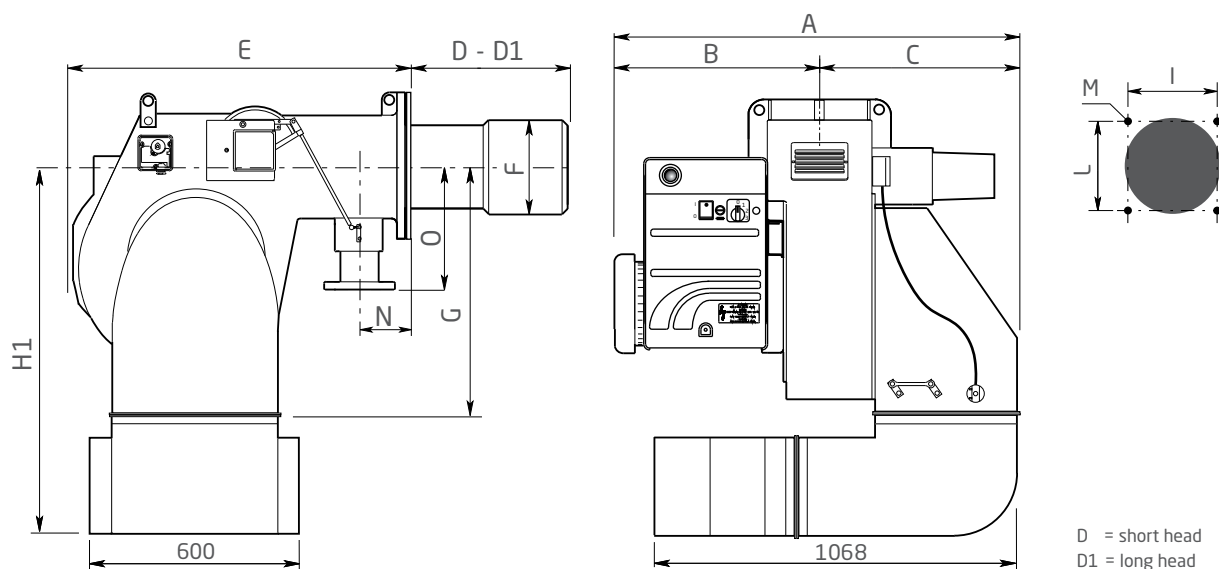
Technical Data Sheets

BURNER TYPE	CAPACITY				GAS CONSUMPTION		GAS PRESSURE mbar	MOTOR POWER kW	VOLTAGE at 50 Hz V	WEIGHT Kg	GAS VALVE
	Min Kcal/h	Max Kcal/h	Min kW	Max kW	Min Nm³/h	Max Nm³/h					
BGE 3 - 1200/5000 T 300 mbar	1.032.000	4.300.000	1200	5000	125,09	521,21	300	11	230/400	-	VGD 20 503

Capacity - Counter-Pressure Curves



Burner Dimensions



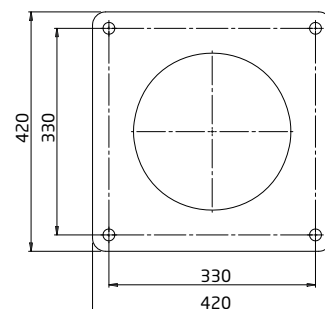
DIMENSIONS (mm)

