



Horizontal Multi-stage Pumps

Type COMPACT

APPLICATIONS

- Domestic pressure boosting
- General pressure increases
- Small-scale garden irrigation
- Washing vehicles
- Moving clean water

FEATURES

- Particularly silent
- Light and easy to handle

SPECIFICATIONS

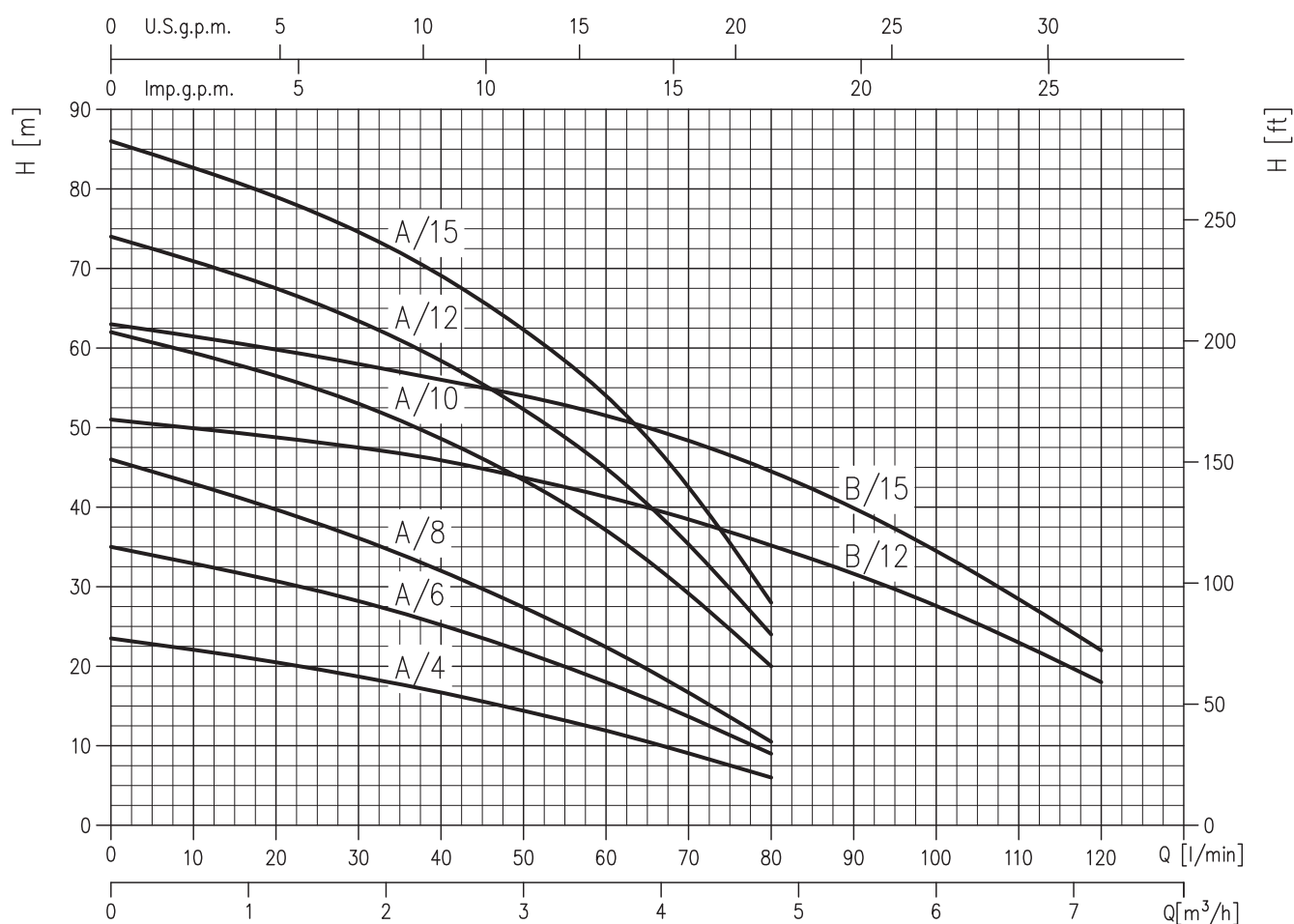
- Maximum working pressure : 10 bar
- Maximum liquid temperature : 35°C according EN 60335-2-41 for domestic use
40°C for other uses
- G1 for COMPACT A, G1¼ for COMPACT B of the range
- G1 discharge connection

