A

D

B

CE

GENERAL DATA

Applications

Pump for hot or cold water circulation in small community central heating and air conditioning systems for both civil and industrial applications, of the closed circuit pressurized or open circuit type.

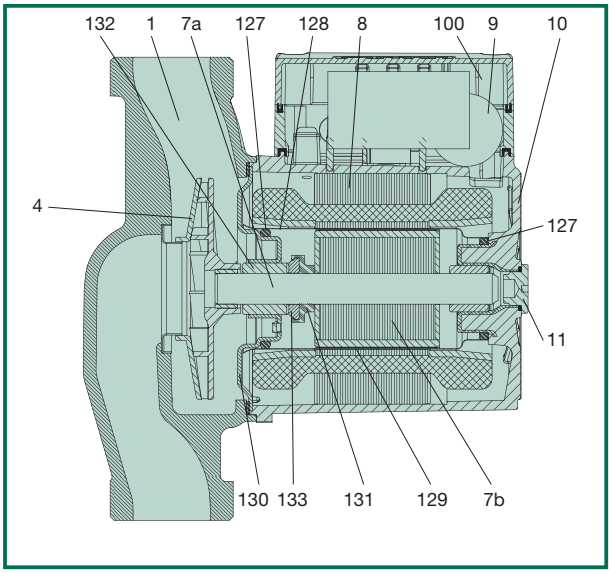
Construction features

Pump body in cast iron and motor in die cast aluminium.
Impeller in technopolymer, motor shaft in hardened stainless steel held in graphite bearings lubricated by the pumping medium.
Pump body with threaded ports.
Rotor protective jacket, stator jacket, and closing flange in stainless steel.
The two-pole asynchronous wet rotor motor features three-speed operation.
Integral thermal probe in single-phase version.

Protection rating: IP 44
Insulation class: F
Cable gland: PG 11
Installation: with horizontal motor shaft
Standard voltage input: single-phase 230 V / 50 Hz
three-phase 400 V/ 50 Hz
This product complies with European standard EN 60335-2-51

TECHNICAL DATA

N.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON
4	IMPELLER	TECHNOPOLYMER
7A	MOTOR SHAFT	STAINLESS STEEL
7B	ROTOR	–
8	STATOR	–
9	CAPACITOR	–
10	MOTOR CASING	DIE CAST ALUMINIUM
11	BREATHER PLUG	BRASS
100	TERMINAL BOX	–
127	SEAL RING	ETHYLENE PROPYLENE
128	STATOR JACKET	STAINLESS STEEL
129	ROTOR JACKET	STAINLESS STEEL
130	CLOSING FLANGE	STAINLESS STEEL
131	THRUST RING SUPPORT	ETHYLENE PROPYLENE
132	BUSHINGS	GRAPHITE
133	THRUST RING	CERAMIC



– Designation index:
(example)

D 50 / 250(.40) M

A = circulator with threaded ports
B = flanged circulator
D = twin circulator

Maximum head (dm)

Centre distance (mm)

( ) = 1" 1/2 threaded ports
(X) = 2" threaded ports
(.40) = DN40/PN10 flanged ports

M = single-phase motor
T = three-phase motor

Operating range:	from 1 to 12 m^3/h with head of up to 11 m.
Liquid temperature range:	from –10°C to +110°C
Liquid quality requirements:	clean, free of solid contaminants and mineral oils, non-viscous, chemically neutral, close to the properties of water **(max. glycol contents 30%).**
Maximum working pressure:	10 bar (1000 kPa).
Minimum suction pressure:	the values are given in the relative tables.
Installation:	with HORIZONTAL MOTOR SHAFT on discharge or return pipe, with suction port as close as possible to expansion vessel, above maximum boiler level and as far as possible from bends, elbows, and circuit branches to avoid water turbulence with consequent noise.
SPECIAL executions on request:	alternative voltages and/or frequencies
Accessories:	1/2" F - 3/4" F - 1" F - 1 1/4"F - 1 1/4"M unions DN40/PN10 counter-flanges

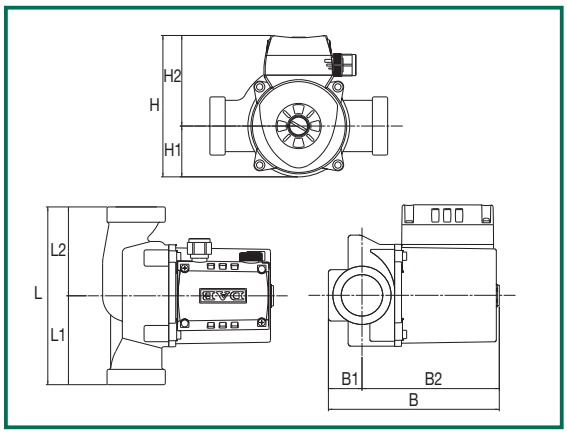
The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equivalent to 1000 kg/m^3. Tolerance of curves to ISO 9906.

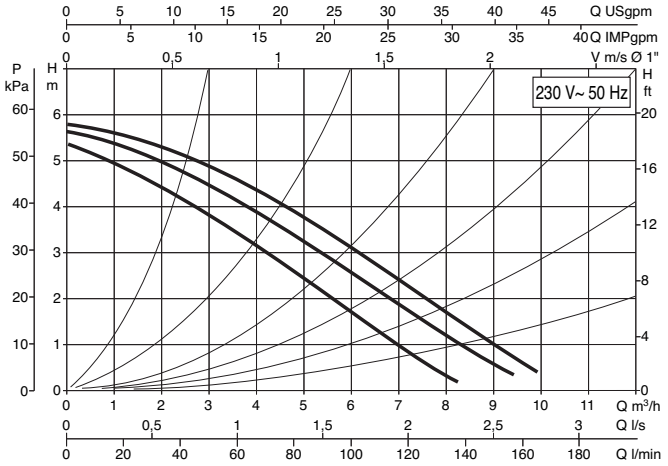
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure 10 bar (1000 kPa)

A 50/180 XM

SINGLE WITH UNIONS - SINGLE-PHASE



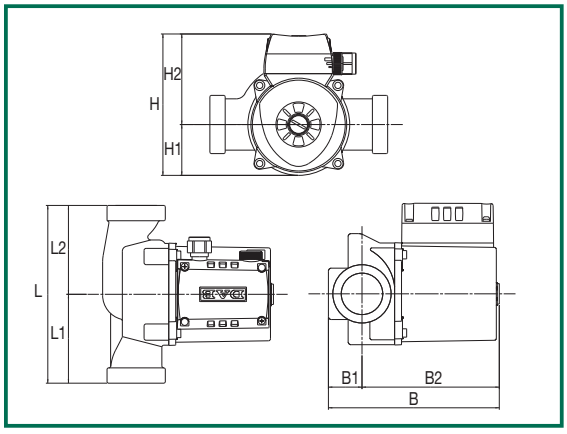


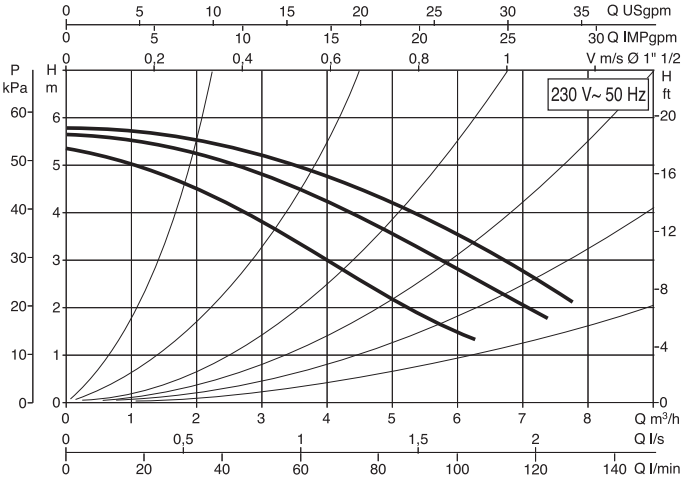
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m^3	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
A 50/180 XM	1x230 V ~	180	1 1/4 "	3 2 1	2791 2651 2297	184 189 168	0,92 0,92 0,80	4	400	t° +90°C m.c.a. 1,5

A 50/180 M

SINGLE WITH UNIONS - SINGLE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m^3	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
A 50/180 M	1x230 V ~	180	1"	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	4	400	t° +90°C m.c.a. 1,5

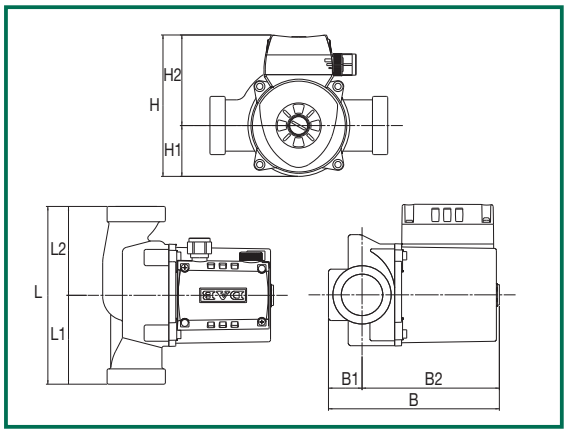
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