Model	A	B	C	D	D1	E	F	G	H1	I	L	M	N	O
BGE 3 - 1200/5000	1019	495	524	375	575	970	320	570	965	330	330	M16	195	250

BURNER-BOILER MOUNTING FLANGE

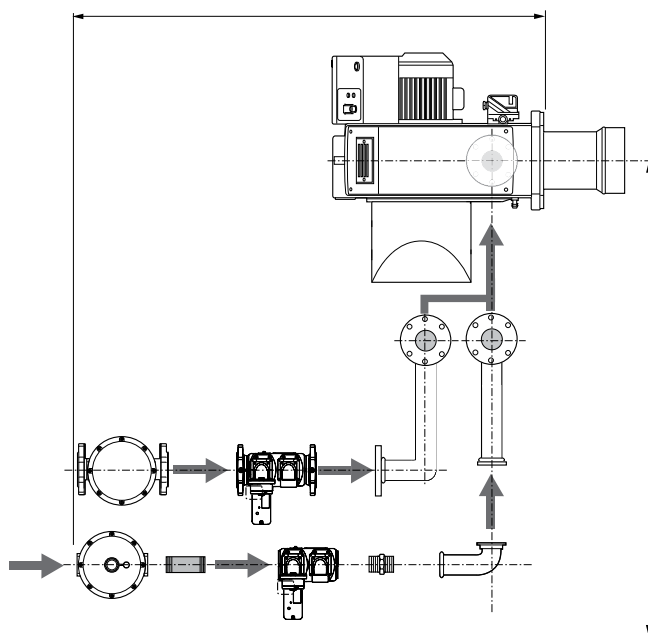
Fixing hole dimensions are "I" and "L" as per dimension table. Boiler hole shall be done according to the blast tube dimension "F" plus 15-25 mm in order to be able to extract it during maintenance.

WARNING: Please follow the suggested dimension for the hole on the boiler flange in order to fit the burner. Make sure that between the boiler and the blast tube proper insulation is fitted.



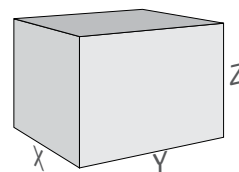
HOW TO INSTALL THE GAS TRAIN INTO THE BURNER AND CALCULATE THE OVERALL DIMENSIONS

refer to the dimension page and the gas train manual for all detailed information

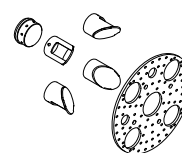


PACKAGING (only burner)

Model	X	Y	Z	Kg
BGE 3 - 1200/5000	1580	1630	1090	-



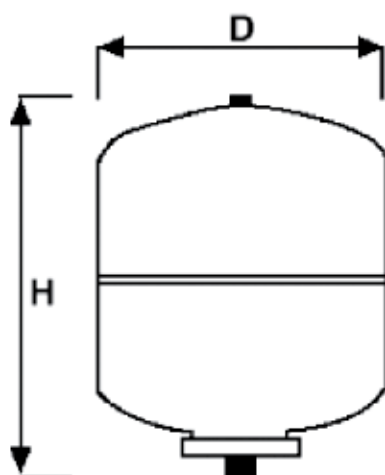
LPG TRANSFORMATION KIT



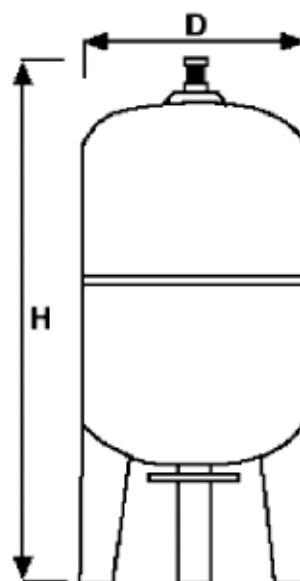
CLOSED EXPANSION TANKS



- 7,5 to 1000 liters capacity range
- Compliance with heating and cooling systems
- Completely resistant body
- High quality membrane replaceable in accordance with the norm of DIN 4807-3
- Compliance with CE standards
- Pre-pressure 1,5 - 4 bar
- Easy to control, maintain and install
- Coated with electrostatic powder paint resistant to external factors and corrosion
- Aesthetic appearance
- Spare parts and service guarantee



