



EBARA

MULTIGO

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS

60 Hz



VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS

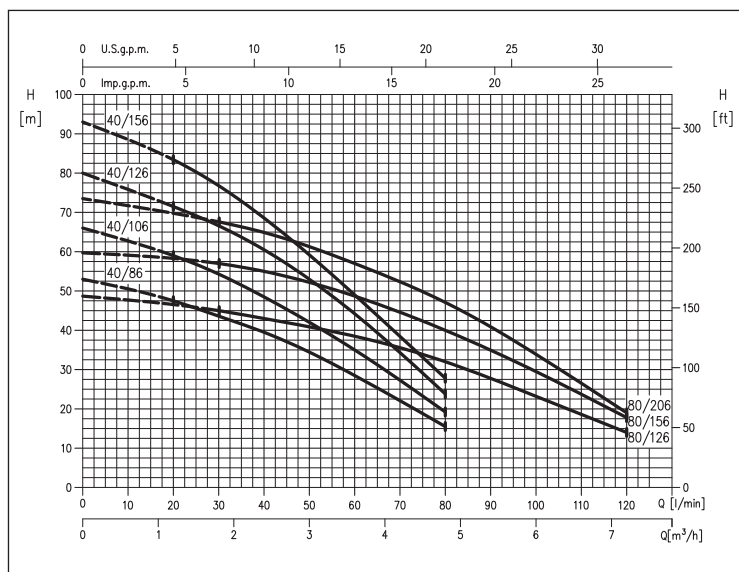
in AISI 304



MULTIGO

MULTIGO IN-LINE

PERFORMANCE CURVES (according to ISO 9906 Attachment A)



AISI 304 vertical multistage centrifugal electric pumps.

APPLICATIONS

- Boosting of domestic and community hydraulic plants
- Moving liquids in places subject to flooding
- Supplying fountains
- Water games
- Sprinkling irrigation of small vegetable patches and gardens

TECHNICAL DETAILS

- Reliable
- Silent
- Equipped with motor cooled by the flow of moving water
- Twin mechanical seal with interposed oil chamber containing the lubrication bliquid that ensures long duration
- Equipped with 5 m of H07 RN-F power supply cable
- Also available in the in-line version (equipped with single-phase motors only)

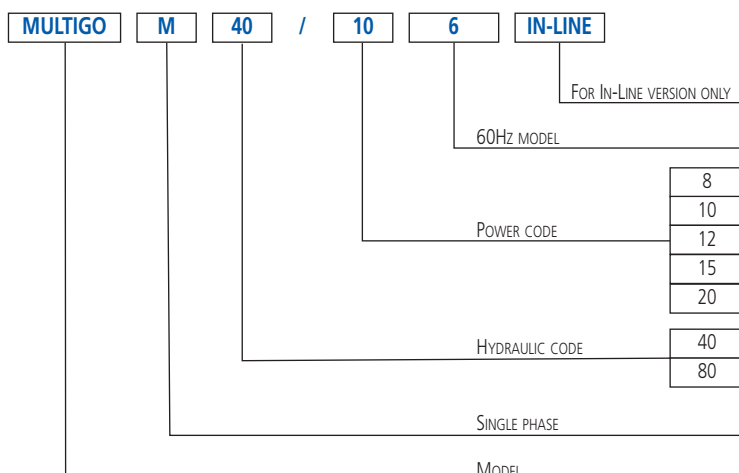
TECHNICAL DATA

- Maximum working pressure: 10 bar
- Maximum temperature of the liquid: 40°C
- Maximum suction depth: 6 m
- Asynchronous motor cooled via the moving liquid
- Class of insulation F
- IPX8 Protection rating
- 220-230V $\pm 6\%$, 60Hz single phase voltage, 380V $-6\% + 10\%$, 60Hz 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
- G1¼ suction and discharge connection

MATERIALS

- Pump body, seal housing disc, external casing and motor cover in AISI 304
- Impeller and nozzle in PPE+PS reinforced with fibreglass
- Shaft in AISI 431
- Mechanical seal in Carbon/Ceramic/NBR

