

EVAK PUMP TECHNOLOGY CORP.



www.evak-pumps.com

TEL +886-4-26233556

FAX +886-4-26235559

📍 No. 551, Zhongshan Rd., Qingshui Dist.,
Taichung City 436, Taiwan.

✉ sales@evak-pumps.com

LINE evakpump

🐦 @evakpump

☎ +886-968-998-953

📞 evak-pump

💻 sales@evak-pumps.com

📘 @evakpump

📺 EVAK PUMP



PUMP PARTNERS

PUMP PARTNERS

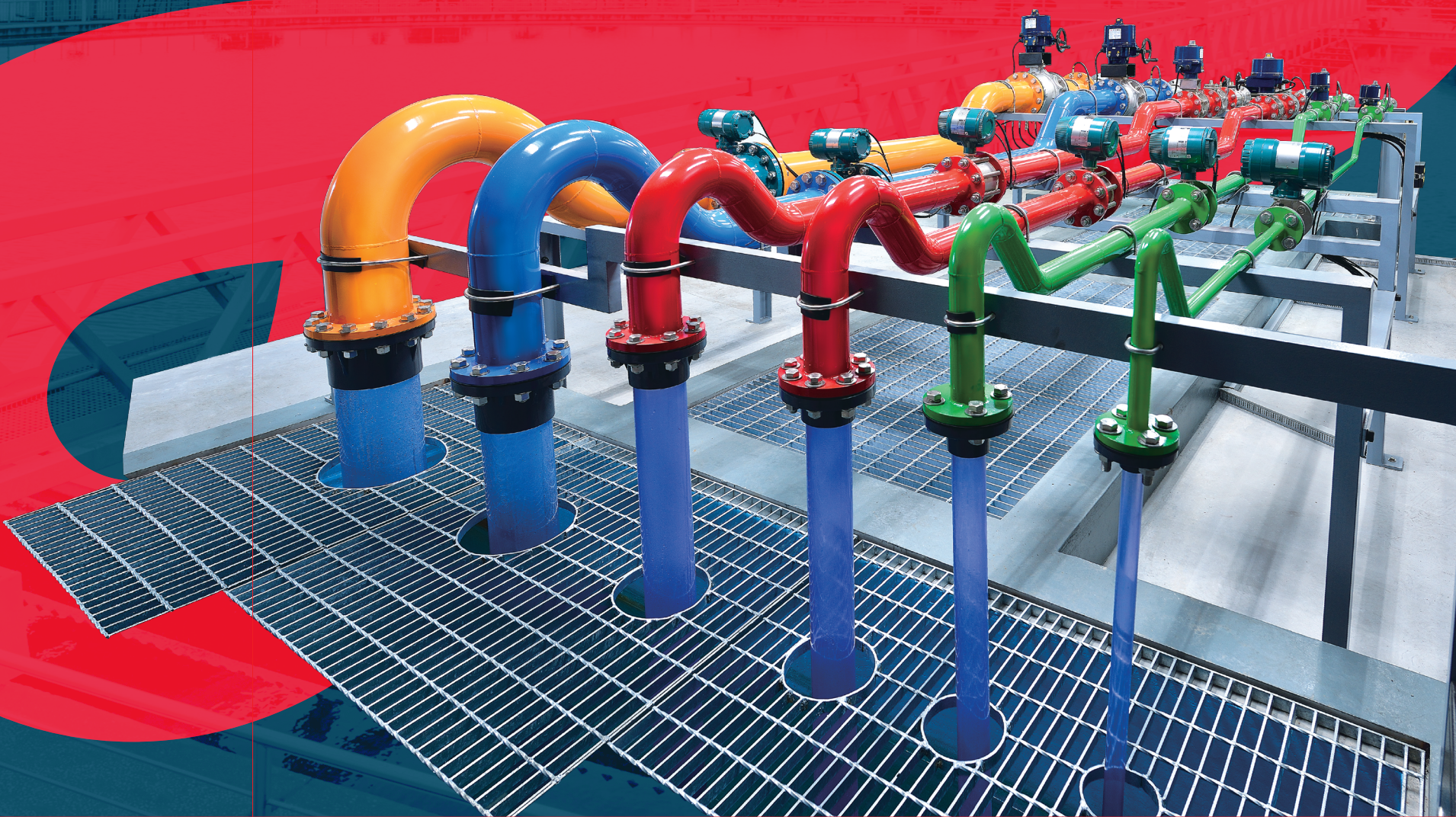
**WITH THE EXPERIENCE
AT THE HELM.**

We are family.
At least that's how we see our clients,
our partners, and our friends.
And our values shape who we are as a
business.
We look after each other.
We value, honesty and loyalty.
And we deliver the best pumps for you.
Because we spend time to know you, we
understand how best to help you.
And we deliver. Every time.
No hassle. No headaches.
We provide a focused line of great value
and quality pumps.
The pumps you need.
Because we want you to succeed.
Because that's what family does. Right?



Hydraulic Performance Tester

Comply ISO 9906 standard.
Test up to 8 inch discharge and 50HP
by municipal power, able test bigger
motor size by generator.
High precision testing equipment of
YOKOGAWA and HIOKI as measuring
equipment for hydraulic and power.
Ensuring our pump performance is the
same as on our catalogue.



EVAK IS PROUD TO OFFER A FOCUSED LINE OF GREAT VALUE & QUALITY PUMPS.

HIPPO SERIES' UNIQUE FEATURES

Motor Protector

Single phase thermal protector,
three phase overload protector

KLIXON[®]

Bearing

C3 type high quality deep-groove
ball bearing- NTN/TPI

NTN TPI[®]
BEARINGS

TPI is a family brand of NTN group.

Lip Seal

Extra protection from solids

Robust Cable Entry

Epoxy potted sealing and
strain-relief structure removes
the risk of leakage into motor

Motor

Air filled motor type with continuous duty.
B class insulation up to 1HP.
F class insulation from 1.5HP and up

Shaft

High tensile Stainless Steel AISI 410

Double Mechanical Seal with CA/CE, SIC/SIC

EKK Eagle Burgmann

EagleBurgmann[®]

a member of **EKK** and **FREUDENBERG**

EVAK IS PROUD TO OFFER A FOCUSED LINE OF GREAT VALUE & QUALITY PUMPS.

EUB-M SERIES' UNIQUE FEATURES

Vertical/Horizontal discharge

Motor Protector

Single phase thermal protector,
three phase overload protector



Circumferential Cooling

Shaft

Hardened AISI Shaft

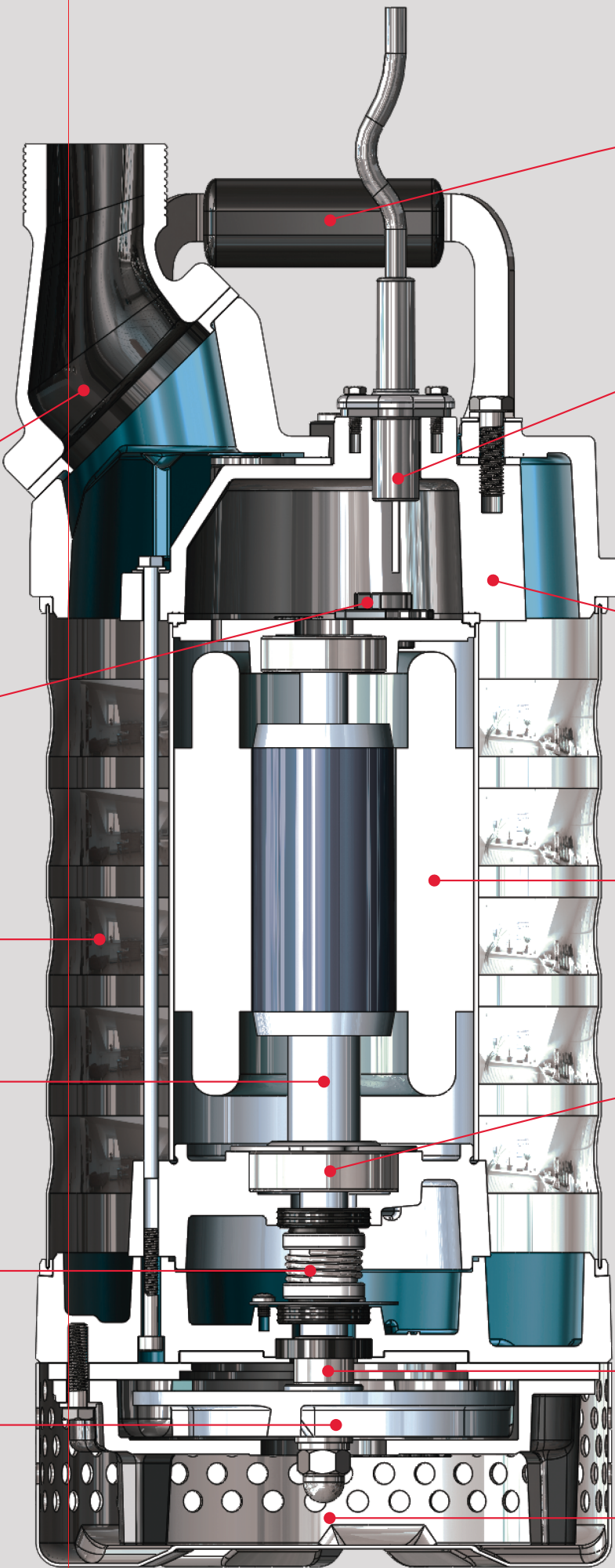
Double Mechanical Seal
with CA/CE, SIC/SIC

EKK Eagle Burgmann



Impeller

25% High chrome steel impeller can reach HRC55 hardness



Ergonomic design twin handle

Robust Cable Entry

Epoxy potted sealing and strain-relief structure
removes the risk of leakage into motor

Lightweight and strong

Uses Aluminum Alloy to replace
Cast Iron which reduces weight by 14~17%

High efficiency motor

Air filled continuous duty,
Maximum 40 degree Celsius liquid,
IP 68, F class insulation

Bearing

C3 type high quality deep-groove
ball bearing



TPI is a family brand of NTN group.

Lip Seals and Shaft Sleeves

Protection enhanced from abrasive media

Specially designed Strainer

INTRODUCTION

TYPE		DEWATERING PUMP										SEWAGE PUMP				
Index																
		EUS	EUSR	EUB,EUBS,EUBI	EUBR,EUBRS,EUBRI	EUBL	EDW	EUB-M 2-7.5HP	EUB-M 10-20HP	DIVA	DIVA PRO	HIPPO	HIPPO DN	STEEL	ALLIGATOR	LEOPARD
		P09	P11	P13	P15	P17	P19	P21	P23	P25	P27	P29	P31	P33	P35	P37
Phase	1PH	●	●	●	●	●	●	●				●	●	●	●	
	3PH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HP	0.5	●	●	●	●							●		●		
	0.75											●				
	1	●		●	●	●						●		●		
	1.5	●										●	●		●	
	2	●		●			●	●				●	●	●	●	
	3						●	●					●	●	●	●
	4												●			
	5						●	●		○	○			●	●	●
	5.5												●			
	7.5							●		○	○			●	●	●
	10								●	●	●			○		○
	15								●	●	●					
	20								●	●	●					
	24									●	●					
	30									●	●					
Duck Foot																
																

LIGHTWEIGHT SUBMERSIBLE DEWATERING PUMP

EUS

SERIES 50HZ



Features

- High abrasive resistance resin semi-open impeller and material by DuPont
- Double mechanical seal / Designed Agitator
- Auto reset thermal protector / Non air locking
- Auto version for small pit usage

Applications

- Residential, commercial, industrial dewatering and site drainage
- Decorative waterfalls and fountains
- Raw water supply from lakes or rivers
- Sediment removal from small sumps or basins
- Suitable to use in snoring mode

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg
50EUS-5.05	0.5	0.37	2"	3A	1.1A	9.6	110	12	240	6	11.3	11.3
50(80)EUS-5.10	1	0.75	2"(3")	5.8A	1.9A	12	190	18	375	6	13.9	13.9
80EUS-5.10L	1	0.75	3"	5.8A	1.9A	6	300	10.3	620	6	17.5	17.5
50(80)EUS-5.15	1.5	1.1	2"(3")	9.5A	2.9A	13	250	19	500	6	18	18
50(80)EUS-5.20	2	1.5	2"(3")	13A	3.7A	16	315	21.5	658	6	18.1	18.1

» All single-phase and three-phase pumps can be equipped with float switch upon request.

Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	10M
	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	0.5~1HP:Class B ; 2HP:Class F
Pump Part	Protection	IP 68
	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller



KLIXON
1PH Protector
(Thermal)



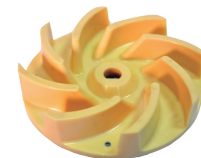
KLIXON
1PH Protector
(optional)
(overheat & overload)



KLIXON
3PH Protector
(overheat, overload,
phase failure)



Agitator



DU PONT Hytrel®
Steel coated with
thermoplastic
polyester elastomer

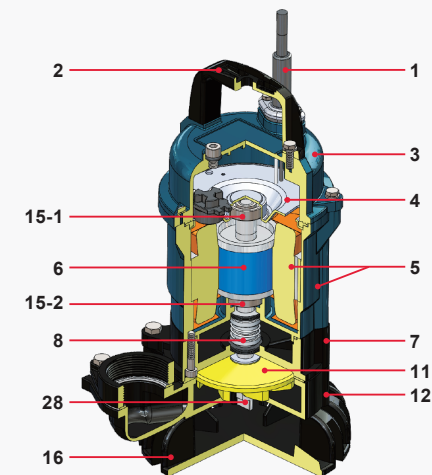


Optional Suction Plate
transfer to residue dewatering pump
available for 0.5HP and 1HP
» Removal of residual water down to 3mm

KLIXON

KLIXON protector
provides protection
against overheating
from all running and
stalled rotor conditions
including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures

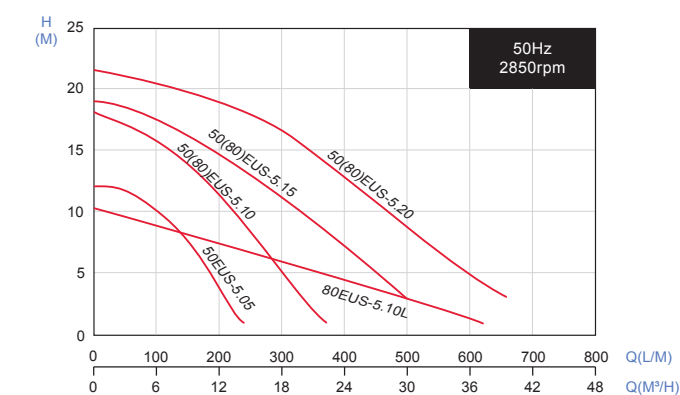


Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Nylon 6
3	Motor Cover	ADC 12
4	Bracket	Steel
5	Motor Housing + Stator	ADC12+Steel
6	Shaft with Rotor	AISI 410
7	Oil Chamber	0.5~1HP : EN-GJL-200
		2HP : AISI7Mg
8	Mechanical Seal	Upper : CA/CE Lower : SIC/SIC
11	Impeller	Hytrel
12	Pump Casing	EN-GJL-200
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI
16	Strainer	PVC
28	Agitator	SMF5030

TPI is a family brand of NTN group.

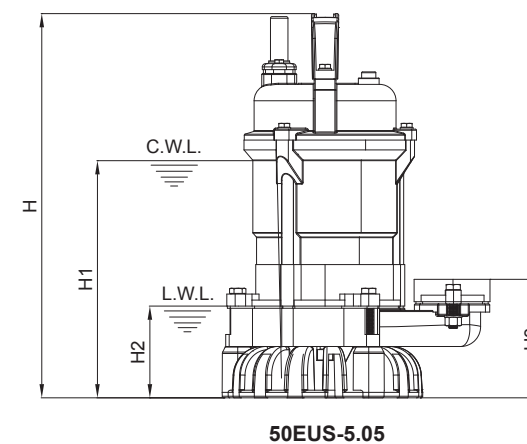
Performance Curve



All technical information is subject to change without notice.

Dimensions (mm)

Type	A	A1	A2	H	H1	H2	H3
50EUS-5.05	243	94	117	352	200	84	110
50(80)EUS-5.10	279	94	133	377	225	84	121
80EUS-5.10L	279	94	133	412	260	84	121
50(80)EUS-5.15	313	107	155	464	308	94	130
50(80)EUS-5.20	313	107	155	464	308	94	130



LIGHTWEIGHT SUBMERSIBLE
RESIDUE DEWATERING PUMP

EUSR
SERIES 50HZ



Features

- Submersible single-phase portable residue dewatering pump
- Rubber lined base plate protects the floor surface from scratching
- The wear parts are made of abrasion-resistant materials
- Discharge direction is selectable between vertical and horizontal
- Removal of residual water down to 3mm

Applications

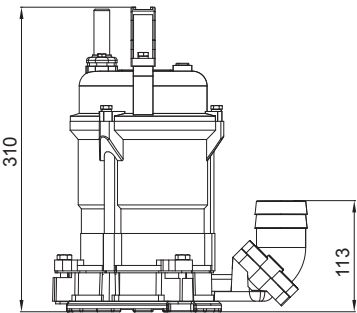
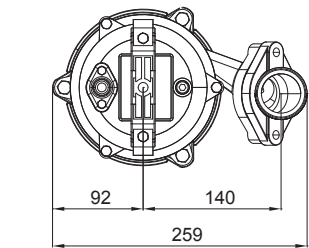
- Residential, commercial, industrial dewatering and site drainage
- Construction sites and civil engineering projects
- Basement, parking lots, removing residue water

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Weight(W/O Cable)	
	HP	KW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	1ø-kg	3ø-kg
50EUSR-5.05	0.5	0.37	2"	3A	0.9A	10	75	14	140	11.3	11.3

Specifications

	Liquid Temperature		0~40°C (32~104°F)	
	Submersible depth		10M	
Motor Part	Frequency		50Hz	
	Pole		2 Pole	
	Type		Dry Type	
	Insulation		Class B	
	Protection		IP 68	
Pump Part	Protector		Auto-cut	
	Bearing		Ball Type	
	Mechanical seal		Double Mechanical Seal	
	Impeller		Semi-open Impeller	



Dimensions (mm) Pumping water down to minimum level of 3mm

KLIXON

KLIXON protector provides protection against overheating from all running and stalled rotor conditions including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures



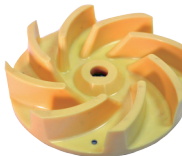
KLIXON
1PH Protector
(Thermal)



KLIXON
1PH Protector
(optional)
(overheat & overload)

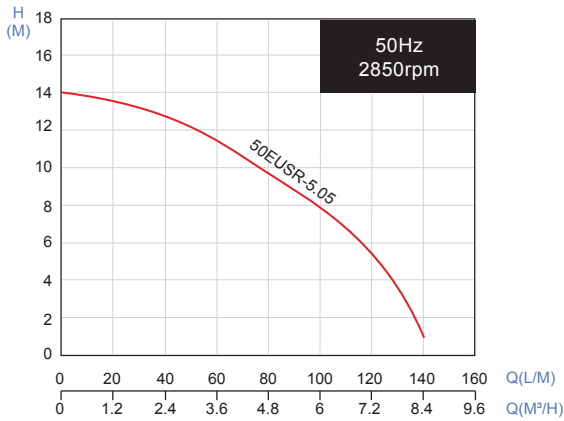


KLIXON
3PH Protector
(overheat, overload,
phase failure)



DU PONT Hytrel®
Steel coated with
thermoplastic
polyester elastomer

Performance Curve



All technical information is subject to change without notice.

Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Nylon 6
3	Motor Cover	ADC 12
4	Bracket	Steel
5	Motor Housing + Stator	ADC12+Steel
6	Shaft with Rotor	AISI 410
7	Oil Chamber	Cast Iron
8	Mechanical Seal	Upper : CA/CE Lower : SIC/SIC
11	Impeller	Hytrel
12	Pump Casing	EN-GJL-200
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI
16	Strainer	Steel+Rubber
29	Plastic Hosetail	PP

TPI is a family brand of NTN group.

LIGHTWEIGHT SUBMERSIBLE
DEWATERING PUMP

EUB
EUBS AISI 304
EUBI AISI 316
SERIES 50HZ



Features

- High resistance to abrasive liquids
- Loss wax casting AISI 304 and AISI 316 for EUBS and EUBI
- Viton gasket, O-rings, and Lip seal for EUBI (AISI 316)
- Compact & Lightweight design
- Efficient circumferential cooling for continuous duty

Applications

- Site drainage, mining, tunneling, public works, floods
- Cement industry, river intake, civil engineering projects
- Version "S" in AISI 304 and "I" in AISI 316 are suitable for light chemical liquids in drainage and general pumping applications

Data Chart

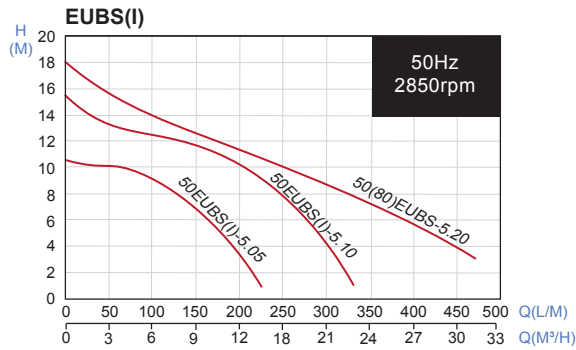
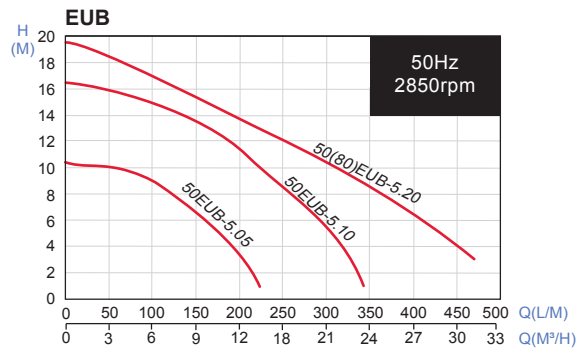
Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg
50EUB-5.05	0.5	0.37	2"	3A	0.9A	8	125	10.5	225	6	11.3	11.3
50EUBS(I)-5.05	0.5	0.37	2"	3A	0.9A	8	125	10.5	225	6	14.1(13.8)	14.1(13.8)
50EUB-5.10	1	0.75	2"	6A	1.9A	10	225	16.5	345	6	13.7	13.7
50EUBS(I)-5.10	1	0.75	2"	6A	1.9A	10	205	15.5	330	6	17.2(16.7)	17.2(16.7)
50(80)EUB-5.20	2	1.5	2"(3")	12A	3.5A	11	275	19.5	470	6	21.1	21.1
50(80)EUBS-5.20	2	1.5	2"(3")	12A	3.5A	11	215	18	470	6	25	25

» Float switch is optional for above pump in single phase.

Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	10M
	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	0.5~1HP:Class B ; 2HP:Class F
Pump Part	Protection	IP 68
	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller

Performance Curve



All technical information is subject to change without notice.

KLIXON

KLIXON protector provides protection against overheating from all running and stalled rotor conditions including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures



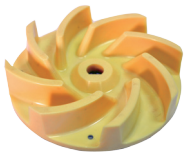
KLIXON
1PH Protector
(Thermal)



KLIXON
1PH Protector
(optional)
(overheat & overload)



KLIXON
3PH Protector
(overheat, overload,
phase failure)



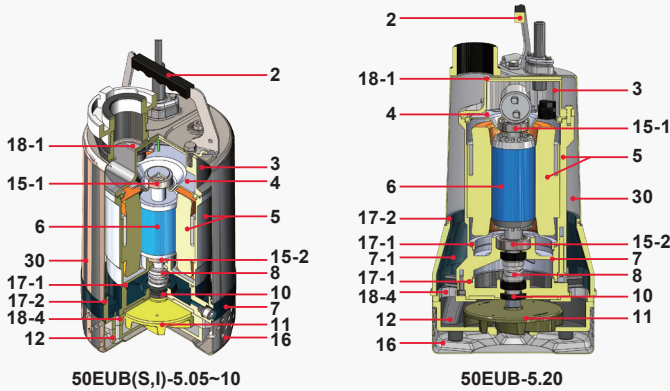
DU PONT Hytrel®
Steel coated with
thermoplastic
polyester elastomer



Loss Wax Stainless
Steel AISI 304 & 316
EUBS(I) Impeller



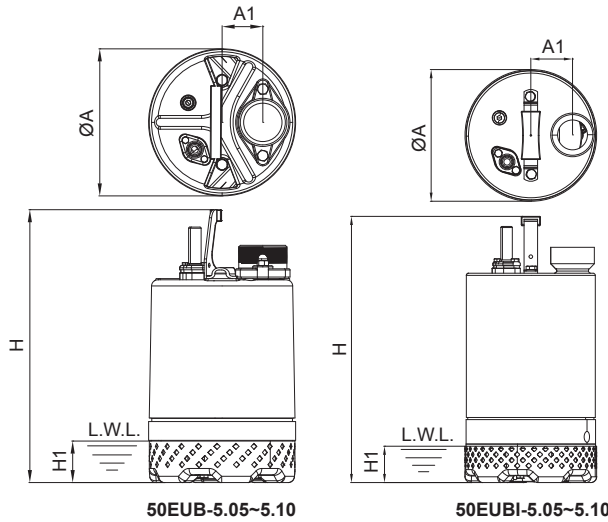
Viton gasket, O-rings,
and Lip seal
for EUBI (AISI 316)



Parts and Material List

No.	Part	Material			
		EUB (0.5~1HP)	EUB (2HP)	EUBS	EUBI
2	Handle	Steel+NBR	Steel+NBR	AISI 304+NBR	AISI 304+NBR
3	Motor Cover	ADC 12	ADC 12	AISI 304	AISI 316
4	Bracket	Steel	Steel	EN-GJL-200	EN-GJL-200
5	Motor Housing + Stator	ADC12+Steel	ADC12+Steel	AISI 304	AISI 316
6	Shaft with Rotor	AISI 410	AISI 410	AISI 304	AISI 316
7	Oil Chamber	ADC 12	AISI7Mg	AISI 304	AISI 316
7-1	Oil Chamber	-	AISI7Mg	-	-
8	Mechanical Seal	CA/CE+SIC/SIC			
10	Oil Seal	NBR	NBR	NBR	VITON
11	Impeller	Hytrel	Hytrel	AISI 304	AISI 316
12	Pump Casing	EN-GJL-200	EN-GJL-200	AISI 304	AISI 316
15-1	Upper Bearing	NTN/TPI			
15-2	Lower Bearing	NTN/TPI			
16	Strainer	AISI 304	AISI 304	AISI 304	AISI 316
17-1	O-ring	NBR	NBR	NBR	VITON
17-2	O-ring	NBR	NBR	NBR	VITON
18-1	Gasket	NBR	NBR	EPDM	VITON
18-4	Volute Liner	NBR	NBR	EPDM	EPDM
30	Outer Housing	AISI 304	AISI 304	AISI 304	AISI 316

TPI is a family brand of NTN group.



