

LIGHTWEIGHT
SUBMERSIBLE DEWATERING PUMP

HYDRO FORCE - 100 - T

DW0750T0011
SERIES 50HZ



HYDRO FORCE - 100 - T

Light Weight Submersible Dewatering Pump

50 HZ

POWER: 10HP (7.5kW)

MAX HEAD: 29 meters

MAX FLOW: 2250 lpm



DW0750T0011

Features

- Closed impeller design made of High Chrome Steel
- High resistance to abrasive liquids
- Stainless Steel outer casing & strainer
- EKK Eagle Burgmann double mechanical seal CA/CE & SIC/SIC
- Heat Treated Stainless Steel Shaft in AISI 410/420
- Efficient circumferential cooling for continuous duty

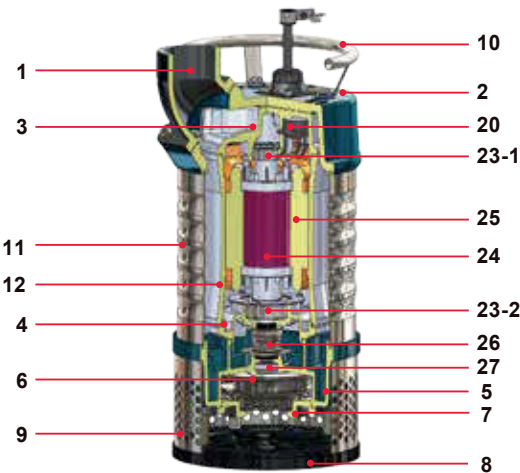
Parts and Material List

No.	Part	Material
1	Discharge	AISI7Mg
2	Upper Cover	AISI7Mg
3	Motor Cover	AISI7Mg
4	Lower Bearing Bracket	EN-GJL-200
5	Pump Casing	EN-GJL-200 (10HP) ; EN-GJS-700 (15~20HP)
6	Impeller	High Chrome Steel
7	Suction Plate	EN-GJS-700 (10HP)
7-1	Seal Housing	AISI7Mg / NBR (15~20HP)
8	Base Plate	AISI7Mg
9	Strainer	AISI 304
10	Handle	AISI 304
11	Outer Casing	AISI 304
12	Motor Frame	AISI7Mg
20	Protector	YAMADA
23-1	Upper Bearing	NTN/TPI
23-2	Lower Bearing	NTN/TPI
24	Rotor and Shaft	AISI 410 (10HP) ; AISI 420 (15~20HP)
25	Stator	-
26	Mechanical Seal	Upper:CA/CE
		Lower:SIC/SIC
27	Lip Seal	NBR

TPI is a family brand of NTN group.

Applications

- Site drainage, mining, tunneling, public works, floods
- Cement industry, river intake, civil engineering projects



HYDRO FORCE - 100 - T



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High Chrome Steel closed Impeller



