

HYDROFORCE 150T

SUBMERSIBLE DEWATERING PUMP

DW1100T00008



HYDROFORCE 150T

This pump is designed to deliver maximum efficiency and durability when handling fluids containing abrasive particles. The closed impeller made of high-chrome steel ensures long service life and consistent performance even in the most demanding conditions.

The stainless steel outer casing, complete with intake strainer, protects internal components from mechanical damage and corrosion, while the EKK Eagle Burgmann double mechanical seal system (CA/CE and SIC/SIC) provides optimal protection against leakage.

The heat-treated AISI 410/420 stainless steel shaft and the high-efficiency circumferential cooling system allow for continuous operation, minimizing wear and ensuring long-term reliability.



15HP (7.5kW)
POWER



50 meters
MAX HEAD



1800 lpm
MAX FLOW

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



Applications

- Site drainage
- Mining and Tunneling
- Public Works
- Floods
- Cement Industry
- River Intake
- Civil Engineering Projects



Specifications

ITEM		DESCRIPTION
LIMIT OF USE	Liquid Temp.	0-40°C (32-104°F)
	Application	As suggested
TYPE	Frequency	50 Hz
	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 Casins	10HP : EN-GJL-200 ; 15~20HP : EN-GJS-700
	Impeller	High Chrome Steel
	Cable	H07RN-F / STOW



High Chrome Steel
closed Impeller



Expelling solid
design on the back
of the Impeller

Data Chart

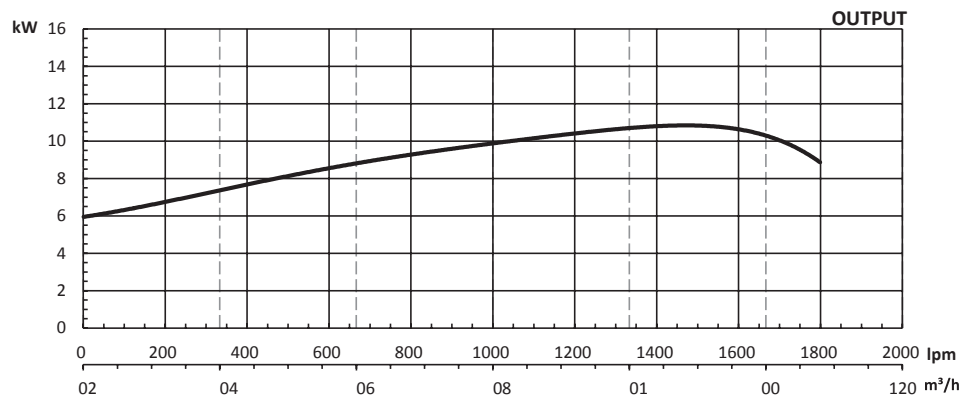
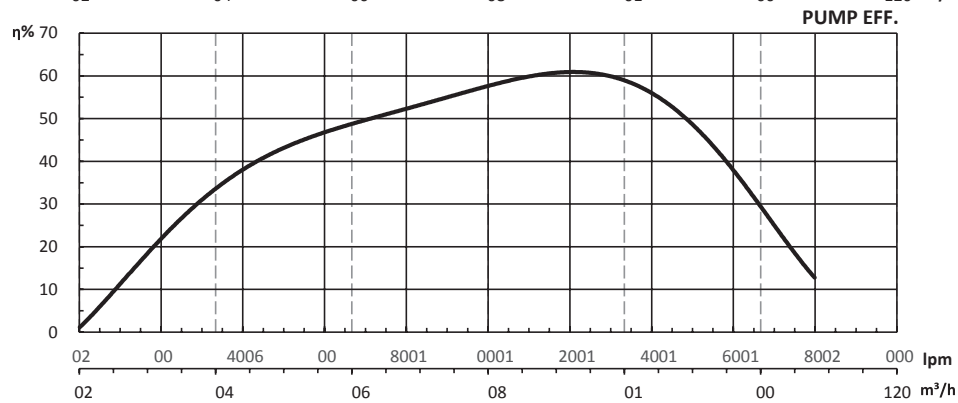
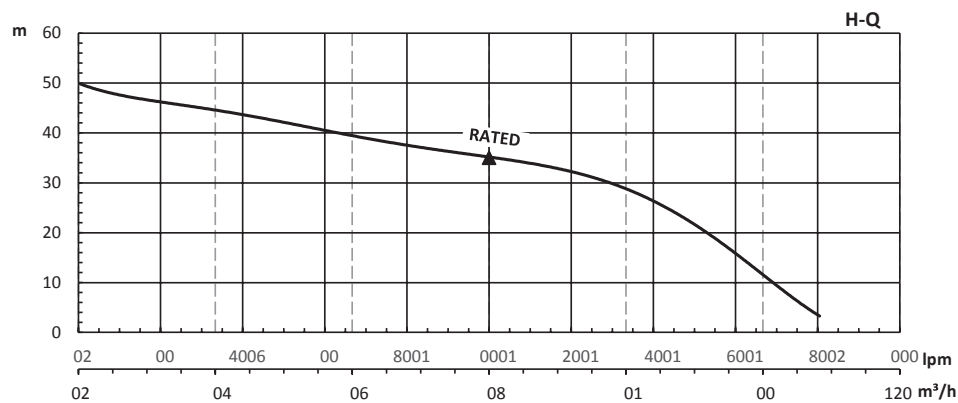
MODEL	OUTPUT		DISCHARGE	PHASE	3Ø			RATED		MAXIMUM		FREE PASSAGE	WEIGHT W/O CABLE
	HP	KW	Inch	FULL LOAD AMPERAGE	380V	400V	415V	m	lpm	m	lpm	mm	3Ø-kg
HYDROFORCE 150T	15	11	4"		23A	22A	22A	35	1000	50	1800	10	104

