



ROBUST

75kW-90kW-110kW-140kW

Max Head: 375 Mtr / 1200 Ft.
Max Flow: 200m³/hr/900 GPM



500V-580V-400V-380V DELTA 50HZ
1000V-50HZ-Y & 460V-60HZ

380/400/415/440/500/525/550/1000 Volt

INDRA HYDRO TECH PUMPS PVT LTD

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Additional Protection

1. Temperature Sensor - Bearing & Motor
2. Moisture Sensor - Mechanical Seal
3. IE3 Energy Efficient Motors

Product Features

1. Locate the pump anytime at any place
2. Monitor the pump parameters
3. Remote control operation (start-stop-setting speed)
4. Easy service kits
5. Reduce the down town time(30 minutes with replaceable with hydraulics or electrical motor
6. Access the motor running time for rental applications

Control Panel

1. ABB VFD based system
2. Temperature relay (motor and the bearing) for auto cut off
3. Warrick moisture sensor cum relay

Material of Construction

- All wet parts SG 500/7-options SS316
2. Impeller 316L- Option High Chrome 27% (High wear resistance)
 3. Dual class winding
 4. HO7RNF - cable (20mts)
 5. 8 wire data cable
 6. Twin Mechanical Seal (Tungsten Carbide)
 7. Stainless Steel Mesh (316)

ROBUST

RBT-1406

RBT-1106

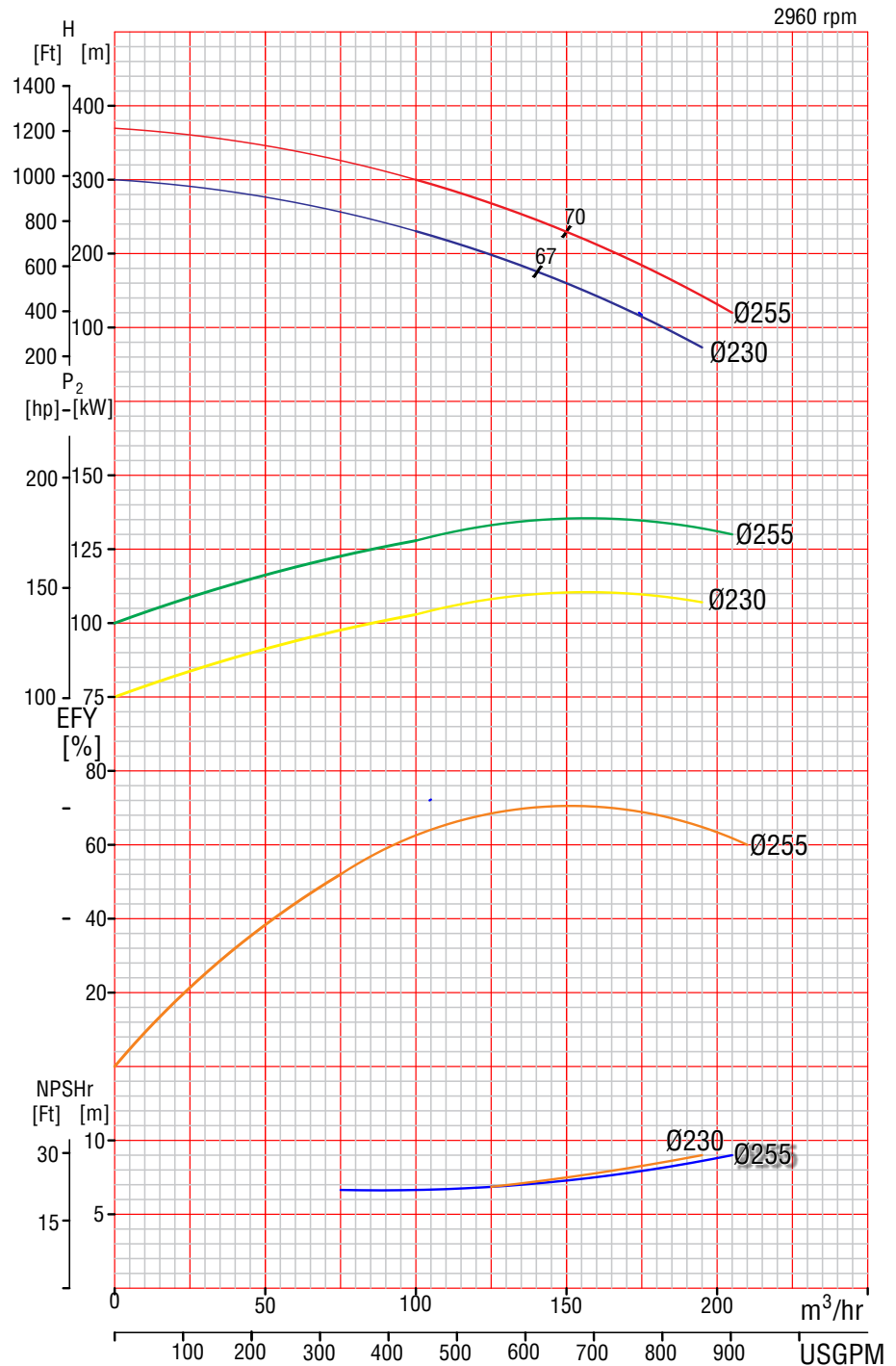
Max Head: 375 Mtr / 1200 Ft.
Max Flow: 200m³/hr/900 GPM



