

Průmyslová řada čerpadel
pro velké průtoky

HIPPO DN

NÁHRADNÍ DÍLY



HIPPO DN SERIES

2.5" & 3" FULL FREE PASSAGE SUBMERSIBLE SEWAGE PUMP

50 HZ

POWER: 1.5~5.5HP (1.1~4.1kW)
MAX HEAD: 22.5 meter
MAX FLOW: 1350 lpm



HIPPO-150~550 DN65



HIPPO-150~550 DN80

PRODUCT NOMENCLATURE

Example: HIPPO-150 S DN65

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- 1) Model
- 2) HP
- 3) Phase (1Ø / 3Ø)
- 4) Discharge Size

Parts and Material List

No.	Part	Material
1	Cable	H07RN-F / SJTOW / STOW
2	Handle	ASTM A36
3	Motor Cover	EN-GJL-200
4	Bracket	EN-GJL-200
5	Motor Housing + Stator	AISI 304
6	Shaft with Rotor	AISI 410
7	Oil Chamber	EN-GJL-200
8	Mechanical Seal	Upper : CA / CE Lower : SIC / SIC
9	Seal Housing	EN-GJL-200
10	Lip Seal	NBR
11	Impeller	EN-GJL-200
12	Pump Casing	EN-GJL-200
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI

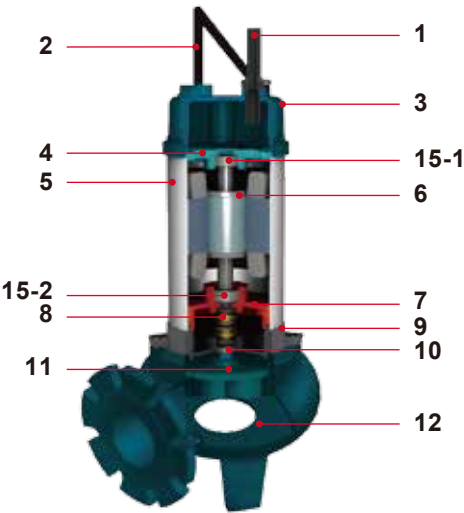
Note: Single lower bearing for 1.5HP/2HP;
Double lower bearings for 3HP/4HP/5.5HP;
TPI is a family brand of NTN group.

Features

- Vortex impeller design
- 2.5" & 3" (65mm & 76mm) solid free passage
- EKK Eagle Burgmann double mechanical seal CA/CE & SIC/SIC
- Stainless Steel motor housing
- Volute connection available in DIN PN10/16

Applications

- For heavy-duty applications with soiled biological wastewater, sewage, rainwater
- For both domestic and professional use