HYDROFORCE 150T

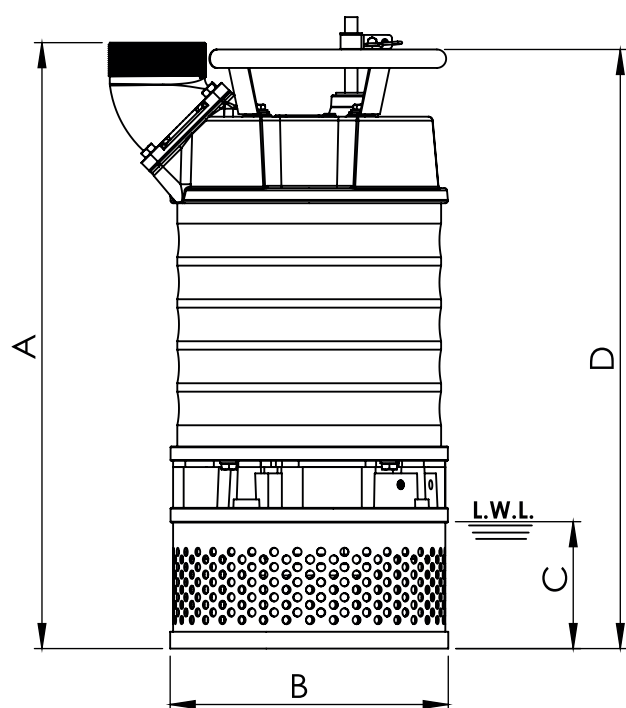
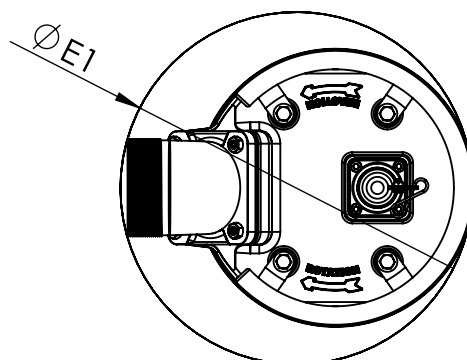
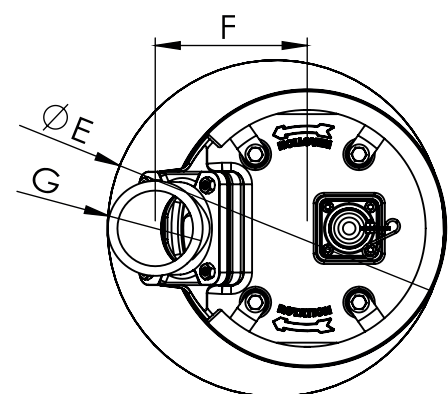
Pump Performance Report

