

Technical Data

Pump Name

300 DL 515

Customer	Date	2024-06-13	Company
Contact	Item no.		Issued by
Phone	Project		Phone
E-mail	Project ID	Proiect redenumit 2024-06-13 13:12:02	E-mail

Requested data

1	Pump type	SUBMERSIBLE SEWAGE PUMP-Non-clog	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	300 DL 515	Frequency Hz	50
10	Design	SUBMERSIBLE SEWAGE PUMP-Non-clog	Installation type	STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm 256
12	Speed rpm	1450		Designed mm 256
13	No. of Stage	1		Min. mm 256
14	Connection Suction side		Flow	Operating m³/h
15	Connection Discharge side	JIS 10K		Max- m³/h 660
16	Max Working Pressure bar			Min- m³/h 360
17	Shut-off head bar	1.19	Head	Operating m
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m 4.2
19	Shaft power kW			- (Qmin.) m 8.0
20			Max. Shaft Power at max. impeller kW	13.11
21	Required pump NPSH m		Efficiency %	

Materials

22	Casing	FC200	Mechanical seal (Lower)	SiC/SiC
23	Suction Cover	FC200	Lubricating Oil	Turbine Oil VG32
24	Impeller	FC200		
25	Shaft	SUS403		
26	Motor frame	FC150		
27	Mechanical seal (Upper)	Carbon/Ceramic		

Motor

28	Manufacturer	--	Insulation class	F
29	Type	DL 515_380_Three phase	Phases	3~
30	Specific design	Submersible dry type / 50 Hz / Pole pairs 2	Frame size	
31	Rated power kW	15	Weight kg	
32	Number of poles	4	Electric voltage V	380
33	Speed rpm	1450	Electric current A	30
34	Degree of protection	IP68		
35				

Remarks

Performance Curve

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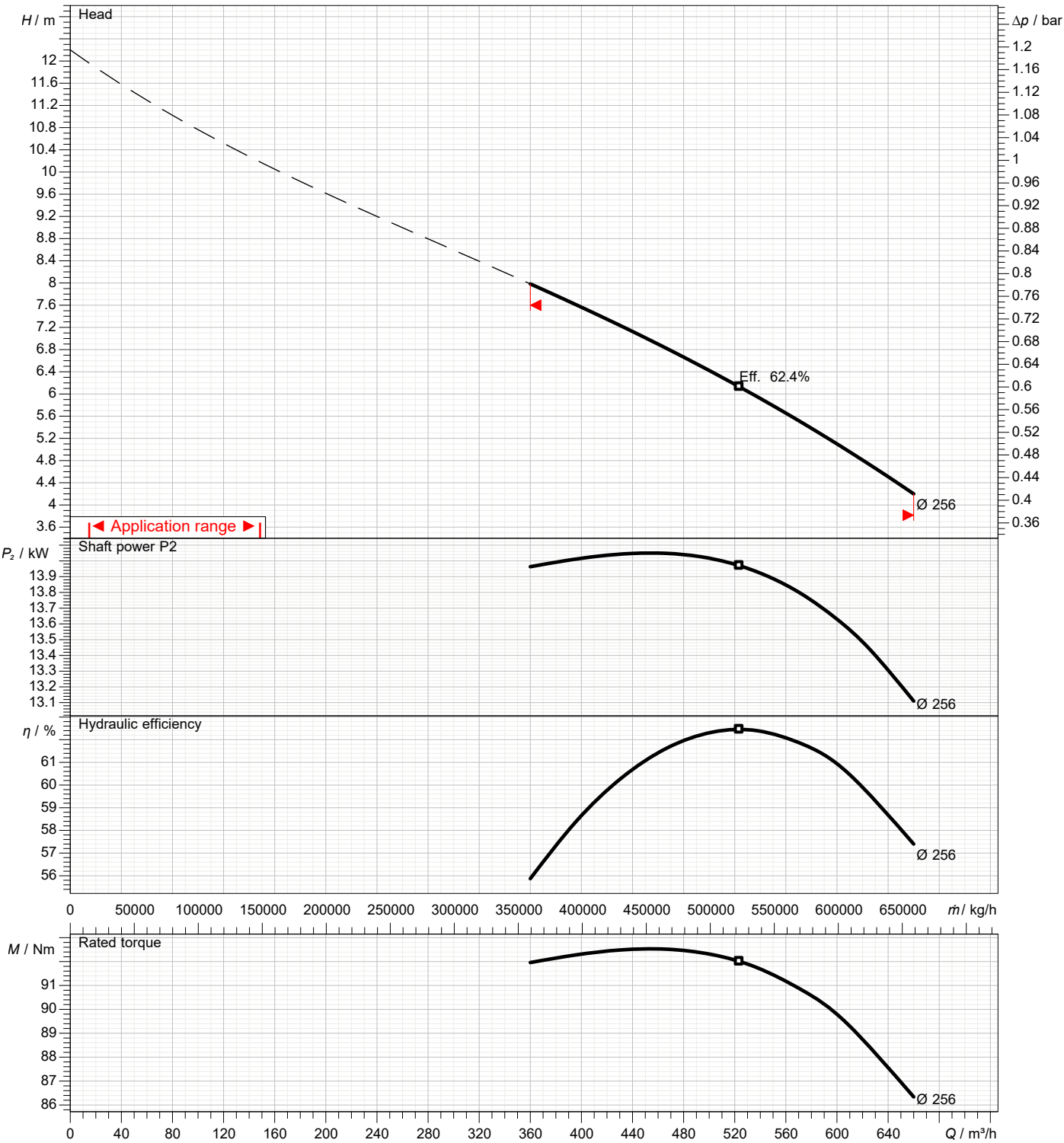
1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating flow	m³/h		Frequency	Hz	50
Operating head	m		Number of poles		4
Impeller diameter designed	mm	256	Speed	rpm	1450