Dimensions (mm)

Type	A	A1	H	H1
50EUB-5.05	188	52	345	53
50EUBS(I)-5.05	188(184)	52	345	52
50EUB-5.10	188	52	370	53
50EUBS(I)-5.10	188(184)	52	370	52
50(80)EUB-5.20	225	52	474	81
50(80)EUBS-5.20	225	52	455	81

LIGHTWEIGHT SUBMERSIBLE
RESIDUE DEWATERING PUMP

EUBR
EUBRS AISI 304
EUBRI AISI 316
SERIES 50HZ



Features

- High resistance to abrasive liquids
- Loss wax casting AISI 304 & AISI 316 for EUBRS and EUBRI
- Viton gasket, O-rings, and Lip seal for EUBRI (AISI 316)
- Compact & Lightweight design
- Puddle or residue drainage down to 3mm
- Efficient circumferential cooling for continuous duty

Applications

- Site drainage, mining, tunneling, public works, floods
- Cement industry, river intake, civil engineering projects
- Basement, parking lots, removing residue water (EUBR/EUBRS/EUBRI)
- Version "S" in AISI 304 and "I" in AISI 316 are suitable for light chemical liquids in drainage and general pumping applications

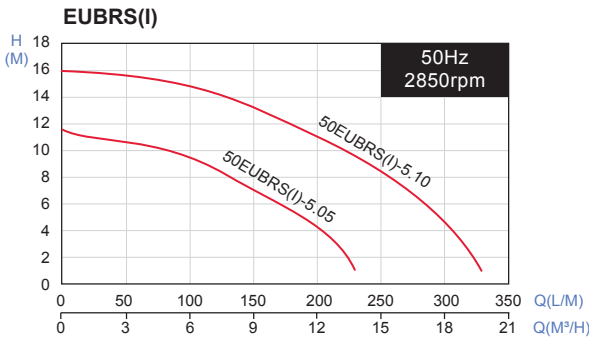
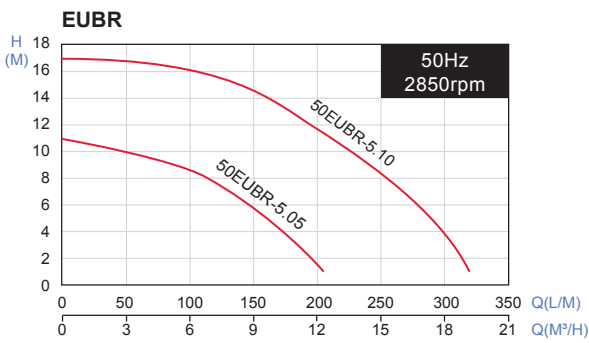
Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		
50EUBR-5.05	0.5	0.37	2"	3A	0.9A	8	115	11	205	2	12
50EUBRS(I)-5.05	0.5	0.37	2"	3A	0.9A	8	130	11.5	230	2	14.6(13.8)
50EUBR-5.10	1	0.75	2"	6.3A	1.9A	10	225	17	320	2	14.5
50EUBRS(I)-5.10	1	0.75	2"	6A	1.9A	10	220	16	330	2	17.8(16.5)

Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	10M
	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	Class B
Pump Part	Protection	IP 68
	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller

Performance Curve



All technical information is subject to change without notice.

KLIXON protector
provides protection
against overheating
from all running and
stalled rotor conditions
including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures



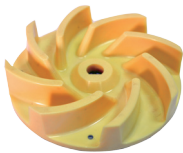
KLIXON
1PH Protector
(Thermal)



KLIXON
1PH Protector
(optional)
(overheat & overload)



KLIXON
3PH Protector
(overheat, overload,
phase failure)



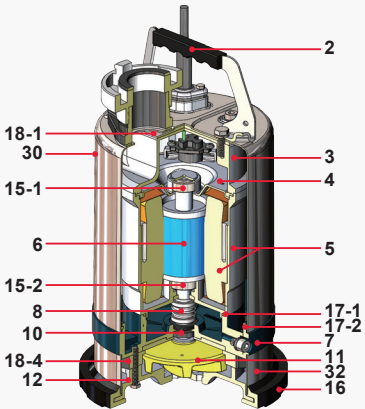
DU PONT Hytrel®
Steel coated with
thermoplastic
polyester elastomer



**Loss Wax Stainless
Steel AISI 304 & 316
EUBS(I) Impeller**



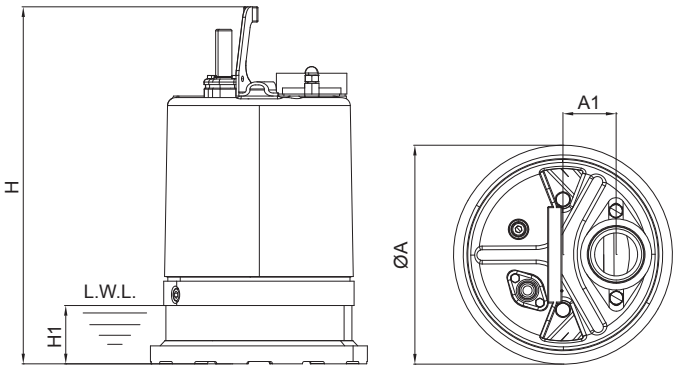
**Viton gasket, O-rings,
and Lip seal
for EUBRI (AISI 316)**



Parts and Material List

No.	Part	Material		
		EUBR	EUBRS	EUBRI
2	Handle	Steel+NBR	AISI 304+NBR	AISI 304+NBR
3	Motor Cover	ADC 12	AISI 304	AISI 316
4	Bracket	Steel	EN-GJL-200	EN-GJL-200
5	Motor Housing + Stator	ADC 12+Steel	AISI 304	AISI 316
6	Shaft with Rotor	AISI 410	AISI 304	AISI 316
7	Oil Chamber	ADC 12	AISI 304	AISI 316
8	Mechanical Seal	CA/CE+SIC/SIC		
10	Oil Seal	NBR	NBR	VITON
11	Impeller	Hytrel	AISI 304	AISI 316
12	Pump Casing	EN-GJL-200	AISI 304	AISI 316
15-1	Upper Bearing	NTN/TPI		
15-2	Lower Bearing	NTN/TPI		
16	Strainer	NBR	EPDM	EPDM
17-1	O-ring	NBR	NBR	VITON
17-2	O-ring	NBR	NBR	VITON
18-1	Gasket	NBR	EPDM	VITON
18-4	Volute Liner	NBR	EPDM	EPDM
30	Outer Housing	AISI 304	AISI 304	AISI 316
32	Pump Housing Ring	AISI 304	AISI 304	AISI 316

TPI is a family brand of NTN group.



50EUBR-5.05~5.10

Dimensions (mm)

Type	A	A1	H	H1
50EUBR-5.05	214	52	347	52
50EUBRS(I)-5.05	184	52	345	52(50)
50EUBR-5.10	214	52	372	52
50EUBRS(I)-5.10	184	52	370	52(50)

LIGHTWEIGHT SUBMERSIBLE DEWATERING PUMP FOR SLUDGE / SOLIDS HANDLING

EUBL

SERIES 50HZ



Features

- High abrasive resistance to liquids containing sand and gravel
- Free passage to 38mm in diameter
- Lightweight
- Pump body is highly resistant to impact
- Quick & easy replacement of wear components
- Air vent mechanism built-in allowing water to cool the motor when pumping
- Efficient circumferential cooling for continuous duty

Applications

- Construction and industrial sites
- Tunneling, public works, floods
- Emergency situation

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)		Q.D.C.
	HP	KW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg	
50EUBL-5.10	1	0.75	2"	5.8A	2A	8	170	12	380	38	14	14	-

Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	10M
	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	Class B
Pump Part	Protection	IP 68
	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller



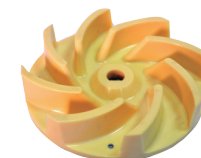
KLIXON
1PH Protector
(Thermal)



KLIXON
1PH Protector
(optional)
(overheat & overload)



KLIXON
3PH Protector
(overheat, overload,
phase failure)

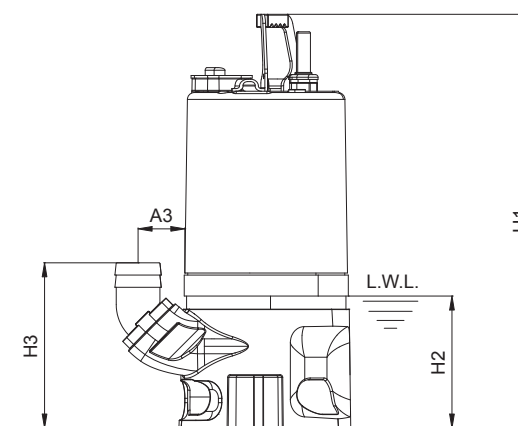
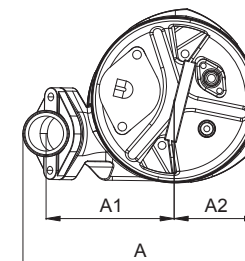


DU PONT Hytrel®
Steel coated with
thermoplastic
polyester elastomer

KLIXON

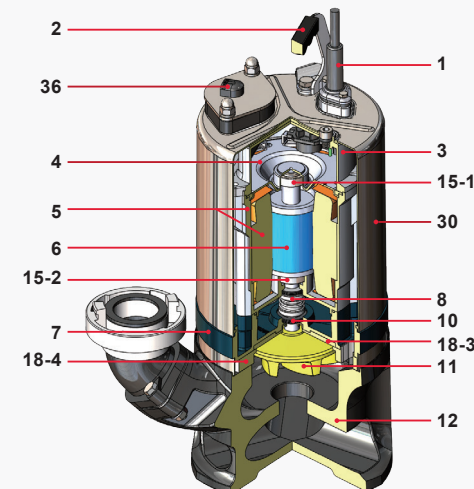
KLIXON protector provides protection against overheating from all running and stalled rotor conditions including:

- Plugging duty
- Stalling or failure to start
- Heavy overloads
- High ambient
- Ventilation failures



Dimensions (mm)

Type	A	A1	A2	A3	H1	H2	H3
50EUBL-5.10	270	152	96	54	475	151	191

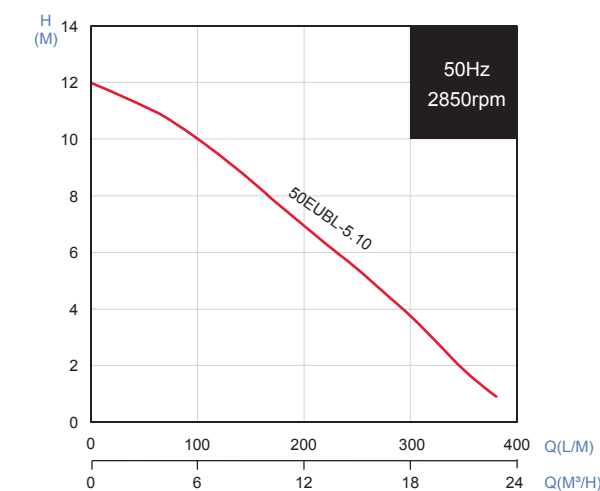


Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Steel + NBR
3	Motor Cover	ADC 12
4	Upper Bearing Bracket	Steel
5	Motor Housing + Stator	ADC 12 / Steel
6	Shaft with Rotor	AISI 410
7	Oil Chamber	ADC 12
8	Mechanical Seal	CA/CE + SIC/SIC
10	Lip Seal	NBR
11	Impeller	Hytrel
12	Pump Casing	Hytrel
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI
18-3	Wearing Plate	PA 66 Plastic
18-4	Volute Liner	NBR
30	Outer casing	AISI 304
36	Air Exhaust	NBR / AISI 304

TPI is a family brand of NTN group.

Performance Curve



All technical information is subject to change without notice.

SUBMERSIBLE DEWATERING PUMP

EDW

SERIES 50HZ



High Efficiency
Closed Impeller



Chromium nickel material
Excellent against corrosion
Expelling solid design
on the back of the impeller

Features

- Efficient circumferential cooling for continuous duty
- Dry motor design with thermal auto-cut protector, protects motor from overheating
- Robust cable entry with epoxy potted sealing and strain-relief removes the risk of leakage into motor
- Ni Chrome Steel impeller for abrasive liquids
- In-line installation applicable by replacing strainer with a check valve or adapter flange
- Double Mechanical seal and lip seal to ensure long life operation

Applications

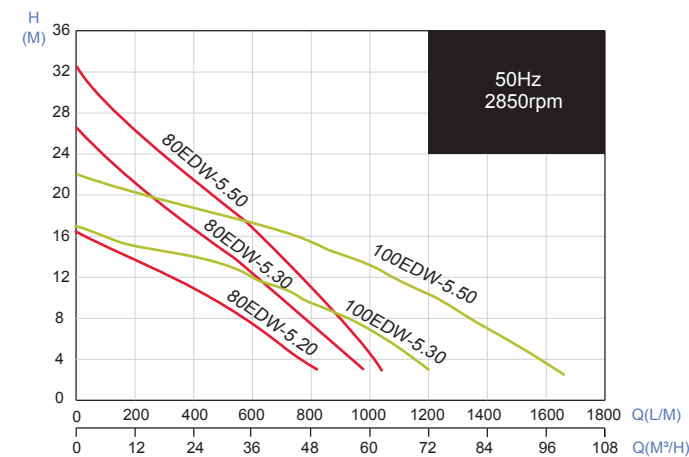
- Agriculture industry: irrigation and underground water
- Aquaculture industry: drainage and water supply of fresh water
- Extraction of water from rivers, lakes and reservoirs
- Landscape use and horticulture irrigation related operation

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg
80EDW-5.20(CH)	2	1.5	3"	11A	3.8A	9.5	500	16.4	820	10	45.2	44.2
80EDW-5.30(CH)	3	2.2	3"	15A	5.7A	14.5	500	26.5	980	10	46.6	45.6
100EDW-5.30(CH)	3	2.2	4"	15A	5.7A	9.5	800	17	1200	10	46.6	45.6
80EDW-5.50(CH)	5	3.7	3"	–	7.9A	21.5	400	32.4	1040	10	–	48.2
100EDW-5.50(CH)	5	3.7	4"	–	7.9A	12.5	1000	22	1680	10	–	48.2

» (CH) is optional for customized request model with high chrome enclosed impeller, heat treated ductile-iron suction plate and AISI 410 heat treated shaft

Performance Curve



All technical information is subject to change without notice.

