

WET ROTOR CIRCULATORS

FOR HEATING
AND AIR CONDITIONING

NEW



DAB

PUMP PERFORMANCE

CIRCULATORS FOR HEATING AND AIR CONDITIONING

SINGLE	TWIN	P1 Max	Q m³/h	0	0,6	1,2	1,8	2,4	3	4,2	6	7,2	8,4	10,8	12	13,2
				Single-Phase - Three-Phase	Single-Phase - Three-Phase	W	l/min	0	10	20	30	40	50	70	100	120
A 50/180 XM B 50/250.40 M	D 50/250.40 M	184		5,7	5,6	5,4	5,3	5,1	4,8	4,2	3,2	2,6	1,5			
A 50/180 M	-	195		5,8	5,8	5,7	5,6	5,4	5,2	4,7	3,6	2,8				
A 56/180 XM B 56/250.40 M	D 56/250.40 M	271		6,35	6,3	6,2	6,18	6	5,9	5,5	4,8	4,2	3,7	2,3	1,2	0,8
A 56/180 M	-	282		6,65	6,6	6,6	6,7	6,5	6,45	6,18	5,3	4,6	4			
A 80/180 XM B 80/250.40 M	D 80/250.40 M	256		8,25	8	7,6	7,4	7,2	6,9	6,3	4,8	3,8	2,6	0,4		
A 80/180 M	-	264		9	8,6	8,2	7,8	7,6	7,4	6,9	5,8	4,7	3,4			
A 110/180 XM B 110/250.40 M	D 110/250.40 M	410		11,3	11	10,8	10,5	10	9,8	9,2	8	7	5,7	3	1,6	
A 50/180 XT B 50/250.40 T	D 50/250.40 T	201		5,9	5,85	5,8	5,6	5,5	5,2	4,6	3,6	2,9	1,9			
A 50/180 T	-	197		5,6	5,6	5,6	5,5	5,43	5,4	4,9	3,6	2,8				
A 56/180 XT B 56/250.40 T	D 56/250.40 T	291		6,4	6,3	6,2	6,1	6	5,9	5,7	5	4,4	3,9	2,6	1,9	1,2
A 56/180 T	-	297		6,42	6,42	6,41	6,4	6,4	6,4	6,1	5,4	4,8	4,2			
A 80/180 XT B 80/250.40 T	D 80/250.40 T	272		8,2	7,9	7,6	7,3	7	6,8	6,1	4,7	3,7	2,7	0,5		
A 80/180 T	-	271		8,2	7,9	7,6	7,3	7	6,8	6,1	4,7	3,7	2,7	0,5		
A 110/180 XT B 110/250.40 T	D 110/250.40 T	403		11,3	11	10,8	10,5	10	9,8	9,2	8	7	5,7	3	1,6	

Cast iron body and die-cast aluminium motor casing.
 Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite bearings lubricated by the pumped liquid. Body pump with threaded mouths. Stainless steel protective rotor sleeve, stator sleeve and closing flange. The two pole asynchronous, wet rotor motor is designed to work at three speeds.
 Thermal overload protection incorporated in the single-phase version.

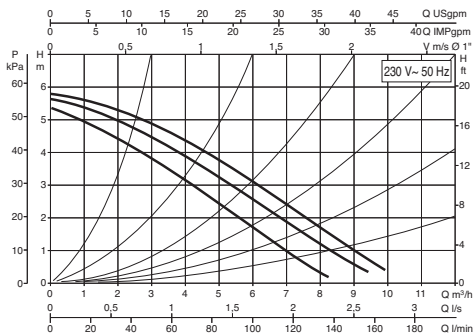
- Operating range: from 1 to 12 m³/h with head up to 11 metres.
 - Liquid temperature range: from -10°C to +110°C.
 - Characteristics of pumped liquid: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).
 - Maximum operating pressure: 10 bar (1000 kPa).
 - Protection level: IP 44
 - Insulating class: F
 - Cable grommet: PG 11
 - Installation: with motor axis horizontal
- This product complies with EN 60335-2-51 European standard.