MATERIALS

- Cast iron pump casing and bracket
- External casing in AISI 304
- Impeller and diffuser in PPE+PS reinforced with fibreglass
- Stages in PPE+PS reinforced with fibreglass/PTFE
- Shaft in AISI 416
- Mechanical seal in Carbon/Ceramic/NBR



PERFORMANCE CURVE

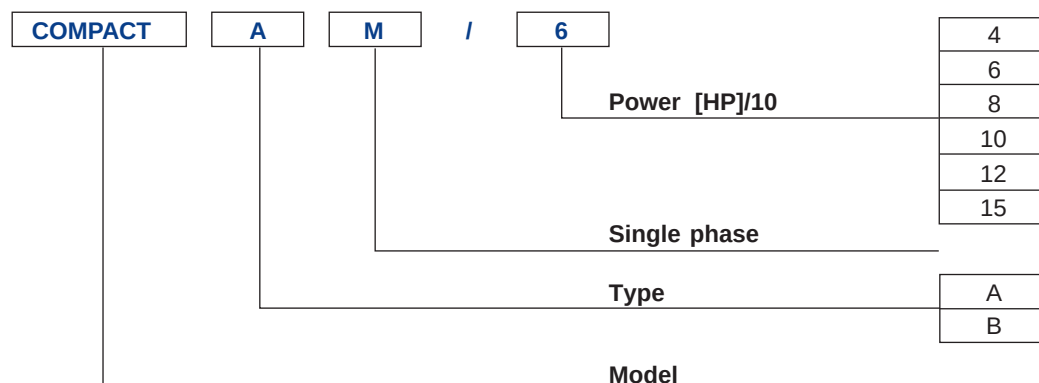


Model		P ₂		Q=Flow rate								
				l/min	20	30	40	50	60	80	100	120
Single phase 230V	Three phase 230/400V	[HP]	[kW]	m³/h	1.2	1.8	2.4	3	3.6	4.8	6	7.2
				H=Head [m]								
COMPACT AM/4	COMPACT A/4	0.4	0.3	20.5	18.7	16.7	14.4	11.9	6.0	-	-	-
COMPACT AM/6	COMPACT A/6	0.6	0.44	30.7	28.2	25.2	21.8	18.0	9.0	-	-	-
COMPACT AM/8	COMPACT A/8	0.8	0.6	39.7	36.1	32.0	27.4	22.4	10.5	-	-	-
COMPACT AM/10	COMPACT A/10	1	0.75	56.5	53.0	48.5	43.5	37.1	20.0	-	-	-
COMPACT AM/12	COMPACT A/12	1.2	0.9	67.5	63.4	58.5	52.5	45.0	24.0	-	-	-
COMPACT AM/15	COMPACT A/15	1.5	1.1	79.0	74.6	69.0	62.5	54.0	28.0	-	-	-
COMPACT BM/12	COMPACT B/12	1.2	0.9	-	47.5	46.0	43.5	41.5	35.2	27.6	18.0	-
COMPACT BM/15	COMPACT B/15	1.5	1.1	-	58.0	56.0	54.0	51.5	44.5	34.5	22.0	-

TECHNICAL DETAILS

- Self-ventilated 2 pole asynchronous motor
- Insulation : Class F
- IP44 Protection degree
- 230V $\pm 10\%$, 50Hz single phase voltage, 230/400V $\pm 10\%$, 50Hz three phase voltage
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Protection under user's responsibility for the three phase version

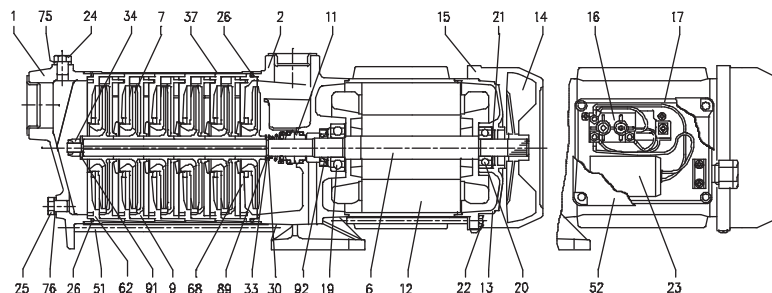
IDENTIFICATION CODE



SPECIFICATIONS

PUMP		
Liquid Handled	Type of liquid	Clean water
	Temperature [°C]	min. +5 max. +40
Maximum working pressure [MPa]		1
Construction	Impeller	Closed centrifugal
	Shaft seal type	Mechanical seal
	Bearing	Sealed ball bearing
Pipe Connection	Suction	G 1" (Compact A version) UNI ISO 228
		G 1 1/4" (Compact B version) UNI ISO 228
	Discharge	G 1" (All version) UNI ISO 228
Material	Casing	Cast iron
	Impeller	PPE+PS Glass Fiber Reinforced
	Shaft seal	Ceramic/Carbon/NBR
	External pump casing	AISI 304
	Shaft	AISI416
	Stages	PPE+PS Glass Fiber Reinforced/PTFE
	Diffuser	PPE+PS Glass Fiber Reinforced
	Bracket	Cast iron
Applicable standard of test		ISO 9906 - Annex A

