Technical data

Pump name PRA 0.50 M

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	PERIPHERAL	Fluid		Water, clean
2	Number of pumps / Reserve	1 / 0	Liquid temperature	K	293
3	Flow l/min	0	Kin. viscosity	mm²/s	1
4	Head m	0	Vapour pressure	kPa	2.2
5	Geodetic head m	0	PH value		7
6	Inlet pressure (pin) kPa	10	Density	kg/m³	1000
7	Available system NPSH	0	Solids	Weight %	0
8	Ambient temperature K	290			

Pump

9	Pump name	PRA 0.50 M	Frequency		Hz	50
10	Design	PERIPHERAL	Installation type			STANDARD
11	Manufacturer	EPE	Impeller Diameter	Max.	mm	60
12	Speed 1/min	2850		Designed	mm	60
13	No. of Stage	1		Min.	mm	60
14	Connection Suction side	UNI ISO 228	Flow	Operating	l/min	
15	Connection Discharge side	UNI ISO 228		Max-	l/min	35
16	Max Working Pressure kPa	600		Min-	l/min	5
17	Shut-off head kPa	396.52	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	5.0
19	Shaft power kW			- (Qmin.)	m	37.1
20			Max. Shaft Power at max. impeller		kW	
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	Brass		
23	Casing	Cast iron		
24	Shaft	AVZ		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_PRA 0.50 M_230_Single Phase	Phases		1~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size		
31	Rated power kW	0.37	Weight	kg	0
32	Number of poles	2	Electric voltage	V	230
33	Speed 1/min	2850	Electric current	A	2.6
34	Degree of protection	IP 44			
35					

Remarks

EBARA

Performance curve **Pump name** PRA 0.50 M

Customer	Date 14-May-2020	Company
Contact	Item no.	Issued by
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Requested data

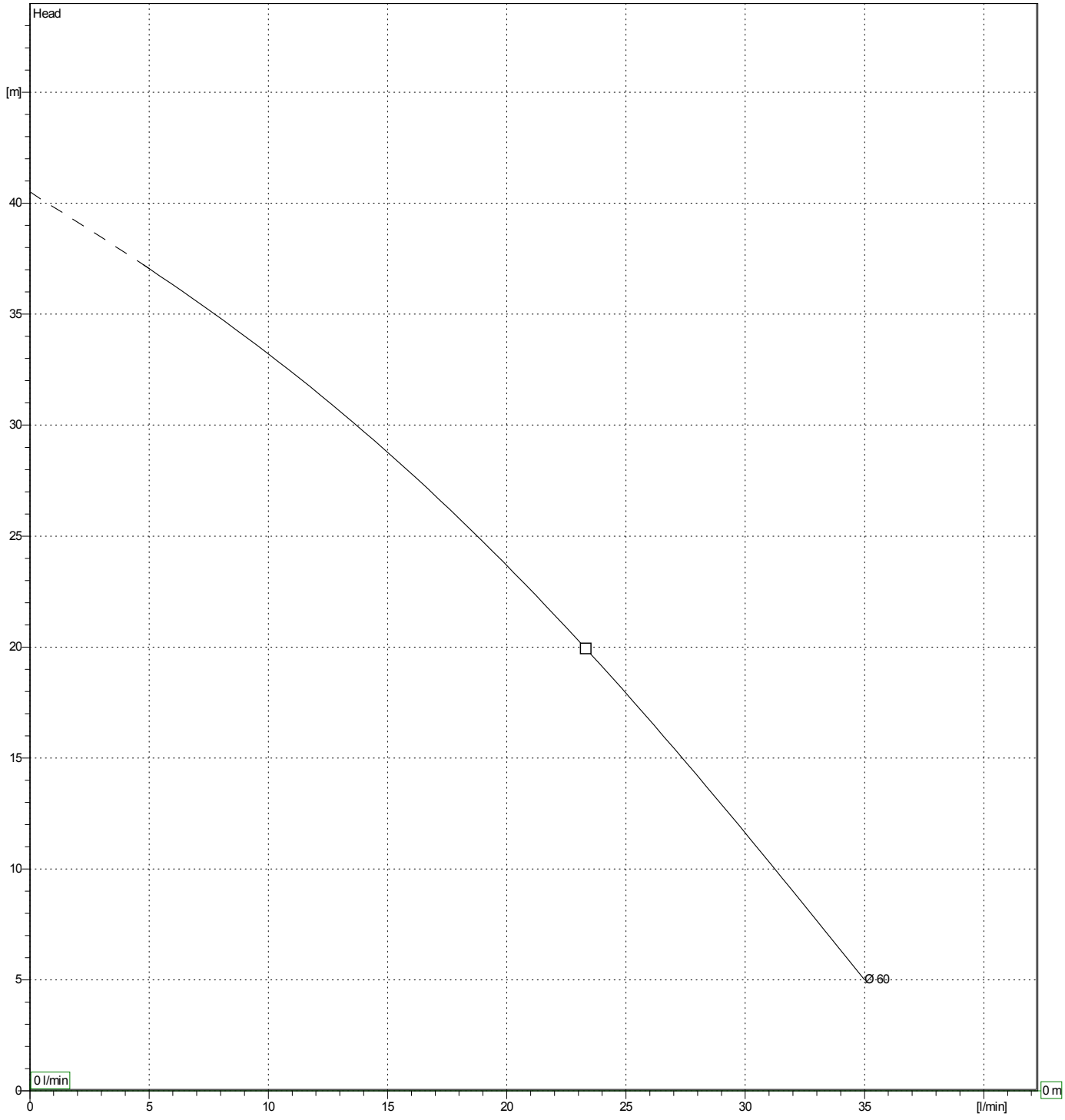
1	Flow	l/min	0
2	Head	m	0
3	Geodetic head	m	0