IDENTIFICATION CODE

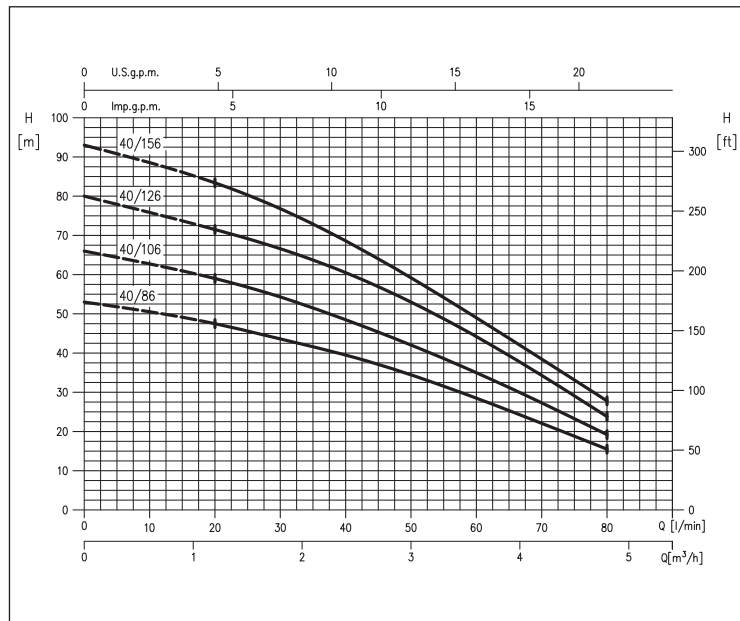


VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS

in AISI 304

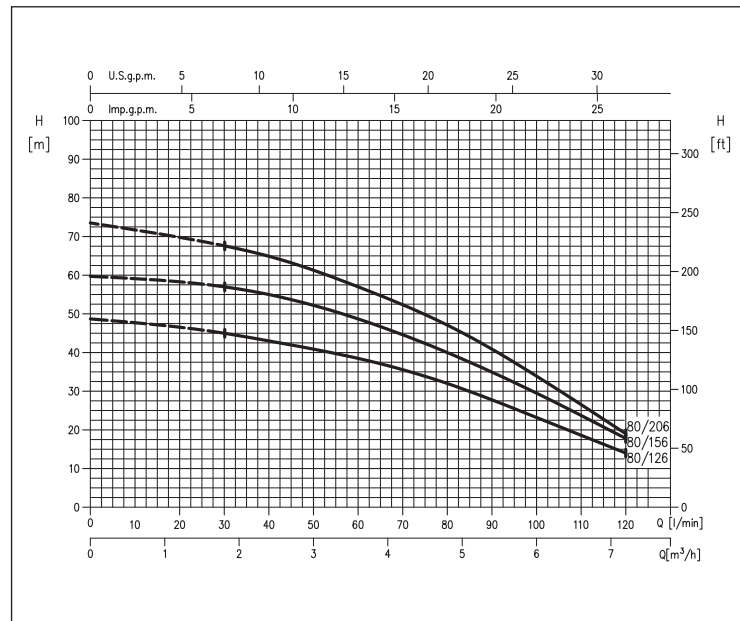
MULTIGO 40 range PERFORMANCE CURVES

(according to ISO 9906 Attachment A)



MULTIGO 80 range PERFORMANCE CURVES

(according to ISO 9906 Attachment A)

