Technical Data

Pump Name DWO 4006

Customer	Date	2024-07-01	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-07-01 19:11:46	E-mail

Requested data

1	Pump type	CENTRIFUGAL PUMPS	Fluid		Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C	20
3	Flow m³/h		Kin. viscosity	mm²/s	1.005
4	Head m		Vapour pressure	bar	0.0234
5	Geodetic head m		PH value		
6	Inlet pressure (pin) bar	0	Density	kg/m³	998.3
7	Available system NPSH		Solids	Weight %	0
8	Ambient temperature °C	20			

Pump

9	Pump Name	DWO 4006	Frequency		Hz	60
10	Design	CENTRIFUGAL PUMPS	Installation type			STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max.	mm	118
12	Speed rpm	3400		Designed	mm	118
13	No. of Stage	1		Min.	mm	118
14	Connection Suction side	UNI ISO 228	Flow	Operating	m³/h	
15	Connection Discharge side	UNI ISO 228		Max-	m³/h	66
16	Max Working Pressure bar	8		Min-	m³/h	6
17	Shut-off head bar	1.86	Head	Operating	m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.)	m	7.2
19	Shaft power kW			- (Qmin.)	m	18.6
20			Max. Shaft Power at max. impeller		kW	
21	Required pump NPSH m		Efficiency		%	

Materials

22	Impeller	AISI 304		
23	Casing	AISI 304		
24	Shaft	AISI 304 (wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class		F
29	Type	TEFC_DWO 4006_220_Three Phase	Phases		3~
30	Specific design	IE2 / 60 Hz / Pole pairs 1	Frame size		
31	Rated power kW	3	Weight	kg	
32	Number of poles	2	Electric voltage	V	220
33	Speed rpm	3450	Electric current	A	10.2
34	Degree of protection	IP 55			
35					

Remarks

EBARA

Performance Curve

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Requested data

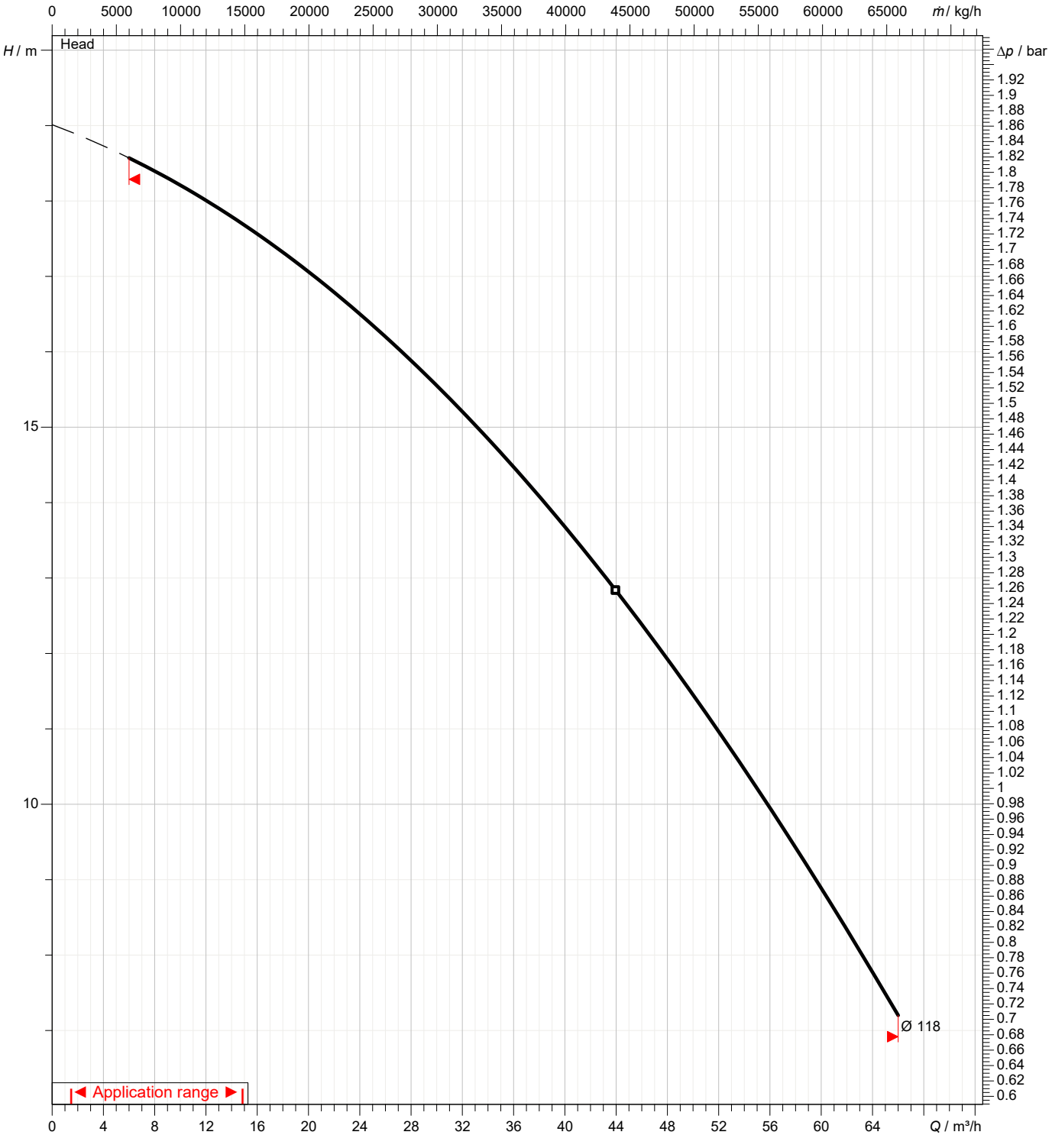
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	60
Operating head	m		Number of poles		2
Impeller diameter designed	mm	118	Speed	rpm	3400