Pump

Operating Flow	l/min		Frequency	Hz	50
Operating Head	m		Number of poles		2
Impeller Diameter	Designed mm	60	Speed	1/min	

Test standard: ISO 9906:2012 - Grade3B

Water, clean [100%] ; 293K; 998.3kg/m³; 1mm²/s

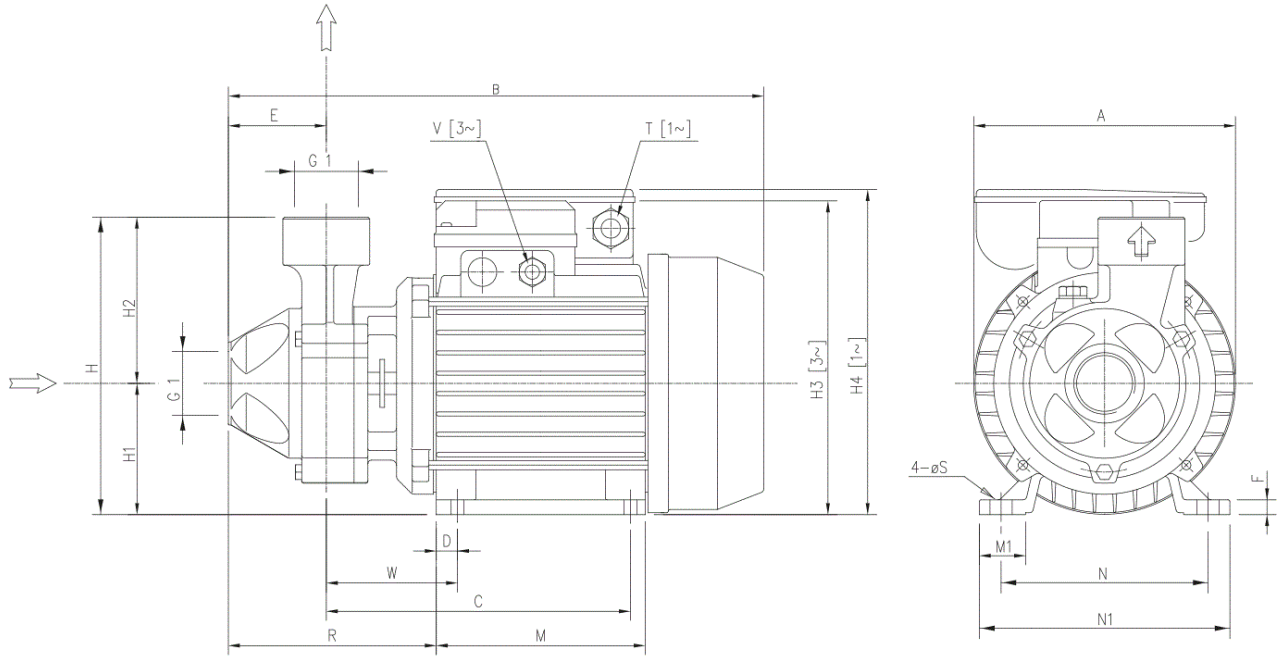


EBARA

Dimensions

Pump name PRA 0.50 M

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[1~] Single Phase