SINGLE WITH THREADED MOUTHS

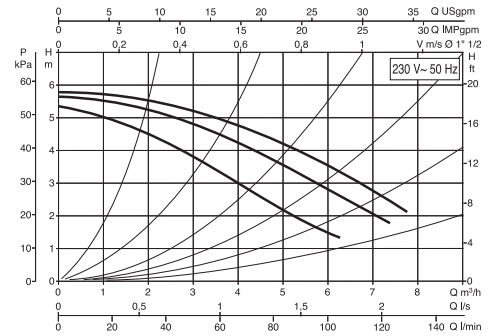


MODEL	VOLTAGE 50Hz	CENTRE DISTANCE (mm)	UNIONS ON REQUEST	SPEED	ELECTRICAL DATA				CAPACITOR		Minimum HEAD PRESSURE
					N R.P.M./MIN.	P1 MAX W	I _n A				
							μF	V _C			
A 50/180 XM	1x230 V ~	180	2"G	3	2791	184	0.92		4	400	t° +90°C m.c.a. 1,5
				2	2651	189	0.92				
				1	2297	168	0.80				
A 50/180 M	1x230 V ~	180	1 1/2"G	3	2766	195	0.95		4	400	t° +90°C m.c.a. 1,5
				2	2616	194	0.95				
				1	2215	180	0.85				
A 50/180 XT	3x400 V ~	180	2"G	2	2838	201	0.50		-	-	t° +90°C m.c.a. 1,5
A 50/180 T	3x400 V ~	180	1 1/2"G	1	2520	129	0.23		-	-	t° +90°C m.c.a. 1,5
A 56/180 XM	1x230 V ~	180	2"G	3	2658	271	1.18		7	400	t° +90°C m.c.a. 1,5
				2	2117	294	1.32				
				1	1394	224	1.00				
A 56/180 M	1x230 V ~	180	1 1/2"G	3	2636	282	1.23		7	400	t° +90°C m.c.a. 1,5
				2	2226	287	1.30				
				1	1485	228	1.06				
A 56/180 XT	3x400 V ~	180	2"G	2	2708	291	0.60		-	-	t° +90°C m.c.a. 1,5
A 56/180 T	3x400 V ~	180	1 1/2"G	1	2178	200	0.32		-	-	t° +90°C m.c.a. 1,5
A 80/180 XM	1x230 V ~	180	2"G	3	2683	256	1.12		7	400	t° +90°C m.c.a. 2,5
				2	2374	260	1.17				
				1	1688	218	1.00				
A 80/180 M	1x230 V ~	180	1 1/2"G	3	2674	264	1.15		7	400	t° +90°C m.c.a. 2,5
				2	2356	262	1.20				
				1	1615	223	1.00				
A 80/180 XT	3x400 V ~	180	2"G	2	2727	272	0.57		-	-	t° +90°C m.c.a. 2,5
A 80/180 T	3x400 V ~	180	1 1/2"G	1	2227	186	0.30		-	-	t° +90°C m.c.a. 2,5
A 110/180 XM	1x230 V ~	180	2"G	3	2746	410	1.77		12	450	t° +90°C m.c.a. 2,5
				2	2552	393	1.78				
				1	2052	361	1.64				
A 110/180 XT	3x400 V ~	180	2"G	2	2759	403	0.90		-	-	t° +90°C m.c.a. 2,5
				1	2341	289	0.48				