HIPPO-150~550 DN65



HIPPO-150~550 DN65



Vortex Impeller

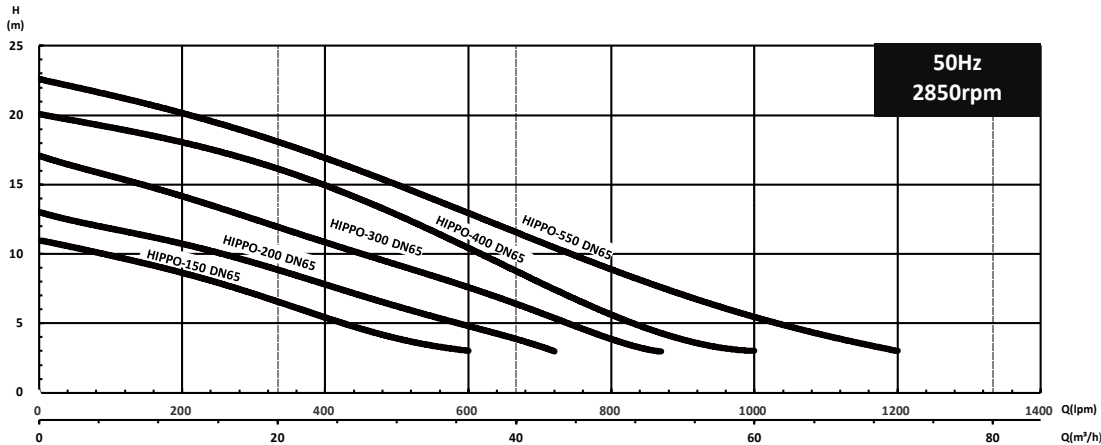
Specifications

ITEM		DESCRIPTION
LIMITS OF USE	Liquid TEMP.	0~40°C
	Application	As sugested application page 1
TYPE	Frequency	50Hz
	Motor	2P (2850RPM) . Dry Motor
	Insulation	Class F
	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mech. Seal	Dual. Mechanical Seal
	Impeller	Vortex Impeller
MATERIAL	Motor Cover	EN-GJL-200
	Motor Housing	AISI 304
	SHAFT	AISI 410
	Mech. Seal	Upper : CA/CE ; Lower : SIC/SIC
	Pump Casing	EN-GJL-200
	Impeller	EN-GJL-200
	Cable	H07RN-F / SJTOW / STOW

Data Chart

MODEL	OUTPUT		DISCHARGE	PHASE	1Ø	3Ø	3Ø	3Ø	RATED		MAXIMUM		FREE PASSAGE	WEIGHT W/O CABLE		Q.D.C
	HP	kW	Inch		230V	380V	400V	415V	m	lpm	m	lpm	mm	1Ø-kg	3Ø-kg	
HIPPO-150 DN65	1.5	1.1	2.5"	FULL LOAD AMPERAGE	10A	3.2A	3A	2.9A	6.6	330	11	600	65	26.3	26.3	QM-65
HIPPO-200 DN65	2	1.5	2.5"		12A	4A	3.9A	3.8A	8.4	360	13	720	65	28.5	28.5	QM-65
HIPPO-300 DN65	3	2.2	2.5"		-	6.3A	6A	5.8A	12.6	300	17	870	65	-	29.6	QM-65
HIPPO-400 DN65	4	3	2.5"		-	6.7A	6.7A	6.7A	13	500	20	1000	65	-	41.7	QM-65
HIPPO-550 DN65	5.5	4.1	2.5"		-	9.3A	9.1A	9A	15	500	22.5	1200	65	-	43.7	QM-65

Performance Curve



MODEL	OUTPUT		DISCHARGE	Q(lpm)	0	200	400	800	1200	Q(m³/h)	0	20	40	60	72
	HP	KW	Inch												
HIPPO-150 DN65	1.5	1.1	2.5"	H(m)	11.1	8.8	5.5	-	-	H(m)	11.1	6.6	-	-	-
HIPPO-200 DN65	2	1.5	2.5"		12.9	10.8	7.8	-	-		12.9	8.8	3.8	-	-
HIPPO-300 DN65	3	2.2	2.5"		17	14	11	3.8	-		17.0	12	6.3	-	-
HIPPO-400 DN65	4	3	2.5"		20.1	18	15	5.6	-		20.1	16.2	8.8	3	-
HIPPO-550 DN65	5.5	4.1	2.5"		22.5	20.2	16.9	9	3		22.5	18.1	11.5	5.5	3

All technical information is subject to change without notice.