Optional Accessories



Sacrificial anode
PEDW-SA-M10



Flange kits
3", 4" PEDW-FLK



Flange
3", 4" PEDW-FL



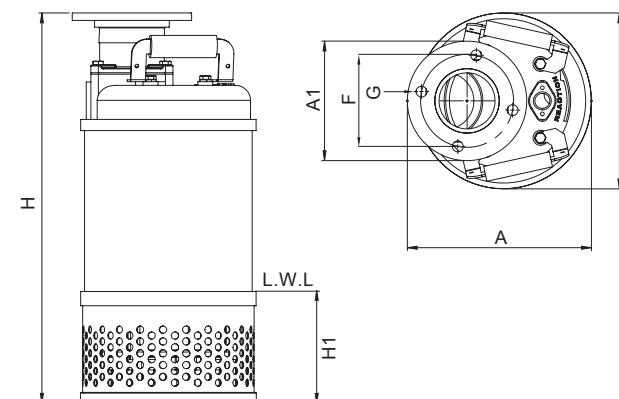
Adapter flange
3", 4" PEDW-ADF



Check valve
3", 4" PEDW-CKV



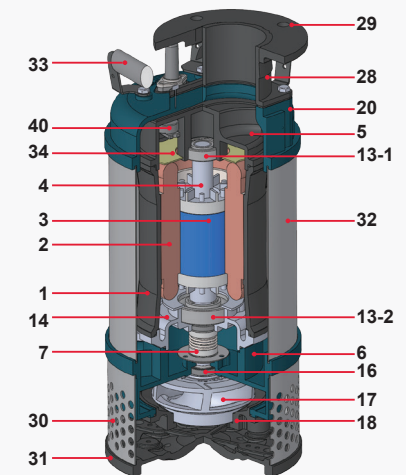
High chrome enclosed impeller
Heat treated ductile-iron suction plate
AISI 410 Heat treated shaft
(Optional for customized request)



Dimensions (mm)

Type	A	A1	A2	H	H1	F	G
80EDW-5.20S	247	160	235	568	209	125	14.5
80EDW-5.20T	247	160	235	523	187	125	14.5
80EDW-5.30S	260	185	235	568	209	150	14.5
80EDW-5.30T	260	185	235	523	187	150	14.5
100EDW-5.30S	260	185	235	568	209	150	14.5
100EDW-5.30T	260	185	235	523	187	150	14.5
80EDW-5.50T	260	185	235	548	187	150	14.5
100EDW-5.50T	260	185	235	548	187	150	14.5

» S : Single Phase ; T : Three Phase



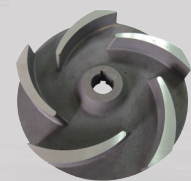
Parts and Material List

No.	Part	Material
1	Motor Frame	EN-GJL-200
2	Stator	
3&4	Shaft with Rotor	AISI 304
5	Motor Cover	EN-GJL-200
6	Pump Casing	EN-GJL-200
7	Mechanical Seal	Upper: CA/CE Lower: SIC/SIC
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Bottom Bearing Bracket	EN-GJL-200
16	Shaft Sleeve	AISI 304
17	Impeller	Ni Chrome Steel
18	Suction Plate	EN-GJL-200
20	Upper Cover	EN-GJL-200
28	Discharge	EN-GJL-200
29	Flange	EN-GJL-200
30	Strainer	AISI 304
31	Base Plate	EN-GJL-200
32	Outer Case	AISI 304
33	Handle	SC+PVC
34	Bracket	EN-GJL-200
40	Thermal Protector	KLIXON

TPI is a family brand of NTN group.



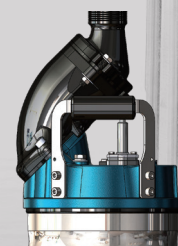
LIGHTWEIGHT SUBMERSIBLE DEWATERING PUMP EUB-M 2~7.5HP SERIES 50HZ



High Chrome Steel
Semi-open Impeller

Optional Central Elbow

Central Elbow Discharge Accessory



2" Central Elbow



3" Central Elbow

Features

- Semi-open impeller made of High Chrome Steel
- High resistance to abrasive liquids
- Stainless steel outer casing & strainer
- Double mechanical seal in CA/CA+SIC/SIC
- Heat Treated Stainless Steel Shaft in AISI 410
- Efficient circumferential cooling for continuous duty
- Robust construction with Aluminium material, 14~17% lighter than Cast Iron dewatering pump

Applications

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

Data Chart

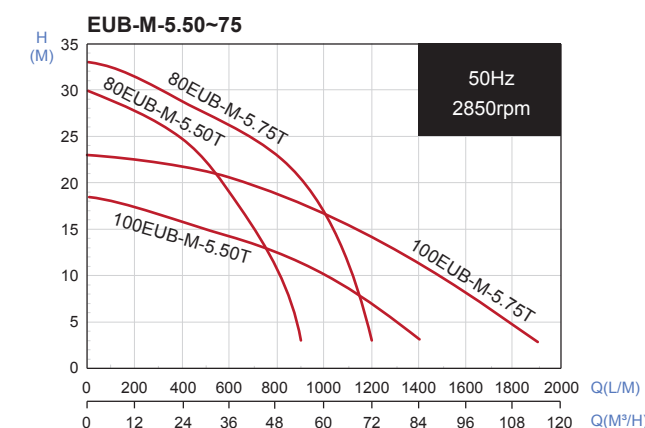
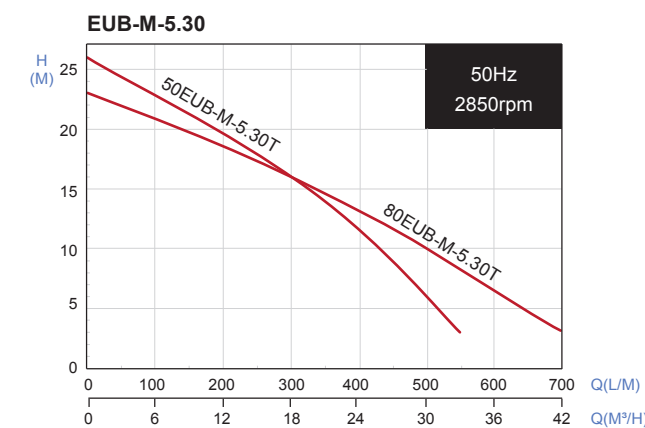
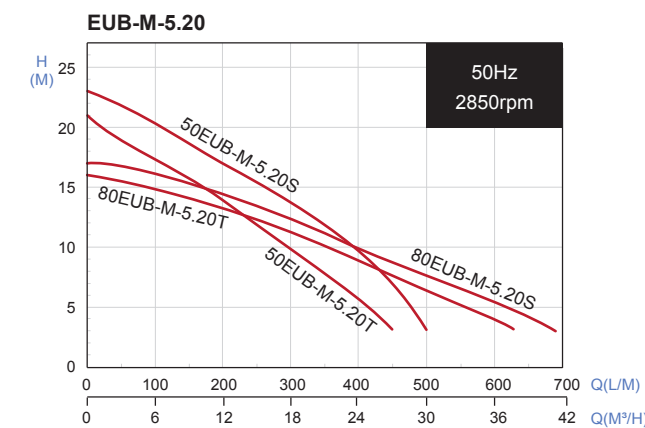
Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg
50EUB-M-5.20S	2	1.5	2"	12.5A	—	15	270	23	500	9	27.5	—
80EUB-M-5.20S	2	1.5	3"	12.5A	—	10	400	17	690	9	27.5	—
50EUB-M-5.20T	2	1.5	2"	—	3.5A	13	220	21	450	9	—	26.4
80EUB-M-5.20T	2	1.5	3"	—	3.5A	9	400	16	630	9	—	25.9
50EUB-M-5.30T	3	2.2	2"	—	5.2A	15	330	26	550	9	—	29.8
80EUB-M-5.30T	3	2.2	3"	—	5.2A	10	500	23	700	9	—	30.0
80EUB-M-5.50T	5	3.7	3"	—	9.5A	19	600	30	900	10	—	35.6
100EUB-M-5.50T	5	3.7	4"	—	9.5A	12.5	800	18.5	1400	10	—	34.9
80EUB-M-5.75T	7.5	5.5	3"	—	12.5A	25	680	33	1200	10	—	51.6
100EUB-M-5.75T	7.5	5.5	4"	—	12.5A	16	1060	23	1900	10	—	51.4

※ S: Single phase ; T: Three phase

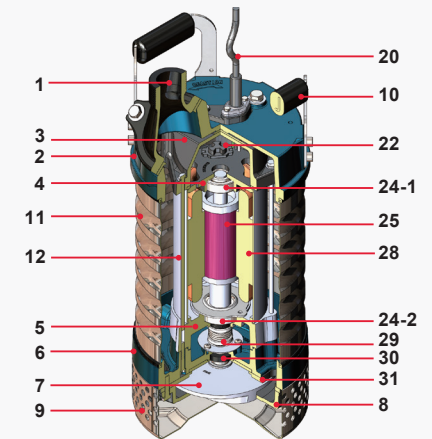
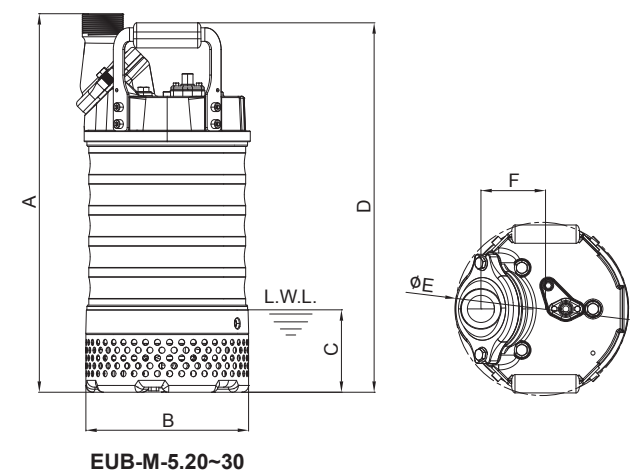
Specifications

Liquid Temperature		0~40°C (32~104°F)
Submersible depth		20M
Motor Part	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	Class F
Pump Part	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller

Performance Curve



All technical information is subject to change without notice.



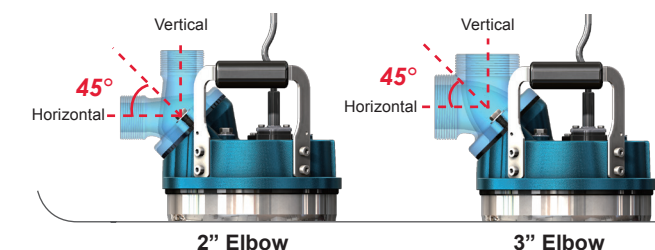
Parts and Material List

No.	Part	Material
1	Discharge	Al-Si7Mg
2	Upper Cover	Al-Si7Mg
3	Motor Cover	Al-Si7Mg
4	Upper Bearing Bracket	EN-GJL-200
5	Lower Bearing Bracket	Al-Si7Mg
6	Seal Bracket	Al-Si7Mg
7	Impeller	High Chrome Steel
8	Pump Casing	EN-GJL-200
9	Strainer	AISI 304
10	Handle	Steel/NBR
11	Outer Casing	AISI 304
12	Motor Frame	AISI 304
20	Power Cable	H07RN-F
22	Protector	KLIXON
24-1	Upper Bearing	NTN/TPI
24-2	Lower Bearing	NTN/TPI
25	Rotor and Shaft	AISI 410
28	Stator	
29	Mechanical Seal	Upper:CA/CE Lower:SIC/SIC
30	Lip Seal	NBR
31	Wearing Plate	Nylon PA 66

TPI is a family brand of NTN group.