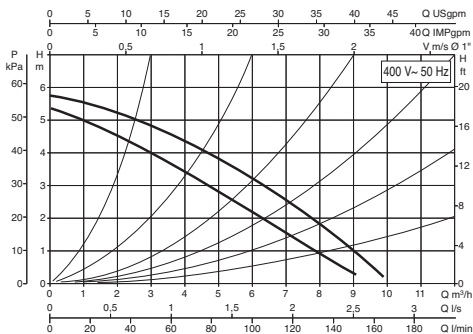
A 50/180 XM



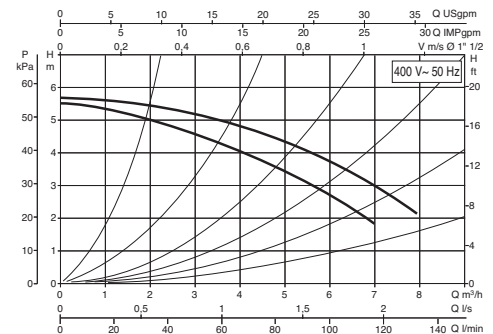
A 50/180 M



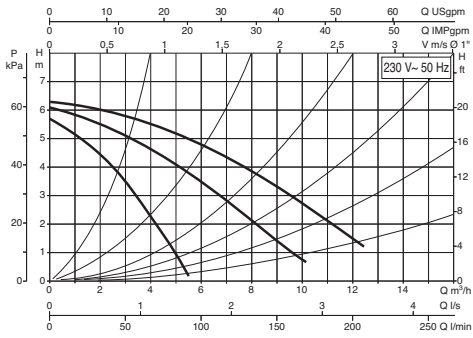
A 50/180 XT



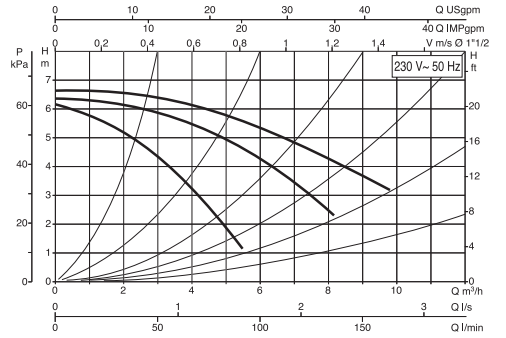
A 50/180 T



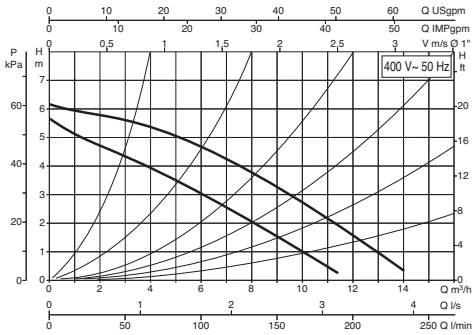
A 56/180 XM



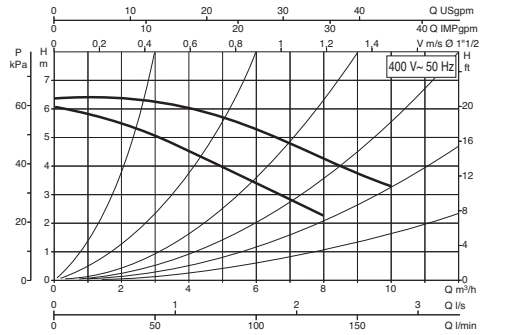
A 56/180 M



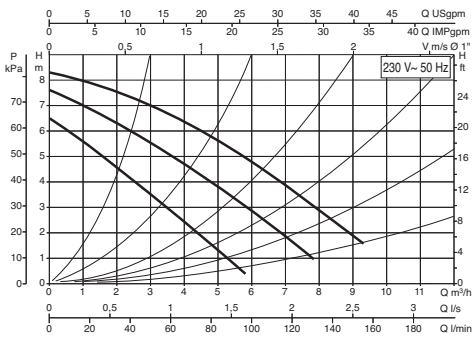
A 56/180 XT



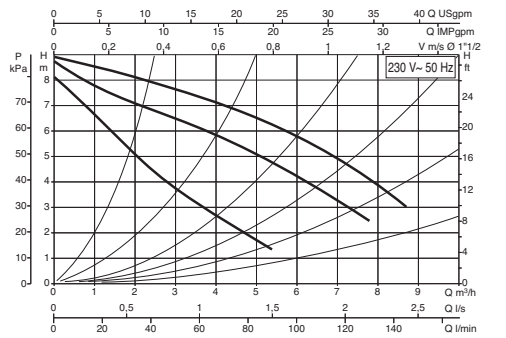
A 56/180 T



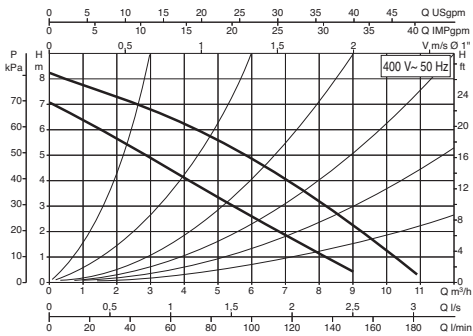
A 80/180 XM



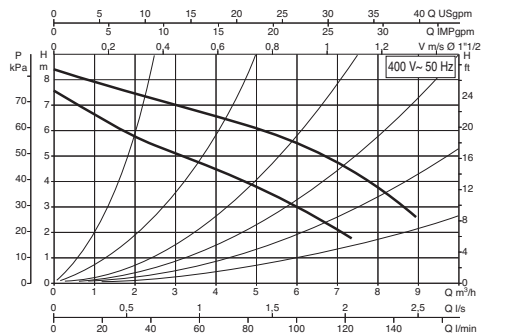
A 80/180 M



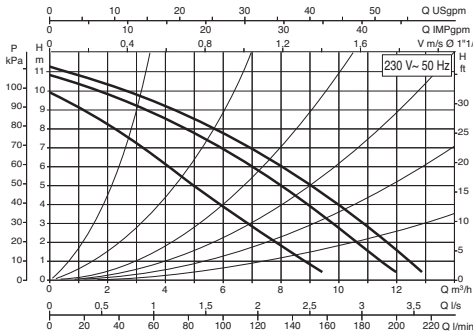
A 80/180 XT



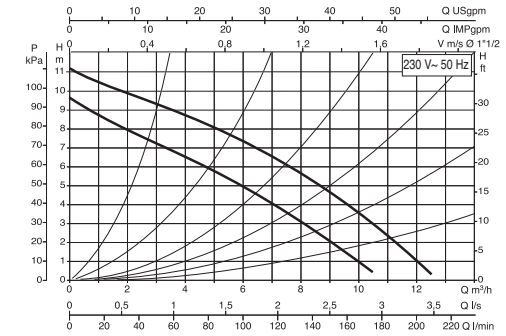
A 80/180 T



A 110/180 XM

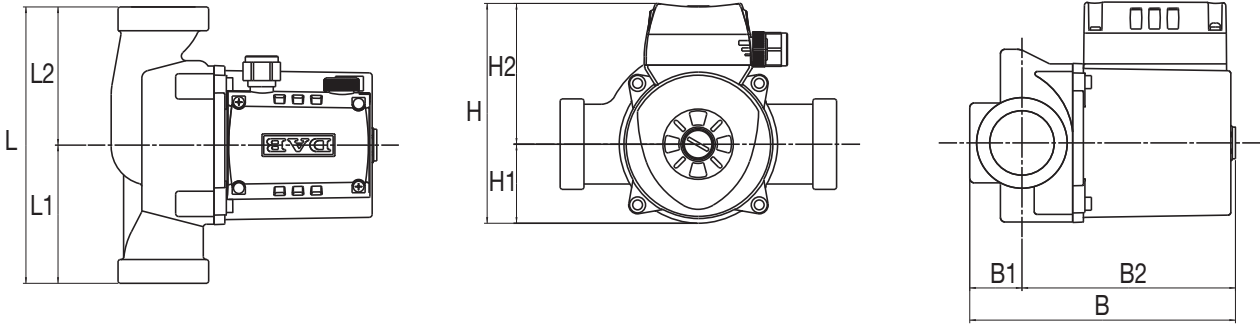


A 110/180 XT

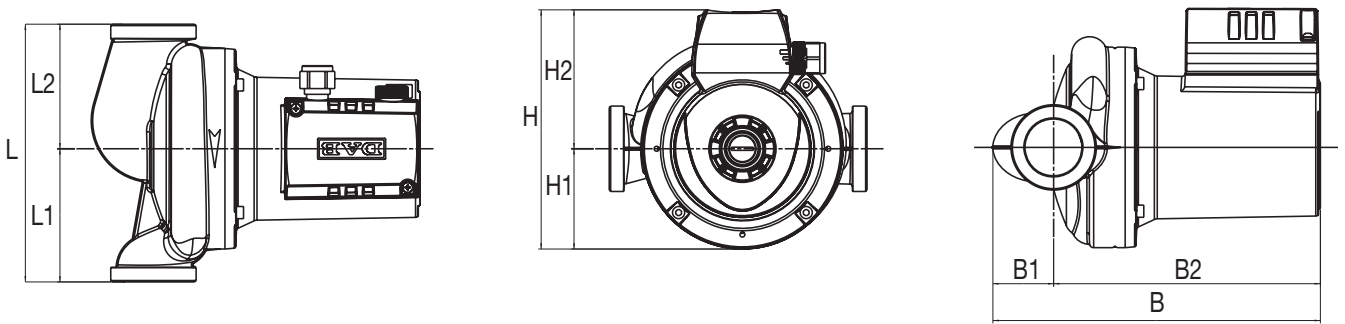


A

A 50-56-80/180 M-T



A 110/180 M-T



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	WEIGHT
A 50/180 XM	180	90	90	173	34	139	143	52	92	2"G	4,8
A 50/180 M	180	90	90	173	34	139	143	52	92	1"1/2	4,8
A 50/180 XT	180	90	90	173	34	139	143	52	92	2"G	5
A 50/180 T	180	90	90	173	34	139	143	52	92	1"1/2	5
A 56/180 XM	180	90	90	173	34	139	143	52	92	2"G	4,8
A 56/180 M	180	90	90	173	34	139	143	52	92	1"1/2	4,8
A 56/180 XT	180	90	90	173	34	139	143	52	92	2"G	5
