PM

PM

PM A

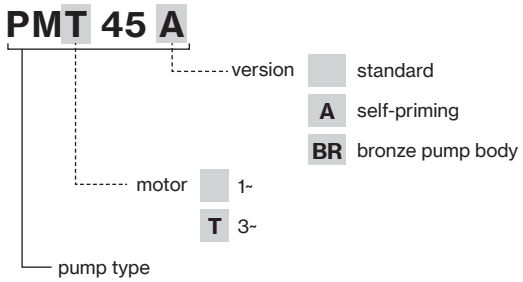
Peripheral positive displacement pumps with front suction (PM) and side suction with self-priming system (PM A) for small household systems and simple industrial applications; characterised by a considerable ratio between performance and required output.

Construction features

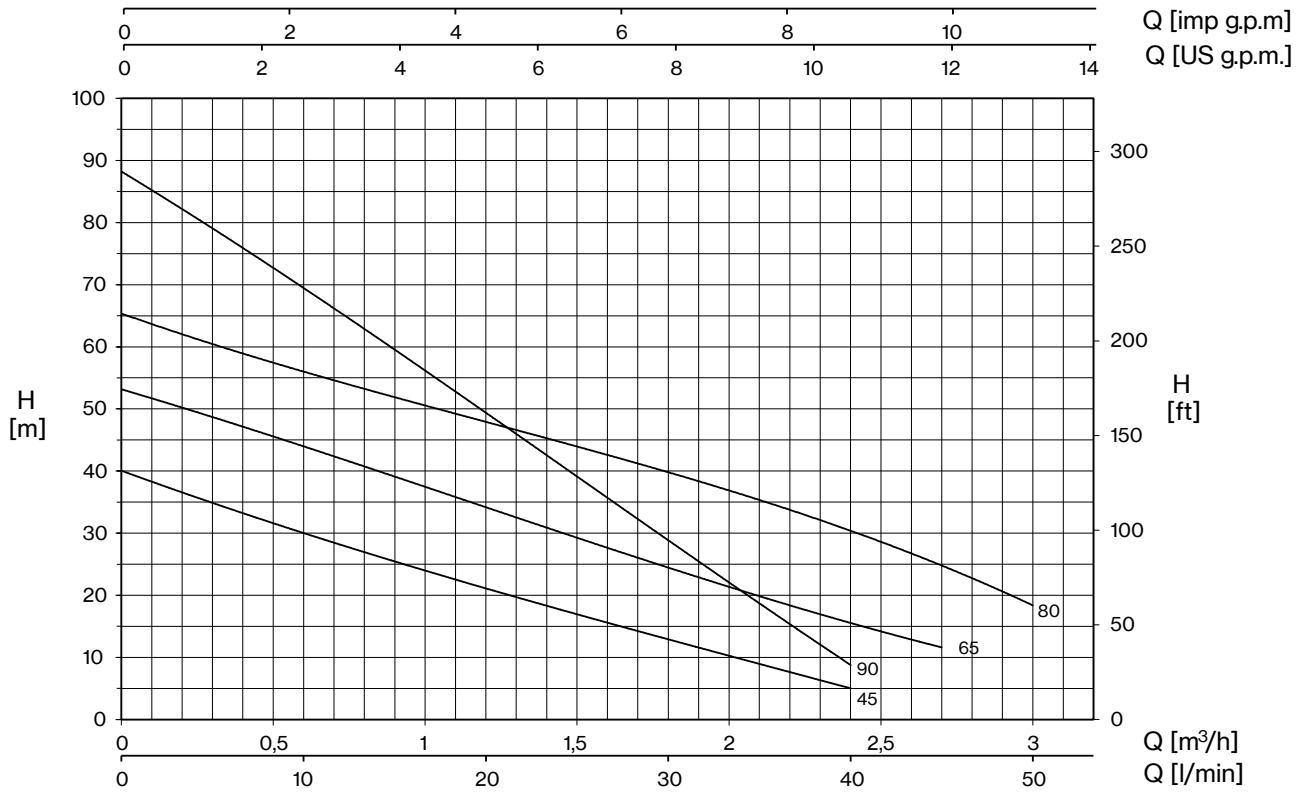
Pump body	cast iron, bronze (45BR)
Motor bracket	cast iron, cast iron or bronze (45BR)
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar (45) max 8 bar (65, 80) max 9 bar (90)