Standard Discharge Elbow

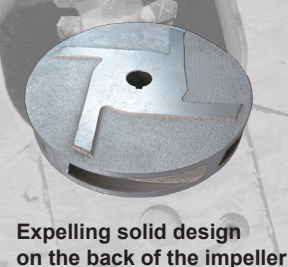
45° Elbow Bend to Select Discharge Direction



Dimensions (mm)

Type	A	B	C	D	E	F
50EUB-M-5.20	559	240	122	545	256	96
80EUB-M-5.20	555	240	122	545	274	107
50EUB-M-5.30	588	240	122	577	256	96
80EUB-M-5.30	587	240	122	577	274	107
80EUB-M-5.50	596	240	131	586	277	106
100EUB-M-5.50	586	240	131	586	288	106
80EUB-M-5.75	644	284	133	632	303	123
100EUB-M-5.75	633	284	133	632	320	127

LIGHTWEIGHT SUBMERSIBLE DEWATERING PUMP EUB-M 10~20HP SERIES 50HZ



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

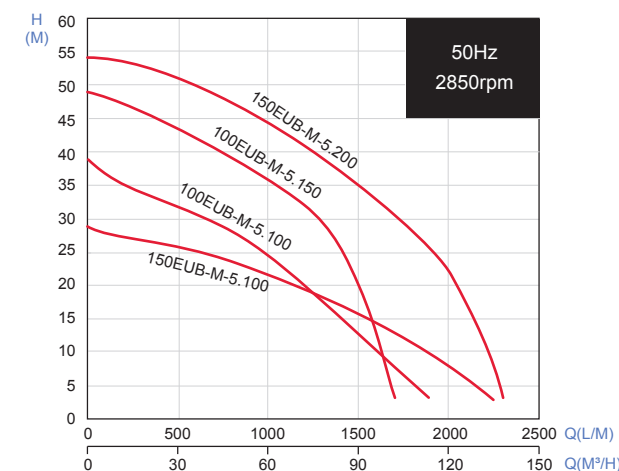
Applications

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

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		
100EUB-M-5.100	10	7.5	4"	—	16A	25	950	39	1850	10	74
150EUB-M-5.100	10	7.5	6"	—	16A	15	1500	29	2250	10	74.5
100EUB-M-5.150	15	11	4"	—	22A	35	1000	49	1700	10	90
150EUB-M-5.200	20	15	6"	—	29A	35	1500	54	2300	10	100

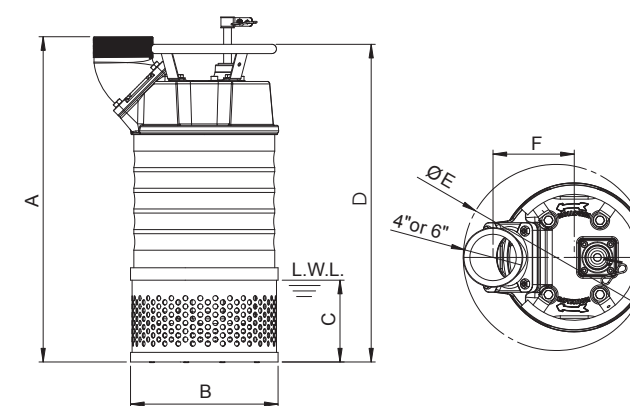
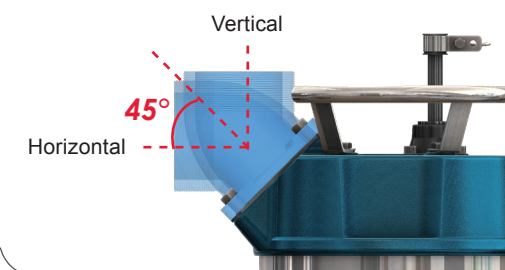
Performance Curve



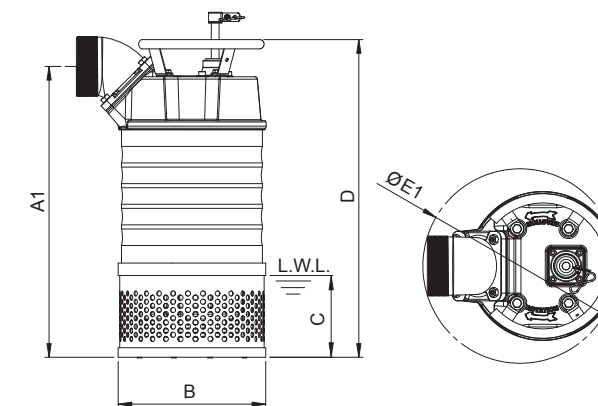
All technical information is subject to change without notice.

Standard Discharge Elbow

45° Elbow Bend to Select Discharge Direction



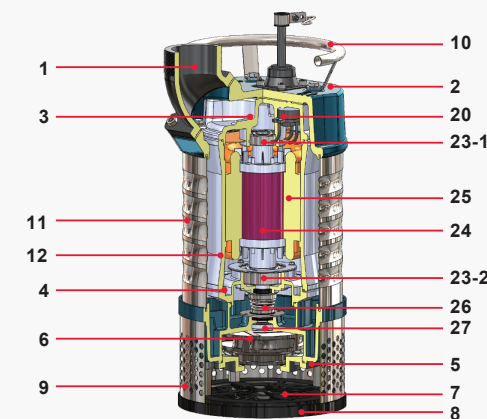
VERTICAL DISCHARGE MODE



HORIZONTAL DISCHARGE MODE

Dimensions (mm)

Type	A	A1	B	C	D	E	E1	F
100EUB-M-5.100	630	564	286	159	616	360	377	158
150EUB-M-5.100	637	579	286	159	616	390	389	173
100EUB-M-5.150	721	655	286	151	712	403	420	181
150EUB-M-5.200	721	665	286	151	712	423	440	201



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.



SUBMERSIBLE
DEWATERING PUMP
DIVA
SERIES 50HZ

Features

- Double mechanical seal CA/CE with SIC/SIC in oil bath
- Heavy-duty with drainage mode
- Protected with Yamada overload protector
- Top flange discharge with semi-circumferential cooling for continuous duty

Applications

- Lime slurries
- Mill scale
- Coal runoff sumps
- Wash down sumps
- Mining
- Tunneling
- Quarries

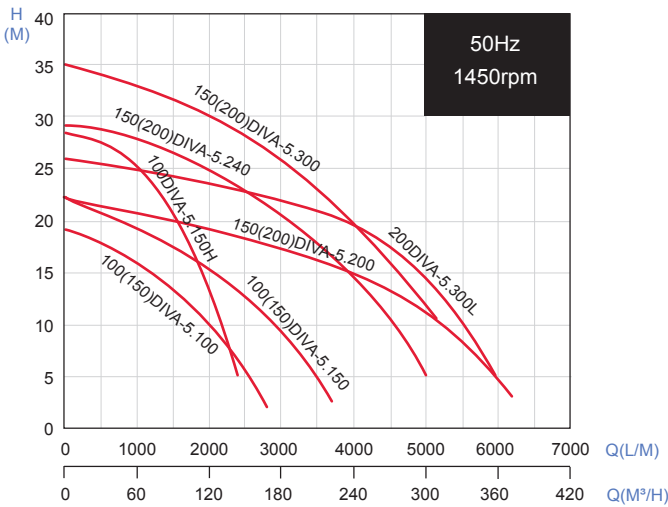
Data Chart

Type	Output		Discharge	F.L.A.	Rated		Maximum		Free Passage	Weight(W/O Cable)
	HP	kW	Inch	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	kg
100(150)DIVA-5.100	10	7.5	4"(6")	15A	13	1500	19	2800	20	150
100DIVA-5.150H	15	11	4"	22A	25	1000	28.5	2400	20	170
100(150)DIVA-5.150	15	11	4"(6")	22A	15	2000	22	3700	20	175
150(200)DIVA-5.200	20	15	6"(8")	31.9A	15	4000	22	6200	25	250
150(200)DIVA-5.240	24	18	6"(8")	35.5A	21	3000	29	5000	25	360
150(200)DIVA-5.300	30	22	6"(8")	44.6A	20	3800	35	5200	25	390
200DIVA-5.300L	30	22	8"	44.6A	15	4900	26	6000	25	400

Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	20M
	Frequency	50Hz
	Pole	4 Pole
	Type	Dry Type
Pump Part	Insulation	Class F
	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller

Performance Curve



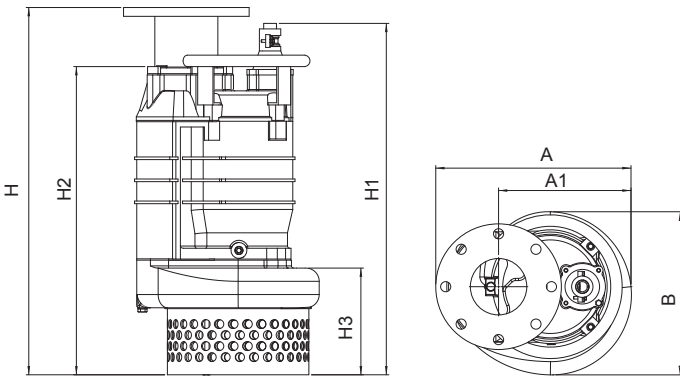
All technical information is subject to change without notice.



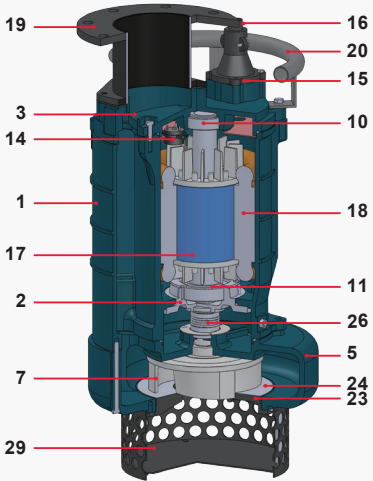
High Chrome Steel
Semi-open Impeller



Agitator (Optional)
EN-GJS-500



100(150)DIVA-5.100~5.150



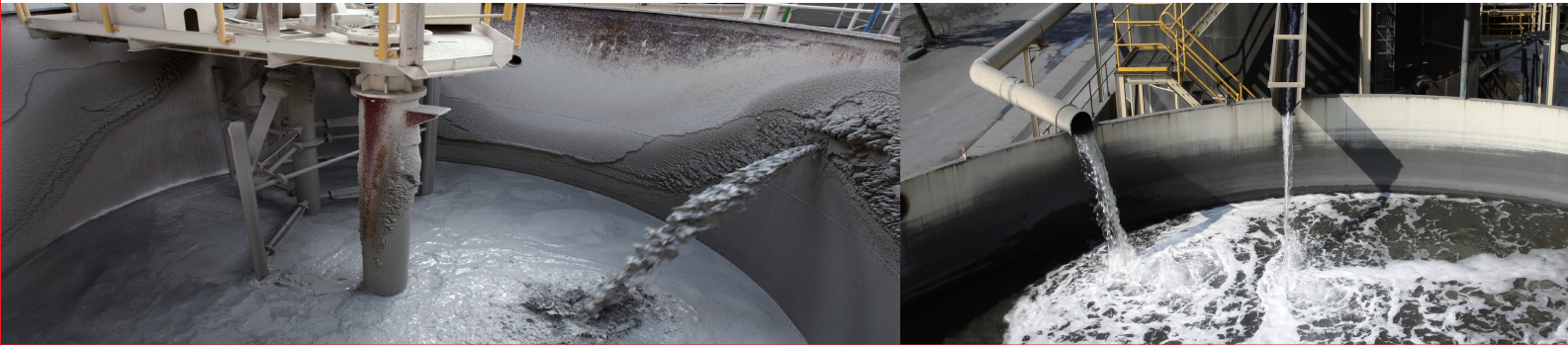
Parts and Material List

No.	Part	Material
1	Motor Frame	EN-GJL-200
2	Bearing Bracket	EN-GJL-200
3	Top Bracket	EN-GJL-200
5	Pump Casing	EN-GJL-200
7	Impeller	High Chrome Steel
10	Upper Bearing	NTN/TPI
11	Lower Bearing	NTN/TPI
14	Protector	YAMADA
15	Gland Holder	EN-GJL-200
16	Cable Gland	NBR
17	Shaft with Rotor	10~15HP: AISI 410 20~30HP: AISI 420
18	Stator	
19	Discharge	SC
20	Handle	SC
23	Suction Plate	10~20HP: High Chrome Steel 30HP: EN-GJL-200
24	Wearing Plate (30HP Only)	High Chrome Steel
26	Mechanical Seal	Upper:CA/CE ; Lower:SIC/SIC
29	Strainer	SC

TPI is a family brand of NTN group.

Dimensions (mm)

Type	A	A1	B	H	H1	H2	H3
100(150)DIVA-5.100	445	305	370	790	797	655	242
100DIVA-5.150H	445	305	370	790	797	655	242
100(150)DIVA-5.150	445	305	370	790	797	655	242
150(200)DIVA-5.200	515	350	455	970	940	830	282
150(200)DIVA-5.240	615	445	530	1165	1160	1025	345
150(200)DIVA-5.300	615	445	530	1165	1160	1025	345
200DIVA-5.300L	615	445	530	1165	1160	1025	345



SUBMERSIBLE
SLURRY PUMP
DIVA PRO
SERIES 50HZ



Features

- Double mechanical seal CA/CE with SIC/SIC in oil bath
- Heavy-duty with agitator mode
- Protected with Yamada overload protector
- Top flange discharge with semi-circumferential cooling for continuous duty

Applications

- Choice of industries that face the most difficult pumping applications
- Lime slurries
 - Mill scale
 - Coal runoff sumps
 - Wash down sumps
 - Mining
 - Tunneling
 - Quarries

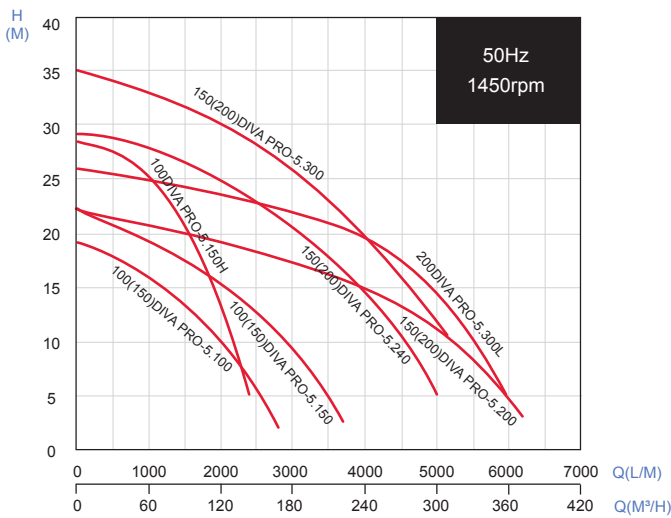
Data Chart

Type	Output		Discharge	F.L.A.	Rated		Maximum		Free Passage	Weight(W/O Cable)
	HP	kW	Inch	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	kg
100(150)DIVA PRO-5.100	10	7.5	4"(6")	15A	13	1500	19	2800	20	150
100DIVA PRO-5.150H	15	11	4"	22A	25	1000	28.5	2400	20	170
100(150)DIVA PRO-5.150	15	11	4"(6")	22A	15	2000	22	3700	20	175
150(200)DIVA PRO-5.200	20	15	6"(8")	31.9A	15	4000	22	6200	25	250
150(200)DIVA PRO-5.240	24	18	6"(8")	35.5A	21	3000	29	5000	25	360
150(200)DIVA PRO-5.300	30	22	6"(8")	44.6A	20	3800	35	5200	25	390
200DIVA PRO-5.300L	30	22	8"	44.6A	15	4900	26	6000	25	400

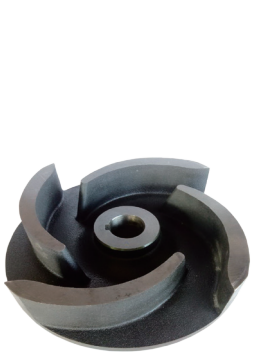
Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	20M
	Frequency	50Hz
	Pole	4 Pole
	Type	Dry Type
	Insulation	Class F
Pump Part	Protection	IP 68
	Protector	Auto-Cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Semi-open Impeller

Performance Curve



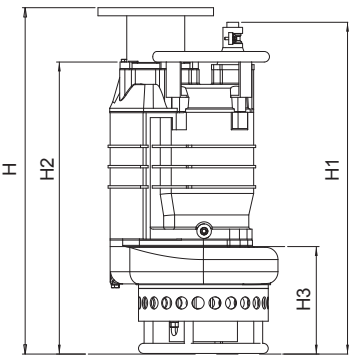
All technical information is subject to change without notice.