Expelling solid design on the back of the impeller

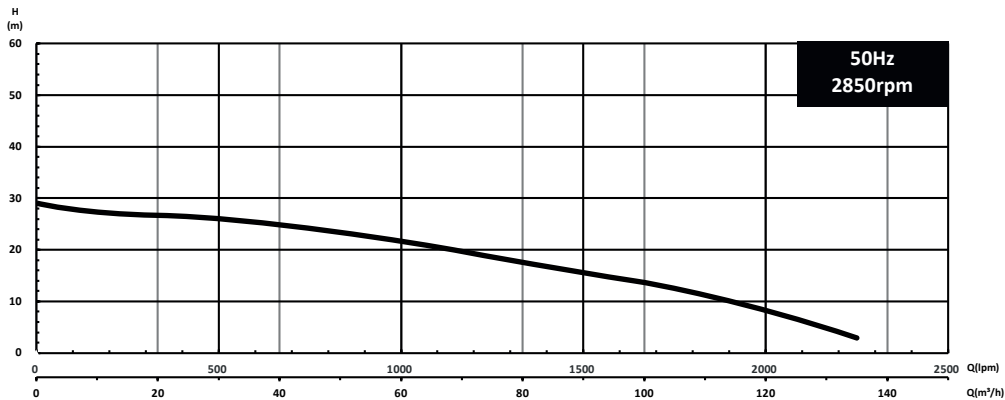
Specifications

ITEM		DESCRIPTION
LIMITS OF USE	Liquid Temp.	0~40°C(32~104°F)
	Application	As suggested application page 1
TYPE	Frequency	50Hz
	Motor	2P (2850RPM) . Dry Motor
	Insulation	10HP : Class F ; 15~20HP : Class H
	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mech. Seal	Double Mechanical Seal
	Impeller	Closed Impeller
MATERIAL	Motor Cover	AlSi7Mg
	Motor Housing + Stator	AlSi7Mg
	Shaft with Rotor	10HP : AISI 410 ; 15~20HP : AISI 420
	Mech. Seal	Upper : CA / CE ; Lower : SIC / SIC
	Pump Casing	10HP : EN-GJL-200 ; 15~20HP : EN-GJS-700
	Impeller	High Chrome Steel
	Cable	H07RN-F / STOW

Data Chart

MODEL	OUTPUT		DISCHARGE	PHASE	3Ø			RATED		MAXIMUM		FREE PASSAGE	WEIGHT W/O CABLE
	HP	kW	Inch	FULL LOAD AMPERAGE	380V	400V	415V	m	lpm	m	lpm	mm	3Ø-kg
DW0750T0007	10	7.5	6"		17A	16A	15.8A	15	1550	29	2250	10	70