HIPPO-150~550 DN80



HIPPO-150~550 DN80



Vortex Impeller

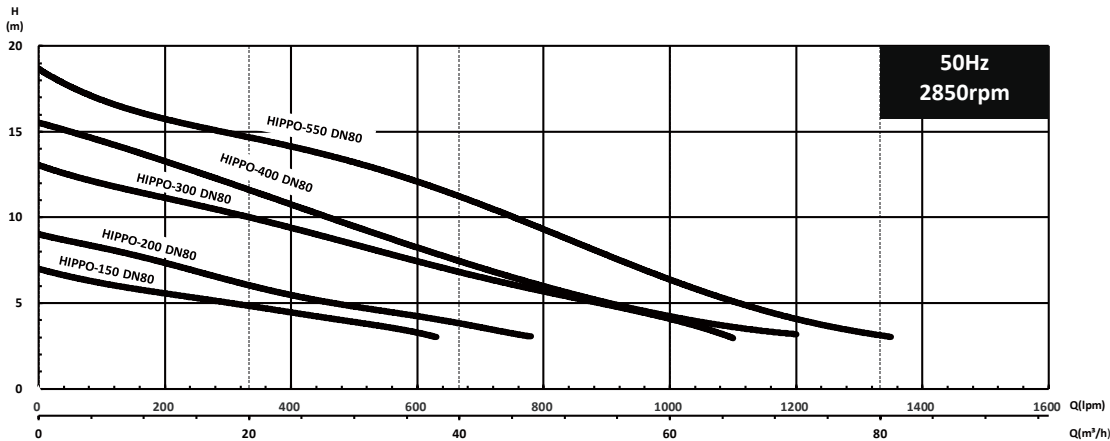
Specifications

ITEM		DESCRIPTION
LIMITS OF USE	Liquid TEMP.	0~40°C
	Application	As sugested application page 1
TYPE	Frequency	50Hz
	Motor	2P (2850RPM) . Dry Motor
	Insulation	Class F
	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mech. Seal	Dual. Mechanical Seal
	Impeller	Vortex Impeller
MATERIAL	Motor Cover	EN-GJL-200
	Motor Housing	AISI 304
	SHAFT	AISI 410
	Mech. Seal	Upper : CA/CE ; Lower : SIC/SIC
	Pump Casing	EN-GJL-200
	Impeller	EN-GJL-200
	Cable	H07RN-F / SJTOW / STOW

Data Chart

MODEL	OUTPUT		DISCHARGE	PHASE	1Ø	3Ø	3Ø	3Ø	RATED		MAXIMUM		FREE PASSAGE	WEIGHT W/O CABLE		Q.D.C
	HP	kW	Inch		230V	380V	400V	415V	m	lpm	m	lpm	mm	1Ø-kg	3Ø-kg	
HIPPO-150 DN80	1.5	1.1	3"	FULL LOAD AMPERAGE	10A	3.2A	3A	2.9A	4.4	415	7	630	76	29.6	29.6	QD-80
HIPPO-200 DN80	2	1.5	3"		12A	4A	3.9A	3.8A	5	460	9	780	76	31.8	31.8	QD-80
HIPPO-300 DN80	3	2.2	3"		-	6.3A	6A	5.8A	9.5	400	13	1100	76	-	32.9	QD-80
HIPPO-400 DN80	4	3	3"		-	6.7A	6.7A	6.7A	8	600	15.5	1200	76	-	49.9	QD-80
HIPPO-550 DN80	5.5	4.1	3"		-	9.3A	9.1A	9A	8	900	18.5	1350	76	-	51.9	QD-80