Test standard: ISO 9906:2012 - Grade3B

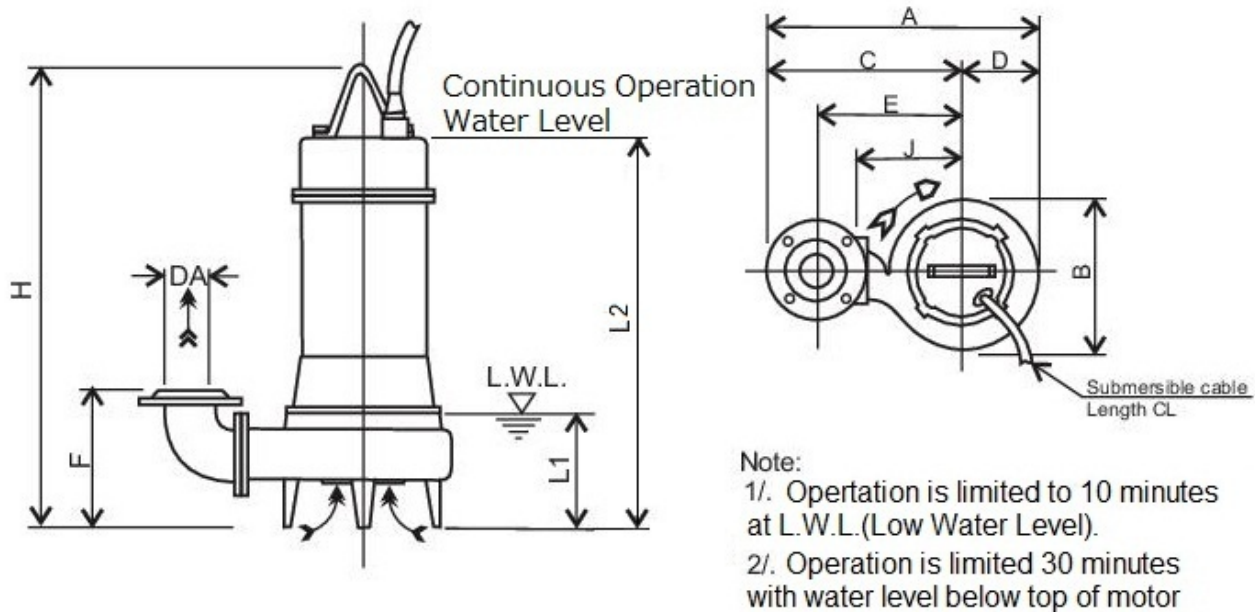
Water; 20°C; 998.3kg/m³; 1mm²/s



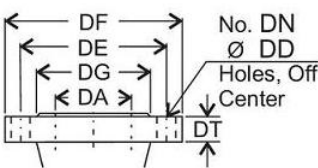
Dimensions

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Discharge Flange Dimensions (JIS 10kgf/cm²)