Test standard: ISO 9906:2012 - Grade3B

Water; 20°C; 998.3kg/m³; 1mm²/s



EBARA

Dimensions

Pump Name DWO 4006

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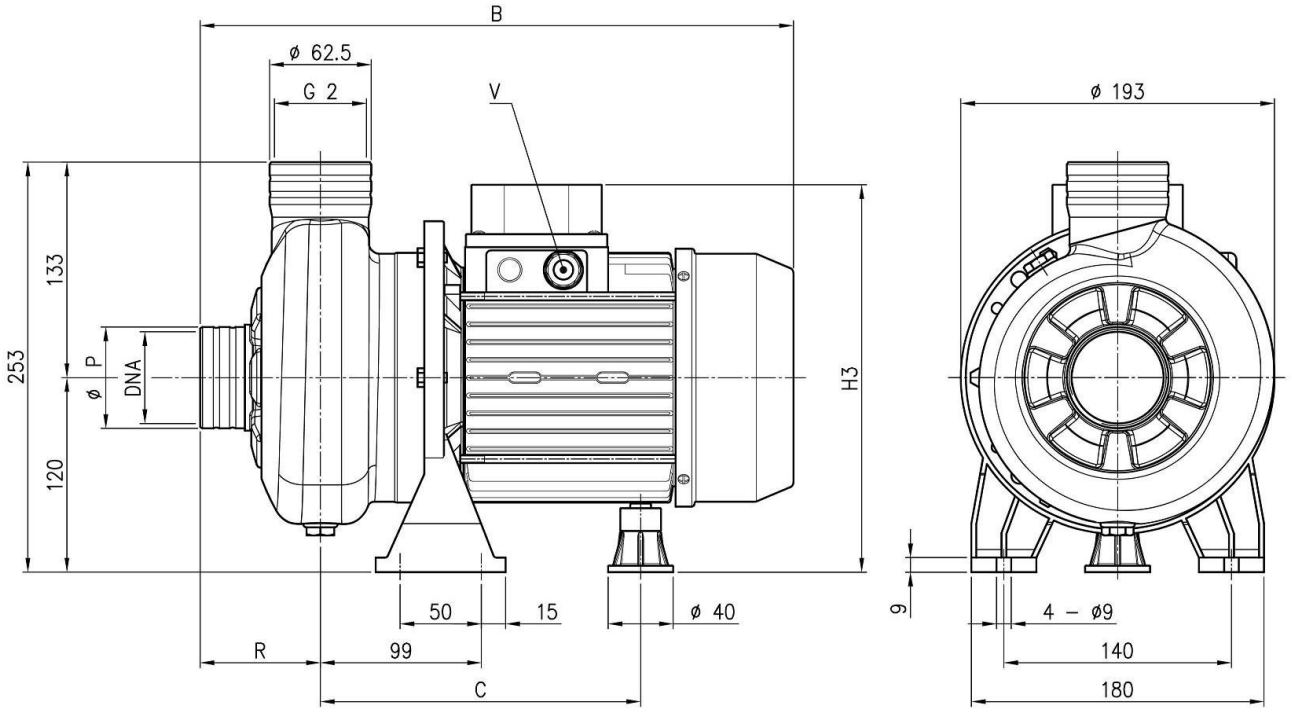

