

Technical Data

Pump Name

DW VOX M 75

Customer	Date	2024-06-13	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-13 18:03:05	E-mail

Requested data

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

Pump

9	Pump Name	DW VOX M 75	Frequency	Hz	50
10	Design	SUBMERSIBLE SEWAGE PUMPS	Installation type		STANDARD
11	Manufacturer	EBARA	Impeller	Max.	mm
12	Speed	rpm	Diameter	Designed	mm
13	No. of Stage	1		Min.	mm
14	Connection Suction side	UNI ISO 228	Flow	Operating	m³/h
15	Connection Discharge side	UNI ISO 228		Max-	m³/h
16	Max Working Pressure	bar		Min-	m³/h
17	Shut-off head	bar	Head	Operating	m
18	Total weight	kg		- (Qmax.)	m
19	Shaft power	kW		- (Qmin.)	m
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 303 (Wet extension)		
25				
26				
27				

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	DW VOX M 75_230_Single Phase	Phases	1~
30	Specific design	Submersible dry type / 50 Hz / Pole pairs 1	Frame size	
31	Rated power	kW	Weight	kg
32	Number of poles	2	Electric voltage	V
33	Speed	rpm	Electric current	A
34	Degree of protection	IP X8		
35				

Remarks

Performance Curve

Pump Name

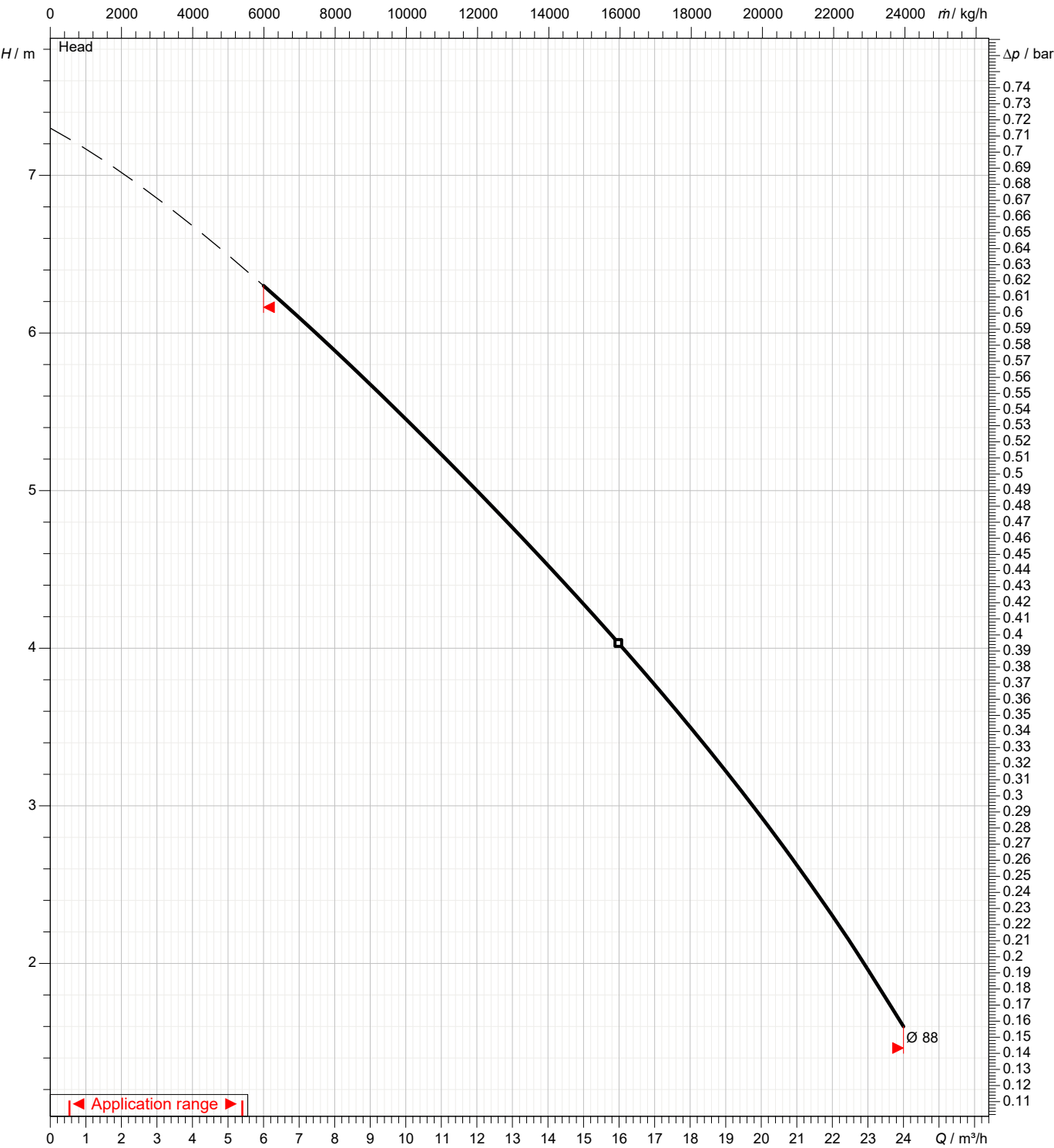
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Requested data			Pump			
1	Flow	m³/h	Operating flow	m³/h	Frequency	Hz
2	Head	m	Operating head	m	Number of poles	2
3	Geodetic head	m	Impeller diameter designed	mm	Speed	rpm
				88		2800