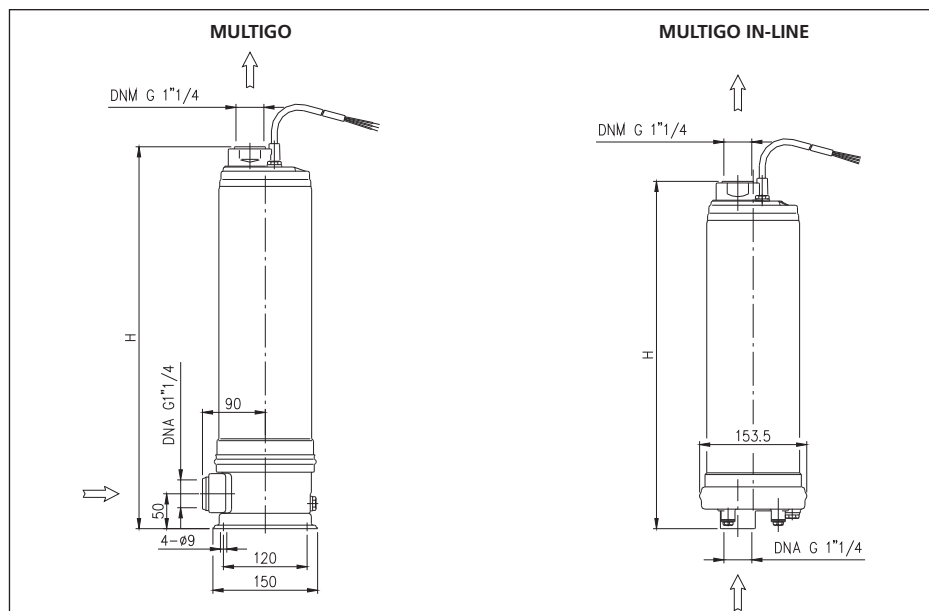


PERFORMANCE TABLE

Single phase 220-230V	Model Three phase 380V	P ₂		Q=Flow rate							
				[HP]	[kW]	l/min m³/h	20 1,2	30 1,8	40 2,4	60 3,6	80 4,8
		H=Head [m]									
MULTIGO M 40/86	MULTIGO 40/86	0,8	0,6	47,5	43,5	39,5	28,5	15,5	-	-	
MULTIGO M 40/106	MULTIGO 40/106	1	0,75	59,0	54,5	48,5	35,0	19,2	-	-	
MULTIGO M 40/126	MULTIGO 40/126	1,2	0,9	71,5	66,5	60,5	44,0	23,8	-	-	
MULTIGO M 40/156	MULTIGO 40/156	1,5	1,1	83,5	76,5	68,5	49,0	27,8	-	-	
MULTIGO M 80/126	MULTIGO 80/126	1,2	0,9	-	45,0	43,0	38,5	32,0	23,2	14,0	
MULTIGO M 80/156	MULTIGO 80/156	1,5	1,1	-	57,0	55,0	48,5	40,0	29,5	17,8	
-	MULTIGO 80/206	2	1,5	-	67,5	65,0	57,0	47,0	33,9	19,0	

Note: the in-line version is equipped with single phase motors only

DIMENSIONS



DIMENSIONS TABLE

Model	H [mm]		Weight [kg]	
	STANDARD VERSION	IN-LINE VERSION	[2]	[1]
MULTIGO 40/86	547	501	15,7	15,4
MULTIGO 40/106	573	527	16,7	16,5
MULTIGO 40/126	624	578	18,6	18,3
MULTIGO 40/156	650	604	19,7	19,1
MULTIGO 80/126	573	527	17,6	17,3
MULTIGO 80/156	598	552	18,7	18,3
MULTIGO 80/206	624	-	-	19,0