A 56/180 T	180	90	90	173	34	139	143	52	92	1"1/2	5
A 80/180 XM	180	90	90	173	34	139	143	52	92	2"G	4,8
A 80/180 M	180	90	90	173	34	139	143	52	92	1"1/2	4,8
A 80/180 XT	180	90	90	173	34	139	143	52	92	2"G	5
A 80/180 T	180	90	90	173	34	139	143	52	92	1"1/2	5
A 110/180 XM	180	93	87	229	42	186	167	70	97	2"G	7,5
A 110/180 XT	180	93	87	229	186	42	163	70	93	2"G	7,7

B

Cast iron body and die-cast aluminium motor casing. Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite bearings lubricated by the pumped liquid. Flanged mouth, equipped with threaded unions for control gauges. Stainless steel protective rotor sleeve, stator sleeve and closing flange. The two pole asynchronous, wet rotor motor is designed to work at three speeds. Thermal overload protection incorporated in the single-phase version.

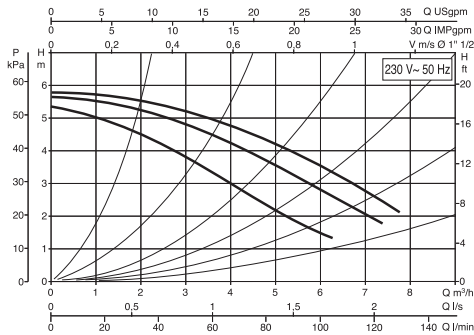
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 - Characteristics of pumped liquid: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).
 - Maximum operating pressure: 10 bar (1000 kPa).
 - Protection level: IP 44
 - Insulating class: F
 - Cable grommet: PG 11
 - Installation: with motor axis horizontal
- This product complies with EN 60335-2-51 European standard.