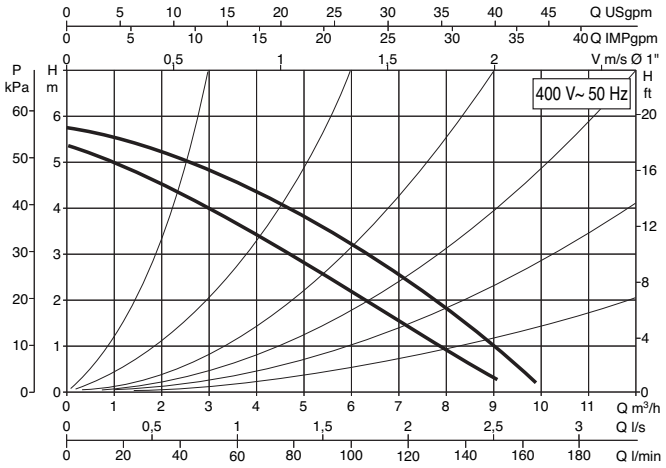
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 50/180 XT

SINGLE WITH UNIONS - THREE-PHASE



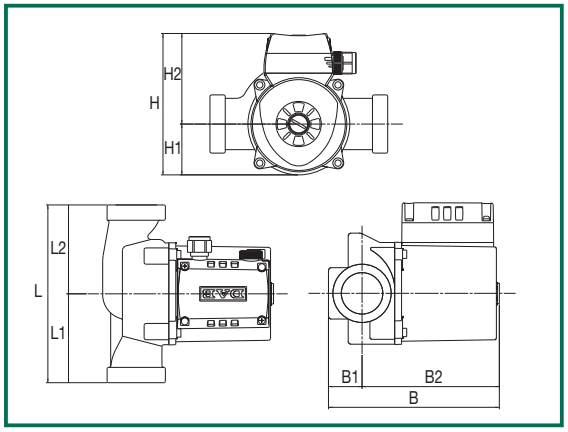


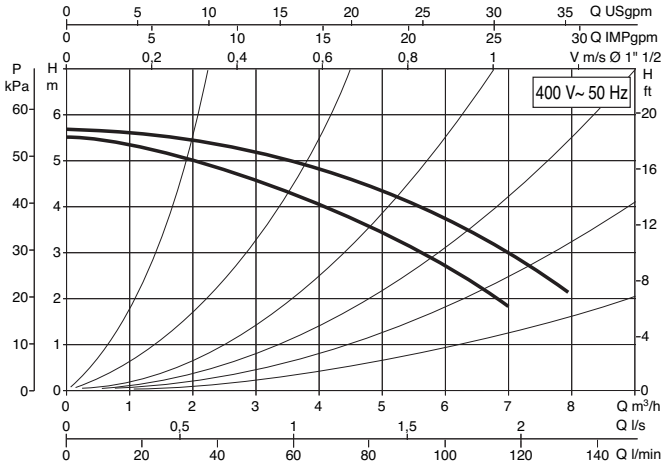
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 50/180 XT	3x400 V ~	180	1" 1/4	2 1	2838 2520	201 129	0,50 0,23	–	–	t° +90°C m.c.a. 1,5

A 50/180 T

SINGLE WITH UNIONS - THREE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 50/180 T	3x400 V ~	180	1"	2 1	2827 2502	197 139	0,52 0,25	–	–	t° +90°C m.c.a. 1,5

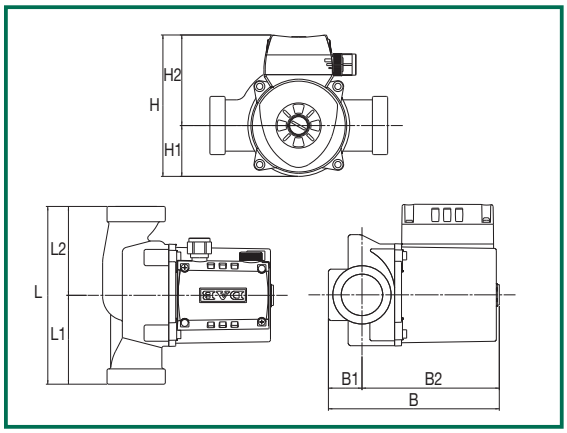
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

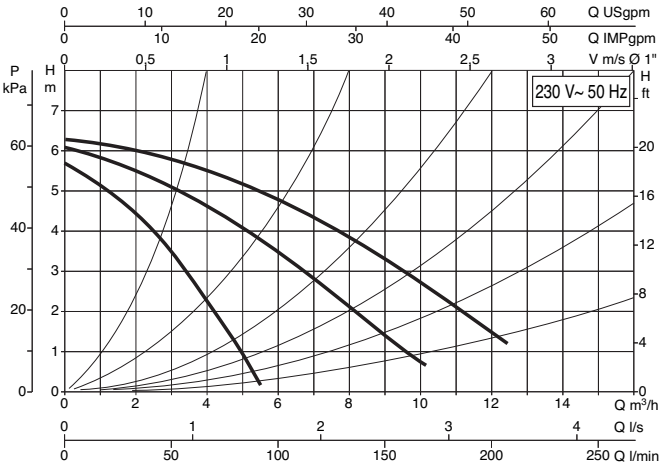
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 56/180 XM

SINGLE WITH UNIONS - SINGLE-PHASE



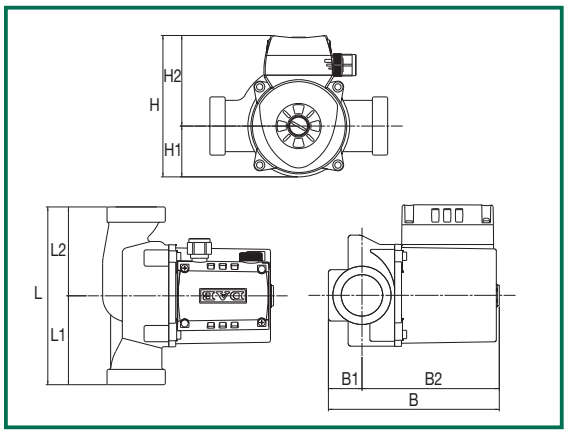


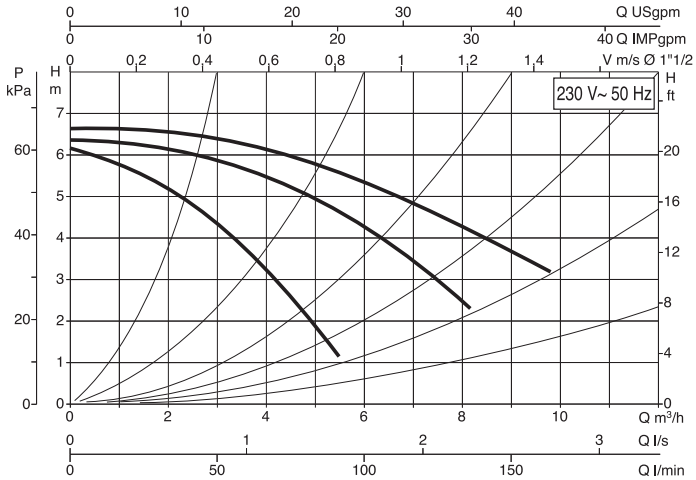
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 56/180 XM	1x230 V ~	180	1" 1/4	3 2 1	2658 2117 1394	271 294 224	1,18 1,32 1,00	7	400	t° +90°C m.c.a. 1,5

A 56/180 M

SINGLE WITH UNIONS - SINGLE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 56/180 M	1x230 V ~	180	1"	3 2 1	2636 2226 1485	282 287 228	1,23 1,30 1,06	7	400	t° +90°C m.c.a. 1,5

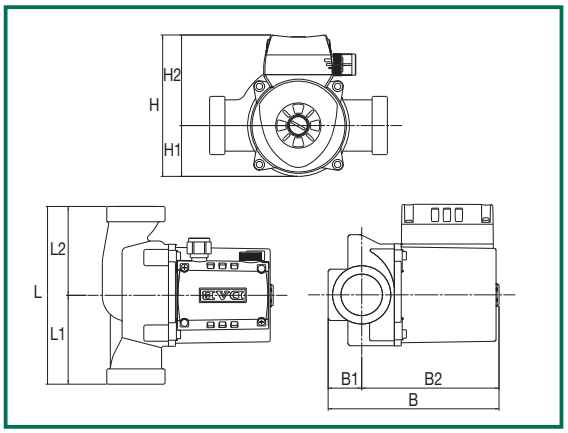
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

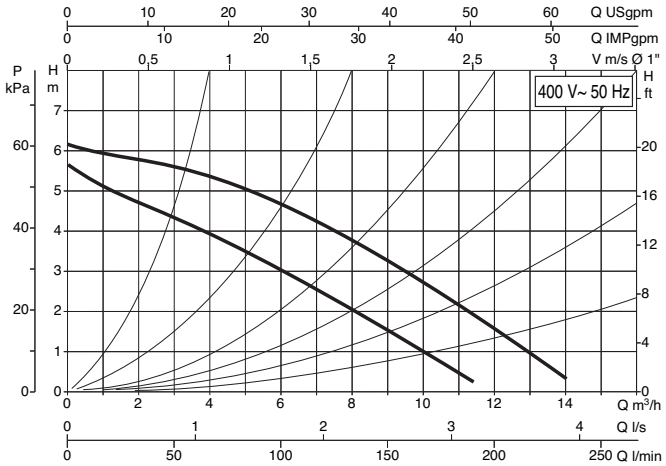
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 56/180 XT