Test standard: ISO 9906:2012 - Grade3B

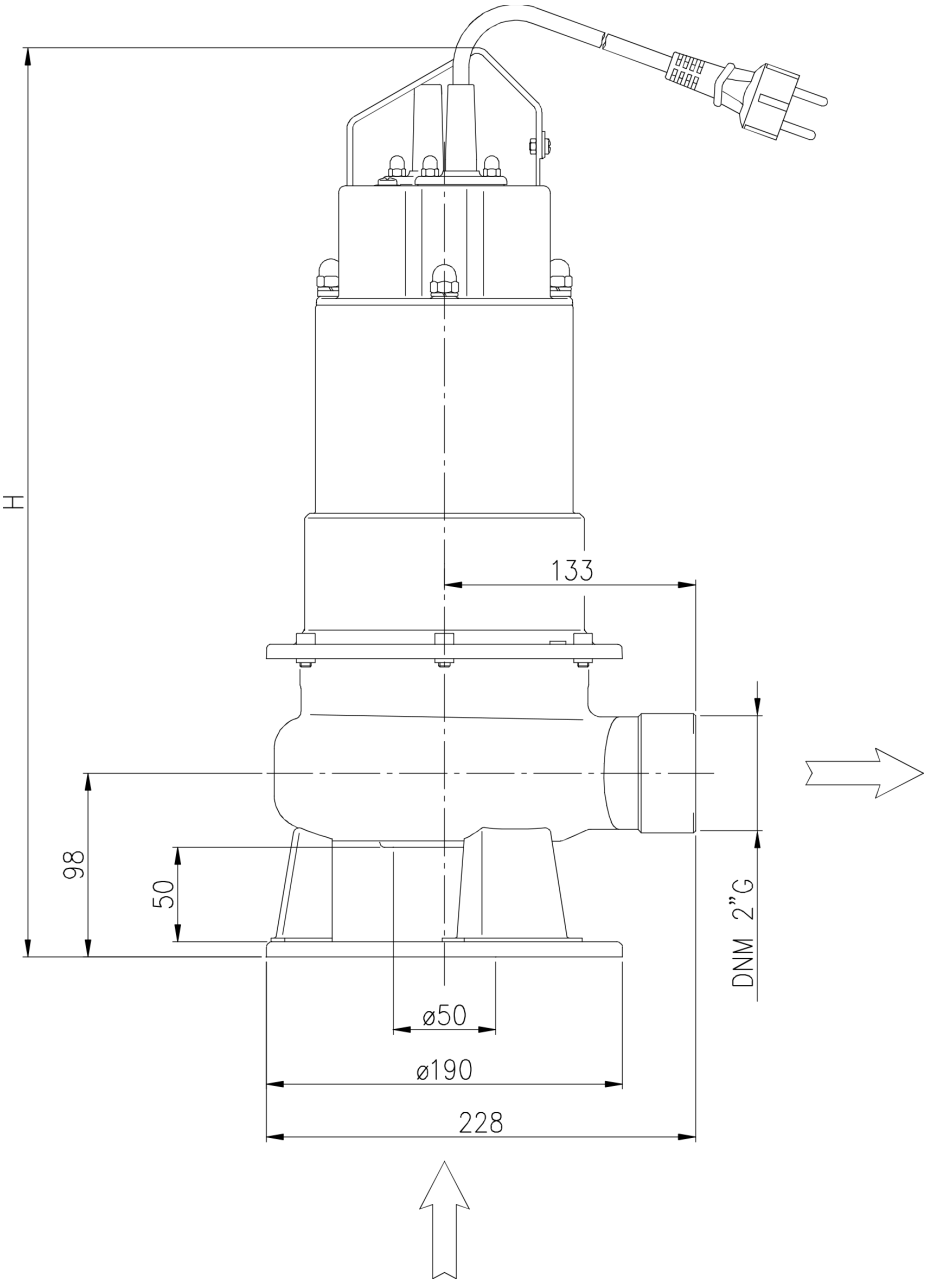
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