7,5 - 50l



80 - 1000l

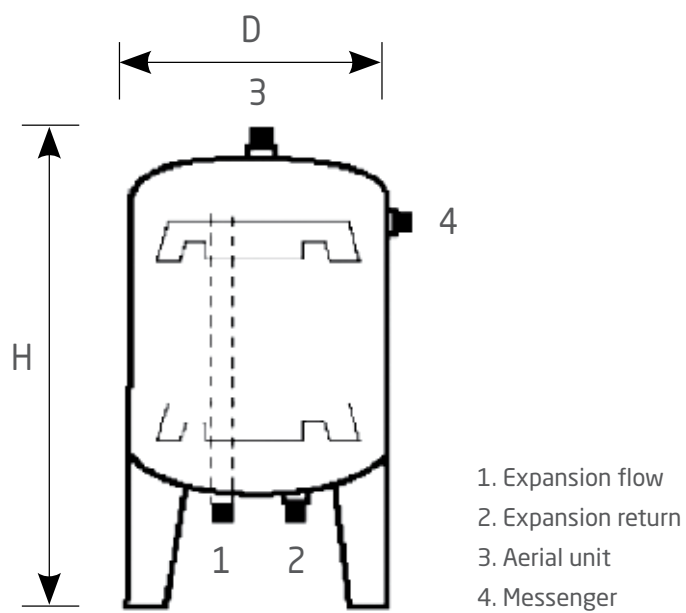
Technical Data Sheets

Models	Tank Volume (l)	Tank Height "H" (mm)	Tank Depth "D" (mm)	Test Pressure (bar)	Operating Temperatures (°C)	Max Operating Pressure (bar)	Connection (inch)	Weight (kg)
TM - 7,5	7,5	345	215	9	-10/100	10	1/2	3,5
TM - 15	15	416	250	9	-10/100	10	1/2	4,4
TM - 18	18	470	250	9	-10/100	10	1	4,9
TM - 20	20	445	235	9	-10/100	10	1	5,3
TM - 25	25	345	360	9	-10/100	10	1	5,9
TM - 40	40	440	360	9	-10/100	10	1	7,7
TM - 50	50	472	430	9	-10/100	10	1	9,4
TM - 80	80	810	430	9	-10/100	10	1	16,4
TM - 100	100	920	460	9-15	-10/100	10	1	18,5-23,6
TM - 200	200	1010	640	9-15	-10/100	10	1 1/2	41,5-47,0
TM - 300	300	1320	640	9-15	-10/100	10	1 1/2	53,6-61,2
TM - 500	500	1510	750	15	-10/100	10	1 1/4	65,2
TM - 750	750	1920	800	15	-10/100	10	1 1/2	123,4
TM - 1000	1000	2200	800	15	-10/100	10	2	153,0

OPEN EXPANSION TANKS



- 50 to 300 liter capacity range
- Compliance with heating systems
- Completely resistant body
- Easy to control, maintain and install
- Coated with electrostatic powder paint resistant to external factors and corrosion
- Aesthetic appearance
- Spare parts and service guarantee



Technical Data Sheets

Tank Volume (l)	Tank Height "H" (mm)	Tank Depth "D" (mm)	Operating Temperatures (°C)	CONNECTION				Weight (kg)
				Discharge (inch)	Messenger (inch)	Aerial (inch)	Inlet-Outlet (inch)	
50	595	430	-10/100	1/2	1/2	3/4	1	9.4
80	835	430	-10/100	1/2	1/2	3/4	1	15
110	895	460	-10/100	1/2	1/2	3/4	1	17,4
200	998	650	-10/100	1/2	1/2	3/4	1 1/4	34.5
300	1295	650	-10/100	1/2	1/2	3/4	1 1/2	45.2

