SUBMERSIBLE PUMPS CATALOGUE

SUB-CITY.CO.UK

SUB-CITY

THE DESTINATION FOR PUMPS

KEY FACTORS

Stock Availability

Customer Service

Knowledge & Expertise

Quality Products

PERFORMANCE RANGE

Model (50Hz)	Outlet	Motor power		Rated current (400V)	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
NYC	50-150	1.5-15	2-20	3.5-29.5	15-102	0.25-1.70	15-42	27-156	0.45-2.60	22-56	8.5-19.5
NYCA	50-100	1.5-5.5	2-7.5	3.5-11.4	12-60	0.25-1	8-30	27-105	0.45-1.75	14.5-34	8.5
AMS/A	50-150	0.25-15	0.35-20	2.0-29.5	6-102	0.1-1.7	7-30	12-168	0.2-2.8	8-57	6-19.5
PAR	25	0.48	0.65	3	6	0.10	8	10	0.17	11	6
SYD/A	50	0.48-0.75	0.65-1	3.0-5.0	7-10	0.12-0.17	8-11	13.5-18	0.23-0.3	11.5-15	6
LAX	50-80	0.4-0.75	0.55-1	3.0-5.0	7-12	0.12-0.20	8-11	12.6-18	0.21-0.3	12-18	6
BCN	100-200	22-45	30-60	41.5-80	66-270	1.1-4.5	35-75	130-372	2.17-6.2	48-90	6-20
MAD	150-200	55-110	75-150	100-198	90-270	1.5-4.5	90-150	180-408	3-6.8	65-200	8-20
MEX	50-100	1.5-5.5	2-7.5	3.5-11.4	15-60	0.25-1	7-24	30-100	0.5-1.67	14-32	10
MEXA	50-100	1.5-5.5	2-7.5	3.5-11.4	15-60	0.25-1	7-24	30-100	0.5-1.67	14-32	10
LND	80-200	4-37	5.5-50	10.2-69.8	60-200	1-3.33	10-33	99-390	1.65-6.5	14.8-42	30
RIO	80-150	2.2-11	3-15	5.5-22	36-120	0.6-2	10-17	72-246	1.2-4.1	12-22.5	20-30
BER	50	0.55	0.75	4-1.17	8	0.13	8	13.2	0.22	13	9

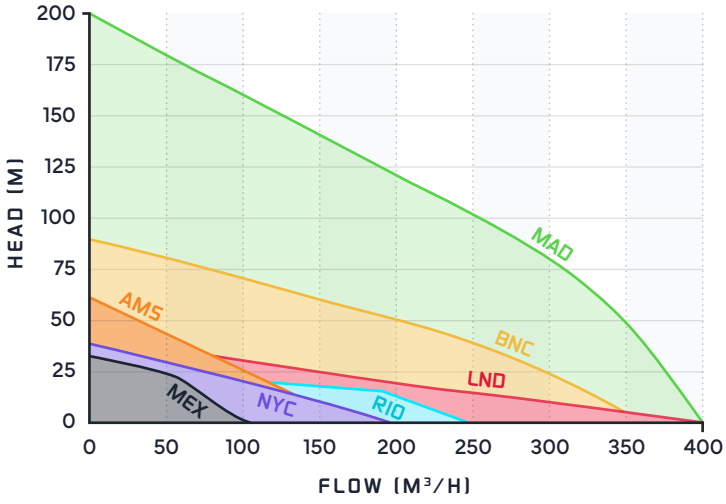
Overview

Our team of experts is committed to assisting you every step of the way, from developing an initial solution to selecting the right pump for your project. At Sub-city we prioritize delivering exceptional quality in every aspect of our offering.

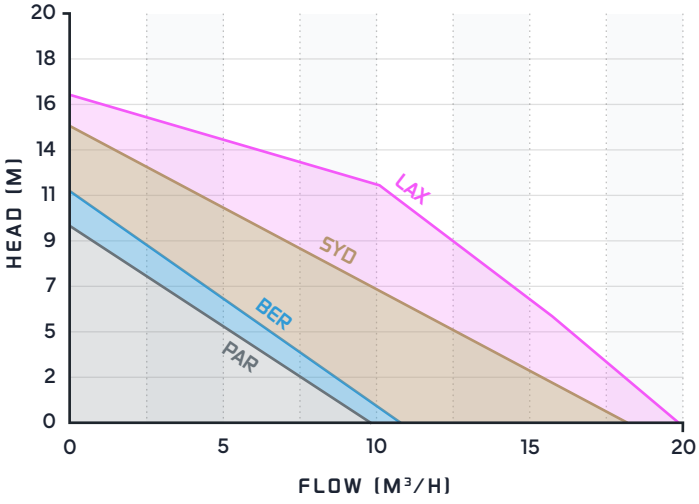
We understand the importance of our equipment and its impact on your operations. That's why our solutions are designed to provide unrivalled performance, ensuring effective water and wastewater management. We are proud to go beyond the basics by offering world-class expertise and support.

Our team is dedicated to understanding your unique requirements and providing tailored solutions that meet your needs. Whether you're dealing with complex applications or time-sensitive projects, our full-service solutions are designed to exceed your expectations.

Discover our range of submersible pumps, suitable for drainage, sand and slurry pumping.