Predicted Performance Curve
Performance subjected to ISO 9906 Gr 3b 2012
4 stage Performance Curve
Minimum and maximum number of stages - 2 & 4

Trim only vanes not shrouds
Performance based on clear cold water at 25 degrees
Recommended motor for 255 dia - 140 kw and 230 dia - 110 kw
Handle slurry up to 1.1 sp. gravity with slurry
corrections for head and efficiency

MODEL- RBT-1406 / RBT-1106 - 4 Stage

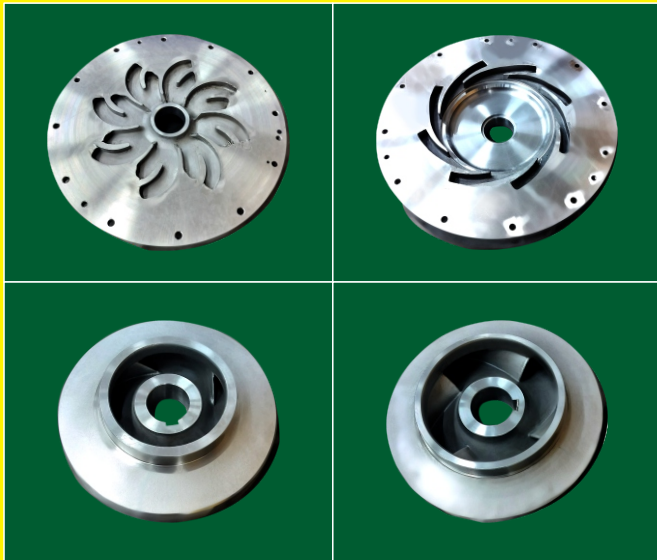


ROBUST

RBT-9006

RBT-7506

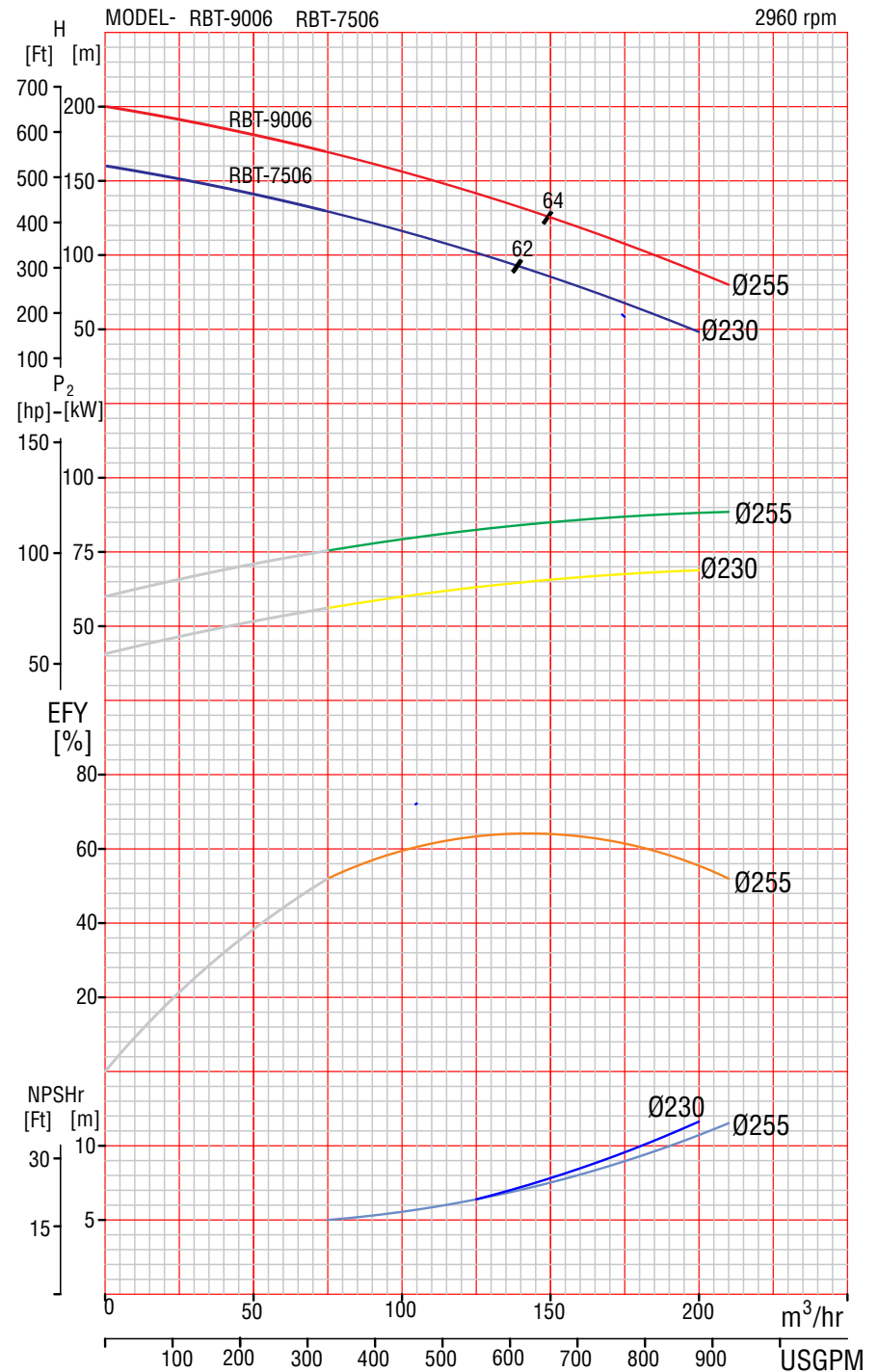
Max Head: 200 Mtr / 650 Ft.
Max Flow: 200m³/hr/900 GPM



