

COMPACT

HORIZONTAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS

in cast iron



Cast iron horizontal multistage centrifugal electric pumps.

APPLICATIONS

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

TECHNICAL DETAILS

- Particularly silent
- Light and easy to handle

PUMP TECHNICAL DATA

- Maximum working pressure: 10 bar
- Maximum temperature of the liquid: 40°C
- G1 for COMPACT A, G1¼ for COMPACT B
- G1 discharge connection

MOTOR TECHNICAL DATA

- Self-ventilated 2 pole asynchronous motor
- Class of insulation F
- IP44 Protection degree
- 230V ±10%, 50Hz single phase voltage, 230/400V ±10%, 50Hz three phase voltage
- Permanent capacitor inserted and thermo-amperometric protection with automatic rearm incorporated for the single phase motor
- Protection under user's responsibility for the three phase version

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

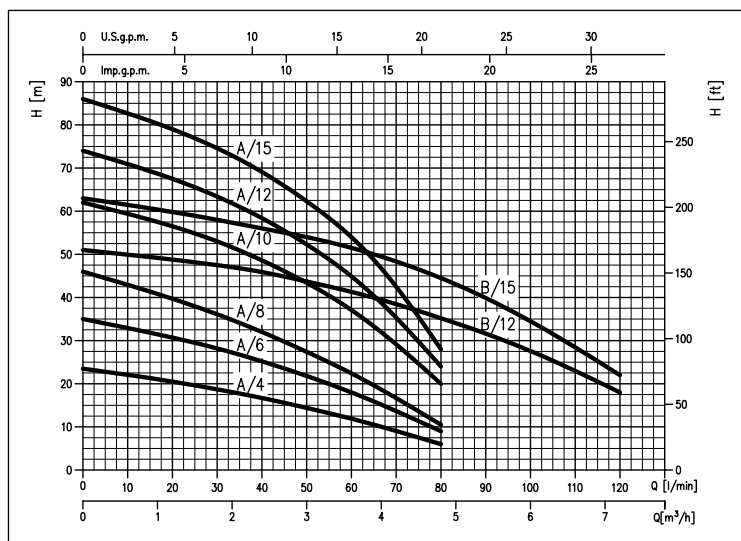
CONTROL PANELS

- 1EP
- 1EPBH

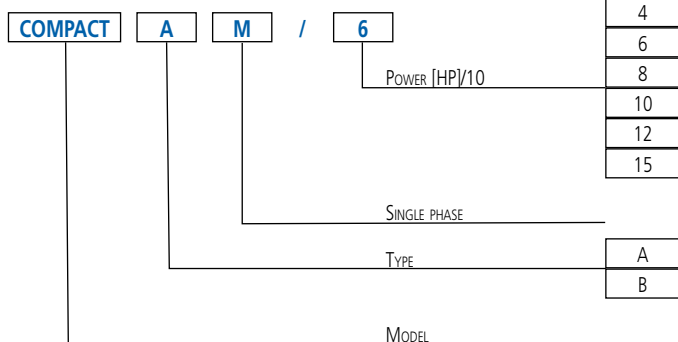
ACCESSORIES (on request)

- 5 litre 10 bar ¾ EPDM vessel
- 24 litre 8 bar 1" EPDM vessel
- 24 litre 10 bar 1" EPDM vessel
- 24 litre 16 bar 1" EPDM vessel
- PVC 5m key float with counter-weight
- PVC 10m key float with counter-weight
- SQUARE-D FSG-2 1.4÷4.6 bar G¼ F pressure switch
- FYG-22 2.8÷7 bar G¼ F pressure switch
- FYG-32 5.6÷10.5 bar G¼ F pressure switch
- Presscomfort - Pressure regulator
- Press•o•Matic - Variable speed control system (230V±10% single phase - power supply three phase 220V output - maximum motor power 2.2 kW - 3 HP)
- E-drive - Frequency converter

PERFORMANCE CURVES (according to ISO 9906 Attachment A)