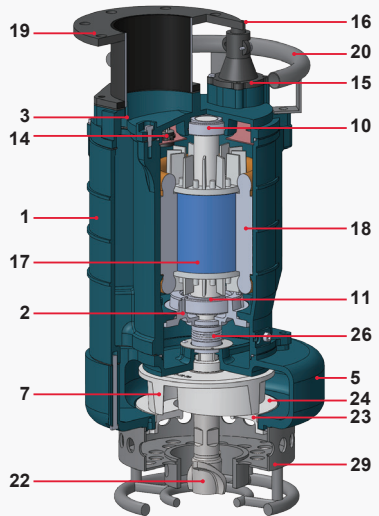
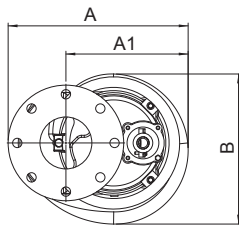
Semi-open Impeller



High Chrome Steel
Impeller with Agitator



100(150)DIVA PRO-5.100~5.150



Parts and Material List

No.	Part	Material
1	Motor Frame	EN-GJL-200
2	Bearing Bracket	EN-GJL-200
3	Top Bracket	EN-GJL-200
5	Pump Casing	EN-GJL-200
7	Impeller	High Chrome Steel
10	Upper Bearing	NTN/TPI
11	Lower Bearing	NTN/TPI
14	Protector	YAMADA
15	Gland Holder	EN-GJL-200
16	Cable Gland	NBR
17	Shaft with Rotor	10~15HP: AISI 410 20~30HP: AISI 420
18	Stator	
19	Discharge	SC
20	Handle	SC
23	Suction Plate	10~20HP: High Chrome Steel 30HP: EN-GJL-200
24	Wearing Plate (30HP Only)	High Chrome Steel
26	Mechanical Seal	Upper:CA/CE ; Lower:SIC/SIC
29	Strainer	SC

TPI is a family brand of NTN group.

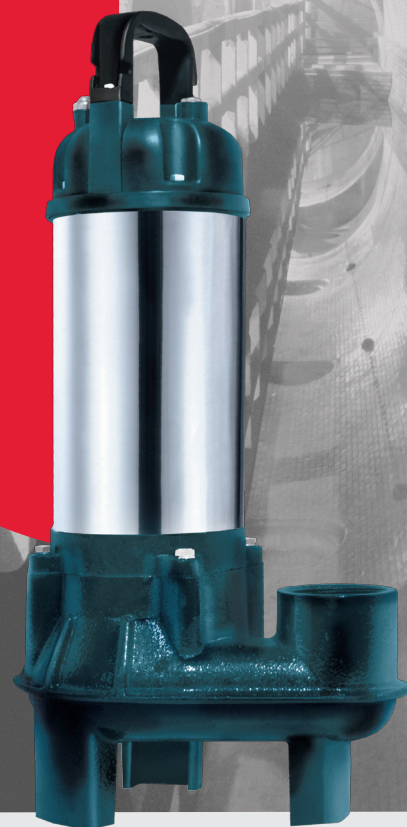
Dimensions (mm)

Type	A	A1	B	H	H1	H2	H3
100(150)DIVA PRO-5.100	445	305	370	855	820	720	265
100DIVA PRO-5.150H	445	305	370	855	820	720	265
100(150)DIVA PRO-5.150	445	305	370	855	820	720	265
150(200)DIVA PRO-5.200	520	350	455	1000	950	860	313
150(200)DIVA PRO-5.240	585	440	530	1160	1145	1010	330
150(200)DIVA PRO-5.300	585	440	530	1160	1145	1010	330
200DIVA PRO-5.300L	585	440	530	1160	1145	1010	330

2" FULL FREE PASSAGE SUBMERSIBLE SEWAGE PUMP

HIPPO

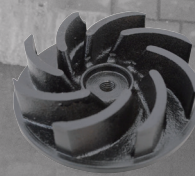
SERIES 50HZ



HIPPO-50Q



HIPPO-50Q+QH coupling foot



Vortex Impeller

Features

- Vortex impeller design
- 2" discharge with PT inner thread
- 2" (50mm) solid free passage
- EKK Eagle Burgmann double mechanical seal
- CA/CE & SIC/SIC
- Stainless Steel motor housing

Applications

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

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)	
	HP	kW	Inch	1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	1ø-kg	3ø-kg
HIPPO-50(Q)	0.5	0.37	2"	4.2A	1.6A	4.5	240	8	330	50	12.9 (14.3)	12.9 (14.3)
HIPPO-75(Q)	0.75	0.55	2"	5.5A	1.8A	6.4	240	10	390	50	13.9 (15.3)	13.9 (15.3)
HIPPO-100(Q)	1	0.75	2"	7.2A	2.5A	7.7	300	11.3	500	50	15.4 (16.8)	15.4 (16.8)
HIPPO-150(Q)	1.5	1.1	2"	9A	2.8A	8	390	12.5	580	50	24.2 (26.2)	24.2 (26.2)
HIPPO-200(Q)	2	1.5	2"	12A	3.9A	10	420	15.5	660	50	25.2 (27.2)	25.2 (27.2)

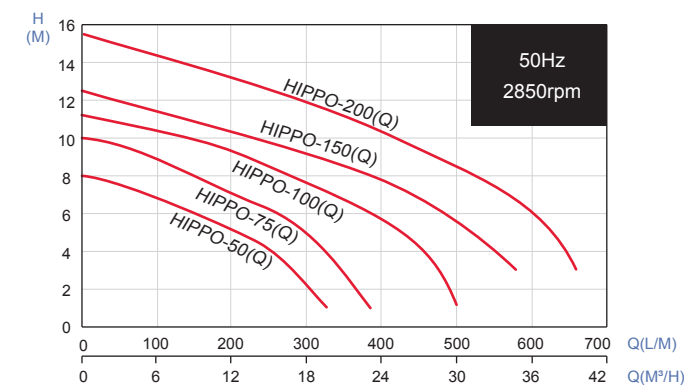
» HIPPO series standard version features a vertical, threaded outlet pump body.
» (Q) in the name-coding identifies the pump with horizontal flanged outlet.

» QH coupling foot is suitable for HIPPO Q type models.
» All single-phase pumps can be equipped with float switch upon request.

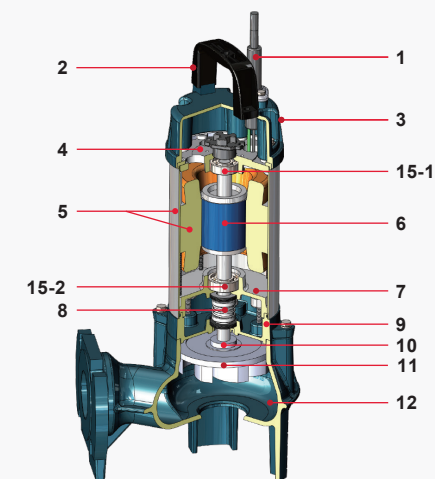
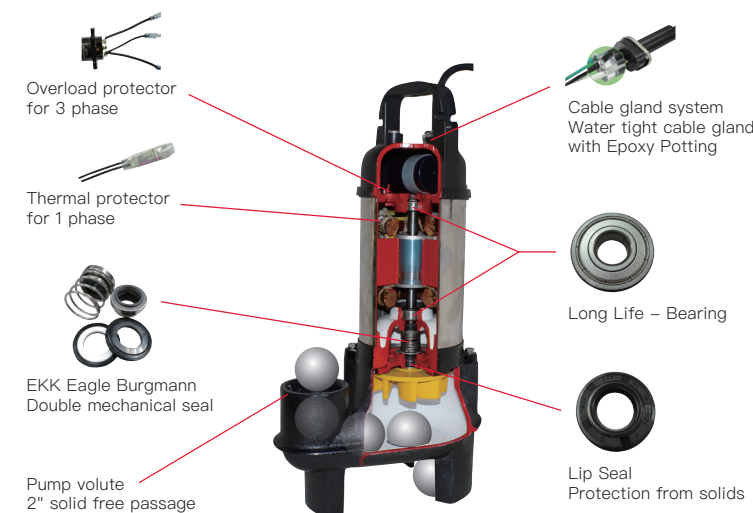
Specifications

Motor Part	Liquid Temperature		0~40°C (32~104°F)
	Submersible depth		10M
	Frequency	50Hz	
	Pole	2 Pole	
	Type	Dry Type	
	Insulation	0.5~1HP:Class B 1.5~2HP:Class F	
Pump Part	Protection	IP 68	
	Protector	Auto-cut	
	Bearing	Ball Type	
	Mechanical seal	Double Mechanical Seal	
	Impeller	Vortex Impeller	

Performance Curve



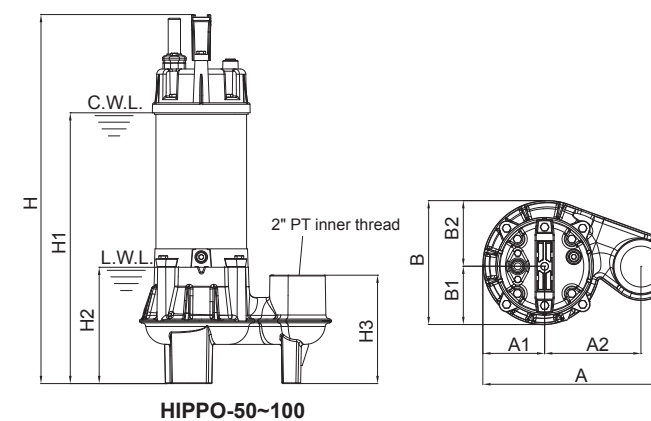
All technical information is subject to change without notice.



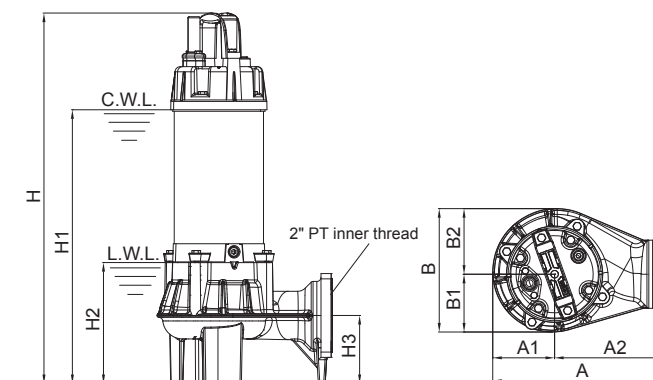
Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Nylon6
3	Motor Cover	PA66+30GF (0.5~1HP) EN-GJL-200 (1.5~2HP)
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

TPI is a family brand of NTN group.



HIPPO-50~100



HIPPO-50Q~100Q

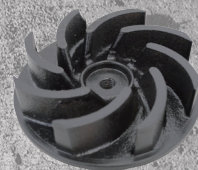
Dimensions (mm)

Type	A	A1	A2	B	B1	B2	H	H1	H2	H3
HIPPO-50	260	89	125	170	90	80	466	336	151	141
HIPPO-50Q	235	85	150	170	85	85	470	342	161	90
HIPPO-75	260	89	125	170	90	80	482	352	151	141
HIPPO-75Q	235	85	150	170	85	85	486	358	161	90
HIPPO-100	260	89	125	170	90	80	496	366	151	141
HIPPO-100Q	235	85	150	170	85	85	500	372	161	90
HIPPO-150	272	93	130	187	87	100	506	376	151	143
HIPPO-150Q	248	93	155	190	95	95	510	373	158	90
HIPPO-200	272	93	130	187	87	100	520	396	151	143
HIPPO-200Q	248	93	155	190	95	95	530	393	158	90