Predicted Performance Curve
Performance subjected to ISO 9906 Gr 3b 2012
Two stage Performance Curve
Minimum and maximum number of stages - 2

Trim only vanes not shrowds

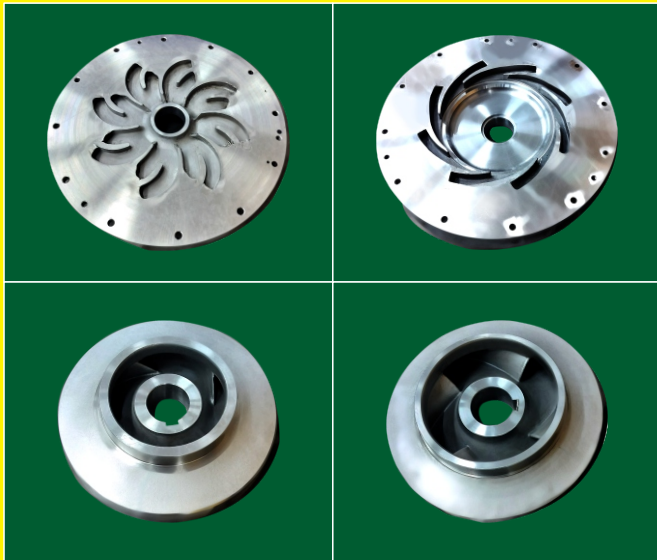
MODEL- RBT-9006 / RBT-7506 - 2 Stage



ROBUST

RBT-H 9006

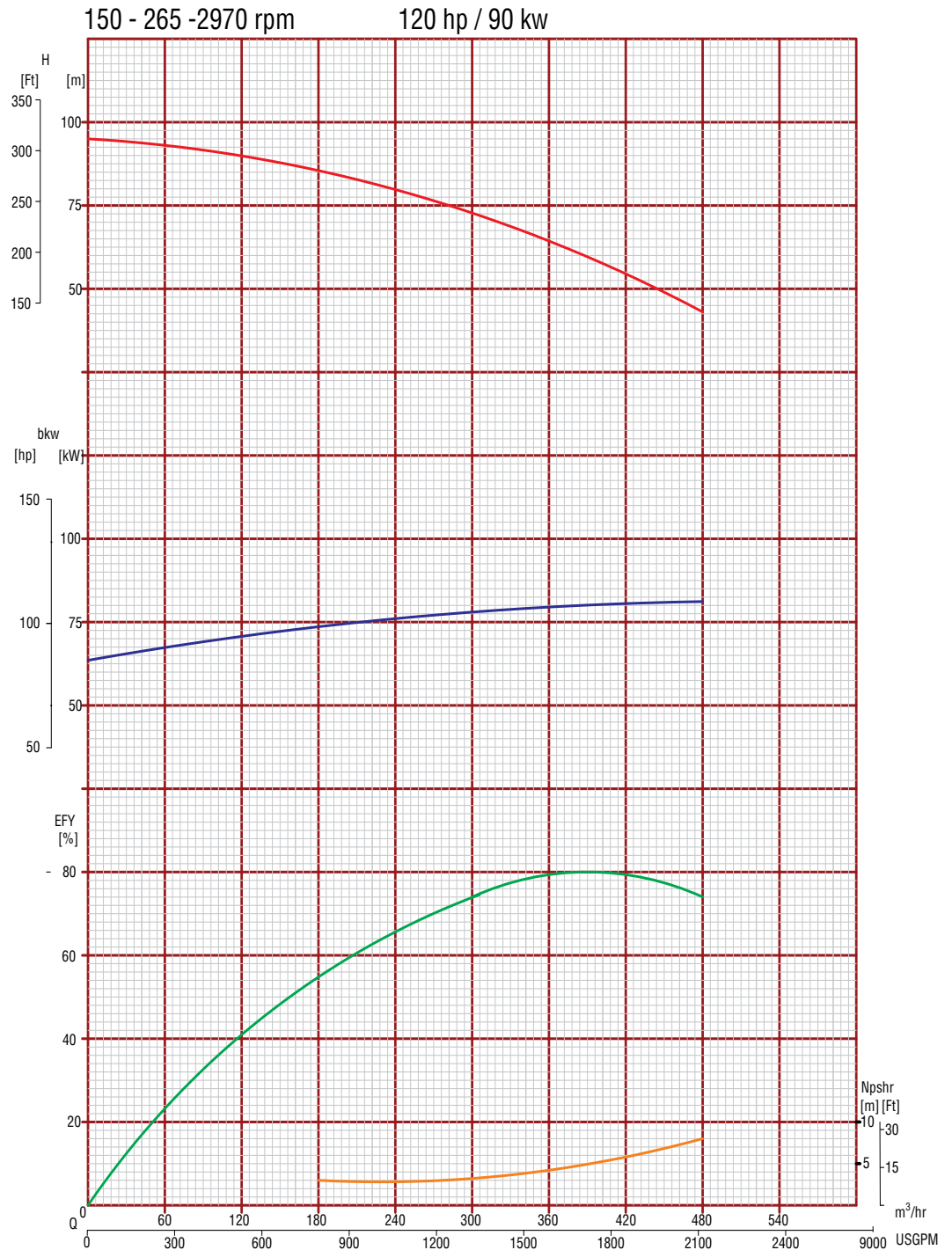
Max Head: 90 Mtr / 320 Ft.
Max Flow: 480m³/hr-2100 GPM