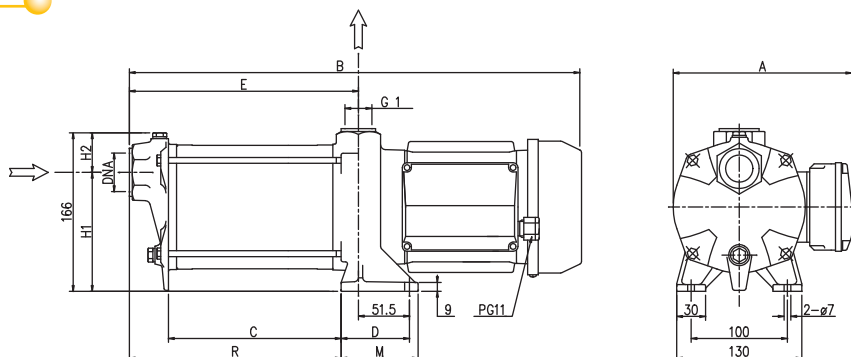
SECTIONAL VIEW



Ref.	Name	Material	Ref.	Name	Material
1	Pump body	G20 Cast iron	23	Capacitor [1]	-
2	Pump body support	G20 Cast iron	24	Filler cap	Brass
6	Rotor shaft	AISI 416	25	Drain plug	Brass
7	Impeller	PPE+PS reinforced with fiberglass	26	O-Ring	NBR
9	Nozzle	PPE+PS reinforced with fiberglass	30	Washer	AISI 304
11	Mechanical seal	Carbon/Ceramic/NBR	33	Seeger ring	AISI 304
12	Motor case	-	34	Impeller nut	AISI 304
13	Motor cover	Aluminium	37	Pump casing	AISI 304
14	Fan	PP	51	Pump tie-rod	Galvanised Fe P04
15	Fan cover	Galvanised Fe P04	52	Capacitor-holder box [1]	PP
16	Terminal box	-	62	Stage box	PPE+PS reinforced with fiberglass
17	Terminal box cover	Aluminium	68	Stage	PPE+PS reinforced with fiberglass/PTFE
		PP [1]	75	Washer	AISI 304
19	Bearing (pump side)	-	76	Washer	AISI 304
20	Bearing (motor side)	-	89	Washer	AISI 304
21	Adjusting ring	Steel C70	91	Washer	AISI 304
22	Motor tie-rod	Galvanised Fe 42	92	Sealing ring	-

[1]= Single phase only

DIMENSION



Model		Dimensions [mm]												Weight [kg]
Single phase	Three phase	[1]	A	[2]	B	C	D	E	H1	H2	M	R	DNA	
COMPACT AM/4	COMPACT A/4	183.5	159		307.5	82	51.5	120.5	127.5	38.5	62	120.5	G1	8.4
COMPACT AM/6	COMPACT A/6	183.5	159		333.5	108	51.5	146.5	127.5	38.5	62	146.5	G1	9.3
COMPACT AM/8	COMPACT A/8	183.5	159		359.5	134	51.5	172.5	127.5	38.5	62	172.5	G1	10.3
COMPACT AM/10	COMPACT A/10	193.5	169		426	142	69.5	198.5	123.5	42.5	80	180.5	G1	14.5
COMPACT AM/12	COMPACT A/12	193.5	169		452	168	69.5	224.5	123.5	42.5	80	206.5	G1	15.5
COMPACT AM/15	COMPACT A/15	193.5	169		490	194	69.5	250.5	123.5	42.5	80	232.5	G1	16.7
COMPACT BM/12	COMPACT B/12	193.5	169		400	116	69.5	172.5	123.5	42.5	80	154.5	G1¼	14.9
COMPACT BM/15	COMPACT B/15	193.5	169		438	142	69.5	198.5	123.5	42.5	80	180.5	G1¼	15.9

[1]= Single phase [2]= Three phase only

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



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