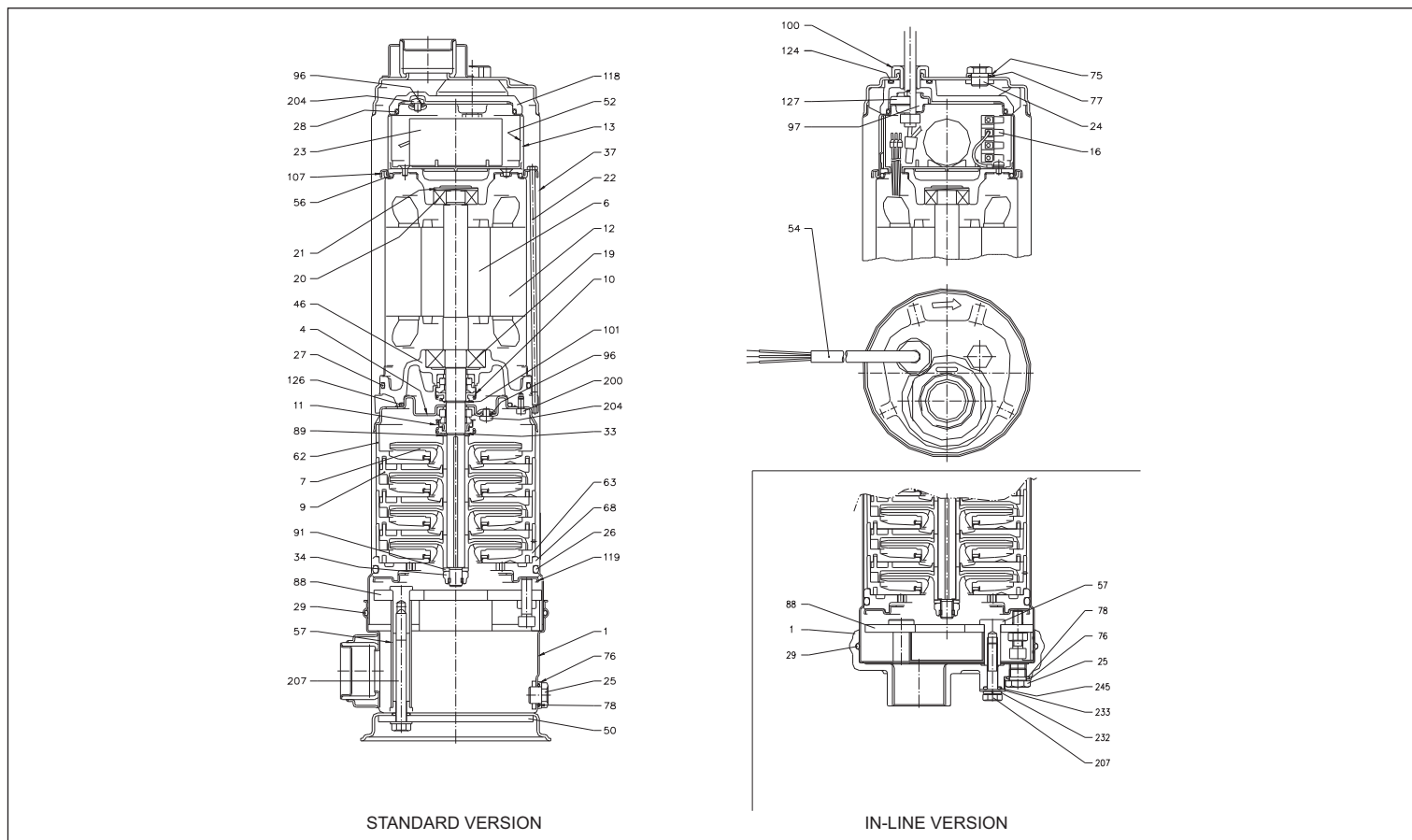
[1]= Three phase only

[2]= Single phase only

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS

in AISI 304

SECTIONAL VIEW



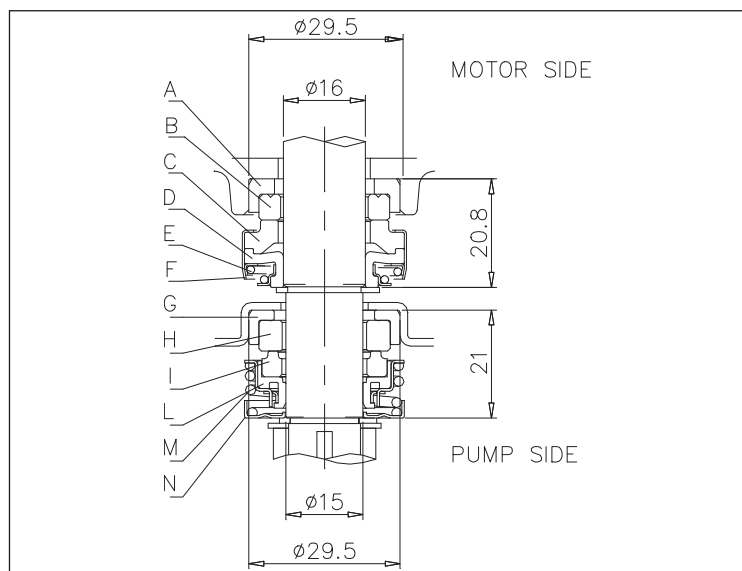
MATERIALS TABLE

Ref.	Name	Material	Ref.	Name	Material
1	Pump body	EN 1.4301 (AISI 304)	56	O-Ring	NBR
4	Seal housing disc	EN 1.4301 (AISI 304)	57	Filter spacer	EN 1.4305 (AISI 303)
6	Shaft	EN 1.4057 (AISI 431)	62	Stage box	PPE+PS reinforced with fibreglass
7	Impeller	PPE+PS reinforced with fibreglass	63	Stage box with hole	PPE+PS reinforced with fibreglass
9	Nozzle	PPE+PS reinforced with fibreglass	68	Lower spacer	PPE+PS reinforced with fibreglass
10	Motor side mechanical seal	Carbon/Ceramic/NBR	75	Washer	EN 1.4301 (AISI 304)
11	Pump side mechanical seal	Carbon/Ceramic/NBR	76	Washer	EN 1.4301 (AISI 304)
12	Motor casing with stator	-	77	O-Ring	NBR
13	Motor cover	EN 1.4301 (AISI 304)	78	O-Ring	NBR
16	Terminal box	-	88	Closing ring	EN 1.4301 (AISI 304)
19	Bearing (pump side)	-	89	Washer	EN 1.4301 (AISI 304)
20	Bearing (motor side)	-	91	Washer	EN 1.4301 (AISI 304)
21	Adjusting ring	Steel C70	96	O-Ring	NBR
22	Tie-rod	EN 1.4305 (AISI 303)	97	Cable gland	NBR
23	Capacitor (for single phase only)	-	100	Lock screw	EN 1.4305 (AISI 303)
24	Filler cap	EN 1.4305 (AISI 303)	101	Seeger ring	EN 1.4021 (AISI 420)
25	Drain plug	EN 1.4305 (AISI 303)	107	Closing ring	EN 1.4301 (AISI 304)
26	O-Ring	NBR	118	Upper spacer with hole	Brass
27	O-Ring	NBR	119	Flange for spacer	EN 1.4301 (AISI 304)
28	O-Ring	NBR	124	O-Ring	NBR
29	O-Ring	NBR	126	O-Ring	NBR
33	Seeger ring	EN 1.4301 (AISI 304)	127	Cable gland connector (power supply)	EN 1.4301 (AISI 304)