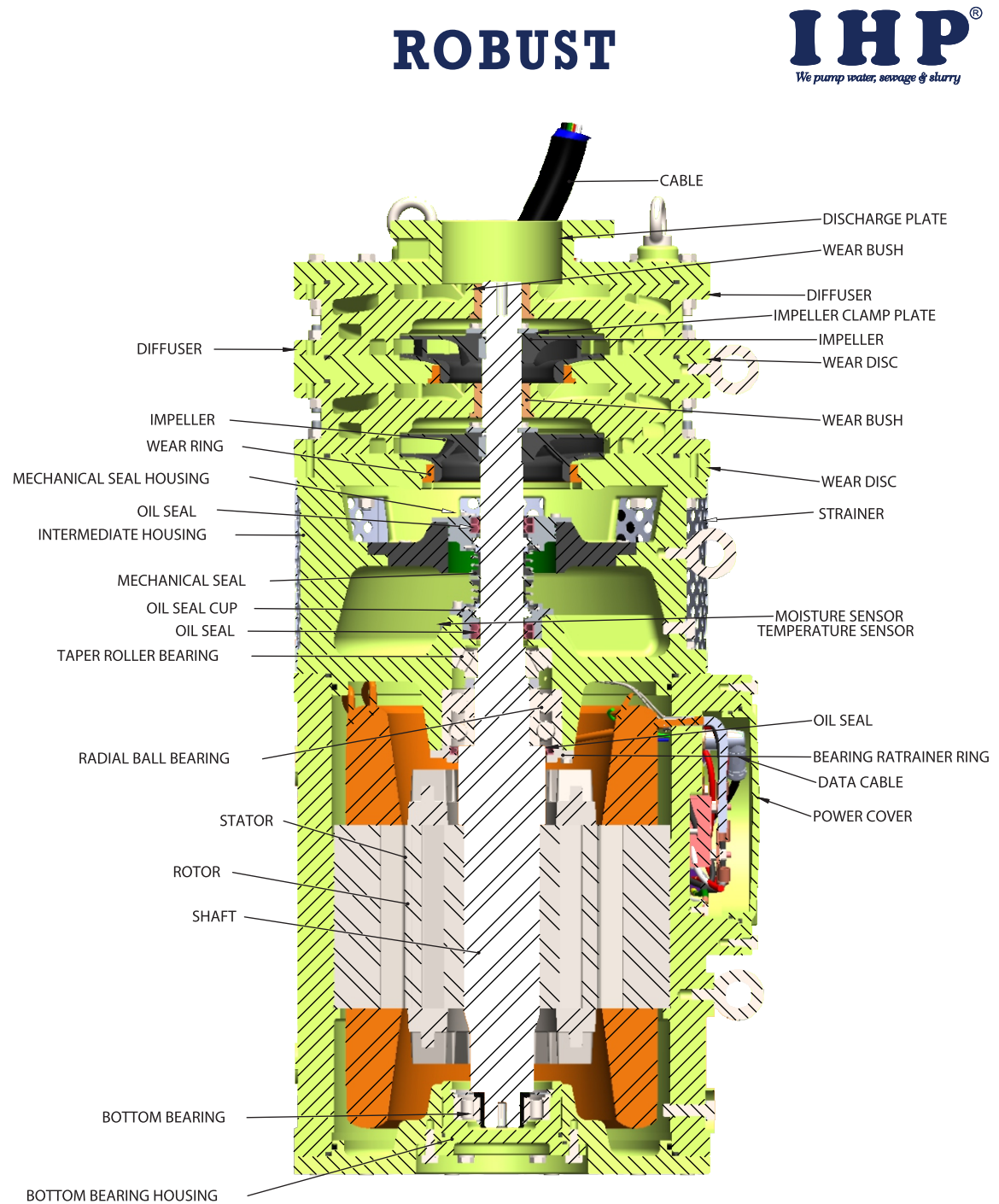
Predicted Performance Curve
 Performance subjected to ISO 9906 Gr 3b 2018
 Performance based on clear cold water at 20°C