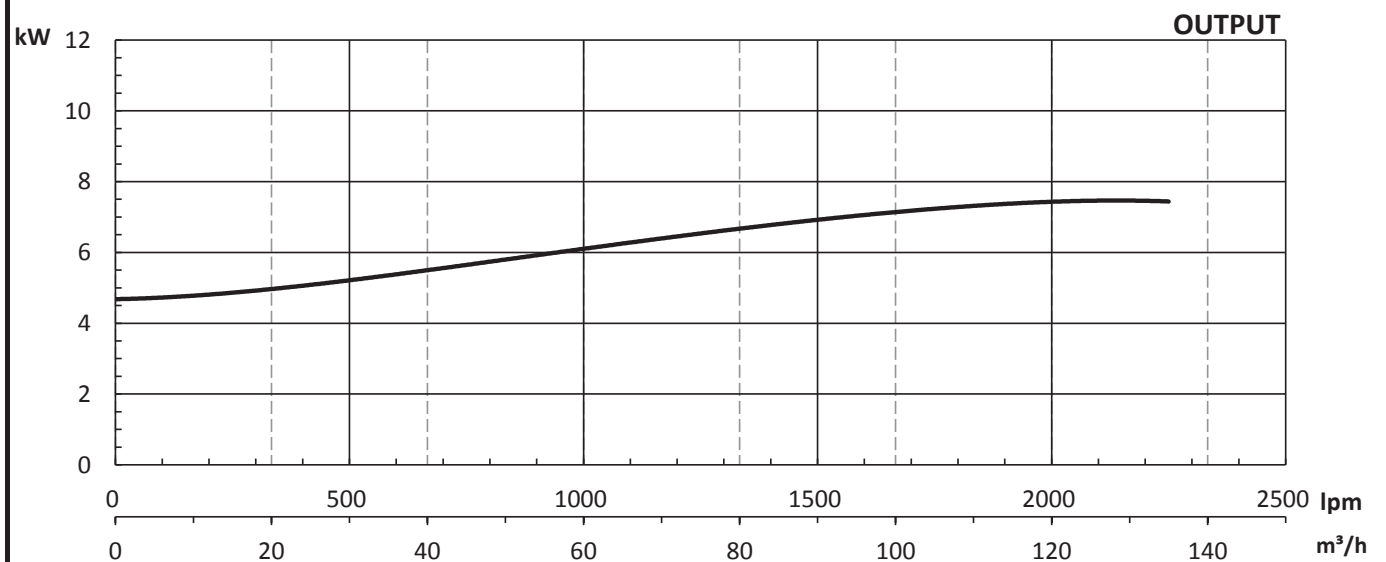
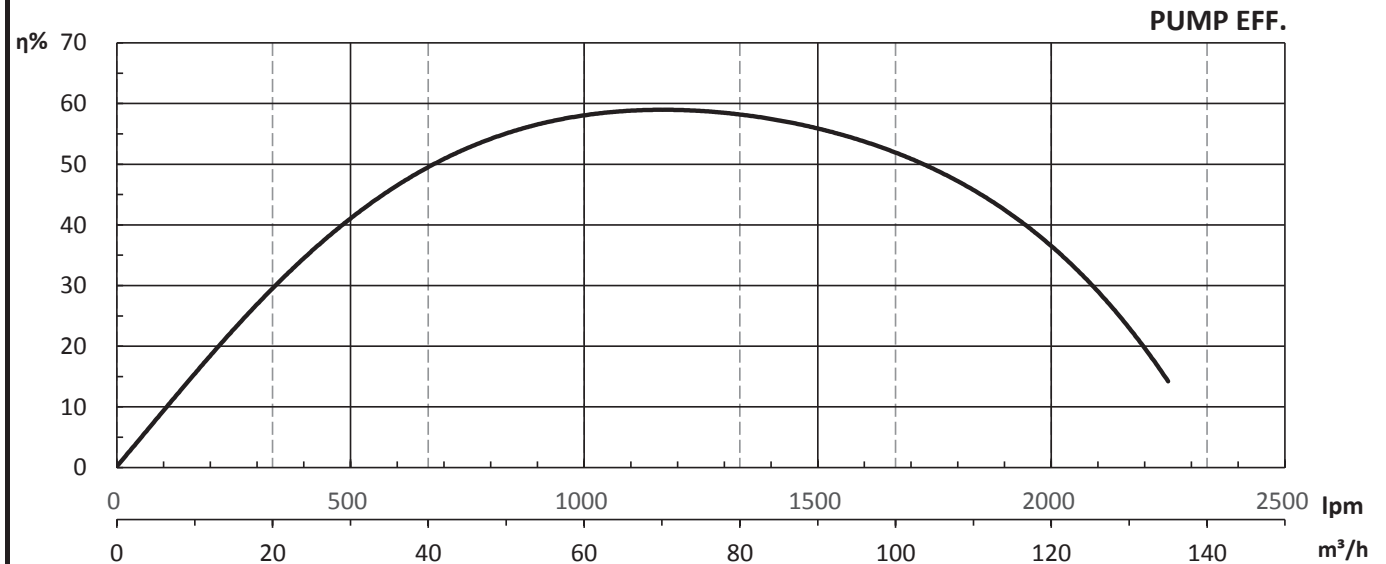
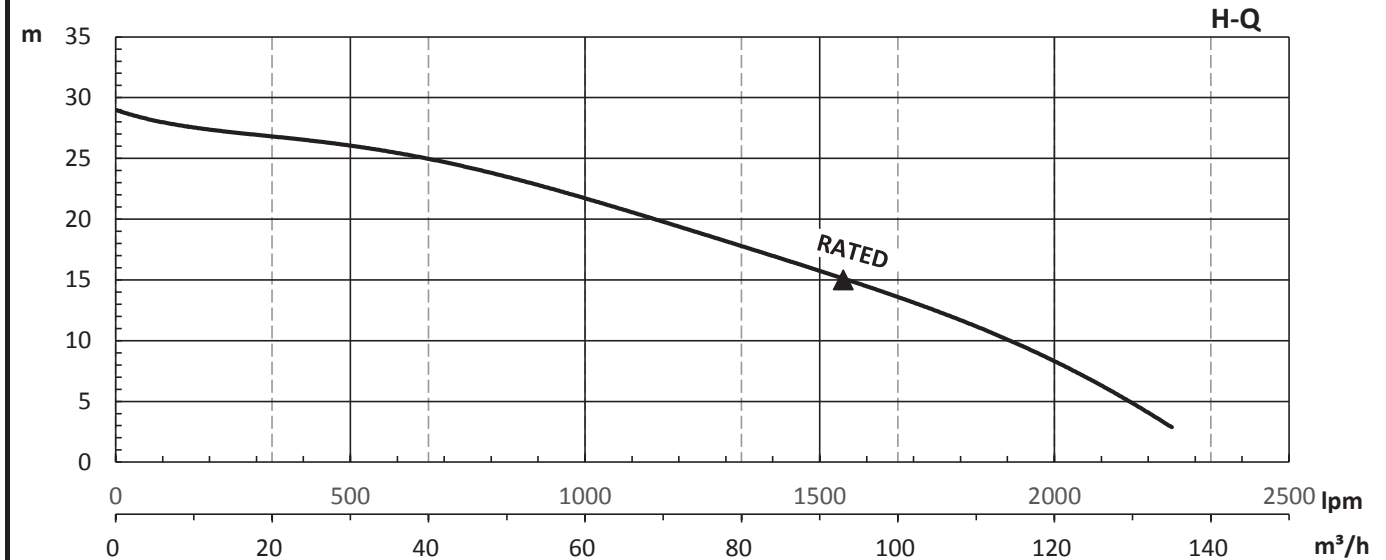
Performance Curve