Motor

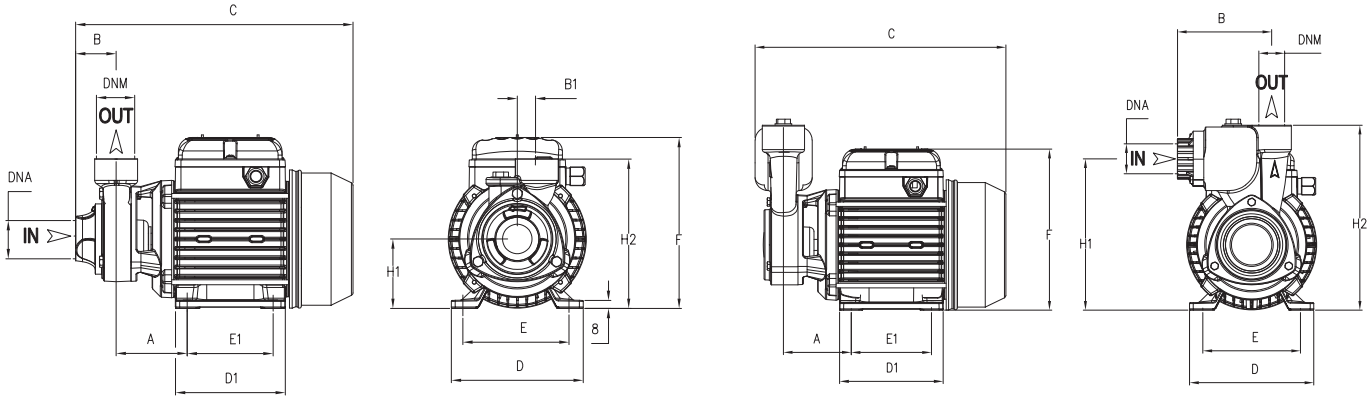
2 Poles induction motor	3~ 230/400V - 50Hz 1~ 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



LOTS				
TYPE	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
PM 45(BR)	85×110×170	198	85×110×190	220
	80×120×170	207	80×120×190	230
PM 45A PM 65A PM 80-90	80×110×170	105	85×110×190	135
			85×120×170	136
PM 65	80×120×160	171	80×120×190	190
	85×100×160	180	85×100×190	200
PM 80A	80×120×145	102	80×120×190	136



TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					1~	3~	0	0,3	0,6	1,2	1,8	2,4	2,7	3
								0	5	10	20	30	40	45	50
		HP	kW	1~	3~	1~ 230V 50 Hz	3~ 400V 50 Hz	H (m)							
PM 45	**PMT 45**	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 45BR	**PMT 45BR**	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 45A	**PMT 45A**	0,5	0,37	0,5	0,5	2,3	1,0	40,0	35,0	30,0	21,0	13,0	5,0		
PM 65	**PMT 65**	0,7	0,5	0,9	0,9	4,0	1,7	53,1	48,8	44,1	33,8	24,7	15,5	11,6	
PM 65A	**PMT 65A**	0,7	0,5	0,9	0,9	4,0	1,7	53,1	48,8	44,1	33,8	24,7	15,5	11,6	
PM 80	**PMT 80**	1	0,74	1,1	1,1	5,2	2,0	65,0	61,0	56,0	48,0	39,0	31,0	25,1	18,0
PM 80A	**PMT 80A**	1	0,74	1,1	1,1	5,2	2,0	65,0	61,0	56,0	48,0	39,0	31,0	25,1	18,0
PM 90	**PMT 90**	1	0,74	1,2	1,1	5,6	2,0	88,2	79,2	69,3	49,5	28,8	8,8		



TYPE	DIMENSIONS (mm)																Kg
	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L	M	
PM 45	63	50	20	260	120	101	100	80	158	63	143	1" G	1" G	265	150	175	6,5
PM 45BR	63	50	20	260	120	101	100	80	158	63	143			265	150	175	7
PM 45A	63	89	20	240	120	101	100	80	158	150	184			300	170	195	7,5
PM 65	70	56	20	271	120	101	100	80	158	63	152,2			285	150	180	8,5
PM 65A	71,5	101	10	248	120	101	100	80	158	157	193			300	170	195	9
PM 80	71,5	50	20	294	135	112	112	89	172	71	160			300	170	195	10,5
PM 80A	71,5	101	10	271	135	112	112	89	172	165	201			290	170	230	11
PM 90	74,5	50	19	286	135	112	112	89	172	71	158			310	185	195	11

Pentax
WATER PUMPS

PM50

www.pentax-pumps.it

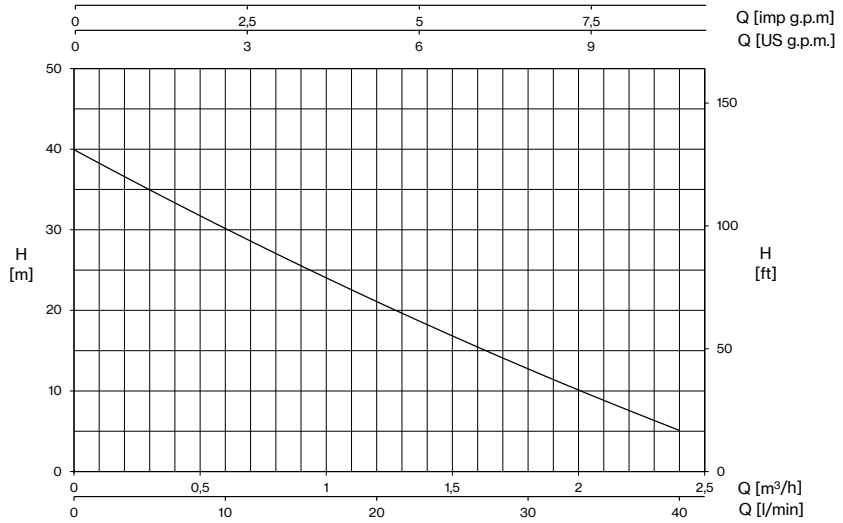
WHAT IS IT

Compared to the previous PM45 model, the new PM50 peripheral pump is now equipped with a new anti-blocking system and a cataphoresis painting process; characterised by a considerable ratio between performance and required output.

