

SURFACE PRESSURE CMH

surface pump multistage



clean water



domestic use

Max Head 21 - 88m

Max Flow 3.9 - 22m³/h

Motor Power 0.37 - 3Kw

Discharge size G1- 1½ F

DN 1" - **CMH 10, CMH 20**

DN 1" ¼ - CMH 30, CMH 40



KEY ADVANTAGES OF A CMH PUMP

APPLICATION

CMH pumps are suitable for use with clean water. These pumps are widely used in domestic applications such as the distribution of water in combination with small and medium sized pressure tanks, and for the irrigation of gardens and orchards, etc.

INSTALLATION

The pump should be installed in an enclosed environment or sheltered from inclement weather.

MATERIALS

Pump body and pusher in cast iron. Exterior shell and impeller in stainless steel (AISI304). Shaft in stainless steel (AISI 416). Diffusor in noryl with fiber-glass.

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.

MOTOR

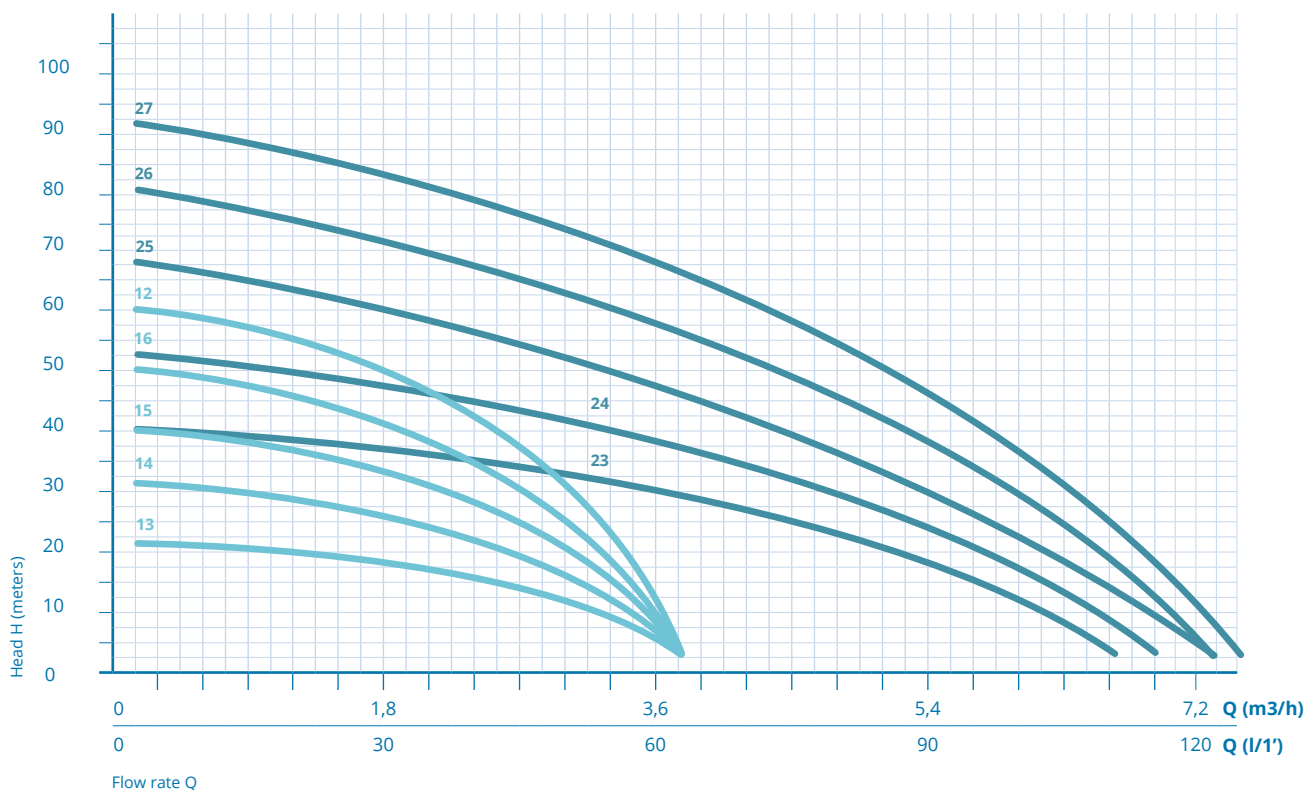
Externally ventilated. Mechanical seal (carbon-graphite). Protection IP44. Class F insulation.