Predicted performance curve

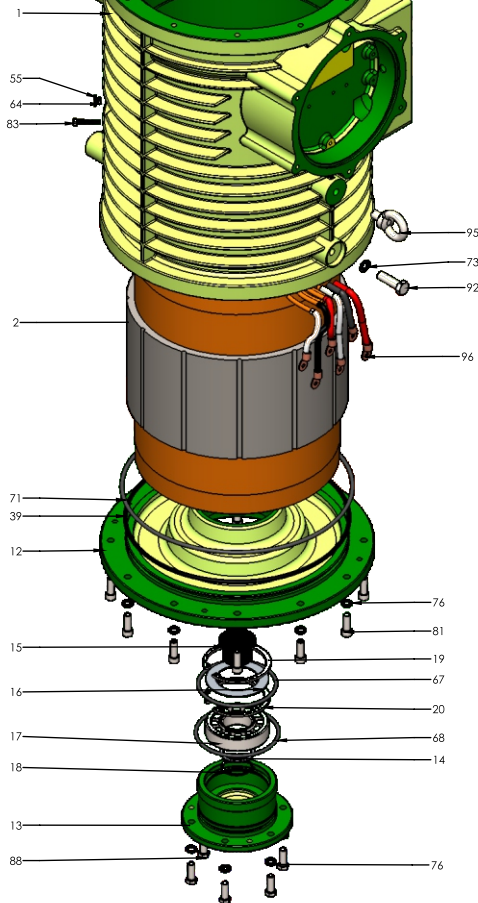
MODEL- RBT-H 9006-Single Stage



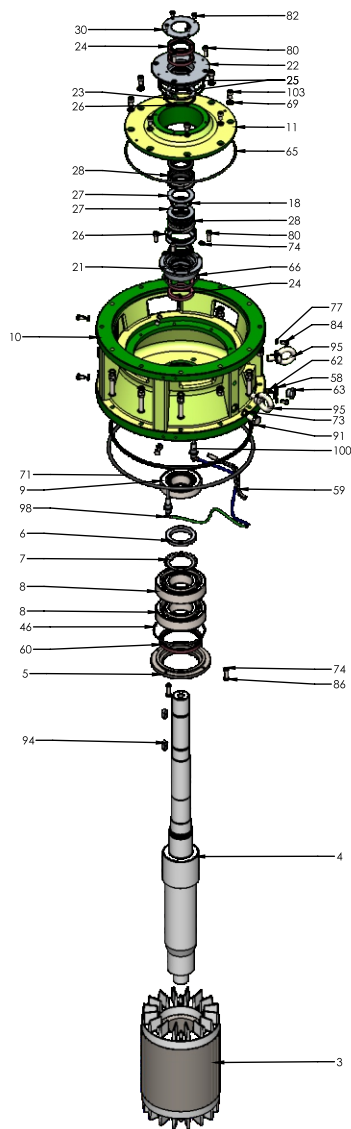
Exploded View



ELECTRICAL MOTOR SECTION

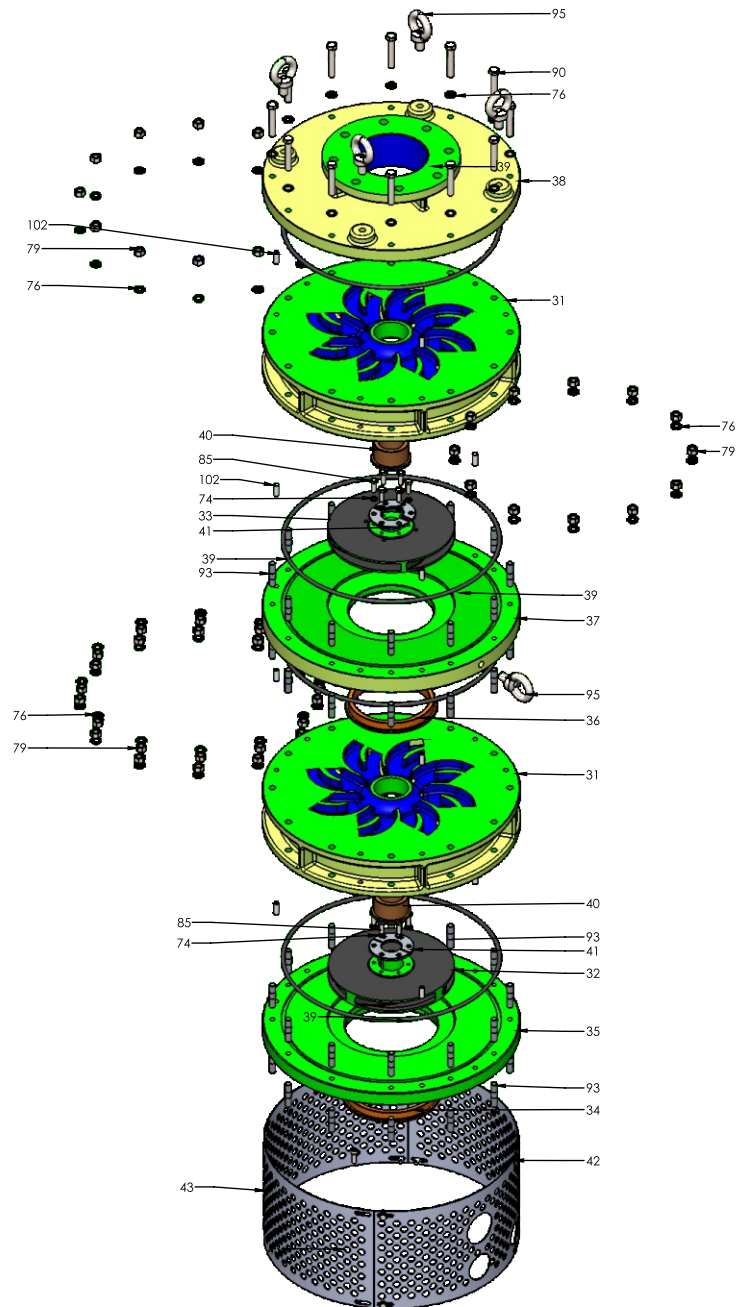


ELECTRICAL MOTOR SECTION