34	Impeller nut	EN 1.4301 (AISI 304)	200	Screw	Stainless steel A2 UNI 7323
37	Casing	EN 1.4301 (AISI 304)	204	Screw	Stainless steel A2 UNI 7323
46	Bearing holder support	Brass	207	Screw	Stainless steel A2 UNI 7323
50	Pump body support	EN 1.4301 (AISI 304)	232	Washer	Stainless steel A2 UNI 7323
52	Capacitor-holder box	PA66	233	Washer	Stainless steel A2 UNI 7323
54	Power supply cable	-	245	O-Ring	NBR

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MECHANICAL SEAL



MATERIALS TABLE

Ref.	Name	Material
A	Fixed gasket	NBR
B	Fixed sealing ring	Ceramic
C	Rotating sealing ring	Carbon
D	Rotating gasket	NBR
E	Spring	AISI 304
F	Structure/frame	AISI 304
G	Fixed gasket	NBR
H	Fixed sealing ring	Ceramic
I	Rotating sealing ring	Carbon
L	Rotating gasket	NBR
M	Spring	AISI 304
N	Structure/frame	AISI 304

ELECTRIC DATA TABLE

Model		P ₂		Capacitor Single phase		P ₁		Absorbed Current [A]	
Single phase 220-230V	Three phase 380V	[HP]	[kW]	μF	V _c	Single phase [kW]	Three phase [kW]	Single phase 220-230V	Three phase 380V
MULTIGO M 40/86	MULTIGO 40/86	0,8	0,6	16	450	1,03	0,93	5,0	1,7
MULTIGO M 40/106	MULTIGO 40/106	1	0,75	16	450	1,20	1,09	5,9	2,0
MULTIGO M 40/126	MULTIGO 40/126	1,2	0,9	20	450	1,45	1,28	7,1	2,3
MULTIGO M 40/156	MULTIGO 40/156	1,5	1,1	25	450	1,68	1,47	8,1	2,7
MULTIGO M 80/126	MULTIGO 80/126	1,2	0,9	20	450	1,30	1,10	6,4	2,1
MULTIGO M 80/156	MULTIGO 80/156	1,5	1,1	25	450	1,48	1,30	7,2	2,5
-	MULTIGO 80/206	2	1,5	-	-	-	1,53	-	2,7

Note: the in-line version is equipped with single phase motors only

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