Dimensions in	mm							
1	B	455						
2	C	471						
3	DNA	G 2 1/2						
4	H3	244						
5	P	80						
6	R	78						
7	V	PG 13.5						
8	Weight P&M	22.3 kg						
9								
10								
11								
12								
13								
14								
15								

EBARA

(1/3)
Construction

Pump Name DWO 4006

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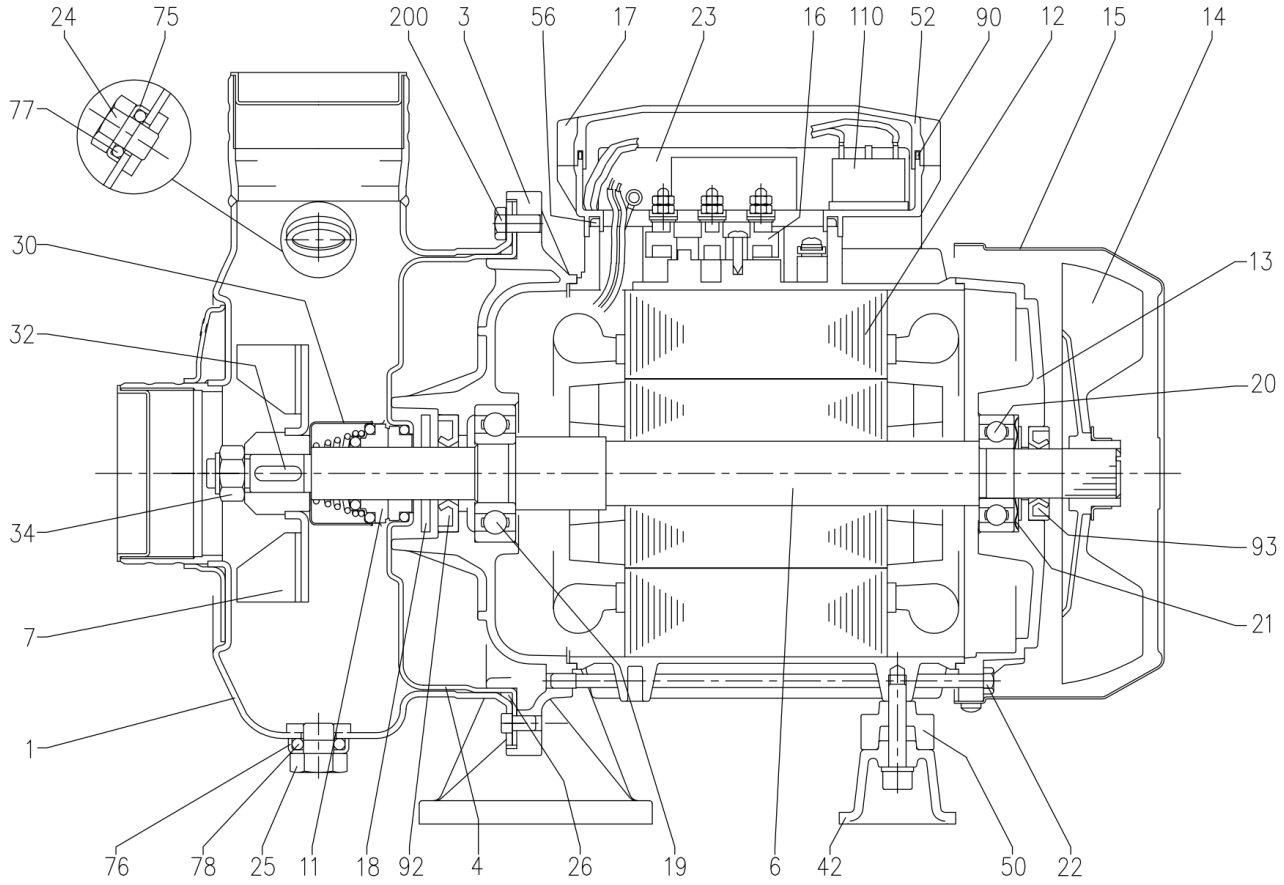