MODEL	HYDROFORCE 150T				RATED	
FREQUENCY	50 HZ				HEAD	35 m
DISCHARGE	4 Inch / 100 mm				CAPACITY	1000 lpm
OUTPUT	15 HP / 11 kW				POLE / RPM	2P / 2850 RPM
PHASE / VOL-TAGE	3ø	380V	400V	415V	START METHOD	DIRECT ON LINE
F.L.A.	A	23	22	22	INSULATION CLASS	H CLASS

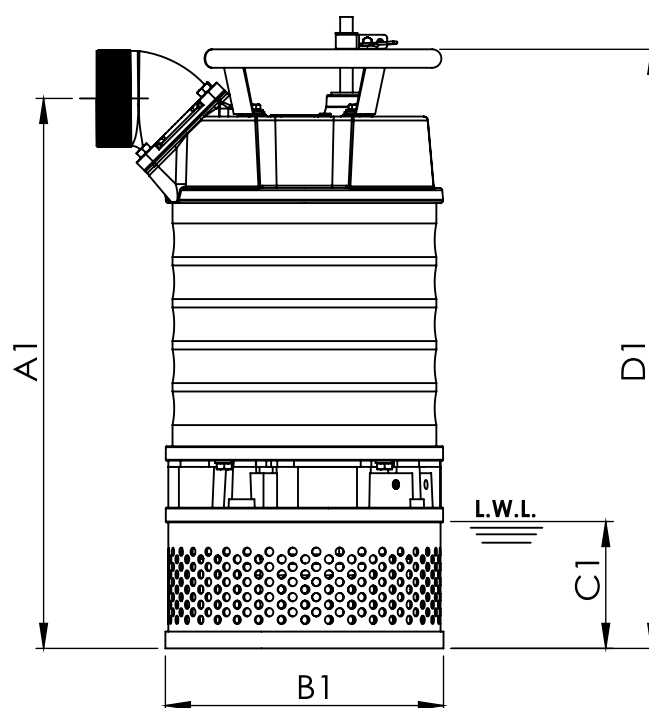
OUTPUT		DISCHARGE	Q(lpm)	O	500	1000	1500	2250	Q(m³/h)	O	20	60	100	135
HP	kW	Inch												
15	11	4"	H(m)	49.5	42	35	21.5	-	H(m)	49.5	44.5	35	11.3	-