SINGLE FLANGED

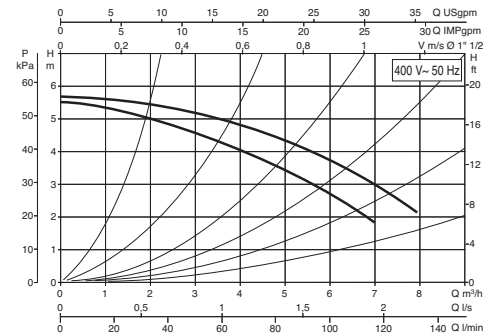


MODEL	VOLTAGE 50Hz	CENTRE DISTANCE (mm)	UNIONS ON REQUEST	SPEED	ELECTRICAL DATA					Minimum HEAD PRESSURE
					N R.P.M./MIN.	P1 MAX W	I _n A	CAPACITOR		
								μF	Vc	
B 50/250.40 M	1x230 V~	250	DN 40	3	2766	195	0,95	2,5	400	t° +90°C
				2	2616	194	0,95			
				1	2215	180	0,85			
B 50/250.40 T	3x400 V~	250	DN 40	2	2827	197	0,52	-	-	t° +90°C
				1	2502	139	0,25			
B 56/250.40 M	1x230 V~	250	DN 40	3	2636	282	1,23	7	400	t° +90°C
				2	2226	287	1,30			
				1	1485	228	1,06			
B 56/250.40 T	3x400 V~	250	DN 40	2	2704	297	0,60	-	-	t° +90°C
				1	2178	200	0,33			
B 80/250.40 M	1x230 V~	250	DN 40	3	2674	264	1,15	7	400	t° +90°C
				2	2356	262	1,20			
				1	1615	223	1,00			
B 80/250.40 T	3x400 V~	250	DN 40	2	2724	271	0,57	-	-	t° +90°C
				1	2226	187	0,31			
B 110/250.40 M	1x230 V~	250	DN 40	3	2746	410	1,77	12	450	t° +90°C
				2	2552	393	1,78			
				1	2052	361	1,64			
B 110/250.40 T	3x400 V~	250	DN 40	2	2759	403	0,90	-	-	t° +90°C
				1	2341	289	0,48			