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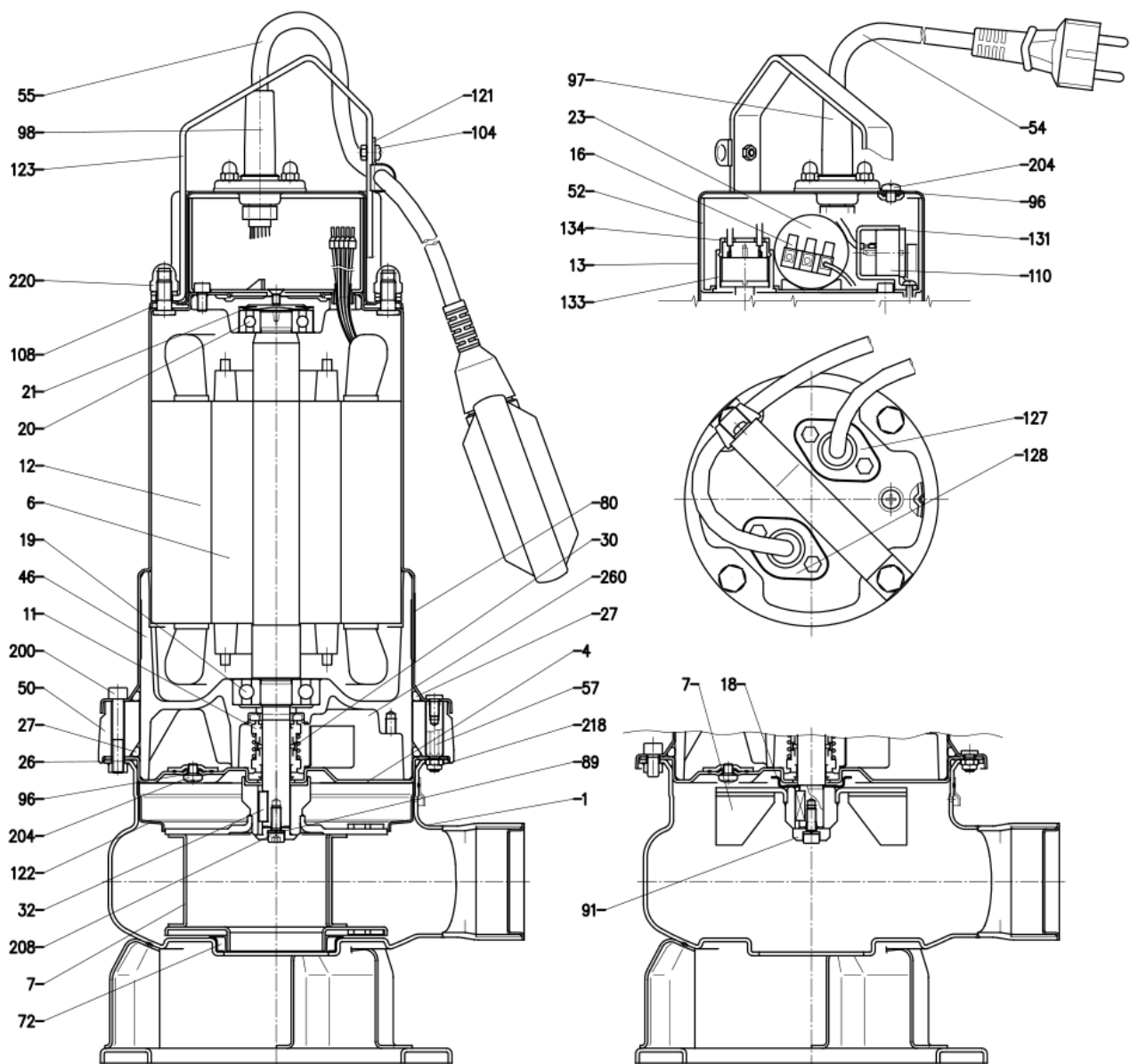