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REFERENCES

- REFERENCES
- CONVERSION TABLES

REFERENCES



İSTANBUL
EMAY İNŞAAT / KENTPLUS
112 PCS. LECTUS 115



ANKARA
KOM YAPI / VADİKENT
150 PCS. LECTUS 115



İSTANBUL
BAK YAPI / PRESTİJ PARK
233 PCS. LECTUS 115



İSTANBUL
KİPTAŞ / BAŞAKŞEHİR 1. ETAP
137 PCS. LECTUS 90

REFERENCES



KOCAELİ
EMLAK KONUT / KÖRFEZKENT 3. ETAP
170 PCS. LECTUS 115



İSTANBUL
İNANLAR İNŞAAT / TERRACE MIX
62 PCS. LECTUS 115



ANTALYA
RIXOS SUNGATE
46 PCS. LECTUS 115



İSTANBUL
AYDINOĞLU İNŞAAT / KURTKÖY AYPÖRT RESIDENCE
40 PCS. LECTUS 115

REFERENCES



KOCAELİ
TÜRKÖZ İNŞAAT / PETKİM PARK
46 PCS. LECTUS 115



İSTANBUL
FCA İNŞAAT / FULLADA MALTEPE
24 PCS. LECTUS 115



KAYSERİ
ENYAPI / ENLİFE KONUTLARI
33 PCS. LECTUS 115



İSTANBUL
ERGUVA İNŞAAT VE DEMİRBAŞ YAPI / W-ROOF KURTKÖY
18 PCS. LECTUS 115

REFERENCES



DİYARBAKIR
ANYAPI İNŞAAT / MED CITY MAHABAD KONUTLARI
34 PCS. LECTUS 115



TEKİRDAĞ
BAHAR İŞİL İNŞAAT / RODOSTO KONAKLARI
31 PCS. LECTUS 115



TEKİRDAĞ
İNAŞ YAPI / VENARA İNŞAAT ÇORLU
28 PCS. LECTUS 115



İZMİR
KATİP ÇELEBİ ÜNİVERSİTESİ
70 PCS. LECTUS 115

REFERENCES



AYDIN
ADNAN MENDERES ÜNİVERSİTESİ
20 PCS. LECTUS 115



ISPARTA
AKFEN İNŞAAT / ISPARTA ŞEHİR HASTANESİ
10 PCS. LECTUS 115



İSTANBUL
GÜRALLAR İNŞAAT / LAPİS HAN
15 PCS. LECTUS 115



İSTANBUL
BE-MA İNŞAAT - EMLAK KONUT / GÖL PANORAMA EVLERİ
53 PCS. MAGNUS

REFERENCES



ANKARA
ORMAN GENEL MÜDÜRLÜĞÜ
3 PCS. MAGNUS

ESKİŞEHİR
ANADOLU ÜNİVERSİTESİ
5 PCS. MAGNUS



SİNOP
SİNOP ÜNİVERSİTESİ
7 PCS. MAGNUS



KONYA
MERAM BELEDİYESİ SOSYAL TESİSLERİ
6 PCS. MAGNUS



REFERENCES



İSTANBUL
DORUK İNŞAAT / ALLURE TOWER
5 PCS. MAGNUS



İSTANBUL
ARNAVUTKÖY BELEDİYESİ
24 PCS. LECTUS / 4 PCS. MAGNUS



İSTANBUL
BEYKALE VE BEYKULE ORTAK GİRİŞİMİ / BEY KASRI KONAKLARI
8 PCS. MAGNUS



KOCAELİ
ÖZEL SEĞMEN KOLEJİ
2 PCS. MAGNUS

REFERENCES



ANTALYA
J'ADORE DELUXE HOTEL & SPA
150 PCS. APOLLO E XL SOLAR COLLECTORS
4 PCS. HEAT PUMP



ŞANLIURFA
HARRAN ÜNİVERSİTESİ
92 PCS. APOLLO E XL SOLAR COLLECTORS



ANTALYA
LRS HOTELS PORT RIVER
100 PCS. APOLLO E XL SOLAR COLLECTORS



ÇANAKKALE
PANOROMA KONUTLARI
36 PCS. SPLIT HEAT PUMP

REFERENCES



ANKARA
EMLAK KONUT / SOFA LOCA
34 PCS. LECTUS 115 / 25 kW PV SETUP



KOCAELİ
TOKİ DİLOVAŞI
110 PCS. DAB FREQUENCY CONTROLLED PUMP



İSTANBUL
TOKİ KAYABAŞI
220 PCS. DAB FREQUENCY CONTROLLED PUMP



DİYARBAKIR
DİBAY İNŞAAT / TOKİ KONUTLARI
234 PCS. DAB FREQUENCY CONTROLLED PUMP
121 PCS. DAB DRAINAGE PUMP

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İSTANBUL
DELTA İZSİZ HOLDİNG / DELTA DELUXE
100 PCS. ECO 24 Fi COMBI BOILER