Dimensional Drawing



VERTICAL DISCHARGE MODE

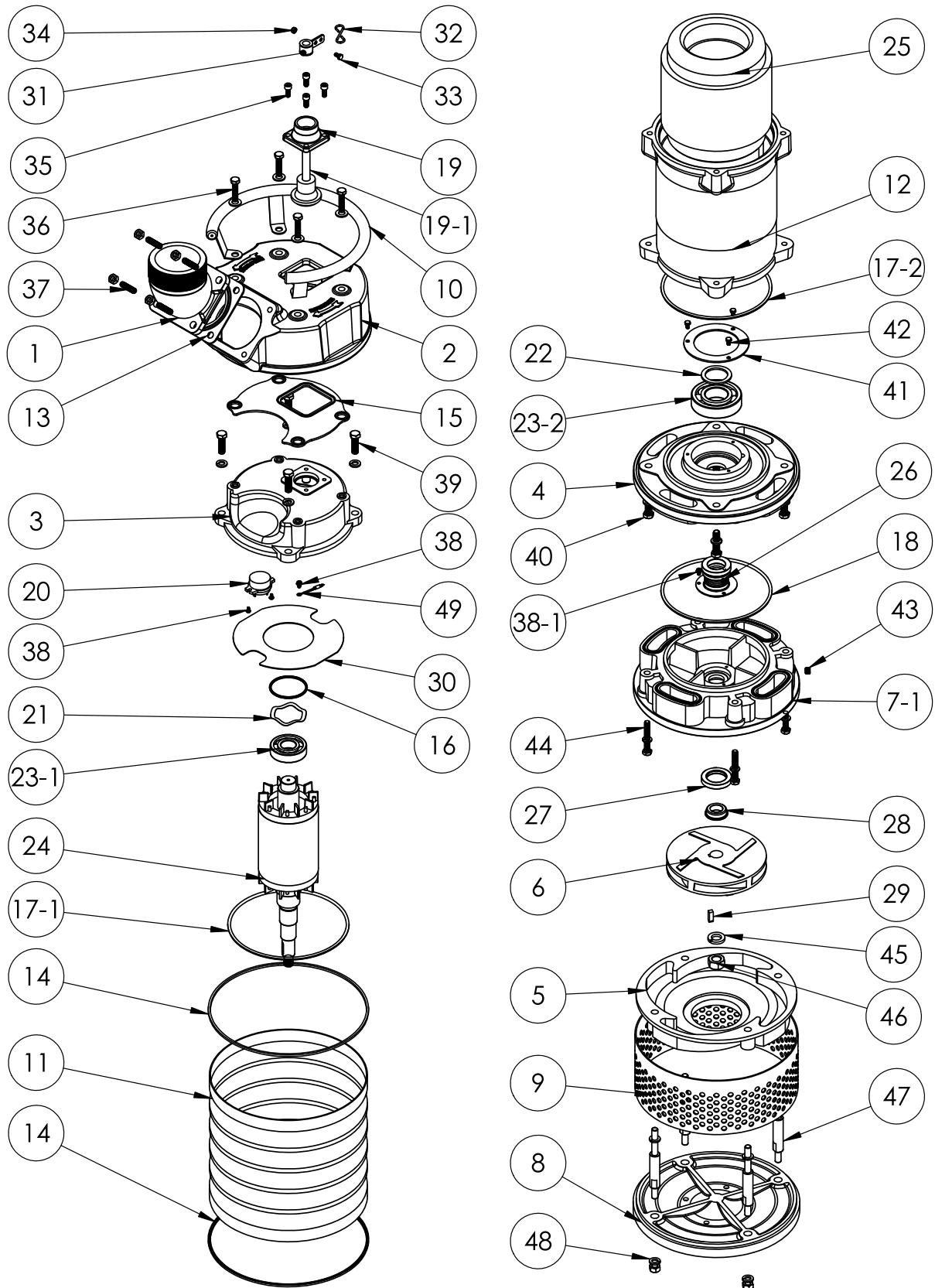


HORIZONTAL DISCHARGE MODE

MODEL	VERTICAL DISCHARGE MODE							HORIZONTAL DISCHARGE MODE					WT
	A	B	C	D	E	F	G	A1	B1	C1	D1	E1	
HF 150T	721	286	151	712	403	181	4"	655	286	151	712	420	104

HYDROFORCE 150T

Assembly View



Parts List

No	Part	Material	No	Part	Material
1	Discharge 4"	AlSi7Mg	25	Stator	-
2	Upper Cover	AlSi7Mg	26	Mechanical Seal	Top: CA / CE Bot: SIC / SIC
3	Motor Cover	AlSi7Mg	27	Lip Seal	NBR
4	Lower Bearing Bracket	EN-GJL-200	28	Shaft Sleeve	AISI304
5	Pump Casing	EN-GJL-700	29	Key	AISI304
6	Impeller	High Chrome Steel	30	Insulation Sheet	Bakelite
7-1	Seal Housing	AlSi7Mg / NBR	31	Cable Clamp	AISI304 / NBR
8	Base Plate	AlSi7Mg	32	Cable Clamp Hanger	AISI304
9	Strainer	AISI304	33	Hex Bolt	AISI304
10	Handle	AISI304	34	Hex Nut	AISI304
11	Outer Casing	AISI304	35	Socket Screw	AISI304
12	Motor Frame	AlSi7Mg	36	Hex Bolt / Flat Washer	AISI304
13	Discharge Gasket	NBR	37	Headless Socket Screw / Hex Nut	AISI304
14	Outer Casing Gasket	NBR	38	Phillips Screw	SC
15	Upper Cover Gasket	NBR	38-1	Phillips Screw	SC
16	O-Ring	NBR	39	Hex Bolt / Spring Washer	AISI304
17-1	O-Ring	NBR	40	Hex Bolt / Spring Washer	AISI304
17-2	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)	AISI304
19-1	Cable	STOW / H07RN-F	44	Hex Bolt / Spring Washer	AISI304
20	Protector	YAMADA	45	Spring Washer	AISI304
21	Wave Washer	SC	46	Cap Hex Nut	AISI304
22	Flat Washer	SC	47	Double End Stud Bolt / Spring Washer	AISI304
23-1	Upper Bearing	NTN/TPI	48	Spring Washer / Hex Nut	AISI304
23-2	Lower Bearing	NTN/TPI	49	Ground Lead	-
24	Shaft and Rotor	AISI420	50		