Dimensions in mm							
1	H	486					
2	Weight PUMP	15,4 kg					
3							
4							
5							
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8							
9							
10							
11							
12							
13							
14							
15							

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Construction

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Construction

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N°	PART NAME	MATERIAL	Q.TY
1	Casing	ISI 304	1
4	Casing cover	ISI 304	1
6	Shaft w ith rotor	ISI 303	1
7	Impeller	ISI 304	1
11	Mechanical seal [8]	SiC/SiC/NBR	1
11	Mechanical seal [8]	Carbon/Ceramic/NBR	1
12	Motor frame w ith stator	-	1
13	Motor cover	ISI 304	1
16	Terminal	-	1
18	Mechanical seal protection [1]	ISI 304	1
19	Low er side ball bearing	-	1
20	Upper side ball bearing	-	1
21	Adjusting ring	Steel C70	1
23	Capacitor [2]	-	1
26	O ring	NBR	1
27	O ring	NBR	1
27	O ring [3]	NBR	1
30	Mechanical seal spacer	Brass	1
32	Key	ISI 304	1
46	Bearing housing	G20	1
50	Spacer [3]	G20	1
52	Terminal insulating box	PA66 glass fibre reinforced class V-0	1
54	Pow er cable	-	1
55	Float sw itch [4]	-	1
57	Spacer [3]	ISI 304	4
72	Casing ring [5]	NBR	1
89	Washer	ISI 304	1
91	Washer [1]	ISI 304	1
96	O ring	NBR	3
97	Pow er cable entry	NBR	1
98	Floating sw cable entry [4]	NBR	1
104	Cable guard [4]	NBR	1
108	Cover gasket	NBR	1
110	Protector [2]	-	2
121	Support for float sw itch [4]	ISI 304	1
122	Impeller protection ring [6]	ISI 304	1
123	Handle	ISI 304	1
127	Pow er cable connector	ISI 304	1
128	Floating sw . cable connector	ISI 304	1
131	Support for protector	PA66 glass fibre reinforced	1
133	Support for probe	Aluminium	1
134	Cover for support probe	PA6	1
200	Screw	Stainless steel A2 UNI 7323	6
204	Screw	Stainless steel A2 UNI 7323	3
208	Screw	Stainless steel A2 UNI 7323	1
218	Nut	Stainless steel A2 UNI 7323	4
220	Nut	Stainless steel A2 UNI 7323	4
260	Lubricating liquid	White mineral oil	348 cc

- [1] Except for DW-DW VOX 300
- [2] Only for single phase
- [3] Only for DW-DW VOX 300
- [4] Only for single phase with float switch
- [5] Only for DW
- [6] Except for DW VOX 150, 200 and 300
- [7] Only for single phase DW 150
- [8] See CONSTRUCTION 3

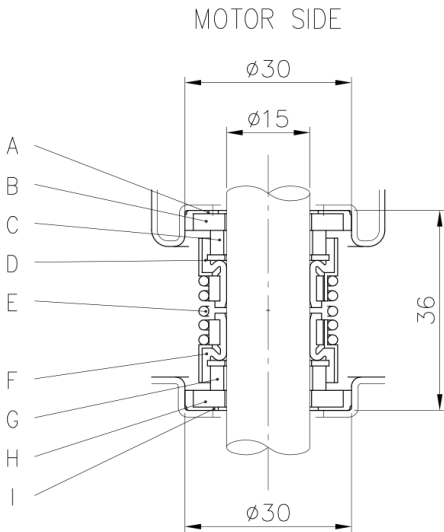
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IMPELLER SIDE

REF	PART NAME	MATERIAL
A	Rubber cup	NBR
B	Seat	Ceramic
C	Seal face	Carbon
D	Bellow	NBR
E	Spring	AISI 304
F	Bellow	NBR
G	Seal face	Silicon carbide
H	Seat	Silicon carbide
I	Rubber cup	NBR