

HEATING AND AIR CONDITIONING SYSTEMS



Pump body in cast iron and motor casing in die-cast aluminium.

Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite brushings lubricated by the pumped liquid itself.

Flanged vents, (threaded series A), provided with threaded connectors for controlling gauges. Stainless steel protective rotor sleeve, stator sleeve and closing flange. Ceramic thrust bearing, E.P.D.M. "O" rings and brass air outlet cap.

The two-pole asynchronous motor with wet rotors designed for **three-speed** operation, single-phase version, for **two-speed** operation, for three-phase version. Thermal overload protection incorporated in the single phase version.

In the twin version an automatic clapet type valve and blank flange are provided.

Operating range: from 1 to 12 m³/h with head up to 11 metres.

Liquid temperature range: from -10°C to +110°C.

Pumped liquid characteristics: clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max 30% glycol).

Maximum working pressure: 10 bar (1000 kPa).

Protection level: IP 44.

Insulation class: F.

Cable grommet: PG 11.

Installation: with motor axis horizontal.

TECHNICAL DATA - A SINGLE WITH UNIONS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR		
									µF	Vc	
A 50/180 M	505803001	180	11/2"G	1 x 230 V ~	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
A 50/180 XM	505802041	180	2"G	1 x 230 V ~	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 T	505803601	180	11/2"G	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
A 50/180 XT	505802671	180	2"G	3x400 V ~	2 1	2838 2520	201 129	0,50 0,23	-	-	t° +90°C m.c.a. 1,5
A 56/180 M	505805001	180	11/2"G	1 x 230 V ~	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
A 56/180 XM	505804041	180	2"G	1 x 230 V ~	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 T	505805601	180	11/2"G	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
A 56/180 XT	505804671	180	2"G	3x400 V ~	2 1	2708 2178	291 200	0,60 0,32	-	-	t° +90°C m.c.a. 1,5
A 80/180 M	505807001	180	11/2"G	1 x 230 V ~	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
A 80/180 XM	505806041	180	2"G	1 x 230 V ~	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 T	505807601	180	11/2"G	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
A 80/180 XT	505806671	180	2"G	3x400 V ~	2 1	2727 2227	272 186	0,57 0,30	-	-	t° +90°C m.c.a. 2,5
A 110/180 M	505808001	180	11/2"G	1 x 230 V ~	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

A - B - D

WET ROTOR CIRCULATORS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR		
									µF	Vc	
A 110/180 XM	505809001	180	2"G	1 x 230 V ~	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
A 110/180 T	505808601	180	11/2"G	3x400 V ~	2 1	2759 2341	403 289	0,88 0,48	-	-	t° +90°C m.c.a. 2,5
A 110/180 XT	505809601	180	2"G	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

TECHNICAL DATA - B SINGLE WITH OVAL FLANGES



B

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR		
									µF	Vc	
B 50/250.40 M	505812041	250	DN 40	1 x 230 V ~	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	2,5	400	t° +90°C m.c.a. 1,5
B 50/250.40 T	505812671	250	DN 40	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
B 56/250.40 M	505814041	250	DN 40	1 x 230 V ~	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
B 56/250.40 T	505814671	250	DN 40	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
B 80/250.40 M	505816041	250	DN 40	1 x 230 V ~	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
B 80/250.40 T	505816671	250	DN 40	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
B 110/250.40 M	505818001	250	DN 40	1 x 230 V ~	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	505818601	250	DN 40	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