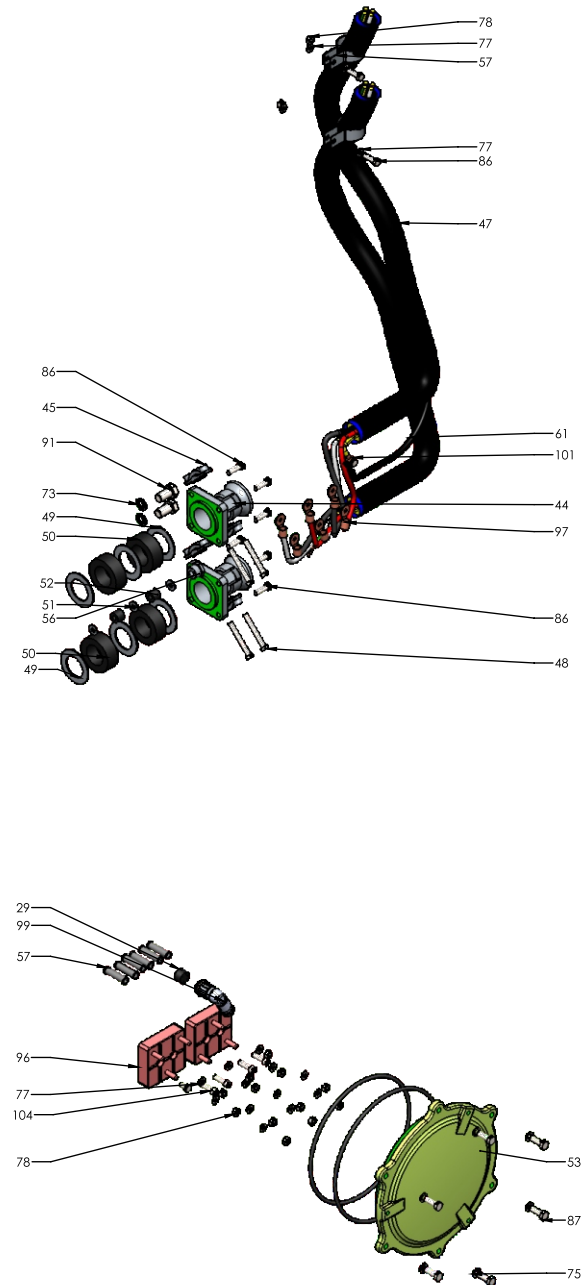


380v/400v/415v/440v/500v/525v/550v/1000v

HYDRAULIC SECTION



CABLE ASSEMBLY



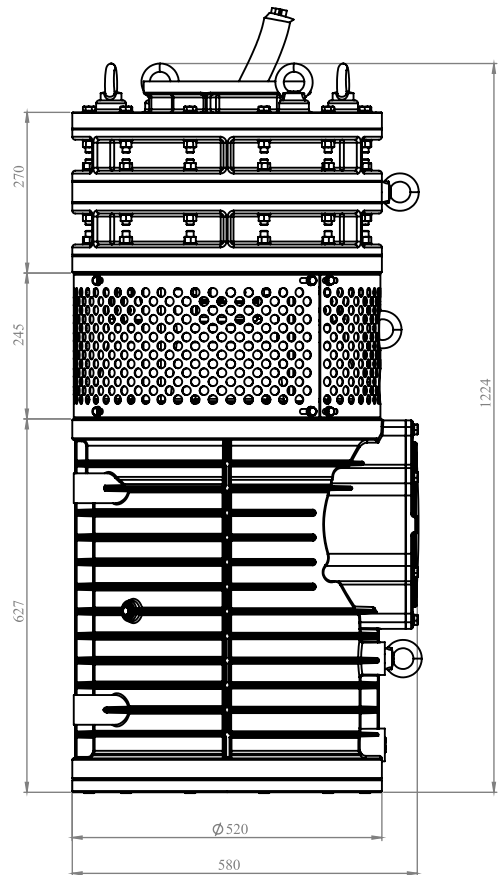
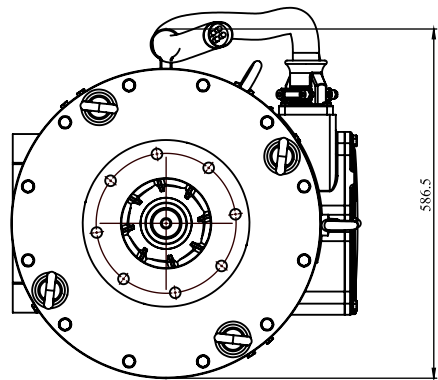
380v/400v/415v/440v/500v/525v/550v/1000v