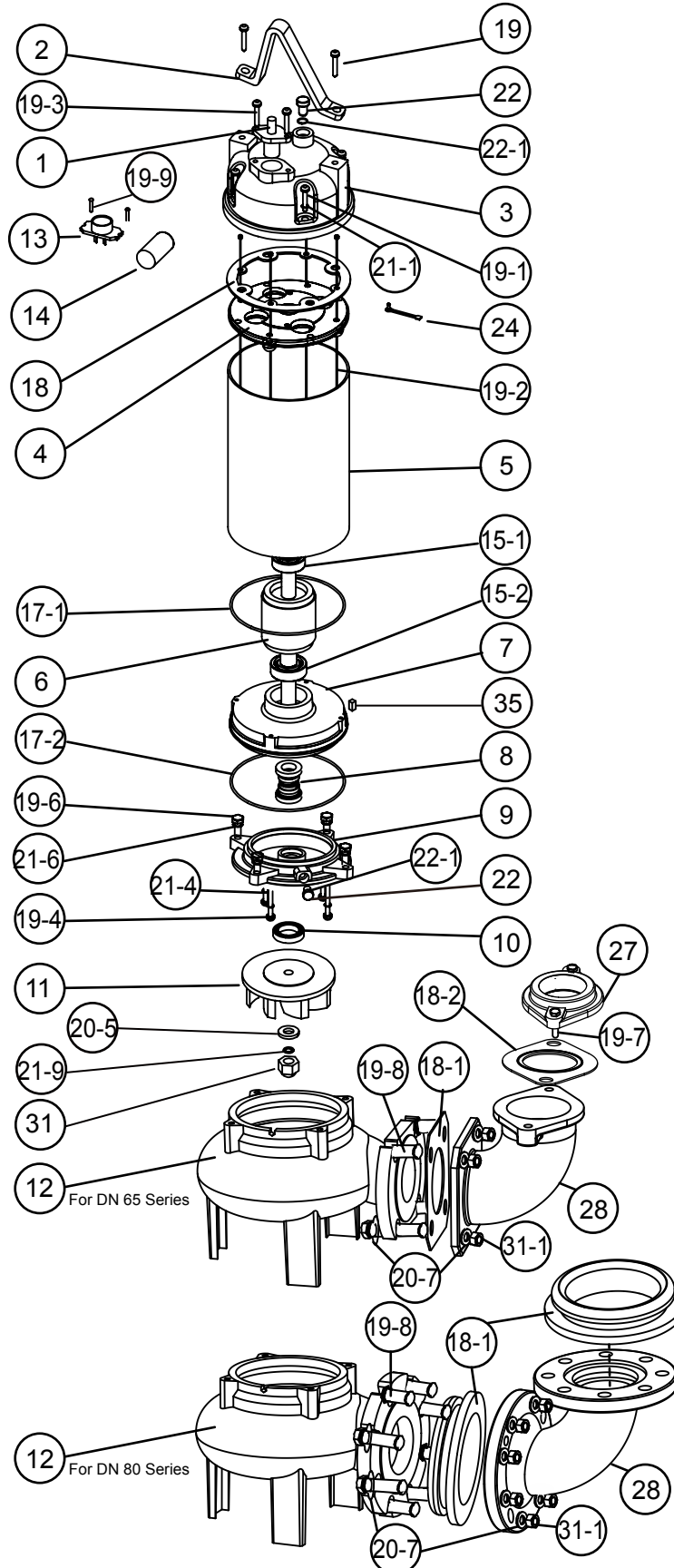
Performance Curve



MODEL	OUTPUT		DISCHARGE	Q(lpm)	0	200	400	1000	1350	Q(m³/h)	0	20	40	60	81
	HP	KW	Inch												
HIPPO-150 DN80	1.5	1.1	3"	H(m)	7	5.6	4.5	-	-	H(m)	7.0	4.9	-	-	-
HIPPO-200 DN80	2	1.5	3"		9.1	7.3	5.5	-	-		9.1	6	3.7	-	-
HIPPO-300 DN80	3	2.2	3"		13	11.1	9.4	4	-		13.0	10	6.8	4	-
HIPPO-400 DN80	4	3	3"		15.5	13.4	10.8	4.2	-		15.5	11.7	7.5	4.2	-
HIPPO-550 DN80	5.5	4.1	3"		18.5	15.9	14.2	6.4	3		18.5	14.8	11.3	6.4	3

ASSEMBLY VIEW

MODELS : HIPPO-150~200 DN65/HIPPO-150~200 DN80 (1.5~2HP)



PARTS LIST

MODELS : HIPPO-150~200 DN65/HIPPO-150~200 DN80 (1.5~2HP)