SINGLE WITH UNIONS - THREE-PHASE



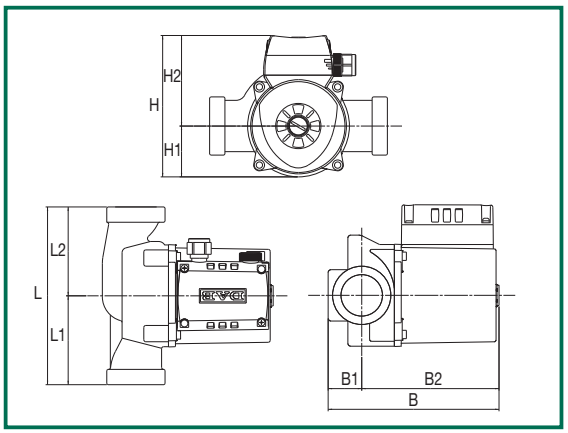


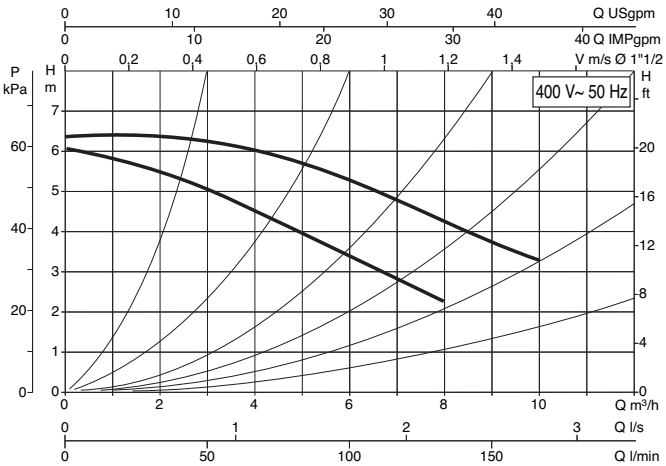
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 56/180 XT	3x400 V ~	180	1" 1/4	2 1	2708 2178	291 200	0,60 0,32	–	–	t° +90°C m.c.a. 1,5

A 56/180 T

SINGLE WITH UNIONS - THREE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 56/180 T	3x400 V ~	180	1"	2 1	2704 2178	294 200	0,60 0,33	–	–	t° +90°C m.c.a. 1,5

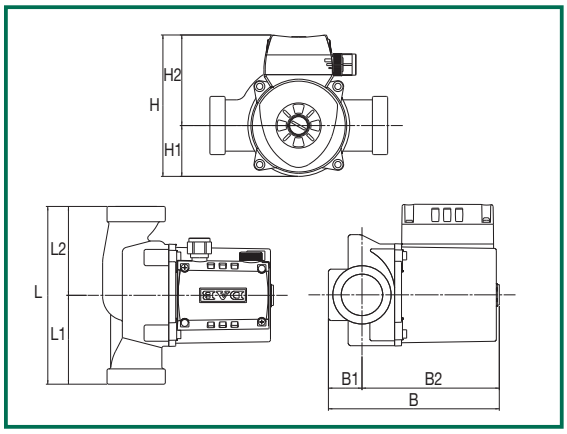
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

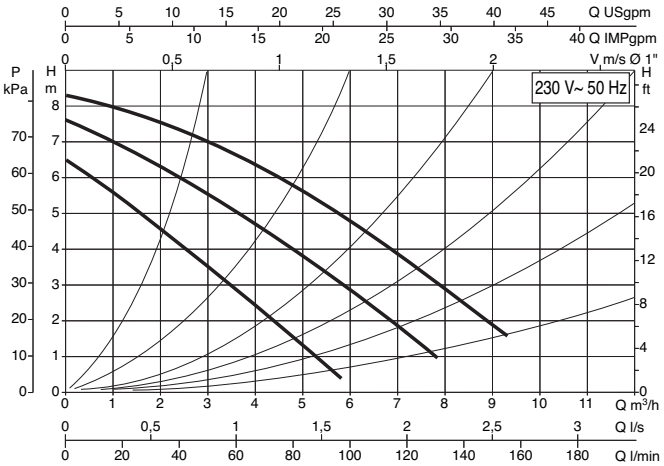
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 80/180 XM

SINGLE WITH UNIONS - SINGLE-PHASE



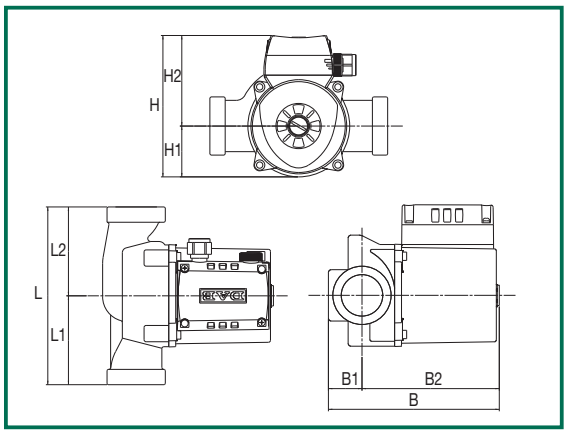


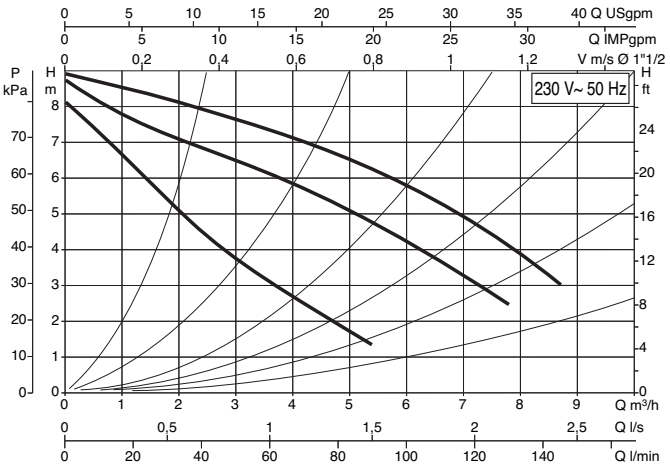
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 80/180 XM	1x230 V ~	180	1" 1/4	3 2 1	2683 2374 1688	256 260 218	1,12 1,17 1,00	7	400	t° +90°C m.c.a. 2,5

A 80/180 M

SINGLE WITH UNIONS - SINGLE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 80/180 M	1x230 V ~	180	1"	3 2 1	2674 2356 1615	264 262 223	1,15 1,20 1,00	7	400	t° +90°C m.c.a. 2,5

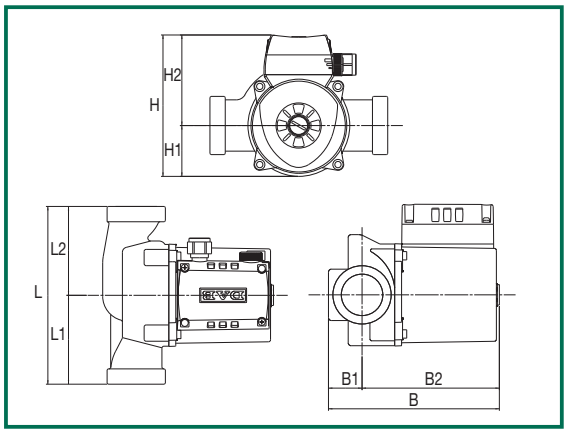
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

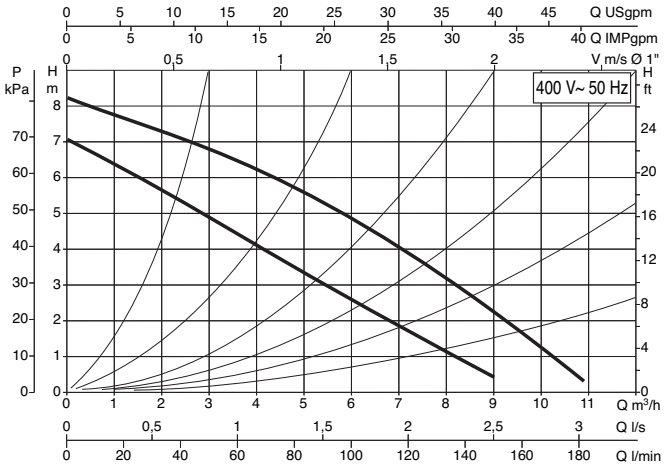
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 80/180 XT