MODEL	OUTPUT		DISCHARGE	Q(lpm)	0	500	1000	1500	2250	Q(m³/h)	0	20	60	100	135
	HP	kW	Inch												
DW0750T0011	10	7.5	6"	H(m)	29	26	21.7	15.7	2.9	H(m)	29.0	26.8	21.7	13.5	2.9

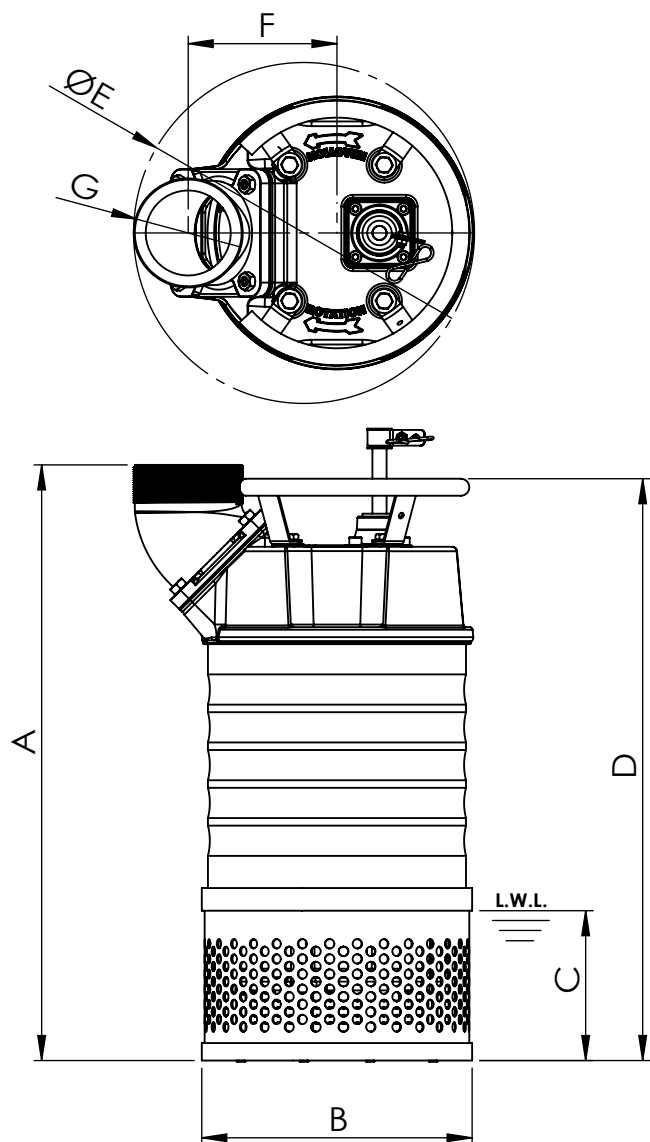
PUMP PERFORMANCE REPORT

MODEL	DW0750T0011					RATED	
FREQUENCY	50 HZ				HEAD	15	m
DISCHARGE	6 Inch / 150 mm				CAPACITY	1550	lpm
OUTPUT	10 HP / 7.5 kW				POLE / RPM	2P / 2850	RPM
PHASE/VOLTAGE	3 ϕ	380V	400V	415V	START METHOD	DIRECT ON LINE	
F.L.A.	A	17	16	15.8	INSULATION CLASS	F	CLASS