Bill of Materials

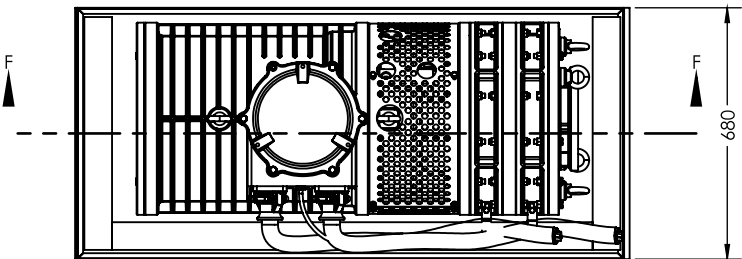
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	RB90001-M	MOTOR HOUSING	SGI500/7	1
2	RB90002	Stator 420x240x230mm	ASTM A36	1
3	RB90003	Rotor 240x95x230mm	ASTM A36	1
4	RB90004-T	90kW Diffuser SHAFT	SS 431	1
5	RB90005	BEARING RETRAINER RING	SGI500/7	1
6	KM14	LOCK NUT	MILD STEEL	1
7	MB14	LOCK WASHER	MILD STEEL	1
8	6314	RADIAL BALL BEARING	SKF/FAG/NTN	2
9	7FC60	TAPPER ROLLER BEARING	SKF/FAG/NTN	1
10	RB90006-M	INTERMEDIATE HOUSING	SGI500/7	1
11	RB90015-M	OIL PLATE	SGI500/7	1
12	RB90007-M	BACK PLATE FOR DIFFUSER	SGI500/7	1
13	RB90008-M	BEARING HOUSING FOR BACK PLATE	SGI500/7	1
14	RB90009	WASHER 55*65*2mm	SS 304	1
15	RB90010	BEARING BUSH	SKD11	1
16	RB90011	BEARING SPACER SHIM D81*D124*2mm	SS 304	1
17	NU 311 EC	RADIAL CYLINDRICAL ROLLER BEARING	SKF/FAG/NTN	1
18	A55*2	EXTERNAL CIRCLIP (55*2MM)	SPRING STEEL	2
19	J125	INTERNAL CIRCLIP - (125 * 4mm)	SPRING STEEL	1
20	J120	INTERNAL CIRCLIP (120*4MM)	SPRING STEEL	1
21	RB90012-1	INTERMEDIATE OIL AND MECHANICAL SEAL HOUSING	SS 304	1
22	RB90013-M	TOP OIL PLATE AND MECHANICAL SEAL HOUSING	SS 304	1
23	SLD6937020	MECHANICAL SEAL WASHER RING D55 (Ø68*Ø90*2mm)	SS 304	2
24	P00607	OIL SEAL 55x80x10mm	VITON	4
25	B5160	O-RING (133.02*2.62mm)	NBR	2
26	J90	INTERNAL CIRCLIP (90*3)	SPRING STEEL	2
27	SHIM 55	MECHANICAL SEAL WASHER (Ø55.5*Ø81*2MM	SS 304	2
28	55mm Bellow	DIA.55MM Bellow TYPE MECHANICAL SEAL	EPDM	2
29	RB90047	WINDING WIRE RUBBER BUSH	NBR	1
30	RB90016	SLINGER PLATE	SS 304	1
31	RB90017-M	DIFFUSER CASING	SGI500/7	2
32	RB90018-M	1ST STAGE IMPELLER FOR DIFFUSER PUMP	CFM8	1
33	RB90019-M	2ND STAGE IMPELLER FOR DIFFUSER PUMP	CFM8	1
34	RB90020	WEAR RING STAGE 1	SS 316L	1
35	RB90021-M	SUCTION COVER PLATE	SGI500/7	1
36	RB90022	WEAR RING STAGE 2	SS 316L	1
37	RB90023-M	DIFFUSER COVER	SGI500/7	1
38	RB90024-M	DELIVERY COVER	SGI500/7	1
39	B5463	O-RING (430.66*6.99mm)	NBR	6
40	RB90026	SHAFT WEAR BUSH	BRONZE	2
41	RB90027	IMPELLER CLAMP PLATE	SS 304	4
42	RB90028-1	STRAINER	SS304	1
43	RB90028-2	STRAINER	SS304	1
44	RB90029-M	POWER CORD GLAND	SS 304	2
45	RB90030-M	CABLE CLAMP	SS 304	4
46	B5258	O-RING (152.07*2.62)	NBR	1
47	50mm sq.	Cable 3x50mm sq. 3E+1p 145A (44mm OD)	HO7RN-F	2
48	HHB8 x 70 x 22	HEX HEAD BOLT M8*70*22MM	SS316	4
49	RB90033	FLAT WASHER 45 X 69.4 X 2	SS 304	6
50	RB90034	RUBBER BUSH 42 X 70 X 26	NBR	4
51	RB90035	WASHER 20X9.6X2	SS 304	3
52	RB90036	RUBBER 20.5X9.5X16	NBR	2
53	RB90038-M	POWER CHAMBER COVER	SGI500/7	1
54	RB90040	CABLE CLIP	SS304	2
55	SLD937023	STATOR LOCK BOLT RING	SS 304	1
56	RB90043	DATA CABLE NUT	SS 304	1
57	DATA CABLE RUBBER	RUBBER BUSH	NBR	6
58	M24 DW	M24 DOWTY WAHER	SS316	1
59	PT100	temperature sensor	CABLE	1
60	P13845	110x130x10mm Oil Seal	VITON	1
61	7x1.5mm sq. DC	7*1.5MM Sq. DATA CABLE	HO7RN-F	1
62	NP114" BSP	1/4 bsp GREASE NOB	BRASS	1
63	RB90031	GREASE COVER CAP M24*12MM	SS 304	1