A - B - D

WET ROTOR CIRCULATORS

TECHNICAL DATA - D *TWIN WITH FLANGES*

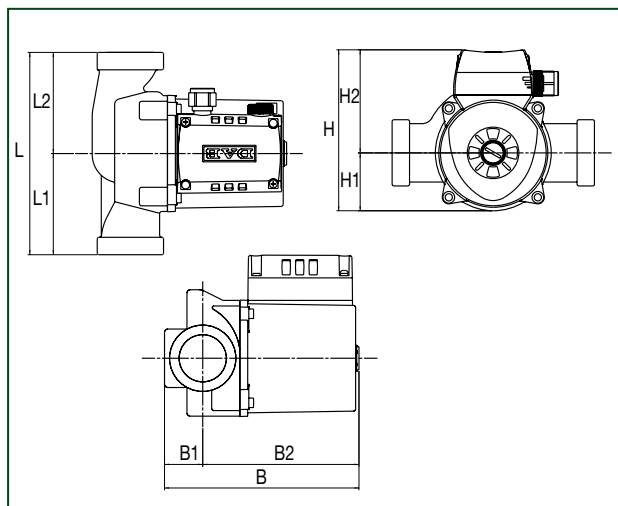


D

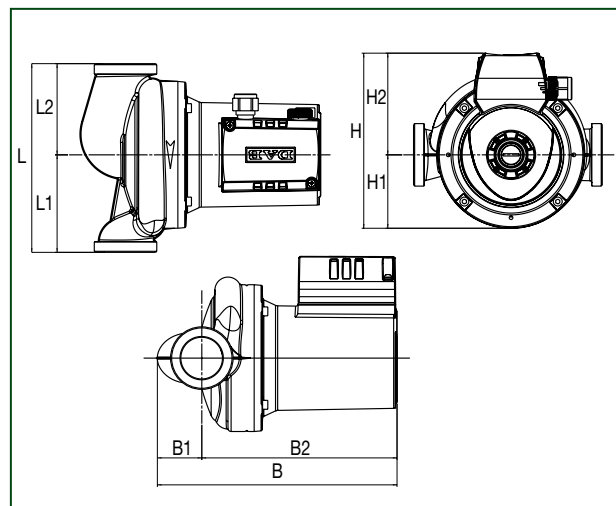
MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA							MINIMUM HEAD PRESSURE
				VOLTAGE 50 Hz	SPEED	n r.p.m. 1/min	P1 MAX W	In A	CAPACITOR		
									µF	Vc	
D 50/250.40 M	505822041	250	DN 40 - PN 10	1 x 230 V ~	3 2 1	2766 2616 2215	195 194 180	0,95 0,95 0,85	2,5	400	t° +90°C m.c.a. 1,5
D 50/250.40 T	505822671	250	DN 40 - PN 10	3x400 V ~	2 1	2827 2502	197 139	0,52 0,25	-	-	t° +90°C m.c.a. 1,5
D 56/250.40 M	505824041	250	DN 40 - PN 10	1 x 230 V ~	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
D 56/250.40 T	505824671	250	DN 40 - PN 10	3x400 V ~	2 1	2704 2178	297 200	0,60 0,33	-	-	t° +90°C m.c.a. 1,5
D 80/250.40 M	505826041	250	DN 40 - PN 10	1 x 230 V ~	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
D 80/250.40 T	505826671	250	DN 40 - PN 10	3x400 V ~	2 1	2724 2226	271 187	0,57 0,31	-	-	t° +90°C m.c.a. 2,5
D 110/250.40 M	505828001	250	DN 40 - PN 10	1 x 230 V ~	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
D 110/250.40 T	505828601	250	DN 40 - PN 10	3x400 V ~	2 1	2759 2341	403 289	0,90 0,48	-	-	t° +90°C m.c.a. 2,5