SINGLE WITH UNIONS - THREE-PHASE



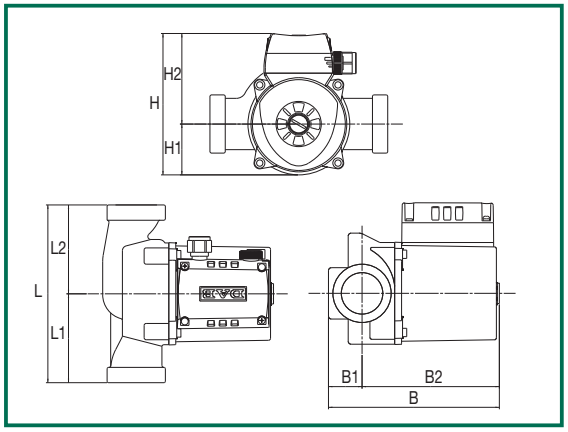


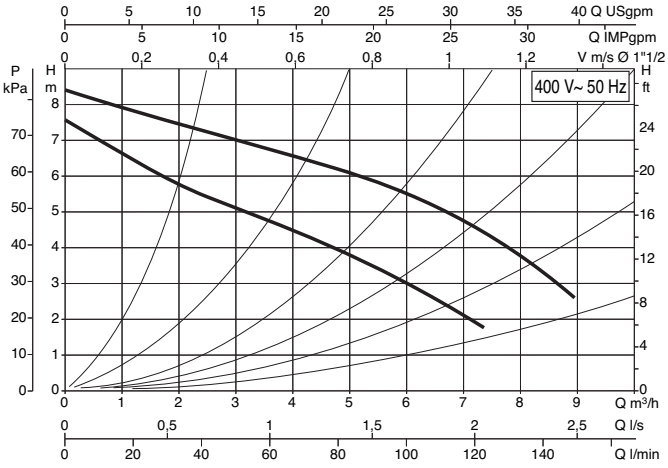
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	2" G	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
A 80/180 XT	3x400 V ~	180	1" 1/4	2 1	2727 2227	272 186	0,57 0,30	–	–	t° +90°C m.c.a. 2,5

A 80/180 T

SINGLE WITH UNIONS - THREE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m³	WEIGHT Kg
180	90	90	173	34	139	143	52	92	1" 1/2	206	170	180	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
A 80/180 T	3x400 V ~	180	1"	2 1	2724 2226	271 187	0,57 0,31	–	–	t° +90°C m.c.a. 2,5

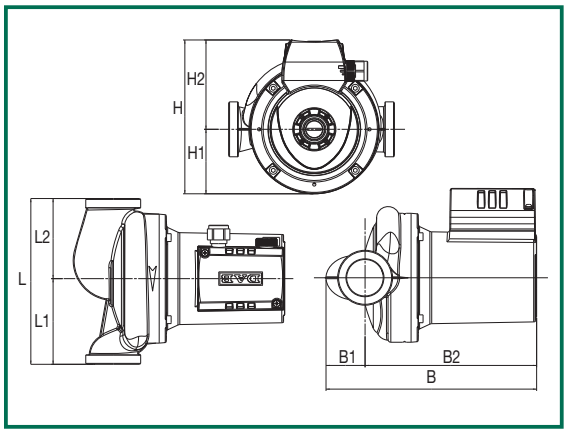
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

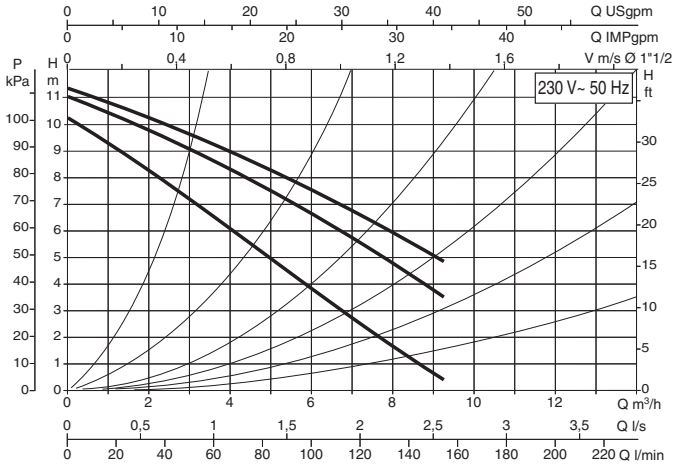
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 110/180 M

SINGLE WITH UNIONS - SINGLE-PHASE



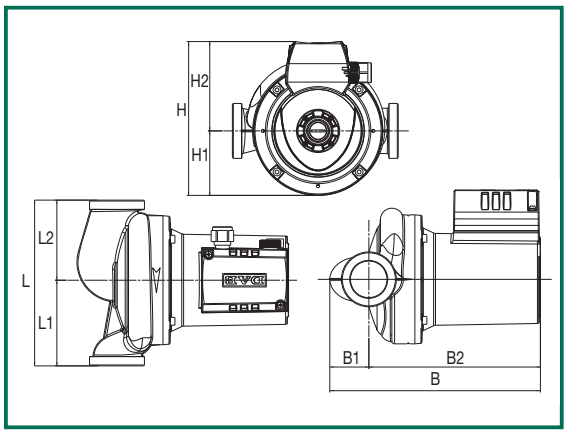


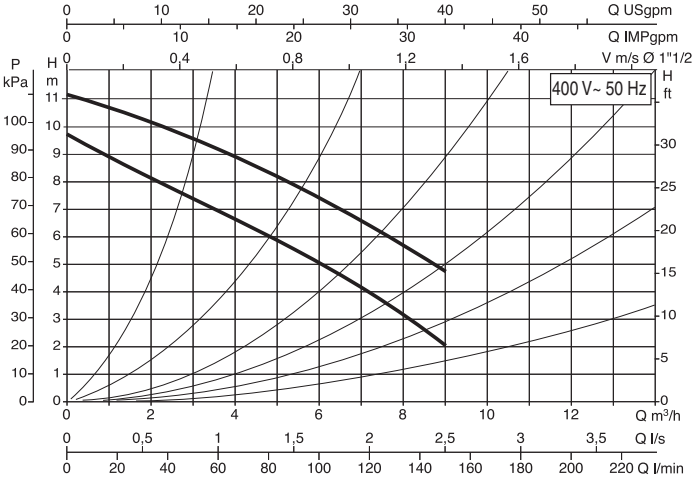
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	93	87	229	42	186	167	70	97	1 1/2" G	237	200	272	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 110/180 M	1x230 V ~	180	2" G	3 2 1	2746 2552 2052	410 393 361	1,6 1,8 1,7	12	450	t° +90°C m.c.a. 2,5

A 110/180 T

SINGLE WITH UNIONS - THREE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	93	87	229	186	42	163	70	93	1 1/2" G	237	200	272	0,066	5,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 110/180 T	3x400 V ~	180	2" G	2 1	2753 2338	402 286	0,87 0,48	–	–	t° +90°C m.c.a. 2,5

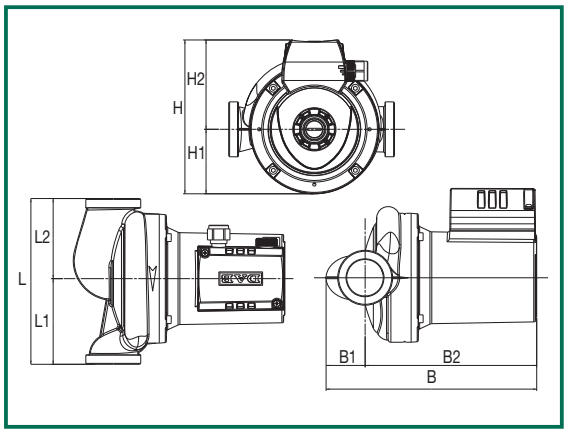
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906..

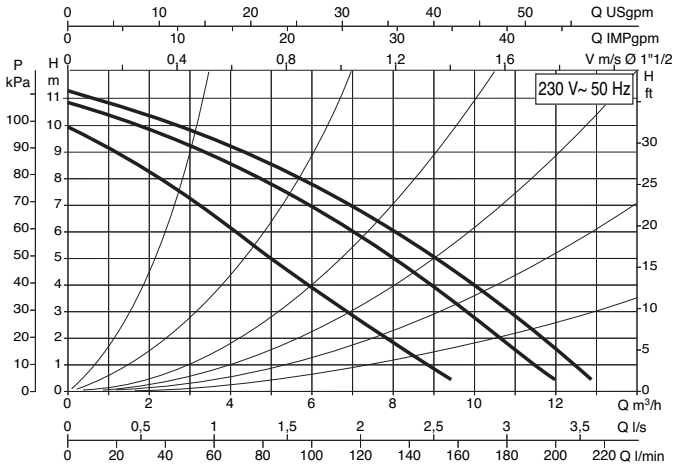
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