FEATURES

Max. starts/hour: 30

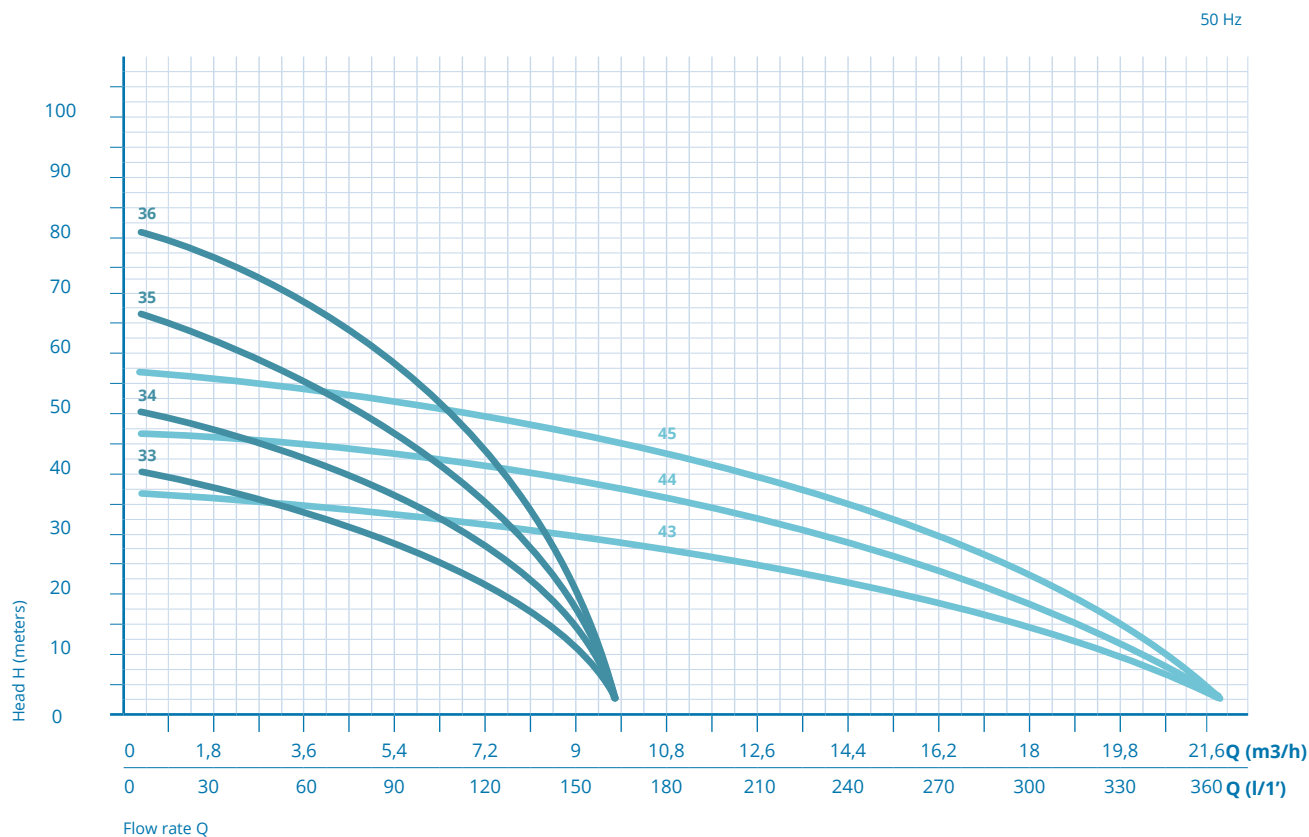
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50Hz



TYPE	POWER	MOTOR		PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8
		1~	3~			l/min	0	10	20	30	40	50	75	95	150	175	200	250	300
	kW	A	µF	A	DN														
CMH 12.37	0,37	2,2	10	1,1	1"		21	20	18	15	12	7							
CMH 13.37		2,6	12	1,2			32	30	27	23	18	11							
CMH 14.60	0,6	3,45	14	1,4			40	37	33	28	22	14							
CMH 15.60		3,9	18	1,6			50	46	41	34	26	17							
CMH 16.90	0,9	4,9	20	1,9			60	55	49	41	31	20							
H - meters																			
CMH 23.75	0,75	4,2	16	1,8	1"		38	37	36	35	33	29	19	10					
CMH 24.80	0,8	5,4	16	2,3			52	51	48	46	43	39	27	15					
CMH 25.120	1,2	7,2	20	2,8			67	65,5	63	59	56	51	39	24					
CMH 26.120		7,8	25	3,5			78	76,5	74	71	67	62	46	29					
CMH 27.150	1,5	8,6	25	3,8			91	89	86	84	80	75	59	39					