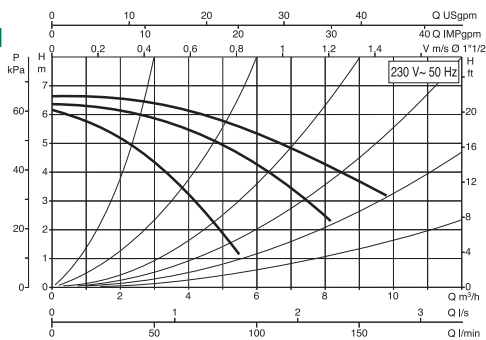
B 50/250.40 M



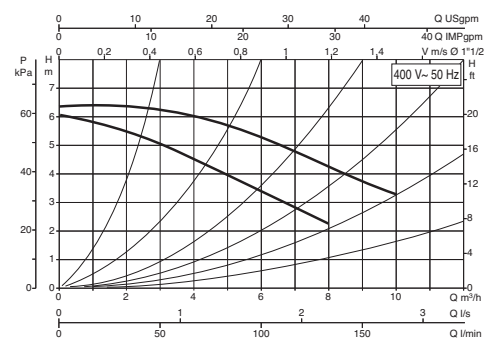
B 50/250.40 T



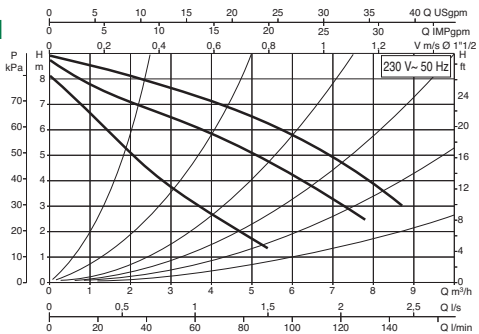
B 56/250.40 M



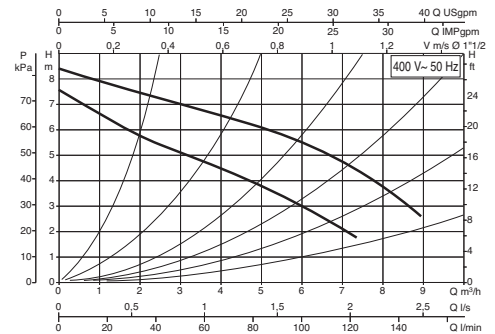
B 56/250.40 T



B 80/250.40 M

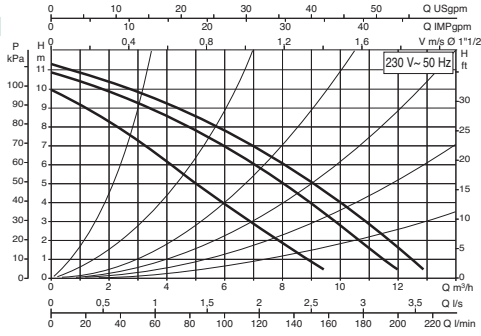


B 80/250.40 T

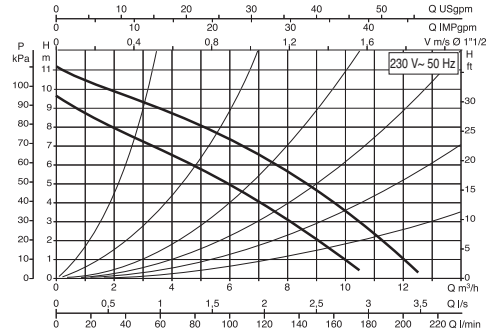


B

B110/250.40 M

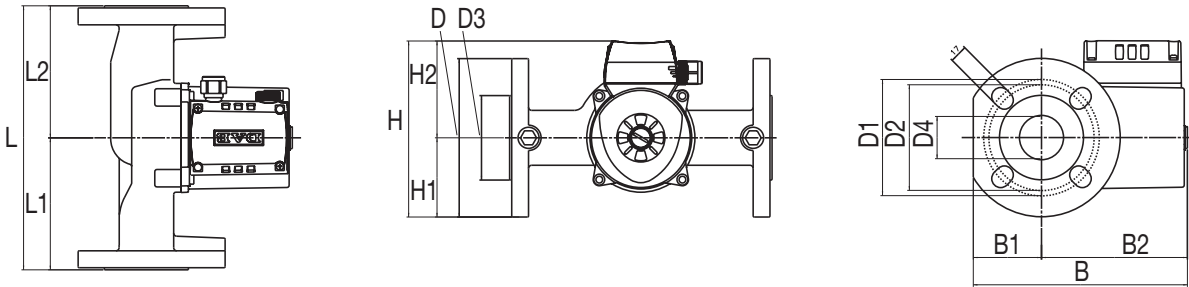


B110/250.40 T

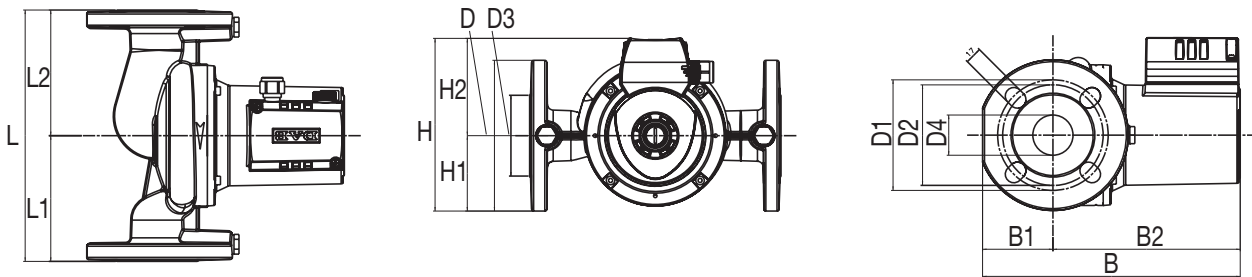


DIMENSIONS AND WEIGHTS

B 50-56-80/250.40 M-T



B 110/250.40 M-T



MODEL	L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT
B 50/250.40 M	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,6
B 50/250.40 T	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,8
B 56/250.40 M	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,6
B 56/250.40 T	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,8
B 80/250.40 M	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,6
B 80/250.40 T	250	125	125	204	65	139	150	110	100	80	40	167	75	92	DN40/ PN10	8,8
B 110/250.40 M	250	125	125	256	70	186	150	110	100	80	40	172	75	97	DN40/ PN10	9,4
B 110/250.40 T	250	125	125	256	70	186	150	110	100	80	40	168	75	93	DN40/ PN10	9,6

D

Cast iron body and die-cast aluminium motor casing. Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite bearings lubricated by the pumped liquid. Flanged mouth, equipped with threaded unions for control gauges. Stainless steel protective rotor sleeve, stator sleeve and closing flange. The two pole asynchronous, wet rotor motor is designed to work at three speeds. Thermal overload protection incorporated in the single-phase version. An automatic clapet type valve with blank flange is incorporated.

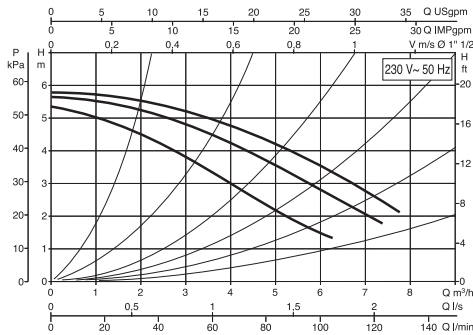
- Operating range: from 1 to 12 m³/h with head up to 11 metres.
 - Liquid temperature range: from -10°C to +110°C.
 - Characteristics of pumped liquid: clean, free from solids and mineral oils, non viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).
 - Maximum operating pressure: 10 bar (1000 kPa).
 - Protection level: IP 44
 - Insulating class: F
 - Cable grommet: PG 11
 - Installation: with motor axis horizontal
- This product complies with EN 60335-2-51 European standard.