A 110/180 XM

SINGLE WITH UNIONS - SINGLE-PHASE



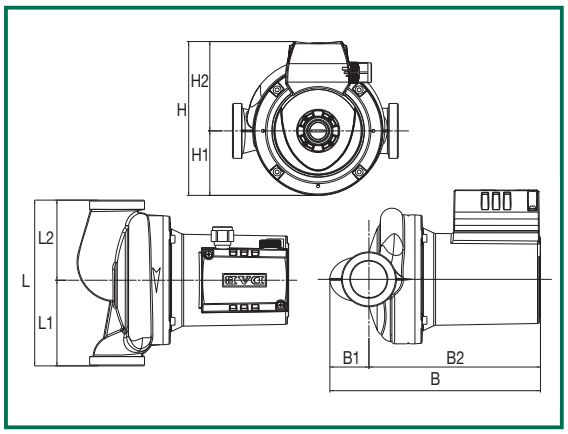


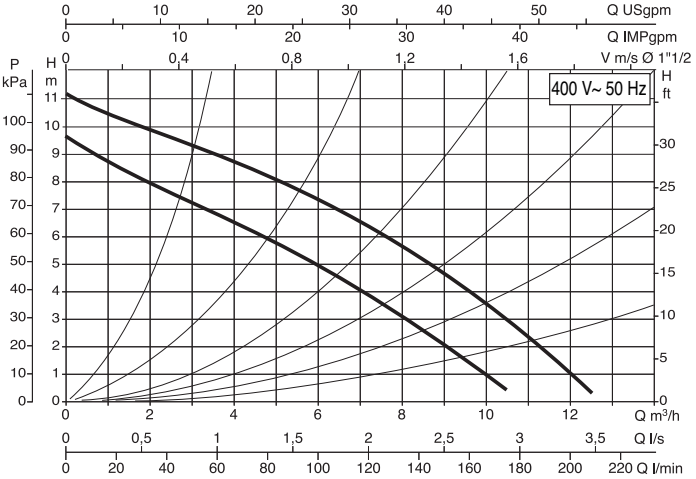
L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	93	87	229	42	186	167	70	97	2" G	237	200	272	0,066	5,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 110/180 XM	1x230 V ~	180	1" 1/4	3 2 1	2746 2552 2052	410 393 361	1,7 1,8 1,6	12	450	t° +90°C m.c.a. 2,5

A 110/180 XT

SINGLE WITH UNIONS - THREE-PHASE





L	L1	L2	B	B1	B2	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
180	93	87	229	186	42	163	70	93	2" G	237	200	272	0,066	5,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
A 110/180 XT	3x400 V ~	180	2" G	2 1	2759 2341	403 289	0,90 0,48	–	–	t° +90°C m.c.a. 2,5

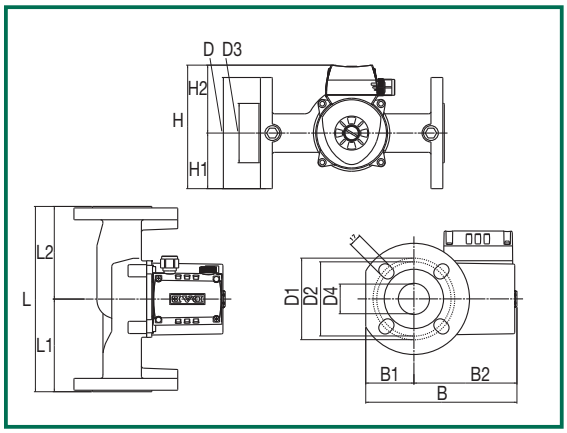
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

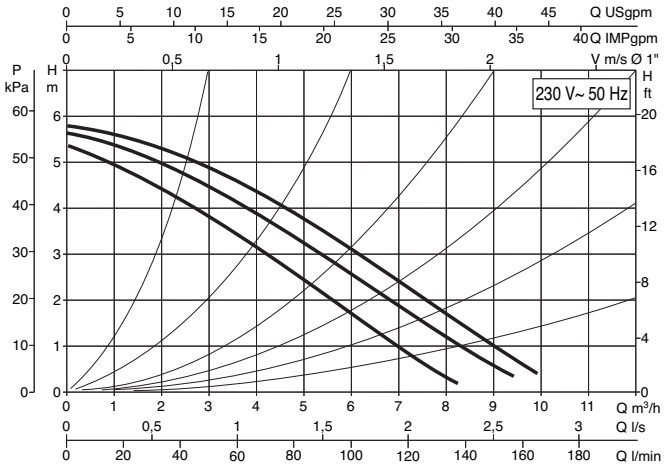
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

B 50/250.40 M

SINGLE FLANGED - SINGLE-PHASE



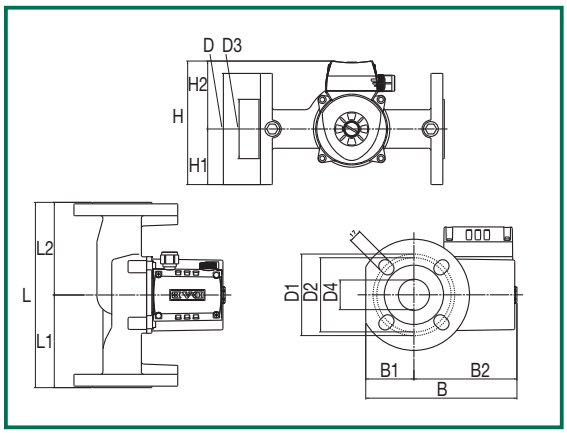


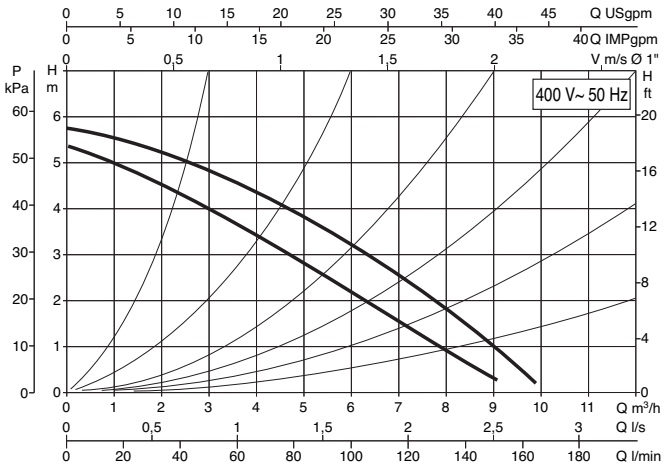
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,1

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 50/250.40 M	1x230 V ~	250	DN 40	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	4	400	t° +90°C m.c.a. 1,5

B 50/250.40 T

SINGLE FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 50/250.40 T	3x400 V ~	250	DN 40	2 1	2838 2520	201 129	0,5 0,23	-	-	t° +90°C m.c.a. 1,5

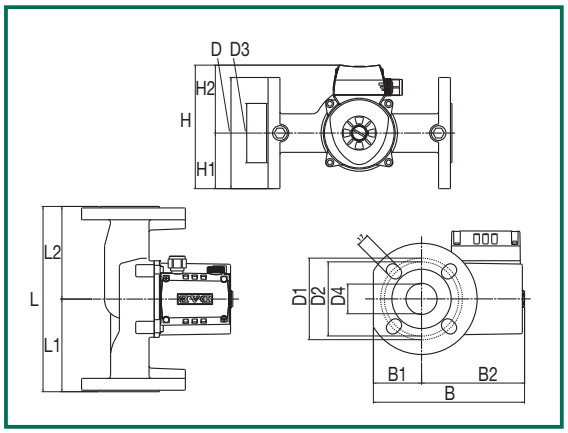
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

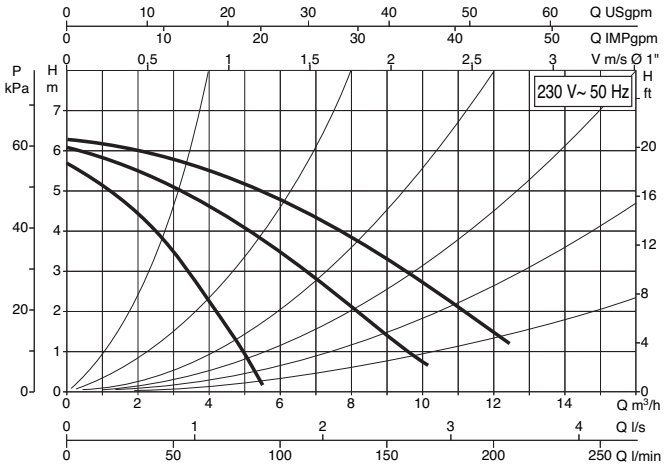
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

B 56/250.40 M

SINGLE FLANGED - SINGLE-PHASE



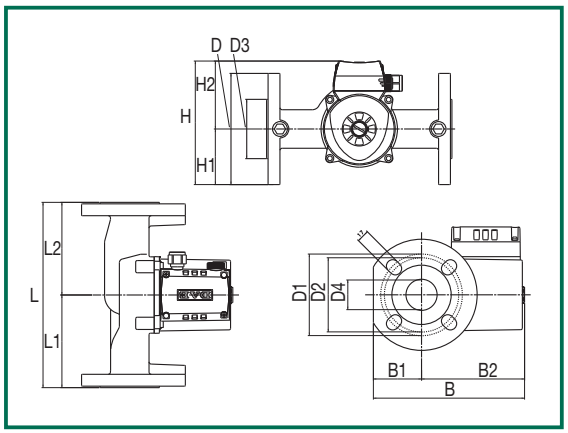


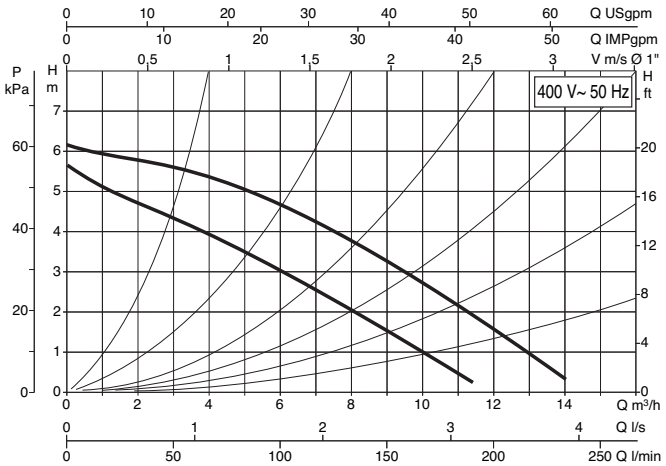
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 56/250.40 M	1x230 V ~	250	DN 40	3 2 1	2658 2117 1394	271 294 224	1,18 1,32 1	7	400	t° +90°C m.c.a. 1,5