İSTANBUL
BAYRAMOĞLU İNŞAAT / TUZLA YAYLA PARK EVLERİ
130 PCS. COMBI BOILER / 1.550 MTUL PANEL RADIATORS



İSTANBUL
KAHRAMAN YAPI / HALIÇ PANORAMA
316 PCS. ELEGANT SPLIT AIR-CONDITIONERS



ANTALYA
MAXX ROYAL
39 PCS. İDEE COMBI BOILER / 27 PCS. ENAMEL BOILER

REFERENCES



İSTANBUL
GREY YAPI / TRENDİST ATAŞEHİR
22 PCS. MULTIBLOC STEEL BOILER



ADANA
PIRLANTA İKON LIFE
5 PCS. MULTIBLOC STEEL BOILER



İSTANBUL
SUR YAPI / İDİLİA
6 PCS. YAKUT STEEL BOILER



ANKARA
ASM İNŞAAT / PLATİN KONUTLARI
2 PCS. STEEL BOILER / 1690 MTUL PANEL RADIATORS

REFERENCES



DENİZLİ
TOKİ KONUTLARI
3000 MTUL PANEL RADIATORS

ANKARA
ULUCANLAR TOKİ KONUTLARI
3000 MTUL PANEL RADIATORS



BİNGÖL
TOKİ KONUTLARI
136 PCS. LECTUS 115



AFYON
TOKİ KONUTLARI
23 PCS. MULTIBLOC BOILER



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ÇANAKKALE
KÖŞDERE ÖĞRENCİ YURDU
2 PCS. MAGNUS I 650



ELAZIĞ
TUĞRAKENT SİTESİ
2 PCS. MAGNUS I 650



İSTANBUL
ASFOR ATAŞEHİR KONUT PROJESİ
2 PCS. MAGNUS I 650



TRABZON
KARDELEN SİTESİ
4 PCS. MAGNUS

REFERENCES



TRABZON
KARŞIYAKA KOZA SİTESİ
3 PCS. MAGNUS



TRABZON
MİMOZA KENT SİTESİ
3 PCS. MAGNUS



ALANYA / ANTALYA
LONICERA WORLD HOTEL
210 PCS. SOLAR COLLECTORS / 15 PCS. HEAT PUMP



ÇANAKKALE
BEGONVILLE VADI EVLERİ
21 PCS. HEAT PUMP

UNIT-TO-UNIT EASY CONVERSION TABLE

PRESSURE								
	psi	inç su 60°F	inç Hg (civa) 32°F	atm	mm Hg 32°F	bar	kgf/cm ²	pascal
psi	1	27,708	2,0360	0,068046	51,715	0,068948	0,07030696	6894,8
inç su	0,036091	1	0,073483	2,4559x10 ⁻³	1,8665	2,4884x10 ⁻³	2,537x10 ⁻³	248,84
inç Hg	0,491154	13,609	1	0,33421	25,4	0,33864	0,034532	3386,4
atm	14,6960	407,19	29,921	1	760	1,01325	1,03323	101325
mm Hg	0,0193368	0,53578	0,03937	1,31579x10 ⁻³	1	1,3332x10 ⁻³	1,3595x10 ⁻³	133,32
bar	14,5038	401,86	29,53	0,98692	750,062	1	1,01972	100000
kgf/cm ²	14,223	394,1	28,959	0,96784	735,559	0,980665	1	98066,5
pascal	1,45038x10 ⁻⁴	4,0186x10 ⁻³	2,953x10 ⁻⁴	9,8692x10 ⁻⁶	7,50x10 ⁻³	10 ⁻⁵	1,01972x10 ⁻⁵	1