TWIN FLANGED

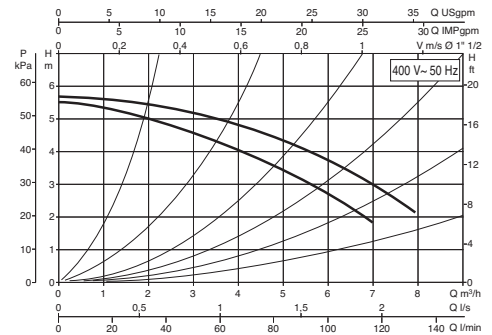


MODEL	VOLTAGE 50Hz	CENTRE DISTANCE (mm)	UNIONS ON REQUEST	SPEED	ELECTRICAL DATA					Minimum HEAD PRESSURE
					N R.P.M./MIN.	P1 MAX W	In A	CAPACITOR		
								μF	Vc	
D 50/250.40 M*	1x230 V~	250	DN 40 - PN 10	3	2766	195	0,95	2,5	400	t° +90°C m.c.a. 1,5
				2	2616	194	0,95			
				1	2215	180	0,85			
D 50/250.40 T*	3x400 V~	250	DN 40 - PN 10	2	2827	197	0,52	-	-	t° +90°C m.c.a. 1,5
				1	2502	139	0,25			
D 56/250.40 M*	1x230 V~	250	DN 40 - PN 10	3	2636	282	1,23	7	400	t° +90°C m.c.a. 1,5
				2	2226	287	1,30			
				1	1485	228	1,06			
D 56/250.40 T*	3x400 V~	250	DN 40 - PN 10	2	2704	297	0,60	-	-	t° +90°C m.c.a. 1,5
				1	2178	200	0,33			
D 80/250.40 M*	1x230 V~	250	DN 40 - PN 10	3	2674	264	1,15	7	400	t° +90°C m.c.a. 2,5
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				1	2341	289	0,48			