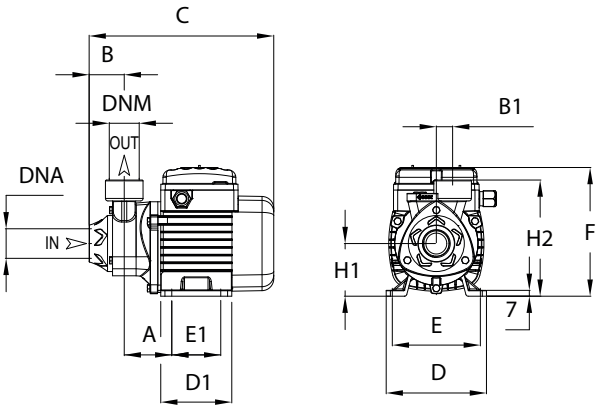
FEATURES

Construction features	
Painting	cataphoresis
Pump body	cast iron
Motor bracket	aluminum with AISI304 insert
Impeller	brass
Mechanical seal	ceramic-graphite-NBR
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar

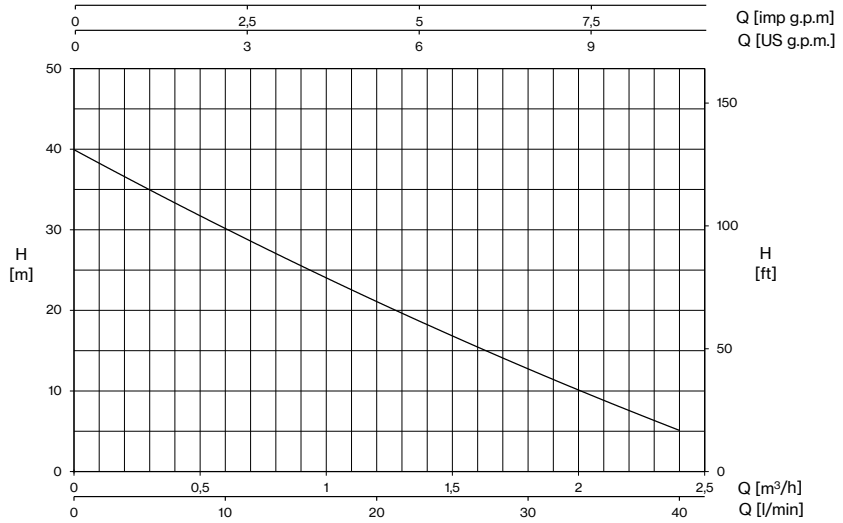
Motor	
2 Poles induction motor	1~ 230V - 50Hz 1~ 220V - 60Hz (with thermal protection)
Insulation class	F
Protection degree	IPX4



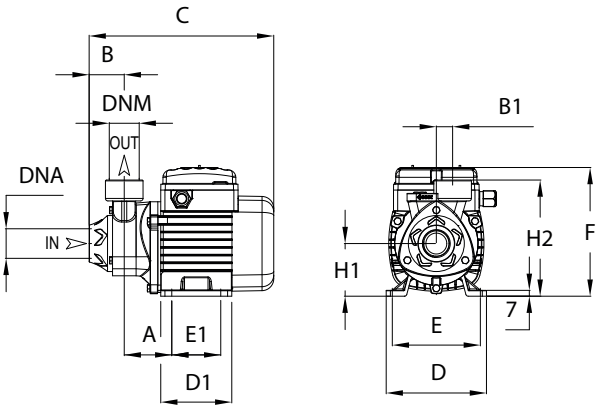
TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)					
1~				1~	0	0,3	0,6	1,2	1,8	2,4
					0	5	10	20	30	40
	HP	kW	1~	1~ 230V 50 Hz	H (m)					
PM 50	0,5	0,37	0,5	2,3	40,0	35,0	30,0	21,0	13,0	5,0



TYPE	DIMENSIONS (mm)																Kg
	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	I	L	M	
PM 50	52	42	20	221	120	85	98	67	154	63	139	1" G	1" G	245	150	175	5,5



TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)					
1~				1~	0	0,3	0,6	1,2	1,8	2,4
					0	5	10	20	30	40
	HP	kW	1~	1~ 220V 60 Hz	H (m)					
PM 50	0,5	0,37	0,5	2,3	40,0	35,0	30,0	21,0	13,0	5,0



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