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
64	BS109	O-RING (7.59*2.62mm)	NBR	1
65	BS279	O-RING (329.79*3.53mm)	NBR	1
66	BS242	O-RING (101.19*3.53mm)	NBR	1
67	BS358	O-RING (142.24*5.33mm)	NBR	1
68	BS361	O-RING (151.77*5.33mm)	NBR	1
69	FW-10	FLAT WASHER M10	SS316	8
70	BS378	O-RING (266.07*5.33mm)	NBR	1
71	BS462	O-RING (417.96*6.99mm)	NBR	2
72	BS377	O-RING (253.37*5.33mm)	NBR	1
73	M16 DW	M16 DOWTY WASHER	SS316	4
74	SW-8	SPRING WASHER M8	SS316	20
75	SW-10	SPRING WASHER M10	SS316	6
76	SW-12	SPRING WASHER M12	SS316	102
77	FW8	FLAT WASHER M8	SS316	29
78	N8	NUT M8	SS316	14
79	N12	NUT M12	SS316	60
80	SHB8*25	SOCKET HEAD BOLT M8*25mm	SS316	8
81	SHB12 x 35	SOCKET HEAD BOLT M12*35mm	SS316	12
82	HHB6 x12	HEX HEAD BOLT M6*12mm	SS316	5
83	HHB8*45	HEX HEAD BOLT M8*45mm	SS316	1
84	HHB8*16	HEX HEAD BOLT M8*16mm	SS316	14
85	HHB8*25	HEX HEAD BOLT M8*25mm	SS316	12
86	HHB8*30	HEX HEAD BOLT M8*30mm	SS316	14
87	HHB10 x 30	HEX HEAD BOLT M10*30mm	SS316	6
88	HHB12 x 35	HEX HEAD BOLT M12*35	SS316	6
89	HHB12 x 55	HEX HEAD BOLT M12*55mm	SS316	12
90	HHB12 x 70	HEX HEAD BOLT M12*70mm	SS316	12
91	HHB16 x 30	HEX HEAD BOLT M16*30mm	SS316	3
92	HHB16 x 55	HEX HEAD BOLT M16*55mm	SS316	1
93	ST12X55	STUD SCREW M12X55MM	SS316	48
94	KS14X9X30	IMPELLER KEY 14*9*30MM	SS316	2
95	EB16	EYE BOLT M16	SS316	8
96	ROBUST 90T	TERMINAL CONNECTOR 2114	TERMINAL BLOCK	2
97	Sq.75 mm LUG	Sq.75mm lug M10 hole	COPPER	12
98	ZCTS203	1 sq mm CABLE LUG	COPPER	2
99	7300500000	DATA CABLE CONNECTOR	DATA CABLE	1
100	3H1800203	WARRICK MOISTURE SENSOR	SENSOR	2
101	25 sq mm. Lug with wire	25sq mm E10	COPPER	2
102	DOWEL PIN	DOWEL PIN 10X25mm	SS316	12
103	SHB10*16	SOCKET HEAD BOLT M10*16mm	SS316	8
104	SHB8*30	SOCKET HEAD BOLT M8*30mm	SS316	4

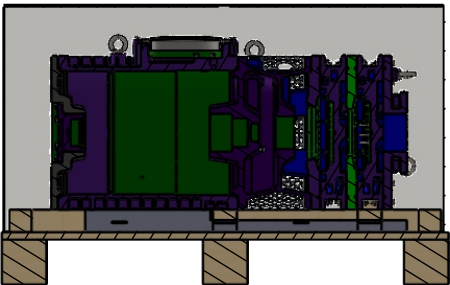
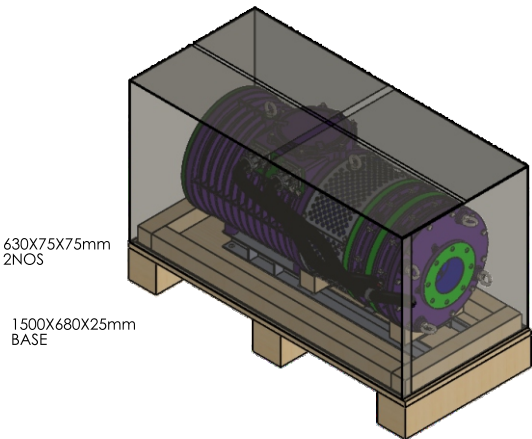
Dimensions



Packing Information



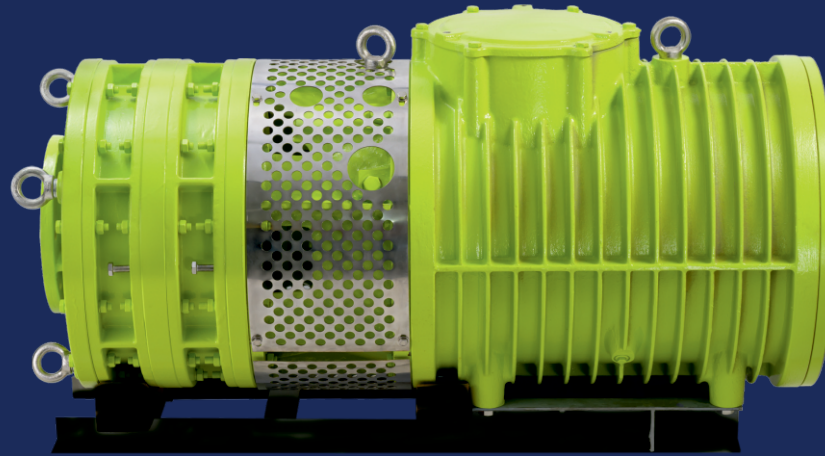
SECTION D-D
1500



SECTION F-F
SCALE 1 : 17

Notes





Horizontally Packed

MANUFACTURED BY:
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