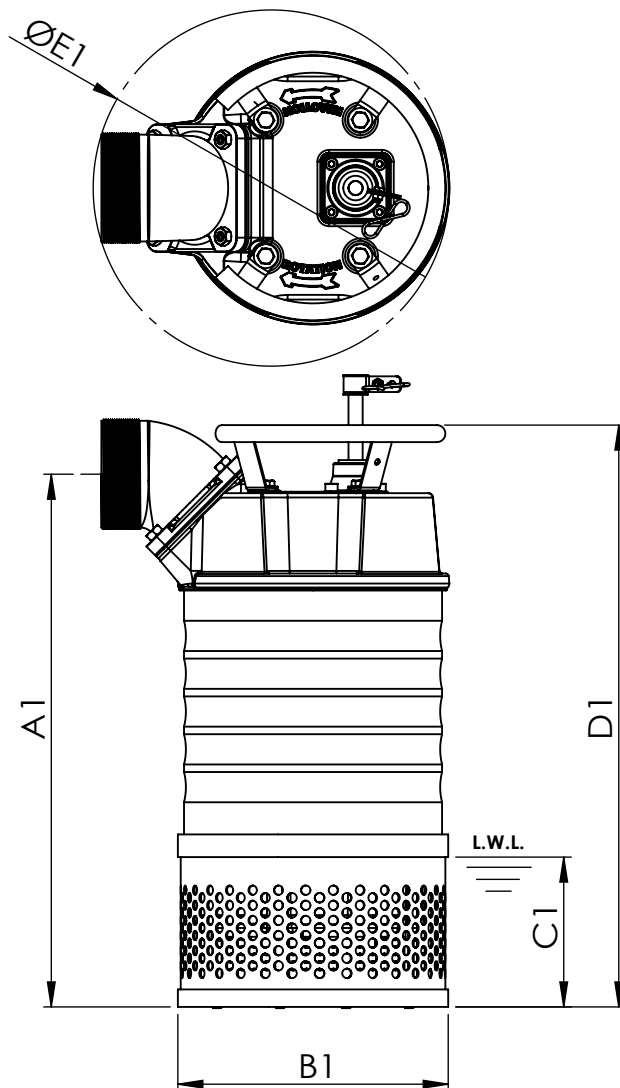


DIMENSIONAL DRAWING

MODELS : DW0750T0011



VERTICAL DISCHARGE MODE



HORIZONTAL DISCHARGE MODE

DIMENSION : mm
WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

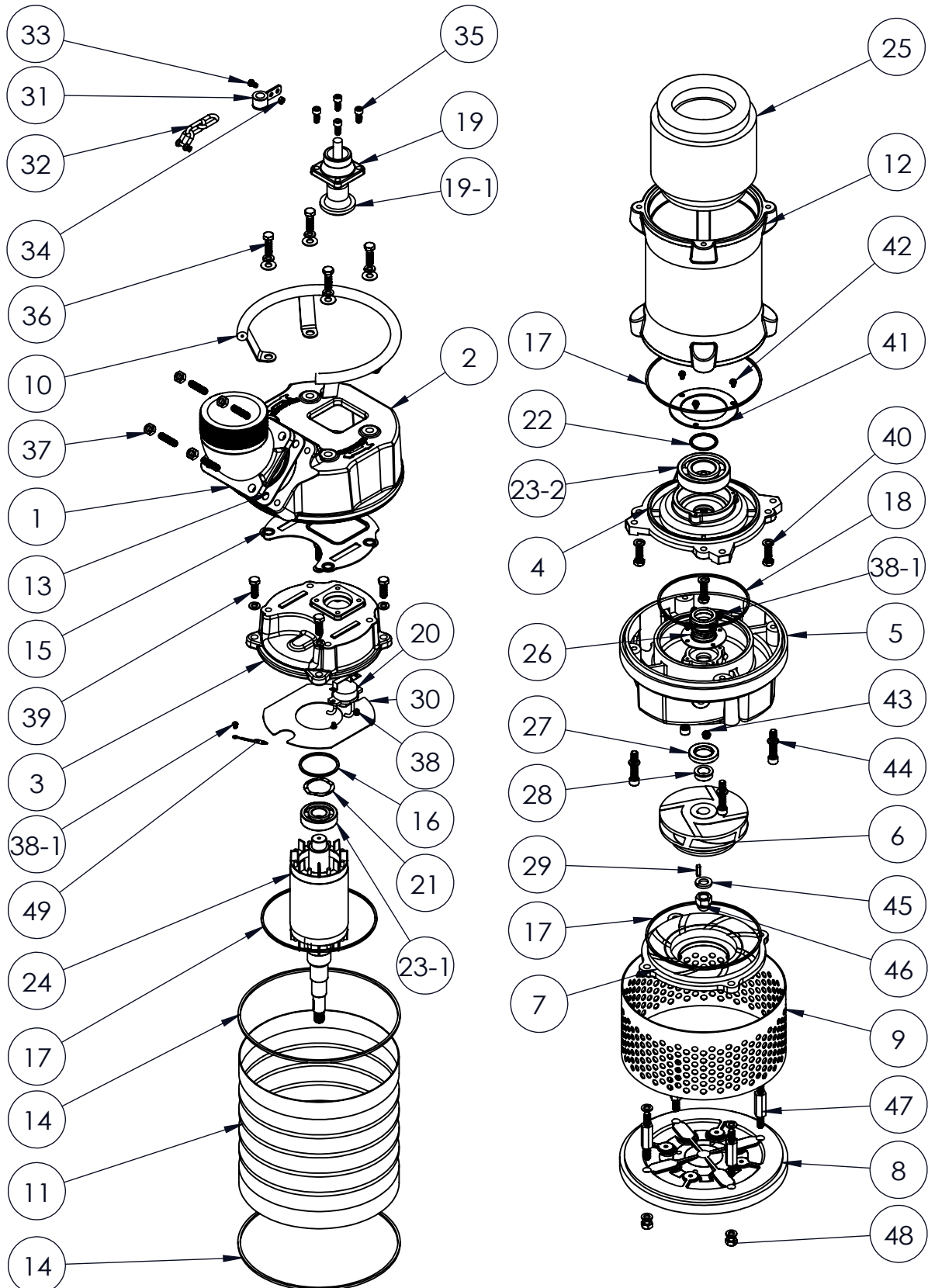
MODEL	VERTICAL DISCHARGE MODE							HORIZONTAL DISCHARGE MODE					WT
	A	B	C	D	E	F	G	A1	B1	C1	D1	E1	
DW0750T0011	637	286	159	616	390	173	6"	579	286	159	616	389	70