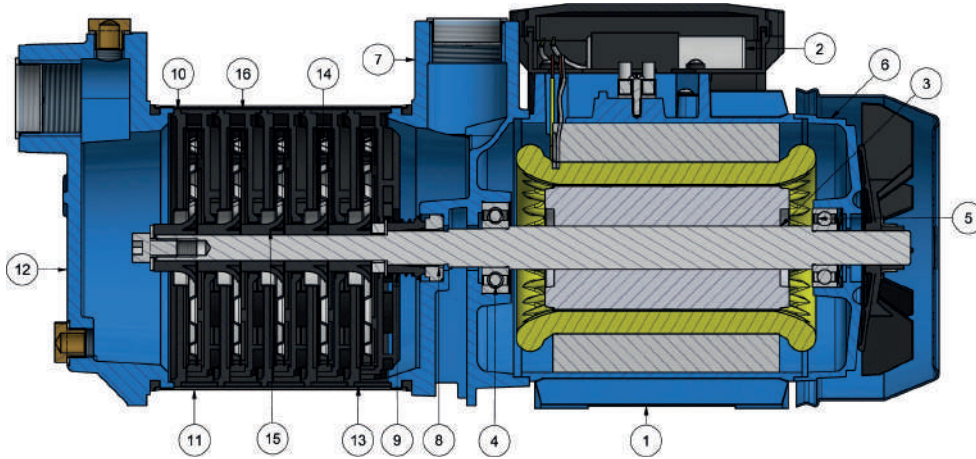
CHARACTERISTIC CURVES AND PERFORMANCE DATA



TYPE	POWER	MOTOR		PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	4,5	5,7	9	10,5	12	15	18	19,8	
		1~	3~			l/min	0	10	20	30	40	50	75	95	150	175	200	250	300	330
	kW	A	µF	A	DN															
CMH 33.90	0,9	7	25	3,3	1"¼		40	39,5	39	38	37	36	32	28	13,5	4,5				
CMH 34.110	1,1	9	35	3,5			50	49,5	49	48,5	48	47	43	39	20	7,5				
CMH 35.150	1,5	11,8	40	4,2			66	65,5	65	64	63	62	57	52	28	11				
CMH 36.120	2,2	12,4	50	5			81	80,5	79,5	78	76	75	69	63	36	14,5				
H - meters																				
CMH 43.220	2,2	11	40	3,6	1"½		36	35,5	35	34,5	34	33	32	30	26	24	22	16	10	6
CMH 44.220		12	40	4,2			46	45,5	45	44,5	44	43	42	40	35	33	30	24	15	9
CMH 45.300.3	3	-	-	6			57	56,5	56	55,5	55	54	53	50	44	41	38	30	22	13

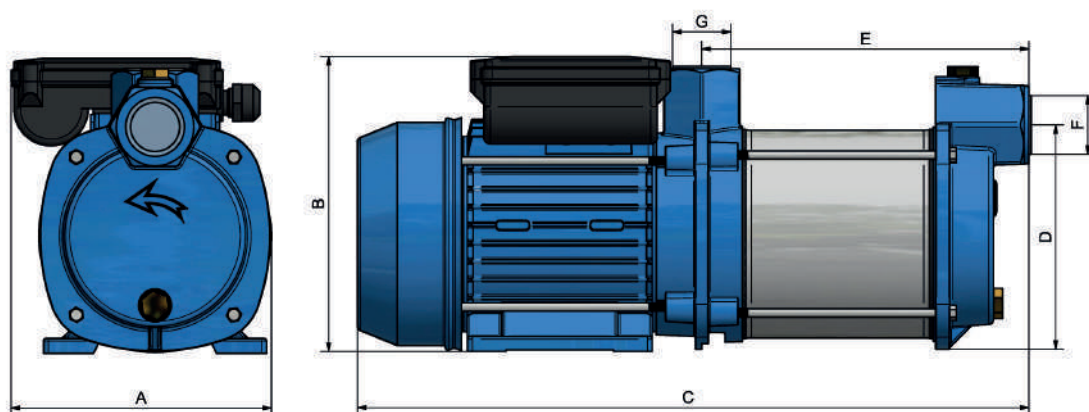
SURFACE PRESSURE
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COMPONENTS AND MATERIALS



POS	COMPONENT	MATERIALS
1	Stator on Casing	-
2	Capacitor	-
3	Rotor / Shaft	Steel and Aluminium / Stainless Steel
4	Bearing	Steel
5	Bearing	Steel
6	Cover	Aluminium
7	Body Impulse	Iron Cast
8	Mechanical Seal Fixe	Noryl
9	Mechanical Seal Mobile	Nitrile Rubber / Ceramics
10	Diffuser Cover	Graphite Steel
11	Motor Casing	Noryl
12	Aspiration Body	Stainless Steel
13	Initial Diffuser	Iron Cast
14	Impeller	Noryl
15	Bushing Noryl for Impeller	Stainless Steel
16	Diffuser Lid Welded	Stainless Steel

DIMENSIONS AND WEIGHT



TYPE	DIMENSIONS (mm)							WEIGHT	PALETTE
	A	B	C	D	E	F	G	Kg	Un
CMH 12.37	155	165	320	108	128,5	1"	1"	8,2	100
CMH 13.37			338		154			8,3	
CMH 14.60			355		179			8,5	
CMH 15.60			373		204			9,0	
CMH 16.90			400		229			9,2	
CMH 23.75	170	193	400	37	176	1"	1"	13,0	75
CMH 24.80			424		205			13,5	
CMH 25.120			448		234			14,0	
CMH 26.120			472		263			14,5	66
CMH 27.150			496		292			16,0	
CMH 33.90	188	215	447	160	202	1"¼	1"¼	17,0	45
CMH 34.110			475		236			17,5	
CMH 35.150			503		269			19,0	40
CMH 36.120			531		303			20,0	
CMH 43.220	170	200	500	160	250	1"½	1"½	20	40
CMH 44.220			540		290			22	35
CMH 45.300.3			610		325			26	40