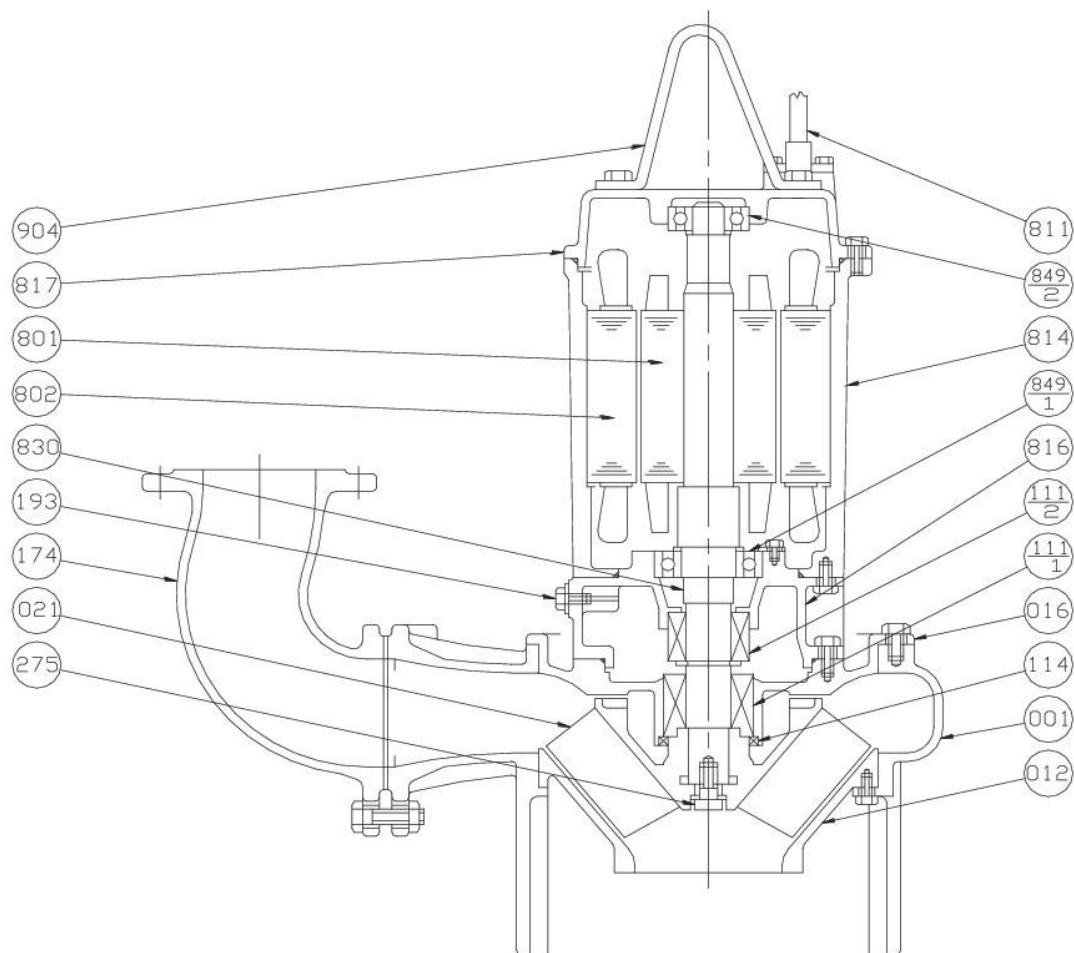


Pump dimensions				mm		Suction side	mm	Discharge side	mm
A	1100							DA	300
B	588							DD	25
C	798							DE	400
CL	10m							DF	445
D	302							DG	368
E	575							DN Num	16 (Num)
F	671							DT	32
H	1131								
J	420								
L1	450								
L2	971								

Construction

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*: 2 FOR POWER AND 1 FOR CONTROL CABLE (THERMAL PROTECTOR)

Item Number	Description	Material	Quantity per unit
001	Pump Casing	FC200 Cast iron	1
012	Suction Cover	FC200 Cast Iron	1
016	Mechanical Seal Cover	FC200 Cast iron	1
021	Impeller	FC200 Cast iron	1
111-1	Mechanical Seal		1
111-2	Mechanical Seal		1
114	Oil Seal	NBR Rubber	1
174	Discharge Bend	FC200 Cast iron	1
193	Oil Plug	C3604 or SUS304 Brass or 304 Stainless Steel	1
275	Impeller Bolt	SUS304 Stainless Steel	1

Item Number	Description	Material	Quantity per unit
801	Rotor		1
802	Stator		1
811	Submersible Cable		3 *
814	Motor Frame	FC150 Cast Iron	1
816	Power Side Bracket	FC150 Cast Iron	1
817	Opposite Side Bracket	FC150 Cast Iron	1
830	Shaft	SUS403 Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
904	Lifting Hanger	SS Steel	1