MASS				
	lb	grain	ons	kg
lb	1	7000	16	0,45359
grain	1,4286x10 ⁻⁴	1	2,2857x10 ⁻³	6,48x10 ⁻⁵
ons	0,0625	437,5	1	0,02835
kg	2,20462	15432	35,274	1

VOLUME					
	inç ³	ft ³	gallon	liter	m ³
inç ³	1	0,0005787	0,004329	0,0163871	1,63871x10 ⁻⁵
ft ³	1728	1	7,48052	28,317	0,028317
gallon	231	0,13368	1	3,7854	0,0037854
litre	61,02374	0,035315	0,264173	1	0.001
m ³	61023,74	35,315	264,173	1000	1

ENERGY					
	Btu	ft.lb _f	calorie	joule	watt-hour
Btu	1	778,17	251,9958	1055,056	0,293071
ft.lb	1,2851x10 ⁻³	1	0,32383	1,355818	3,7666x10 ⁻⁴
kalori	3.9683x10 ⁻³	3,08803	1	4,1868	0,00163
joule	9,4782x10 ⁻⁴	0.73756	0,23885	1	2,7778x10 ⁻⁴
watt-saat	3,41214	2655,22	859,85	3600	1

DENSITY				
	lb/ft ³	lb/gal	g/cm ³	kg/m ³
lb/ft ³	1	0,133680	0,016018	16,018463
lb/gal	7,48055	1	0,119827	119,827
g/cm ³	62,428	8,34538	1	1000
kg/m ³	0,062428	0,008345	0,001	1

UNIT-TO-UNIT EASY CONVERSION TABLE

SPECIFIC VOLUME				
	ft ³ /lb	gal/lb	cm ³ /g	m ³ /kg
ft ³ /lb	1	7,48055	62,428	0,062428
gal/lb	0,13368	1	8,34538	0,008345
cm ³ /g	0,016018	0,119827	1	0,001
m ³ /kg	16,018463	119,827	1000	1

SPECIFIC HEAT			
	Btu/(lb.ft. ° F)	Cal/(g.K)	KJ/(kg.K)
Btu/(lb.ft. ° F)	1	1	4,1868
Cal/(s.cm. ° C)	1	1	4,1868
KJ/(kg.K)	0,23885	0,23885	1

ENTHALPY			
	Btu/lb	Cal/g	J/g
Btu/lb	1	0,55556	2,326
Cal/g	1,8	1	4,1868
J/g	0,42992	0,23885	1

CONDUCTIVITY			
	Btu/(h.ft. ° F)	Cal/(s.cm. ° C)	W/(m.K)
Btu/(h.ft. ° F)	1	0,0041338	1,7307
Cal/(s.cm. ° C)	241,91	1	418,68
W/(m.K)	0,5779	0,002388	1

VISCOSITY					
	poise	lb _f .s/ft ²	lb _f .h/ft ²	kg/m.s	lb _m /ft.s
poise	1	0,0020885	5,8014x10 ⁻⁷	0,1	0,0671955
lb _f .s/ft ²	487,8026	1	2,7778x10 ⁻⁴	47,88026	32,17405
lb _f .h/ft ²	1723689	3600	1	172369	1,72369x10 ⁻⁶
kg/m.s	10	0,020885	5,8014x10 ⁻⁶	1	0,0671955
lb _m /ft.s	14,8819	0,031081	8,6336x10 ⁻⁶	1,4882	1

HEAT TRANSFER COEFFICIENT				
	Btu/(h.ft ² . ° F)	Cal/(s.cm ² . ° C)	Kcal/(h.m ² . ° C)	W/(m ² .K)
Btu/(h.ft ² . ° F)	1	0,00007535	2,712	3,154
Cal/(s.cm ² . ° C)	13272	1	36000	41870
Kcal/(h.m ² . ° C)	0,3687	0,00002778	1	0,00011163
W/(m ² .K)	0,317	0,00002388	0,86	1

* The values in the book of ASHRAE (American Society of Heating, refrigerating and air-Conditioning Engineers) Fundamentals 2001 were taken into consideration during the preparation of all unit conversion tables.



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JAN 2018