B 56/250.40 T

SINGLE FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 56/250.40 T	3x400 V ~	250	DN 40	2 1	2708 2178	291 200	0,6 0,32	-	-	t° +90°C m.c.a. 1,5

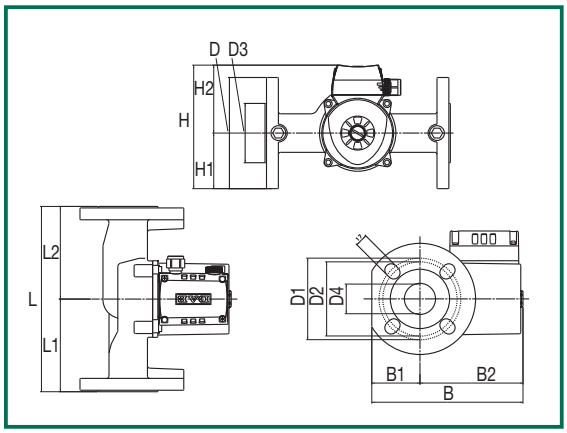
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

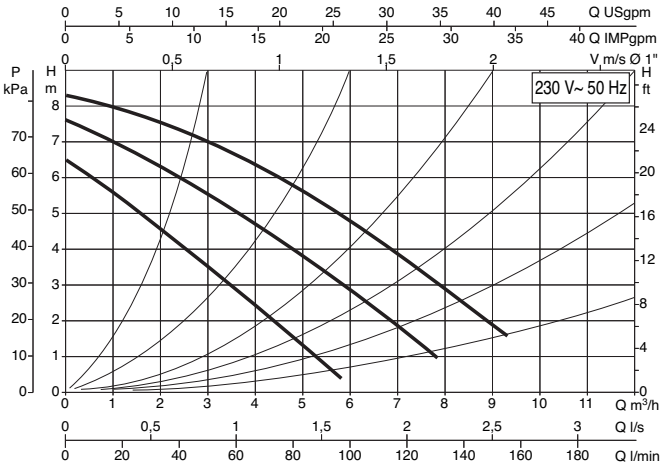
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

B 80/250.40 M

SINGLE FLANGED - SINGLE-PHASE



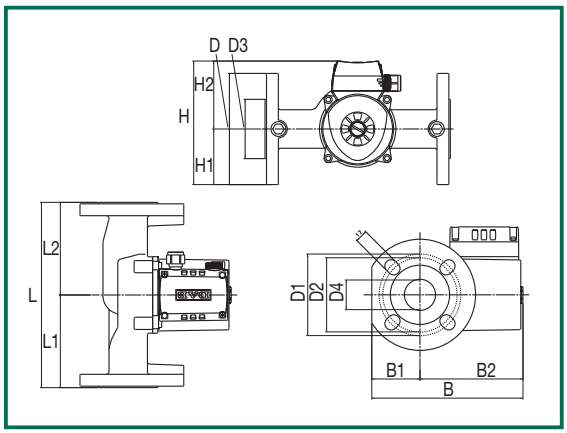


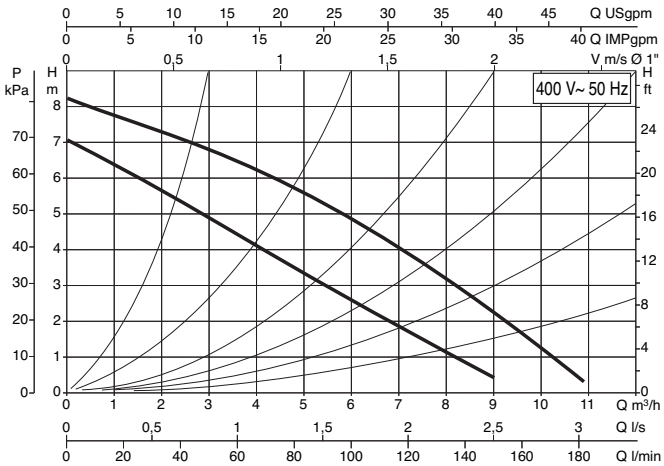
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 80/250.40 M	1x230 V ~	250	DN 40	3 2 1	2683 2374 1688	256 260 218	1,12 1,17 1,00	7	400	t° +90°C m.c.a. 2,5

B 80/250.40 T

SINGLE FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	302	202	283	0,013	9,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
B 80/250.40 T	3x400 V ~	250	DN 40	2 1	2724 2226	271 187	0,57 0,31	–	–	t° +90°C m.c.a. 2,5

DAB PUMP PERFORMANCE

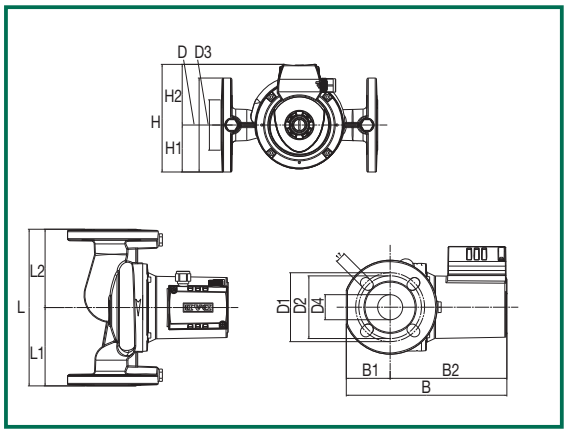
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

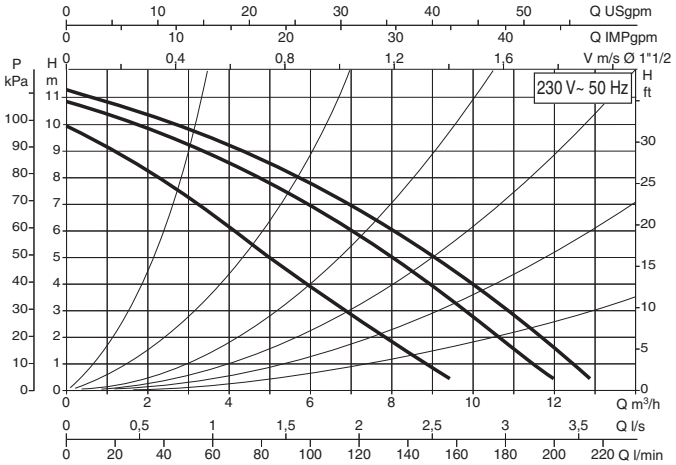
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

B 110/250.40 M

SINGLE FLANGED - SINGLE-PHASE



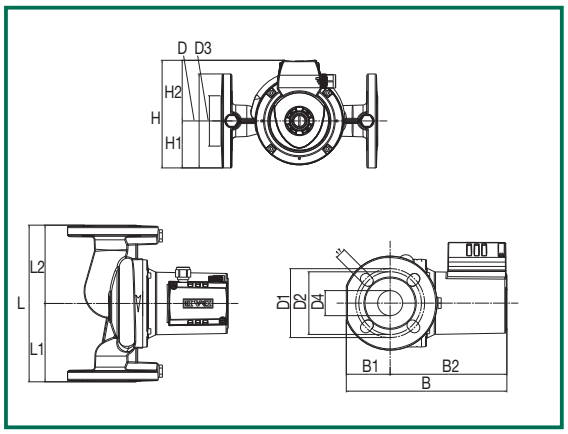


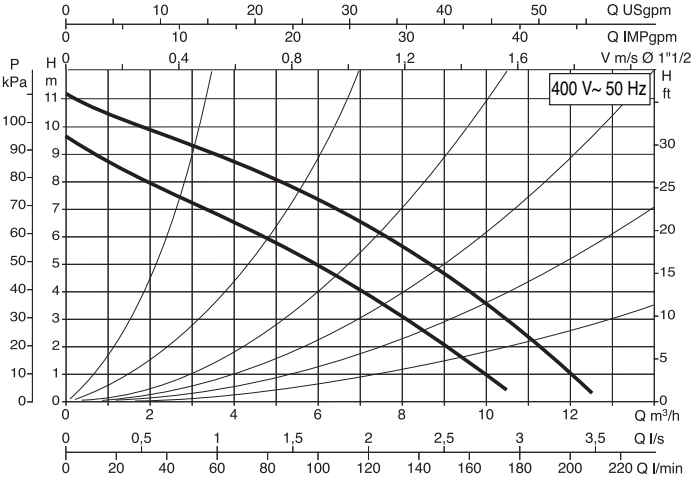
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m³	WEIGHT Kg
250	125	125	256	70	186	150	110	100	80	40	172	75	97	DN40/PN10	302	202	283	0,013	9,2

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
B 110/250.40 M	1x230 V ~	250	DN 40	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5

B 110/250.40 T

SINGLE FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	B	H	VOLUME m³	WEIGHT Kg
250	125	125	256	70	186	150	110	100	80	40	168	75	93	DN40/PN10	302	202	283	0,013	9,3