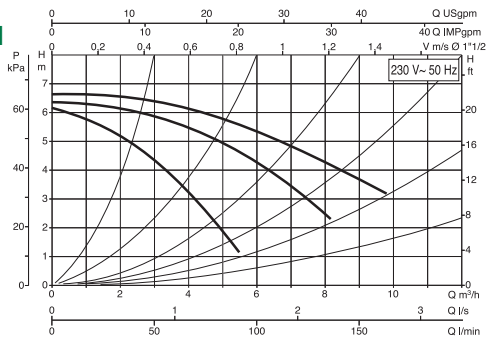
D 50/250.40 M



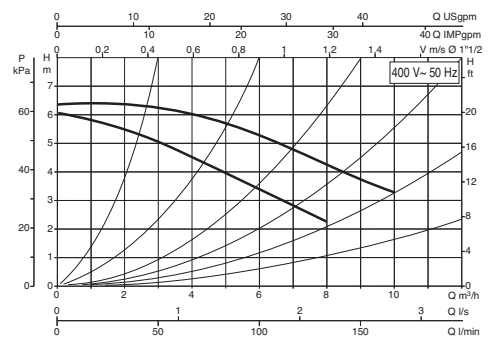
D 50/250.40 T



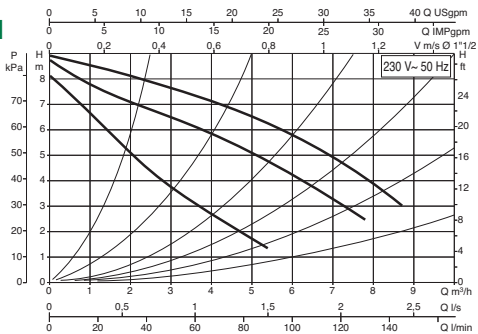
D 56/250.40 M



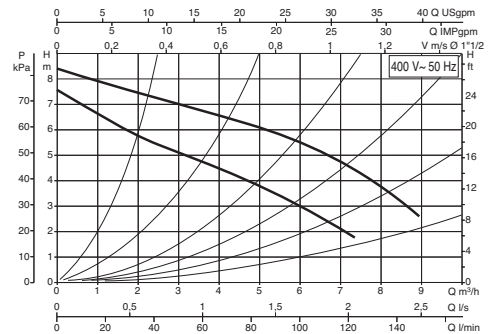
D 56/250.40 T



D 80/250.40 M

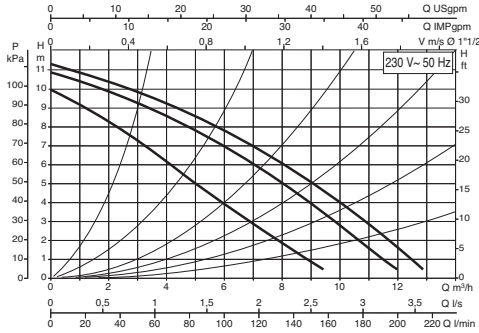


D 80/250.40 T

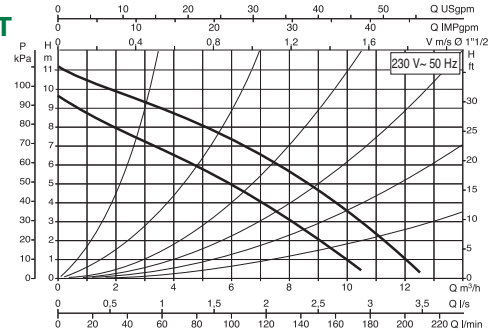


D

D110/250.40 M



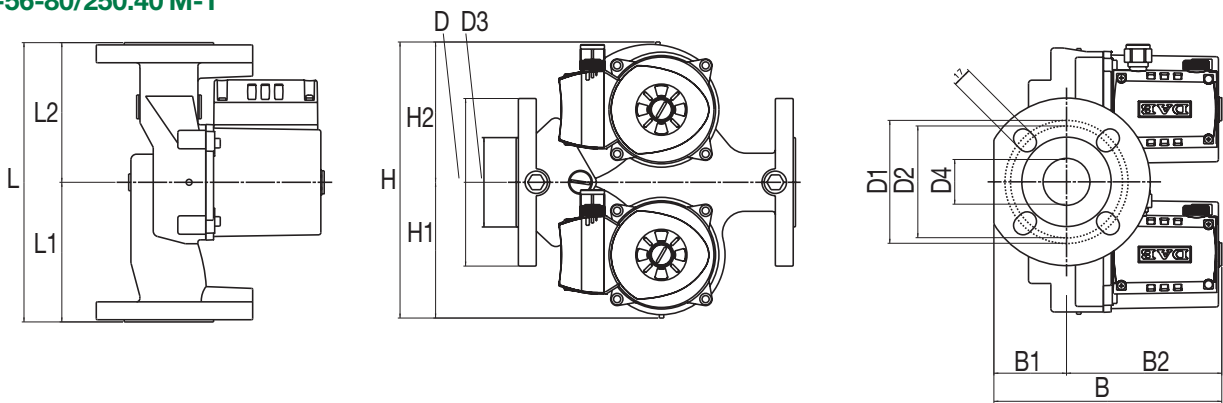
D110/250.40 T



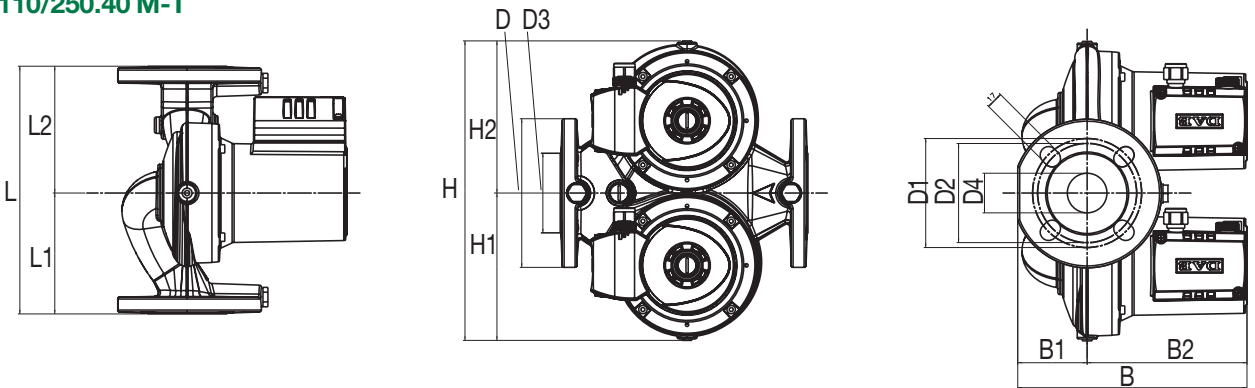
* The electrical data for the twin versions are related to only one motor in operation.

DIMENSIONS AND WEIGHTS

D 50-56-80/250.40 M-T



D 110/250.40 M-T



MODEL	L	L1	L2	B	B1	B2	D	D1	D2	D3	D4	H	H1	H2	F	WEIGHT
D 50/250.40 M	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,2
D 50/250.40 T	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,8
D 56/250.40 M	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,2
D 56/250.40 T	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,8
D 80/250.40 M	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,2
D 80/250.40 T	250	125	125	204	65	139	150	110	100	80	40	247	122	126	DN40/ PN10	14,8
D 110/250.40 M	250	122	128	231	70	161	150	110	100	80	40	302	149	154	DN40/ PN10	17,8
D 110/250.40 T	250	122	128	231	70	161	150	110	100	80	40	302	149	154	DN40/ PN10	18,0



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