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Construction

Pump Name DWO 4006

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N°	PART NAME	MATERIAL	Q.TY
1	Casing	AISI 304	1
3	Motor bracket	Aluminium	1
4	Casing cover	AISI 304	1
6	Shaft with rotor	AISI 304 (Wet extention)	1
7	Impeller	AISI 304	1
11	Mechanical seal [3]	Carbon/Ceramic/NBR	1
12	Motor frame with stator	-	1
13	Motor cover	Aluminium	1
14	Fan	PP	1
15	Fan cover	Fe P04 Zincate	1
16	Terminal box	-	1
17	Terminal box cover [2]	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 420 Zincate	4
23	Capacitor [1]	-	1
24	Priming plug	AISI 303	1
25	Drain plug	AISI 303	1
26	O-ring [4]	NBR/FPM/EPDM	1
30	Mechanical seal protection	AISI 304	1
32	Key	AISI 316	1
34	Impeller nut	AISI 304	1
42	Motor support	Aluminium	1
50	Spacer	-	1
52	Terminal box [1]	PP	1
56	Box gasket	NBR	1
75	Washer	AISI 304	1
76	Washer	AISI 304	1
77	O-ring [4]	NBR/FPM/EPDM	1
78	O-ring [4]	NBR/FPM/EPDM	1
90	Terminal box cover gasket [1]	NBR	1
92	Lip seal	-	1
93	Lip seal	-	1
110	Protector [1]	-	1
200	Screw	Stainless steel A2 UNI7323	6

[1] Only for Single phase
[2] Only for Three phase
[3] See **CONSTRUCTION 3**
[4] FPM for H-HS-HW-HSW-Q1AVGG
EPDM for AQ1EGG-VAEGG-Q1U3EGG-U3BEGG
NBR only for Standard version

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Construction

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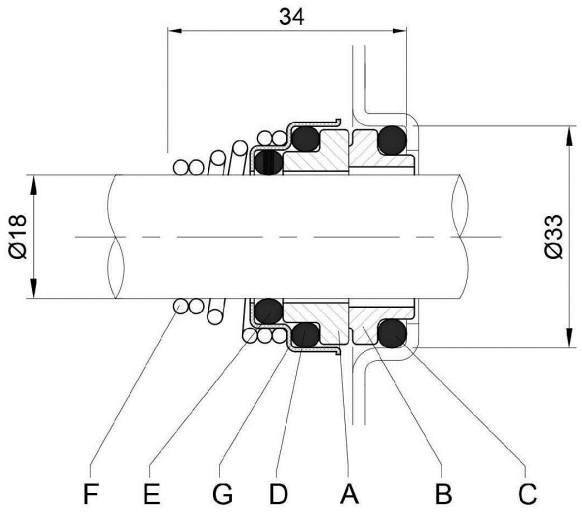

REF	PART NAME	MATERIAL Standard
A	Rotary seal ring	Ceramic
B	Stationary seal ring	Carbon graphite
C	O-ring	NBR
D	O-ring	NBR
E	O-ring	NBR
F	Self driving spring	AISI 316
G	Frame	AISI 304