DIMENSIONS AND WEIGHT

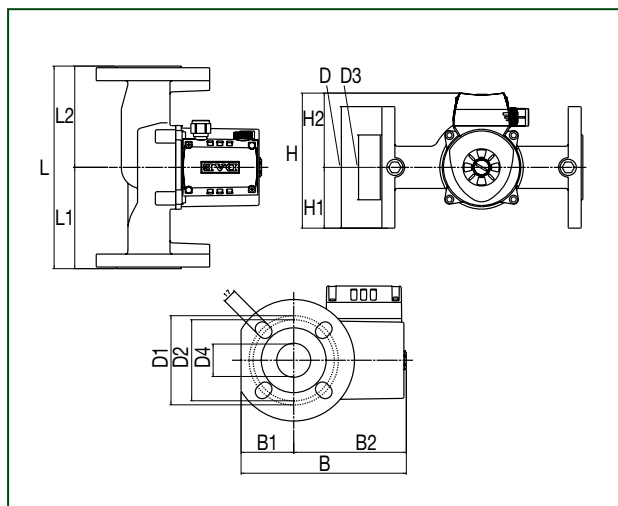
A 50-56-80/...M-T



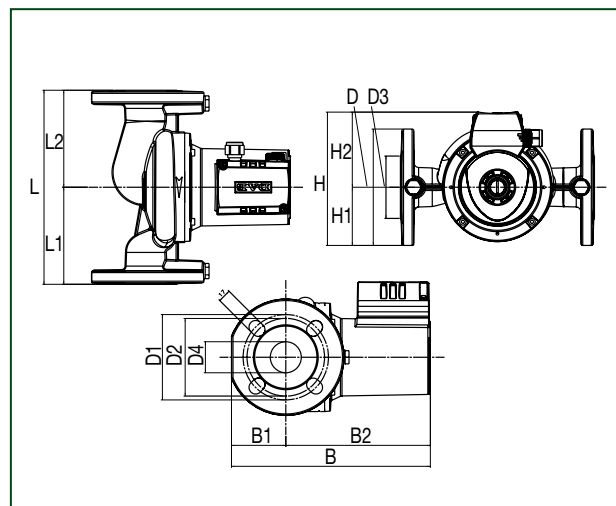
A 110/...M-T



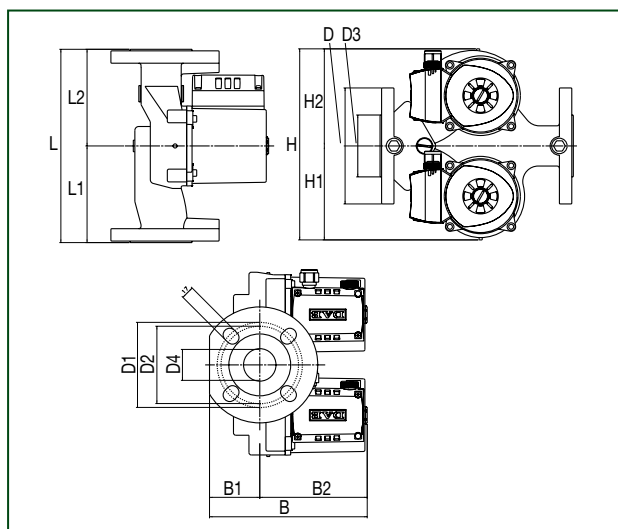
B 50-56-80/...M-T



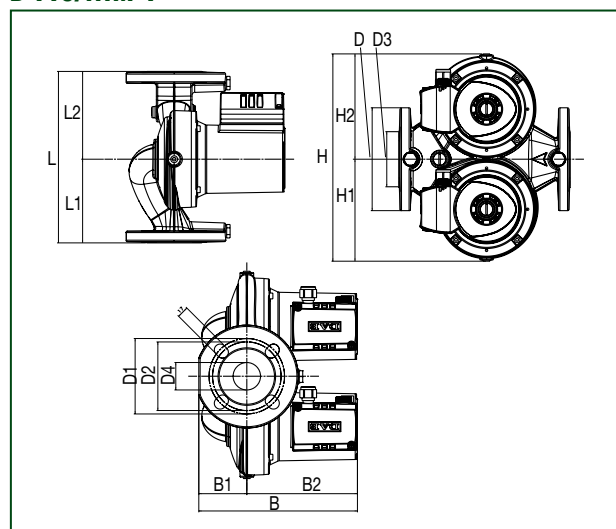
B 110/...M-T



D 50-56-80/...M-T



D 110/...M-T



A - B - D

WET ROTOR CIRCULATORS

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
A 50/180 XM	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,3	115
A 50/180 M	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,0	115
A 50/180 XT	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,2	115
A 50/180 T	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,3	115
A 56/180 XM	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,3	115
A 56/180 M	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,3	115
A 56/180 XT	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,3	115
A 56/180 T	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,2	115
A 80/180 XM	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,3	115
A 80/180 M	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,3	115
A 80/180 XT	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	2"G	5,3	115
A 80/180 T	180	90	90	—	173	34	139	—	—	—	—	—	143	52	92	1"1/2	5,2	115
A 110/180 M	180	93	87	—	229	42	186	—	—	—	—	—	167	70	97	1"1/2	5,3	54
A 110/180 XM	180	93	87	—	229	42	186	—	—	—	—	—	167	70	97	2"G	5,3	54
A 110/180 T	180	93	87	—	229	186	42	—	—	—	—	—	163	70	93	1"1/2	5,2	54
A 110/180 XT	180	93	87	—	229	186	42	—	—	—	—	—	163	70	93	2"G	5,2	54

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
B 50/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,1	42
B 50/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 56/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 56/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,2	42
B 80/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 80/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	167	75	92	DN40/PN10	9,3	42
B 110/250.40 M	250	125	125	—	256	70	186	150	110	100	80	40	172	75	97	DN40/PN10	9,2	42
B 110/250.40 T	250	125	125	—	256	70	186	150	110	100	80	40	168	75	93	DN40/PN10	9,3	42

MODEL	L	L1	L2	A	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT KG	Q.TY x PALLET
D 50/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,3	24
D 50/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 56/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 56/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,4	24
D 80/250.40 M	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 80/250.40 T	250	125	125	—	204	65	139	150	110	100	80	40	247	122	126	DN40/PN10	15,8	24
D 110/250.40 M	250	122	128	—	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	16	24
D 110/250.40 T	250	122	128	—	231	70	161	150	110	100	80	40	302	149	154	DN40/PN10	15,8	24