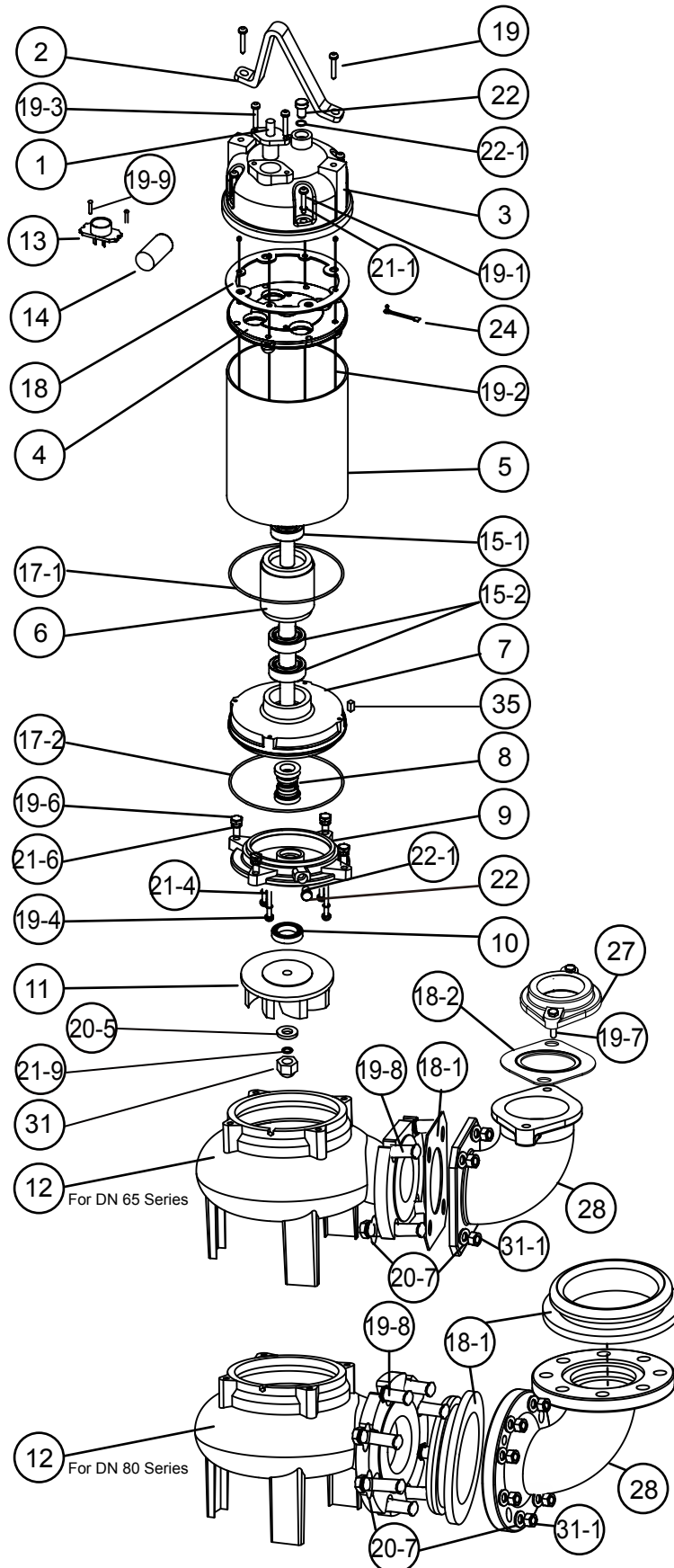
NO	Part	Material	Photo	NO	Part	Material	Photo
2	Handle	ASTM A36		12	Pump Casing (DN65)	EN-GJL-200	
3	Motor Cover	EN-GJL-200		12	Pump Casing (DN80)	EN-GJL-200	
4	Bracket	EN-GJL-200		15-1 15-2	Upper Bearing Lower Bearing	NTN/TPI	
5	Motor Housing +Stator	AISI 304		17-1 17-2	O-rings	NBR	
6	Shaft with Rotor	AISI 410		18	Gasket	NBR	
7	Oil Chamber	EN-GJL-200		18-1	Elbow Gasket (DN65)	NBR	
8	Mechanical Seal	CA/CE + SIC/SIC		18-1	Elbow Gasket (DN80)	NBR	
9	Seal Housing	EN-GJL-200		18-2	Flange Packing	NBR	
10	Lip Seal	NBR		27	Flange (DN65)	EN-GJL-200	
11	Impeller	EN-GJL-200		28	Elbow	EN-GJL-200	

NO	Part	Material	NO	Part	Material
1	Cable	H07RN-F/ SJTOW/STOW	20-5	Washer	AISI 304
13	Protector (3 Phase)	KLIXON	20-7	Washer	AISI 304
14	Capacitor (1 Phase)	-	21-1	Spring Washer	AISI 304
19	Screw	AISI 304	21-4	Washer with O-ring	AISI 304+NBR
19-1	Screw	AISI 304	21-6	Spring Washer	AISI 304
19-2	Long Screw of motor	Steel	21-9	Spring Washer	AISI 304
19-3	Screw	AISI 304	22	Oil Filler Plug	AISI 304
19-4	Screw	AISI 304	22-1	O-ring of Oil Filler Plug	NBR
19-6	Screw	AISI 304	24	Wire and Screw	AISI 304
19-7	Screw	AISI 304	31	Nut of impeller	AISI 304
19-8	Screw	AISI 304	31-1	Nut of Elbow	AISI 304
19-9	Screw	AISI 304	35	Key	AISI 304

TPI is a family brand of NTN group.