2.5" & 3" FULL FREE PASSAGE SUBMERSIBLE SEWAGE PUMP

HIPPO DN

SERIES 50HZ



Vortex Impeller



HIPPO-150 DN80 with QD-80



HIPPO-200 DN65

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

Data Chart

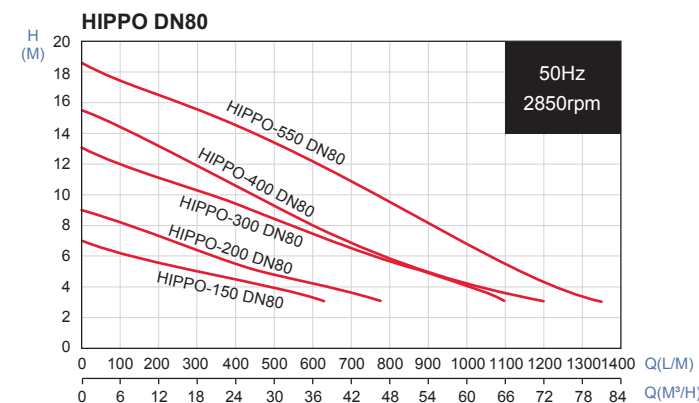
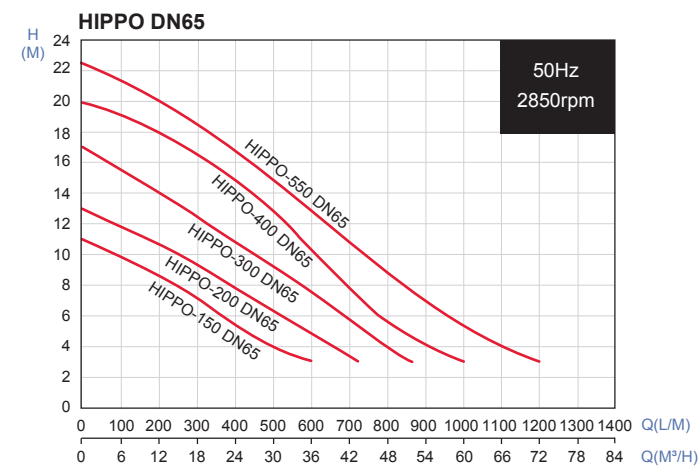
Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)		Q.D.C.
	HP	kW	Inch	1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	1ø-kg	3ø-kg	
HIPPO-150 DN65	1.5	1.1	2.5"	10A	3A	6.6	330	11	600	65	26.3	26.3	QM-65
HIPPO-200 DN65	2	1.5	2.5"	12A	3.9A	8.4	360	13	720	65	28.5	28.5	QM-65
HIPPO-300 DN65	3	2.2	2.5"	–	6A	12.6	300	17	870	65	–	29.6	QM-65
HIPPO-400 DN65	4	3	2.5"	–	6.5A	13	500	20	1000	65	–	37.3	QM-65
HIPPO-550 DN65	5.5	4.1	2.5"	–	9.1A	15	500	22.5	1200	65	–	39.3	QM-65
HIPPO-150 DN80	1.5	1.1	3"	10A	3A	4.4	415	7	630	76	29.6	29.6	QD-80
HIPPO-200 DN80	2	1.5	3"	12A	3.9A	5	460	9	780	76	31.8	31.8	QD-80
HIPPO-300 DN80	3	2.2	3"	–	6A	9.5	400	13	1100	76	–	32.9	QD-80
HIPPO-400 DN80	4	3	3"	–	6.5A	8	600	15.5	1200	76	–	39.1	QD-80
HIPPO-550 DN80	5.5	4.1	3"	–	9.1A	8	900	18.5	1350	76	–	41.1	QD-80

» All single-phase pumps can be equipped with float switch upon request.

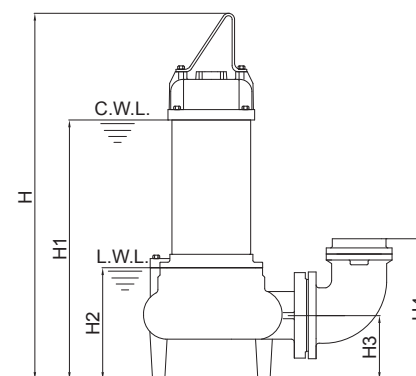
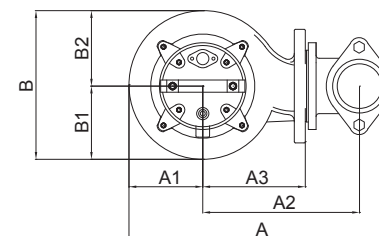
Specifications

Motor Part	Liquid Temperature	0~40°C (32~104°F)
	Submersible depth	10M
	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
Pump Part	Insulation	Class F
	Protection	IP 68
	Protector	Auto-cut
	Bearing	Ball Type
	Mechanical seal	Double Mechanical Seal
	Impeller	Vortex Impeller

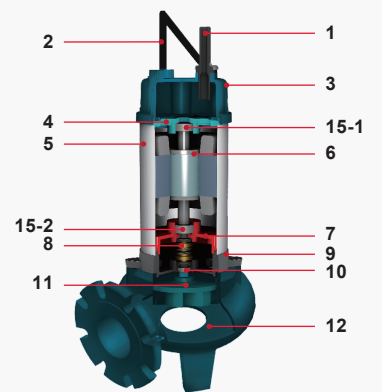
Performance Curve



All technical information is subject to change without notice.



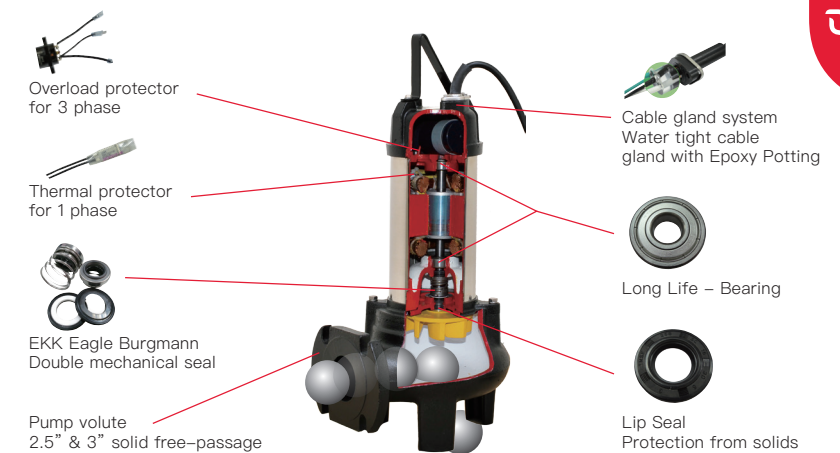
HIPPO-150-300 DN65



Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	SS41
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.



Dimensions (mm)

Type	A	A1	A2	A3	B	B1	B2	H	H1	H2	H3	H4
HIPPO-150 DN65	410	145	240	180	235	120	115	580	405	185	105	215
HIPPO-200 DN65	410	145	240	180	235	120	115	600	425	185	105	215
HIPPO-300 DN65	410	145	240	180	235	120	115	630	455	185	105	215
HIPPO-400 DN65	399	123	229	191	247	122	125	633	477	185	105	215
HIPPO-550 DN65	399	123	229	191	247	122	125	657	490	185	105	215
HIPPO-150 DN80	550	122	320	180	257	127	130	615	440	220	130	270
HIPPO-200 DN80	550	122	320	180	257	127	130	635	460	220	130	270
HIPPO-300 DN80	550	122	320	180	257	127	130	665	490	220	130	270
HIPPO-400 DN80	567	125	334	194	250	123	127	653	497	208	130	270
HIPPO-550 DN80	567	125	334	194	250	123	127	685	518	208	130	270

STAINLESS STEEL AISI 316
SUBMERSIBLE VORTEX SEWAGE PUMP

STEEL
SERIES 50HZ



50(80)STEEL-5.20~30

50STEEL-5.05~10

Watertight Corrugated
Cable Sleeve (optional)
Acid/Alkali Resistant
Plastic Composite Material

Features

- Vortex impeller design
- Loss wax Stainless Steel AISI 316
- Large impeller clearance
- Viton gaskets, o-rings and lip seal are used throughout pump sealing
- Optional epoxy based nano-coating to extend pump life time
- Optional acid/alkali resistant cable sleeve

Applications

- Drainage for typical, chemical, pharmaceutical industries
- Wastewater with corrosive contaminant
- Wastewater treatment plant

Data Chart

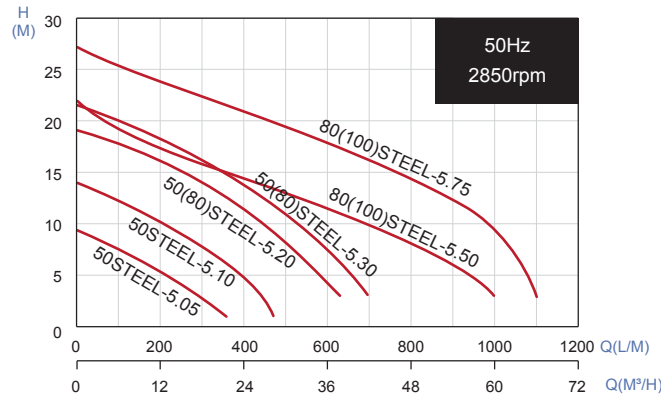
Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)		Q.D.C.
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM		1ø-kg	3ø-kg	
50STEEL-5.05	0.5	0.37	2"	3.5A	1.4A	5.4	200	9.5	360	35	13	12.4	SQS-50
50STEEL-5.10	1	0.75	2"	6A	2.5A	9	250	14	470	35	15.4	15.7	SQS-50
50(80)STEEL-5.20	2	1.5	2"(3")	10.5A	4.5A	12	375	19	630	45	31.2	29.7	SQM-80
50(80)STEEL-5.30	3	2.2	2"(3")	12.6A	5.7A	14.7	360	21.5	700	45	32.8	31.3	SQM-80
80(100)STEEL-5.50	5	3.7	3"(4")	-	7.2A	13	500	22	1000	45	-	48	SQM-100
80(100)STEEL-5.75	7.5	5.5	3"(4")	-	10.8A	18	595	27	1110	45	-	53.8	SQM-100

» 50STEEL-5.05~10 : Flange Type

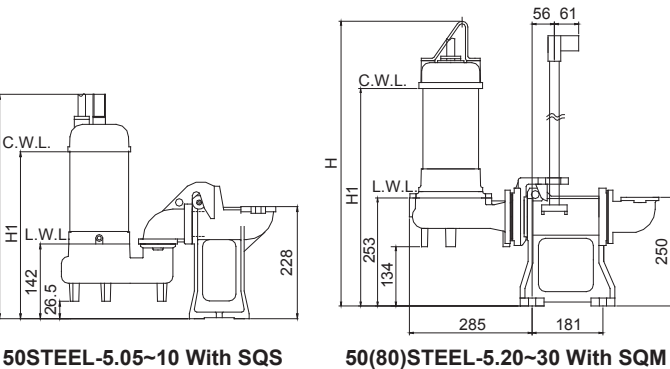
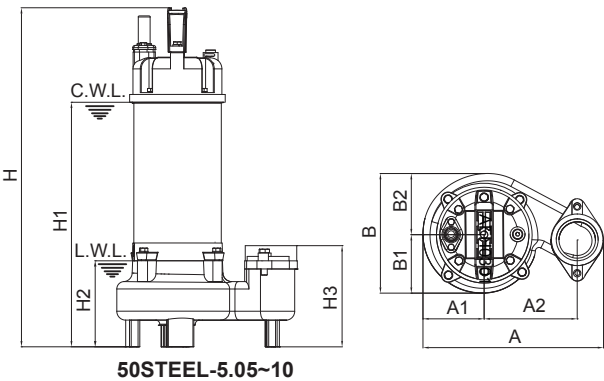
» 50(80)STEEL-5.20~30 : Elbow Type

» 80(100)STEEL-5.50~75 : Elbow Type

Performance Curve

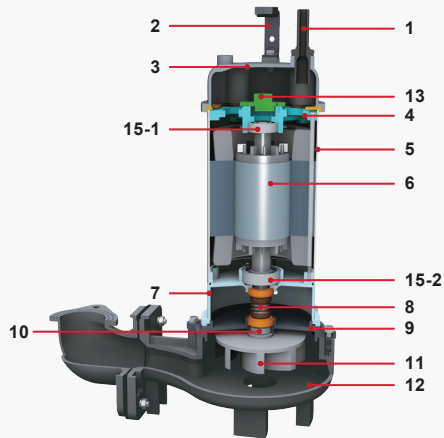


All technical information is subject to change without notice.



50STEEL-5.05~10 With SQS

50(80)STEEL-5.20~30 With SQM



Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	Nylon 6(0.5-1HP) ; AISI 316 (2-7.5HP)
3	Motor Cover	AISI 316
4	Bracket	EN-GJL-200
5	Motor Housing + Stator	AISI 316
6	Shaft with Rotor	AISI 316
7	Oil Chamber	EN-GJL-200(0.5-1HP) ; AISI 316(2-7.5HP)
8	Mechanical Seal	Upper : CA / CE Lower : SIC / SIC
9	Seal Housing	AISI 316
10	Oil Seal	Viton
11	Impeller	AISI 316
12	Pump Casing	AISI 316
13	Protector	KLIXON
15-1	Upper Bearing	NTN/TPI
15-2	Lower Bearing	NTN/TPI

TPI is a family brand of NTN group.

Dimensions (mm)

Type	A	A1	A2	A3	B	B1	B2	H	H1	H2	H3
50STEEL-5.05	228	75	120	N/A	150	70	80	425	297	117	138
50STEEL-5.10	228	75	120	N/A	150	70	80	455	327	117	138
50(80)STEELS-5.20	390	103	235	154	208	104	104	532	400	150	152
50(80)STEEL-5.30S(T)	390	103	235	154	208	104	104	572(552)	440(420)	150	152
80(100)STEELS-5.50	466	100	274	177	210	95	115	633	468	160	225
80(100)STEEL-5.75	466	100	274	177	210	95	115	673	508	160	225

- » Note1 : S: Single Phase ; T: Three Phase
- » Note2 : Automatic models are available in single-phase versions(0.5~3HP).
- » Note3 : Q.D.C. (Quick Discharge Connection) is available for all models.