L.W.L.:Lowest Running Water Level

WT: Weight without cable

ASSEMBLY VIEW

MODEL: DW0750T0011



PARTS LIST

MODEL: DW075T0011

No	Part	Material	No	Part	Material
1	Discharge 4"/6"	AlSi7Mg	26	Mechanical Seal	Top: CA/CE Bot: SIC/SIC
2	Upper Cover	AlSi7Mg	27	Lip Seal	NBR
3	Motor Cover	AlSi7Mg	28	Shaft sleeve	AlSi304
4	Lower bearing bracket	EN-GJL-200	29	Key	AlSi304
5	Pump Casing	EN-GJL-200	30	Insulation sheet	Bakelite
6	Impeller 4"/6"	High Chrome Steel	31	Cable clamp	AlSi304/NBR
7	Suction plate	EN-GJL-200	32	Shacke / chain	AlSi304/SC
8	Base plate	AlSi7Mg	33	Hex bolt	AlSi304
9	Strainer	AlSi304	34	Hex nut	AlSi304
10	Handle	AlSi304	35	Socket screw	AlSi304
11	Outer Casing	AlSi304	36	Hex bolt / spring washer / flat washer	AlSi304
12	Motor Frame	AlSi7Mg	37	Headless socket screw / hex nut	AlSi304
13	Discharge gasket	NBR	38	Phillips screw	SC
14	Outer casing gasket	NBR	38-1	Phillips screw	SC
15	Upper cover gasket	NBR	39	Hex bolt / spring washer	AlSi304
16	O-ring	NBR	40	Hex bolt / spring washer	AlSi304
17	O-ring	NBR	41	Bearing holder	SC
18	O-ring	NBR	42	Hex bolt	SC
19	Gland holder	AlSi7Mg	43	Oil Plug (headless socket screw)	AlSi304
19-1	Cable	STOW/H07RN-F	44	Socket screw / spring washer	AlSi304
20	Protector	YAMADA	45	Spring washer	AlSi304
21	Wave washer	SC	46	Cap hex nut	AlSi304
22	Flat washer	SC	47	Double end stud bolt / spring washer	AlSi304
23-1	Upper bearing	NTN/TPI	48	Spring washer / hex nut	AlSi304
23-2	Lower bearing	NTN/TPI	49	Ground lead	-
24	Shaft and rotor	AlSi410	50	R-32 lubricant - 800cc	-
25	Stator	-			

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