ASSEMBLY VIEW

MODELS : HIPPO-300 DN65/HIPPO-300 DN80 (3HP)



PARTS LIST

MODELS : HIPPO-300 DN65/HIPPO-300 DN80 (3HP)

NO	Part	Material	Photo	NO	Part	Material	Photo
2	Handle	ASTM A36		12	Pump Casing (DN65)	EN-GJL-200	
3	Motor Cover	EN-GJL-200		12	Pump Casing (DN80)	EN-GJL-200	
4	Bracket	EN-GJL-200		15-1 15-2	Upper Bearing Lower Bearing	NTN/TPI	
5	Motor Housing +Stator	AISI 304		17-1 17-2	O-rings	NBR	
6	Shaft with Rotor	AISI 410		18	Gasket	NBR	
7	Oil Chamber	EN-GJL-200		18-1	Elbow Gasket (DN65)	NBR	
8	Mechanical Seal	CA/CE + SIC/SIC		18-1	Elbow Gasket (DN80)	NBR	
9	Seal Housing	EN-GJL-200		18-2	Flange Packing	NBR	
10	Lip Seal	NBR		27	Flange (DN65)	EN-GJL-200	
11	Impeller	EN-GJL-200		28	Elbow	EN-GJL-200	

NO	Part	Material	NO	Part	Material
1	Cable	H07RN-F/ SJTOW/STOW	20-5	Washer	AISI 304
13	Protector (3 Phase)	KLIXON	20-7	Washer	AISI 304
14	Capacitor (1 Phase)	-	21-1	Spring Washer	AISI 304
19	Screw	AISI 304	21-4	Washer with O-ring	AISI 304+NBR
19-1	Screw	AISI 304	21-6	Spring Washer	AISI 304
19-2	Long Screw of motor	Steel	21-9	Spring Washer	AISI 304
19-3	Screw	AISI 304	22	Oil Filler Plug	AISI 304
19-4	Screw	AISI 304	22-1	O-ring of Oil Filler Plug	NBR
19-6	Screw	AISI 304	24	Wire and Screw	AISI 304
19-7	Screw	AISI 304	31	Nut of impeller	AISI 304
19-8	Screw	AISI 304	31-1	Nut of Elbow	AISI 304
19-9	Screw	AISI 304	35	Key	AISI 304

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MODELS : HIPPO-400~550 DN65/HIPPO-400~550 DN80 (4~5.5HP)



PARTS LIST

MODELS : HIPPO-400~550 DN65/HIPPO-400~550 DN80 (4~5.5HP)

NO	Part	Material	Photo	NO	Part	Material	Photo
2	Handle	ASTM A36		12	Pump Casing (DN65)	EN-GJL-200	
3	Motor Cover	EN-GJL-200		12	Pump Casing (DN80)	EN-GJL-200	
4	Bracket	EN-GJL-200		15-1 15-2	Upper Bearing Lower Bearing	NTN/TPI	
5	Motor Housing +Stator	AISI 304		17-1 17-2	O-rings	NBR	
6	Shaft with Rotor	AISI 410		18	Gasket	NBR	
7	Oil Chamber	EN-GJL-200		18-1	Elbow Gasket (DN65)	NBR	
8	Mechanical Seal	CA/CE + SIC/SIC		18-1	Elbow Gasket (DN80)	NBR	
9	Seal Housing	EN-GJL-200		18-2	Flange Packing	NBR	
10	Lip Seal	NBR		27	Flange (DN65)	EN-GJL-200	
11	Impeller	EN-GJL-200		28	Elbow	EN-GJL-200	

NO	Part	Material	NO	Part	Material
1	Cable	H07RN-F/ SJTOW/STOW	20-7	Washer	AISI 304
13	Protector (3 Phase)	KLIXON	21-1	Spring Washer	AISI 304
19	Screw	AISI 304	21-4	Washer with O-ring	AISI 304+NBR
19-1	Screw	AISI 304	21-6	Spring Washer	AISI 304
19-2	Long Screw of motor	Steel	21-9	Spring Washer	AISI 304
19-3	Screw	AISI 304	22	Oil Filler Plug	AISI 304
19-4	Screw	AISI 304	22-1	O-ring of Oil Filler Plug	NBR
19-6	Screw	AISI 304	24	Wire and Screw	AISI 304
19-7	Screw	AISI 304	31	Nut of impeller	AISI 304
19-8	Screw	AISI 304	31-1	Nut of Elbow	AISI 304
19-9	Screw	AISI 304	35	Key	AISI 304
20-5	Washer	AISI 304			

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