STEEL with SQS/SQM

Type	Output		Discharge		Dimensions(mm)	
	HP	KW	Inch	mm	H	H1
STEEL with SQS	0.5	0.37	2"	50	445	322
	1	0.75	2"	50	475	352
STEEL with SQM	2	1.5	2"(3")	50(80)	660	534
	3	2.2	2"(3")	50(80)	S:710;T:690	S:574;T:554
	5	3.7	3"(4")	80(100)	769	604
	7.5	5.5	3"(4")	80(100)	809	644



SUBMERSIBLE GRINDER PUMP

ALLIGATOR

SERIES 50HZ

Grinder Ability



Features

- Robust construction
- Superior heat dissipation
- EKK Eagle Burgmann double mechanical seal CA/CE & SIC/SIC
- Semi-open impeller design prevents clogging by ground solids
- Radial grinder kit made in AISI 440C, corrosion resistant material and hardened to 55–60 HRC
- Specially designed high torque startup by centrifugal switch built-in for single phase motor
- Direct connect to pipe with horizontal discharge with inner thread
- Built-in Run/Start Capacitor(1 Phase only)

Specifications

Liquid Temperature		0~40°C (32~104°F)	
Submersible depth		10M	
Motor Part	Frequency	50Hz	
	Pole	2 Pole	
	Type	Dry Type	
	Insulation	1.5~3HP:Class B ; 5~7.5HP:Class F	
Pump Part	Protection	IP 68	
	Protector	Auto-Cut	
	Bearing	Ball Type	
	Mechanical seal	Double Mechanical Seal	
	Impeller	Semi-open Impeller	

Applications

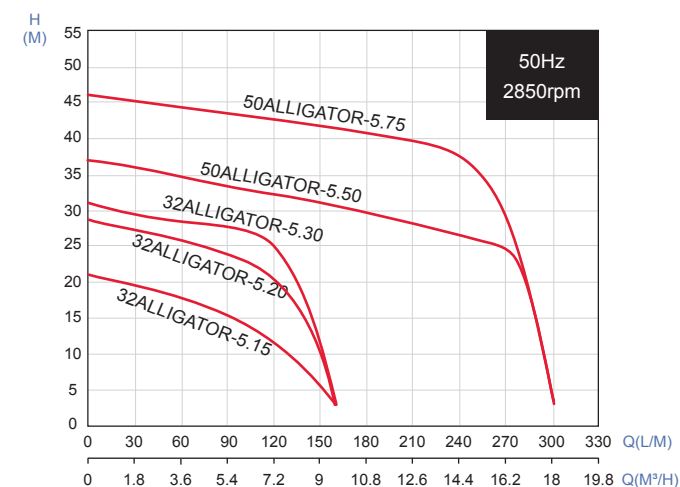
- Wastewater treatment
- Sewage water
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, motels.
- Transferring wastewater, schools, federal, state and local parks
- To transfer various wastewater and sewage

Data Chart

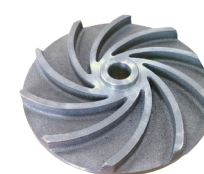
Type	Output		Discharge	F.L.A.		Rated		Maximum		Weight(W/O Cable)	
	HP	kW		1ø 230V	3ø 400V	Head M	Cap. LPM	Head M	Cap. LPM	1ø-kg	3ø-kg
32ALLIGATOR-5.15	1.5	1.1	1-1/4"	9.4A	3.3A	15.5	90	21	160	29.4	29.4
32ALLIGATOR-5.20	2	1.5	1-1/4"	11.5A	4.5A	23	100	28.5	160	32	32
32ALLIGATOR-5.30	3	2.2	1-1/4"	—	4.7A	25	120	31	160	—	33.6
50ALLIGATOR-5.50	5	3.7	2"	—	8.7A	26	250	37	300	—	41.2
50ALLIGATOR-5.75	7.5	5.5	2"	—	12.5A	36	250	46	300	—	46.2

» QG Guide rail systems for easy-out/easy-in plumbing is optional for 1.5~7.5HP.
 » All single-phase pumps can be equipped with float switch upon request.

Performance Curve



All technical information is subject to change without notice.



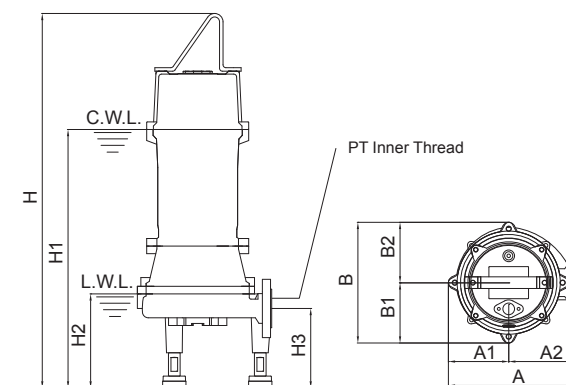
Semi-open Impeller



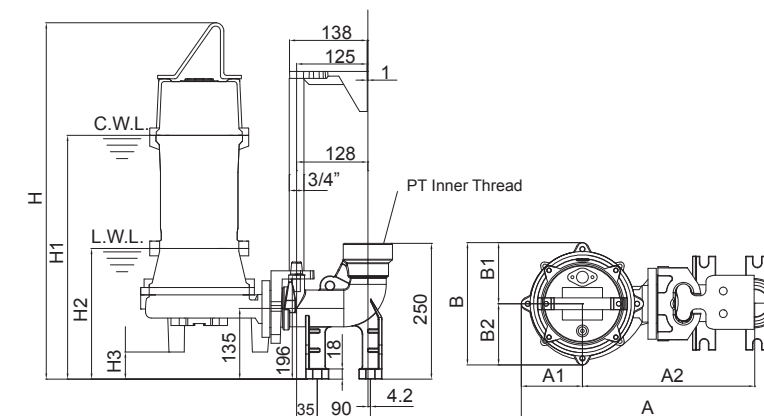
Bottom view of grinder

Grinder kit
AISI 440C / HRC55~60

QG Guide Rail



32ALLIGATOR-5.15~5.30

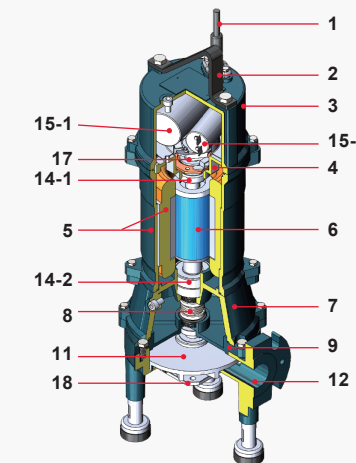


32ALLIGATOR-5.15~5.30 + QG

Dimensions (mm)

Type	A	A1	A2	B	B1	B2	H	H1	H2	H3
32ALLIGATOR-5.15(QG)	230(445)	102	128(300)	206	103	103	640(630)	445(432)	160(150)	135(50)
32ALLIGATOR-5.20(QG)	230(445)	102	128(300)	206	103	103	640(630)	445(432)	160(150)	135(50)
32ALLIGATOR-5.30(QG)	230(445)	102	128(300)	206	103	103	680(670)	485(472)	160(150)	135(50)
50ALLIGATOR-5.50(QG)	283(500)	119	164(337.3)	239	114	125	669(637)	509(477)	186(154)	151(29)
50ALLIGATOR-5.75(QG)	283(500)	119	164(337.3)	239	114	125	709(677)	549(517)	186(154)	151(29)

» (QG) identifies ALLIGATOR pump with QG Q.D.C.



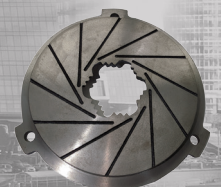
Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Handle	SS 41
3	Motor Cover	EN-GJL-200
4	Bracket	EN-GJL-200
5	Motor Housing + Stator	EN-GJL-200
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
11	Impeller	EN-GJL-200
12	Pump Casing	EN-GJL-200
14-1	Upper Bearing	NTN/TPI
14-2	Lower Bearing	NTN/TPI
15-1	Run Capacitor	1 Phase only
15-2	Start Capacitor	1 Phase only
17	Centrifugal switch	1 Phase only
18	Cutter Set	AISI 440C

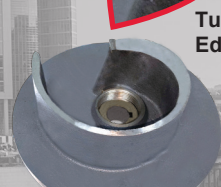
TPI is a family brand of NTN group.



SUBMERSIBLE CUTTER PUMP LEOPARD SERIES 50HZ



Suction Plate with radial
solid relief groove
EN-GJS-700



LEOPARD Impeller EN-GJL-200
with Tungsten Edge (89 HRA)

Tungsten
Edge

Features

- Non clog operation with cutting action
- Robust construction
- EKK Eagle Burgmann double mechanical seal CA/CE & SIC/SIC
- Built-in motor protection
- Tungsten Edge hardness is 89HRA
- Volute 4 inch connection available in JIS 10K, ANSI 125/150 and DIN PN10/16
- 3HP volute connection available for 3 inch in DIN PN10/16
- Adjustable clearance construction to maintain performance

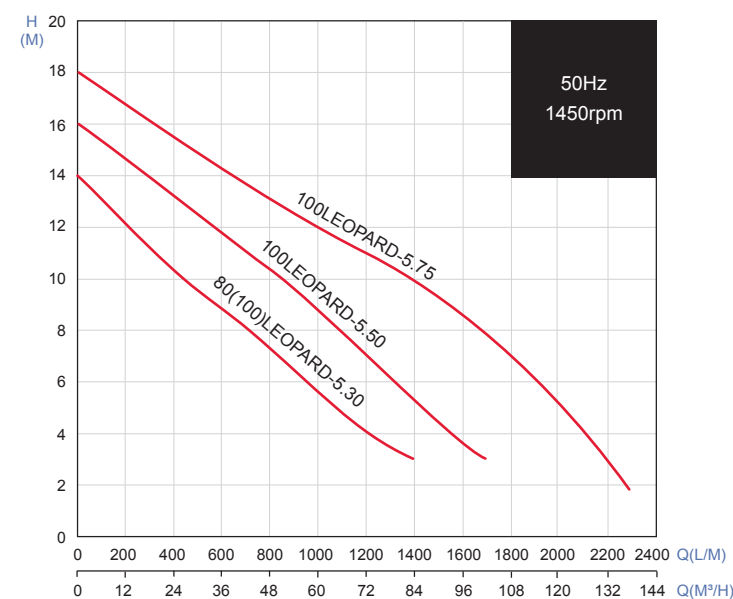
Applications

- Sewage
- Storm water drainage
- Wastewater
- Commercial building

Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Free Passage	Weight(W/O Cable)		Q.D.C
	HP	kW	Inch	1ϕ 230V	3ϕ 400V	Head M	Cap. LPM	Head M	Cap. LPM	mm	1ϕ–kg	3ϕ–kg	
80(100)LEOPARD-5.30	3	2.2	3"(4")	–	5A	8	700	14	1400	56	–	75	QL–100
100LEOPARD-5.50	5	3.7	4"	–	7.9A	11	700	16	1700	80	–	84	QL–100
100LEOPARD-5.75	7.5	5.5	4"	–	12.1A	13	800	18	2300	70	–	135	QL–100

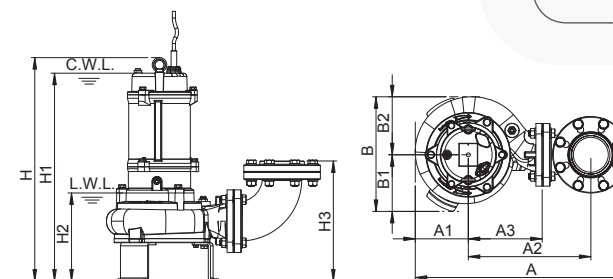
Performance Curve



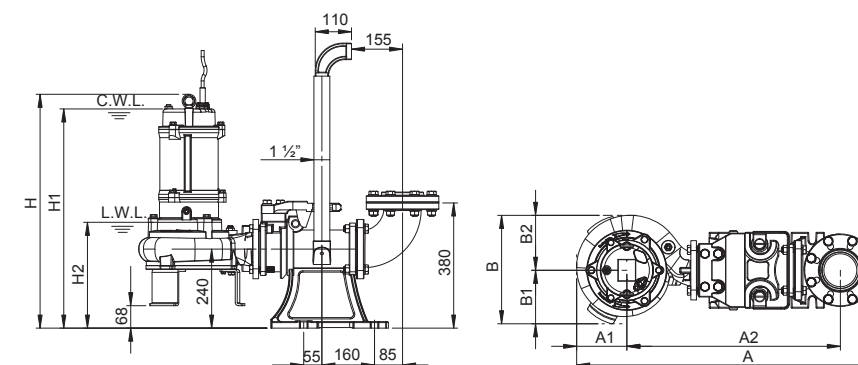
All technical information is subject to change without notice.



100LEOPARD-5.30~75

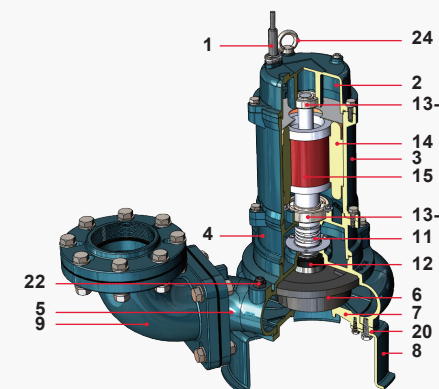


100LEOPARD-5.30~75 with QL-100 Q.D.C.



Dimensions (mm)

Type	A	A1	A2	A3	B	B1	B2	H	H1	H2	H3
100LEOPARD-5.30	615	152	352	212	330	163	167	642	597	253	345
100LEOPARD-5.50	635	159	372	216	340	173	167	700	645	260	355
100LEOPARD-5.75	686	194	387	260	410	205	205	810	770	335	430
100LEOPARD-5.30+QL	911	152	648	—	330	163	167	710	665	321	68
100LEOPARD-5.50+QL	935	159	668	—	340	173	167	768	713	328	68
100LEOPARD-5.75+QL	982	194	683	—	410	205	205	878	838	403	68



Parts and Material List

No.	Part	Material
1	Cable	H07RN-F
2	Motor Cover	EN-GJL-200
3	Motor Housing	EN-GJL-200
4	Oil Chamber	EN-GJL-200
5	Volute	EN-GJL-200
6	Impeller	EN-GJL-200
7	Suction Plate	EN-GJS-700
8	Pump Feet	SC
9	Discharge Elbow	EN-GJL-200
11	Mechanical Seal	Top: CA/CE Bottom: SIC/SIC
12	Lip Seal	NBR
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Stator	
15	Rotor with Shaft	AISI 410
20	Suction Plate Gasket	PE
22	Air Release Valve	PP
24	Eye bolt	AISI 304

TPI is a family brand of NTN group.