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	Vc	MINIMUM SUCTION PRESSURE
B 110/250.40 T	3x400 V ~	250	DN 40	2 1	2759 2341	403 289	0,90 0,48	–	–	t° +90°C m.c.a. 2,5

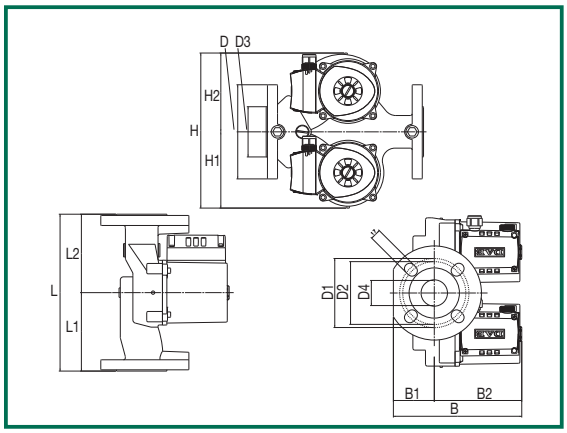
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

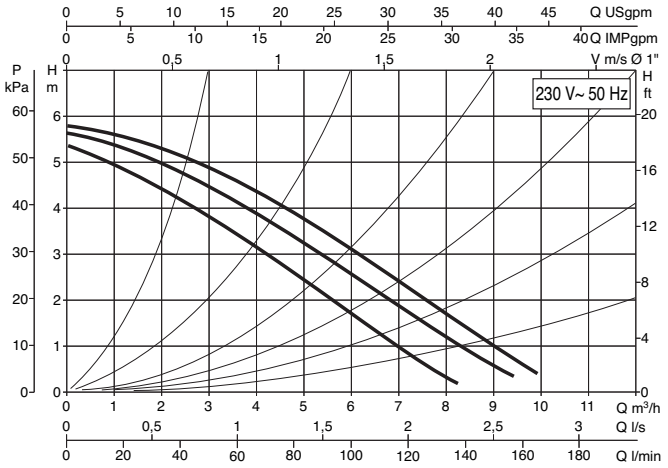
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

D 50/250.40 M

TWIN FLANGED - SINGLE-PHASE





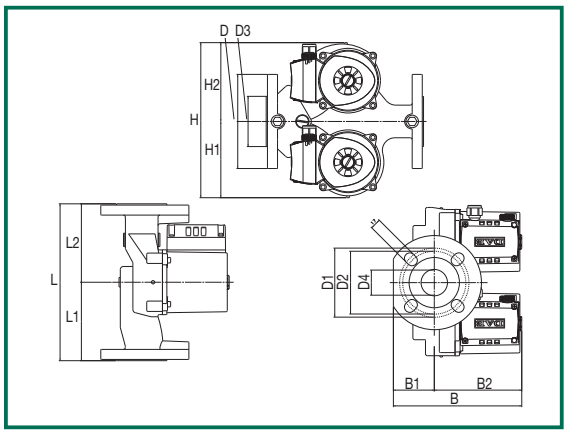
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,3

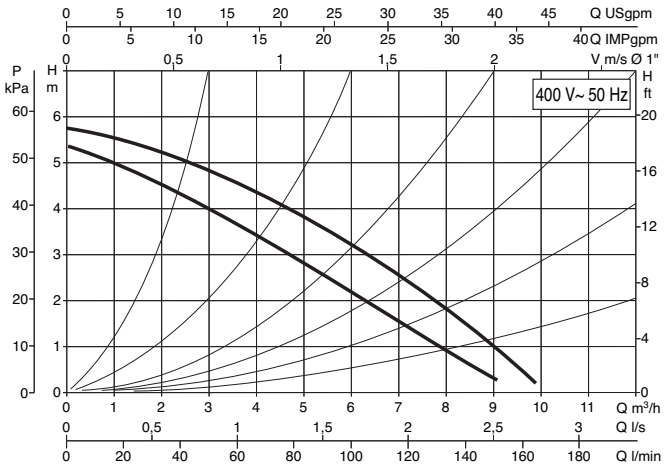
MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 50/250.40 M	1x230 V ~	250	DN 40 - PN 10	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	4	400	t° +90°C m.c.a. 1,5

* Electrical and hydraulic data refer to operation of just one motor.

D 50/250.40 T

TWIN FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,8

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 50/250.40 T	3x400 V ~	250	DN 40 - PN 10	2 1	2838 2520	201 129	0,50 0,23	–	–	t° +90°C m.c.a. 1,5

* Electrical and hydraulic data refer to operation of just one motor.

DAB PUMP PERFORMANCE

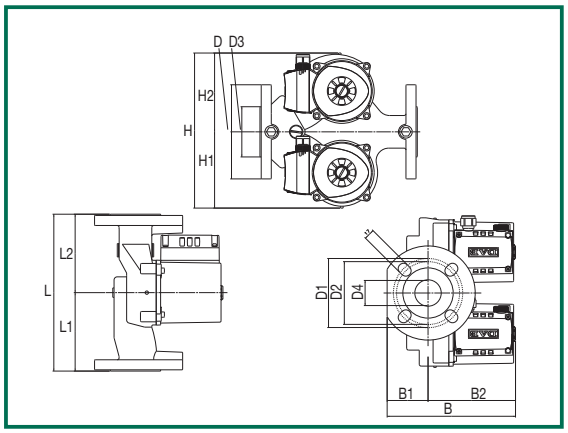
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

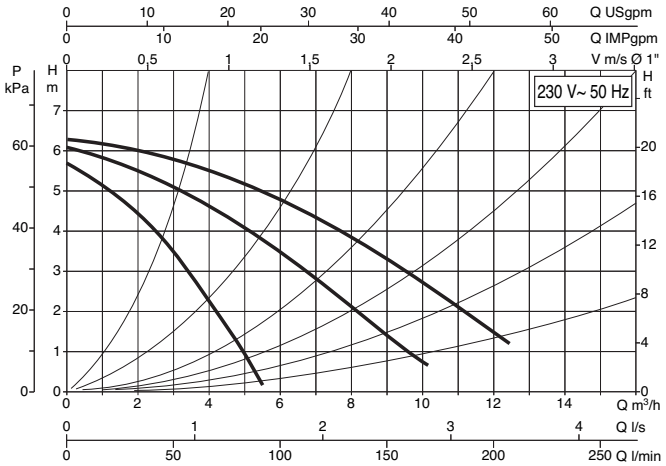
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

D 56/250.40 M

TWIN FLANGED - SINGLE-PHASE





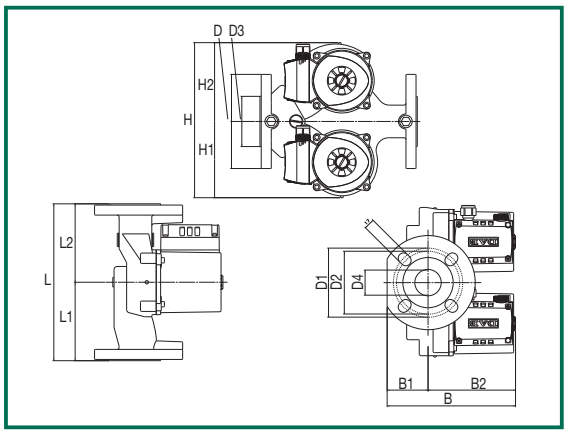
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,8

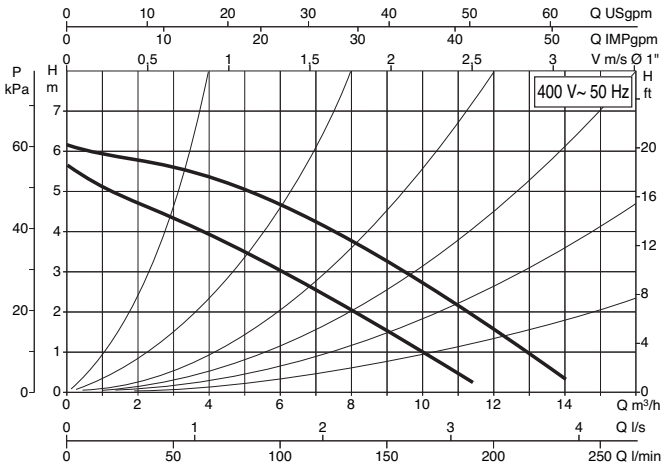
MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 56/250.40 M	1x230 V ~	250	DN 40 - PN 10	3 2 1	2658 2117 1394	271 294 224	1,18 1,32 1,00	7	400	t° +90°C m.c.a. 1,5

* Electrical and hydraulic data refer to operation of just one motor.

D 56/250.40 T

TWIN FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,4

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 56/250.40 T	3x400 V ~	250	DN 40 - PN 10	2 1	2708 2178	291 200	0,60 0,33	–	–	t° +90°C m.c.a. 1,5

* Electrical and hydraulic data refer to operation of just one motor.