[3~] Three Phase

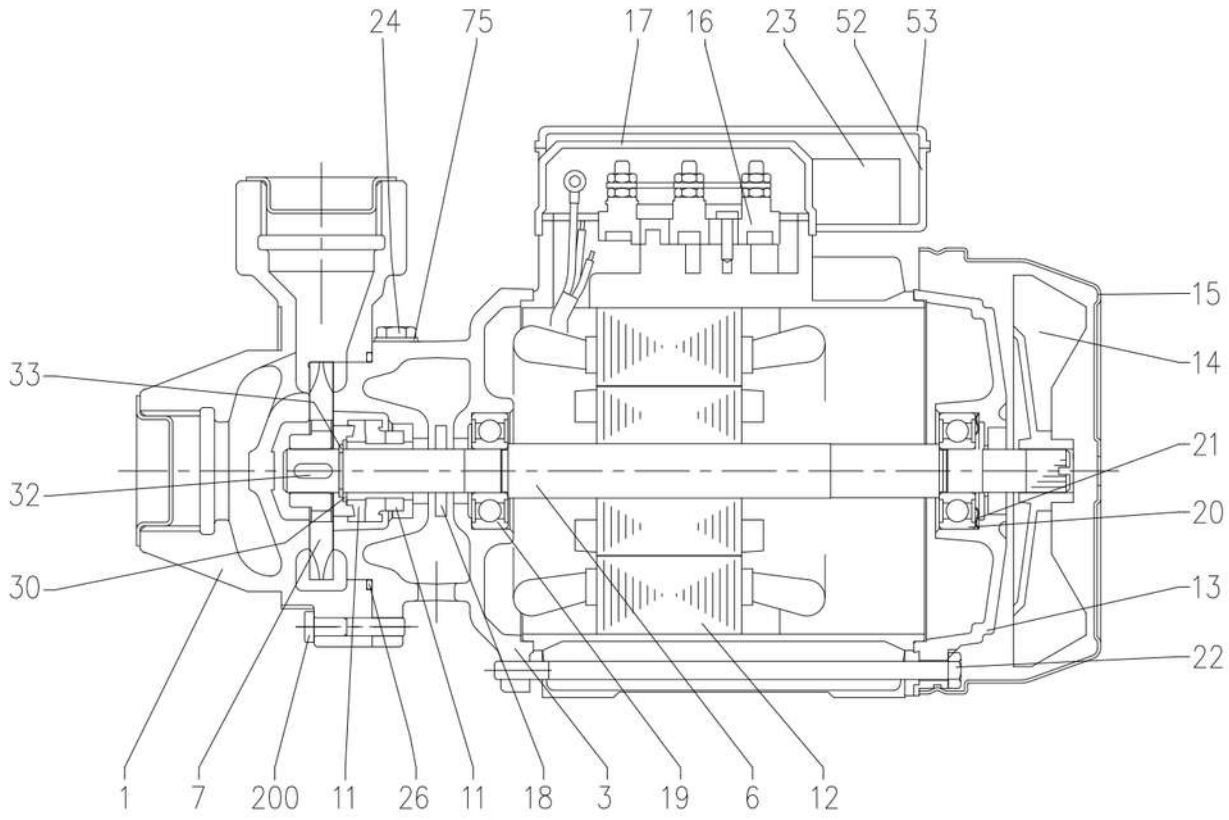
Dimensions in mm								
1	A	130	N1	120				
2	B	264	R	119				
3	C	149	S	7				
4	D	10	T	PG11				
5	E	50	W	69				
6	F	7	Weight PUMP	5.6 kg				
7	H	143						
8	H1	63						
9	H2	80						
10	H4	160						
11	M	100						
12	M1	23						
13	N	100						