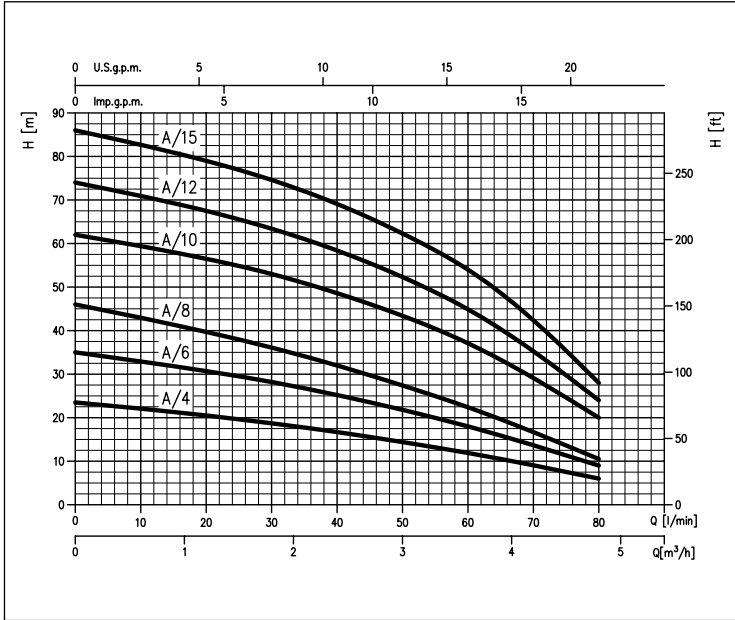
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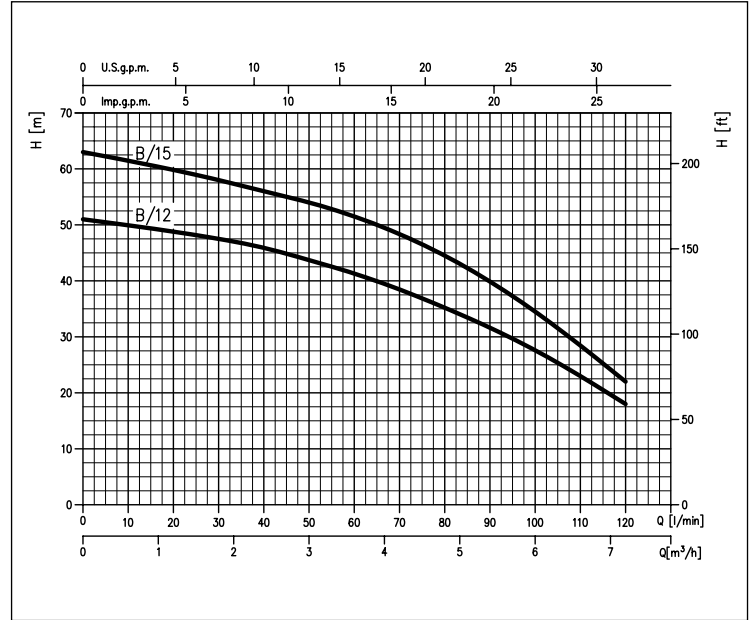
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COMPACT A range PERFORMANCE CURVES
(according to ISO 9906 Attachment A)



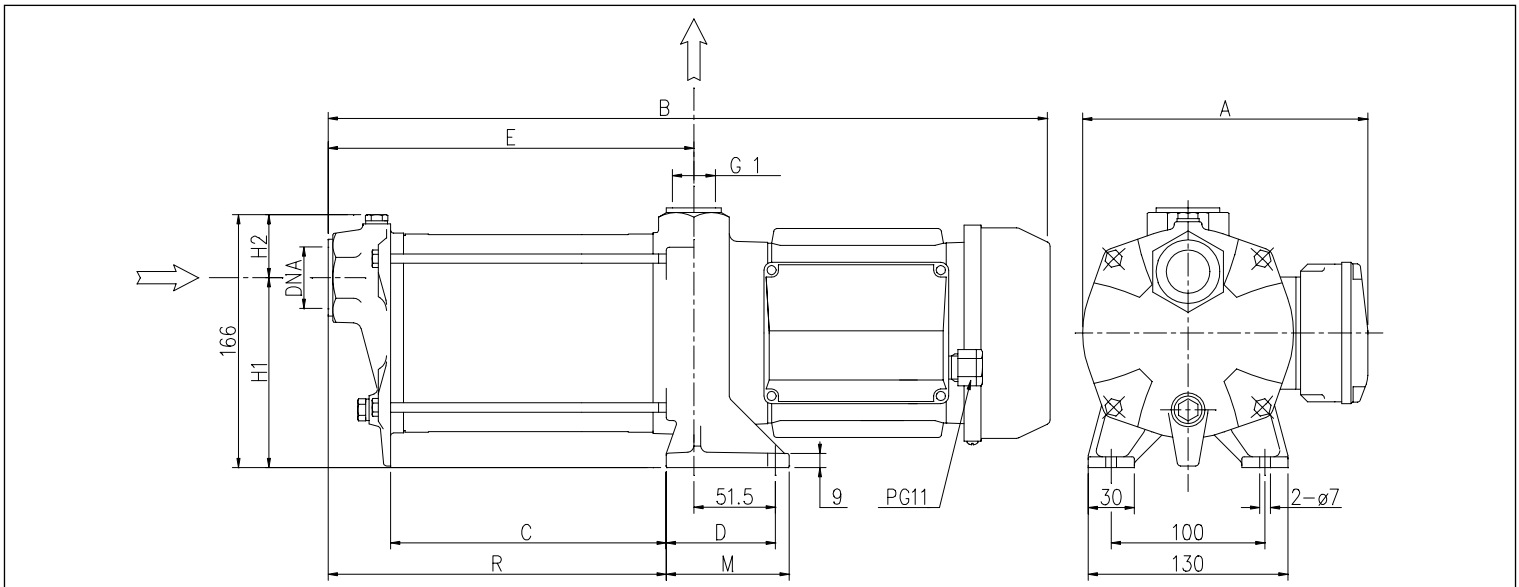
COMPACT B range PERFORMANCE CURVES
(according to ISO 9906 Attachment A)



PERFORMANCE TABLE

Single phase 230V	Model Three phase 230/400V	P ₂		Q=Flow rate								
		[HP]	[kW]	l/min	20	30	40	50	60	80	100	120
				m ³ /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	-

DIMENSIONS



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