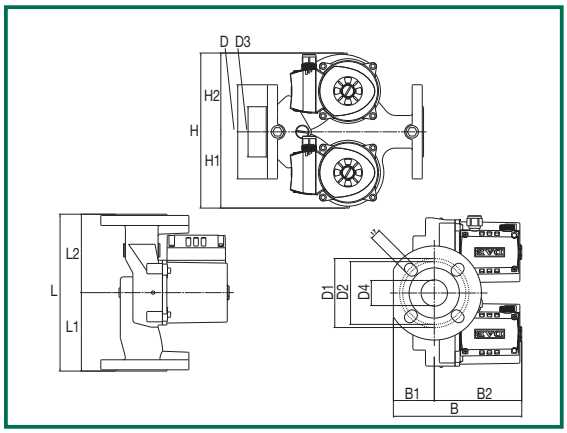
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

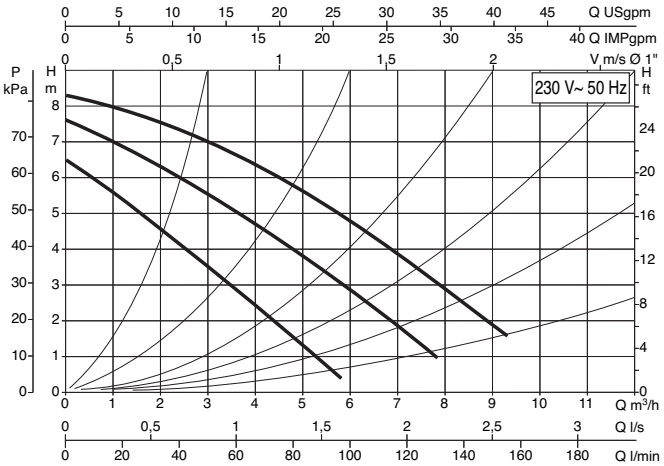
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

D 80/250.40 M

TWIN FLANGED - SINGLE-PHASE





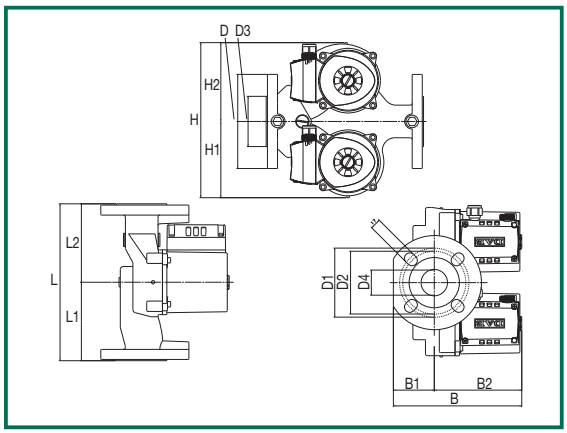
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,8

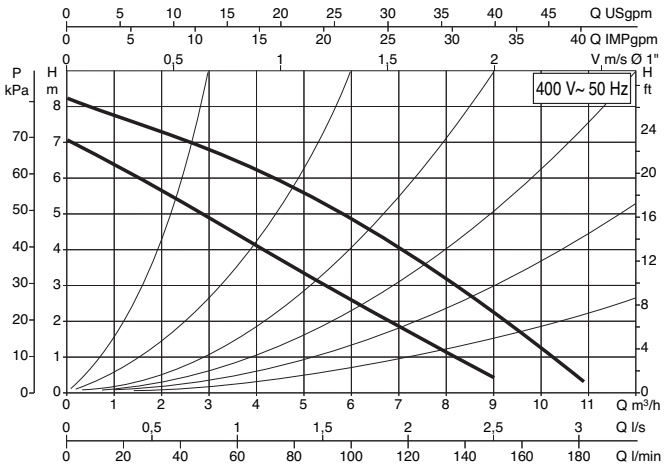
MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 80/250.40 M	1x230 V ~	250	DN 40 - PN 10	3 2 1	2683 2374 1688	256 260 218	1,12 1,17 1,00	7	400	t° +90°C m.c.a. 2,5

* Electrical and hydraulic data refer to operation of just one motor.

D 80/250.40 T

TWIN FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	355	298	283	0,018	15,8

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 80/250.40 T	3x400 V ~	250	DN 40 - PN 10	2 1	2724 2226	271 187	0,57 0,31	–	–	t° +90°C m.c.a. 2,5

* Electrical and hydraulic data refer to operation of just one motor.

DAB PUMP PERFORMANCE

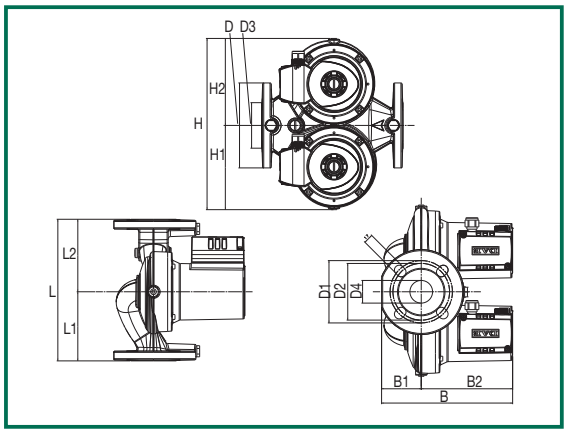
The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Tolerance of curves to ISO 9906.

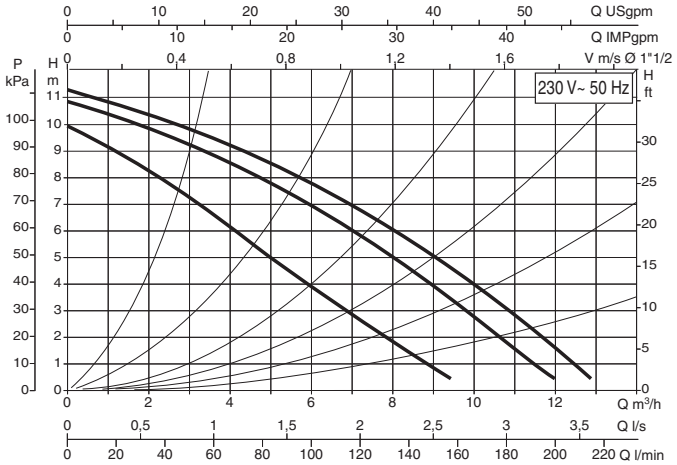
CIRCULATORS FOR HEATING AND AIR CONDITIONING SYSTEMS

Liquid temperature range: from -10°C to +110°C
Maximum working pressure: 10 bar (1000 kPa)

D 110/250.40 M

TWIN FLANGED - SINGLE-PHASE





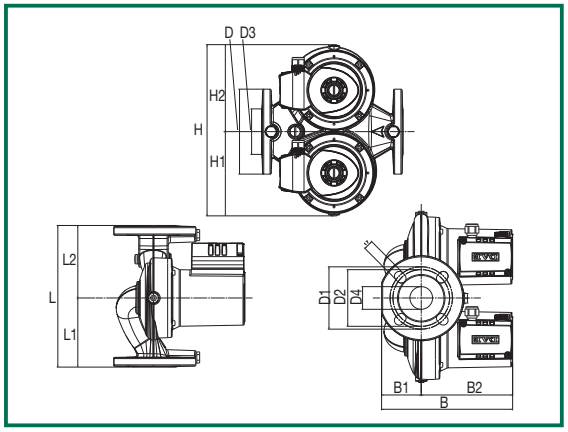
L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	122	128	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	355	298	283	0,018	16

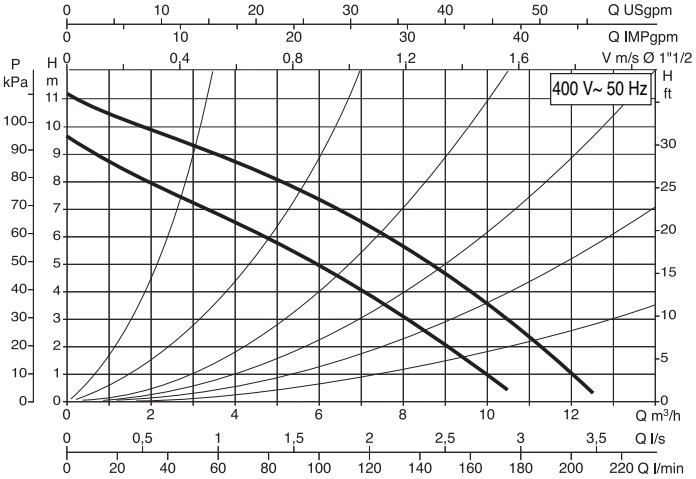
MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 110/250.40 M	1x230 V ~	250	DN 40 - PN 10	3 2 1	2746 2552 2052	410 393 361	1,77 1,78 1,64	12	450	t° +90°C m.c.a. 2,5

* Electrical and hydraulic data refer to operation of just one motor.

D 110/250.40 T

TWIN FLANGED - THREE-PHASE





L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	PACK DIMENSIONS L	PACK DIMENSIONS B	PACK DIMENSIONS H	VOLUME m³	WEIGHT Kg
250	122	128	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	355	298	283	0,018	15,8

MODEL	POWER SUPPLY 50 Hz	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA* SPEED	rpm	P1 MAX W	In A	CAPACITOR µF	CAPACITOR Vc	MINIMUM SUCTION PRESSURE
D 110/250.40 T	3x400 V ~	250	DN 40 - PN 10	2 1	2759 2341	403 289	0,90 0,48	–	–	t° +90°C m.c.a. 2,5

* Electrical and hydraulic data refer to operation of just one motor.

DAB PUMP PERFORMANCE