EBARA

(1/3)
Construction

Pump name PRA 0.50 M

Customer	Date 14-May-2020	Company
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E-mail	Project ID	E-mail



(2/3)
Construction

Pump name PRA 0.50 M

Customer		Date	14-May-2020	Company	
Contact		Item no.		Issued by	
Phone		Project		Phone	
E-mail		Project ID		E-mail	

N°	PART NAME		MATERIAL	DIMENSIONS	STANDARD	Q.TY
1	Casing		Cast iron			1
3	Motor bracket		Cast iron			1
6	Shaft with rotor		[1]		UNI 7846	1
7	Impeller		Brass			1
11	Mechanical seal	[2]	Carbon/Ceramic/NBR	[2]		1
12	Motor frame with stator		-			1
13	Motor cover		Aluminium			1
14	Fan		PP			1
15	Fan cover		Fe P04 Galvanized			1
16	Terminal box		-			1
17	Terminal box cover	[3]	Aluminium			1
18	Splash ring		NBR			1
19	Pump side ball bearing		-			1
20	Fan side ball bearing		-			1
21	Adjusting ring		Steel C70			1
22	Tie rod		Fe 42 Galvanized			4
23	Capacitor	[4]	-			1
24	Priming plug		Brass	G 1/8"	UNI 338	1
26	O-Ring		NBR			1
30	Washer		AISI 304			1
32	Key		AISI 316			1
33	Seeger ring		AISI 304		UNI 7435	1
52	Capacitor box	[4]	ABS class V-0			1
53	Capacitor box cover	[4]	ABS class V-0			1
75	Washer		Aluminium			1
200	Screw	0.37 kW	Zn Steel Cl. 8.8	M5X25	UNI 5938	3
		0.6-0.75 kW		M5X40	ISO 898-1	
		1.1-1.5 kW		M6X45		

[1] Material: AVZ for version PRA 0.50
AISI 303 (wet extension) for the other version

[2] See **CONSTRUCTION 3**

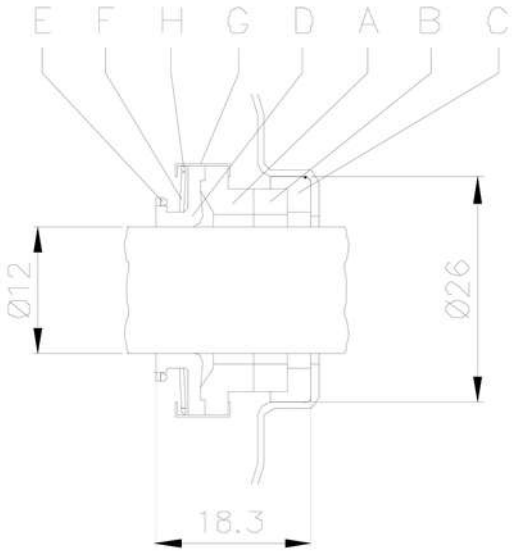
[3] Only for three phase

[4] Only for single phase

(3/3)
Construction

Pump name PRA 0.50 M

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REF	PART NAME	MATERIAL
A	Rotary seal ring	Carbon graphite
B	Stationary seal ring	Ceramic
C	Gasket	NBR
D	Bellows	NBR
E	Ring	AISI 304
F	Self driving spring	AISI 304
G	Frame	AISI 304
H	Retainer ring	AISI 304