High Flow, High Head Range



Low Flow, Low Head Range

OVERVIEW

NYC SERIES

NYC Submersible Dewatering Pump

SUB·CITY PUMPS

The NYC-series pumps are robust and versatile, suitable for draining in civil engineering and general pumping applications.

Their motor and pump casing are constructed from rigid cast iron, ensuring exceptional durability. They feature a special mechanical seal that increases the maximum submersion depth and high chrome semi-open impeller in combination with ductile iron wear plate to achieve superior durability.

The discharge channel is integrated into the motor housing, ensuring efficient cooling during operation. With a top outlet space-saving design, the NYC series discharge ranges from 50mm to 150mm and motor powers from 1.5kW to 15kW. The hermetically sealed motors below 15kW, are equipped with built-in thermal protection.

DETAILS

Technical Specifications

Capacity: up to 156 m^3/h
Head: up to 56 meters
Power: 1.5kW to 15kW
Power supply: Three phase 400V ± 50 Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 25m

Application

- Construction sites
- Mining and industrial sites
- Drainage and contaminated water
- General pumping purposes

Optional Features

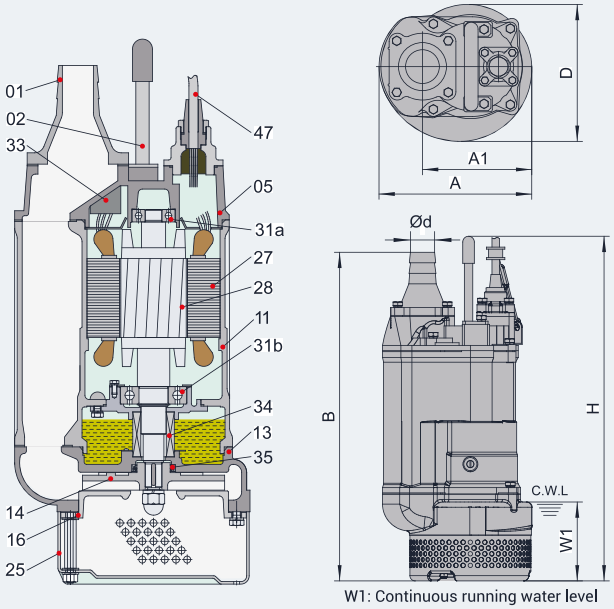
- Other voltages
- Other length of cable

DIMENSIONS

Model (50Hz)	d mm	A mm	A1 mm	B mm	D mm	H mm	W mm	N.W. kg	G.W. kg	Packing dimension mm
50NYC1.5	50	235	173	535	216	505	120	36	40	610x265x275
80NYC1.5	80	235	173	535	216	505	120	36	40	610x265x275
50NYC2.2	50	235	173	535	216	505	120	39	43	610x265x275
80NYC2.2	80	235	173	535	216	505	120	39	43	610x265x275
50NYC3.7	50	283	208	628	252	629	150	63	68	710x320x295
80NYC3.7	80	283	208	628	252	629	150	63	68	710x320x295
100NYC3.7	100	283	208	642	252	629	150	63	68	710x320x295
80NYC5.5	80	329	240	671	300	590	150	77	84	750x350x335
100NYC5.5	100	329	240	686	300	590	150	77	84	750x350x335
100NYC7.5	100	330	240	764	314	676	190	106	116	835x365x385
150NYC7.5	150	330	240	790	314	676	190	108	119	865x365x385
100NYC11	100	373	255	807	350	695	190	136	148	855x415x435
150NYC11	150	373	255	807	350	695	190	139	150	855x415x435
100NYC15	100	373	255	842	350	755	190	144	158	905x415x435
150NYC15	150	373	255	842	350	755	190	146	160	905x415x435

Material of Construction

Item no.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	High chrome alloy
16	Inlet plate	Ductile iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft:AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
33	Motor protector	
34	Mechanical seal	Sic-Sic/Carbon-Sic (2.2kW); Sic-Sic/Sic-Sic (≥3.7 kW)
35	Oil seal	
47	Cable	

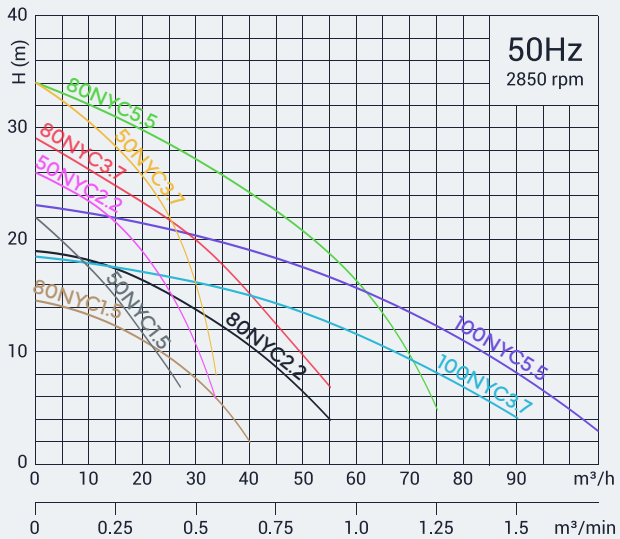


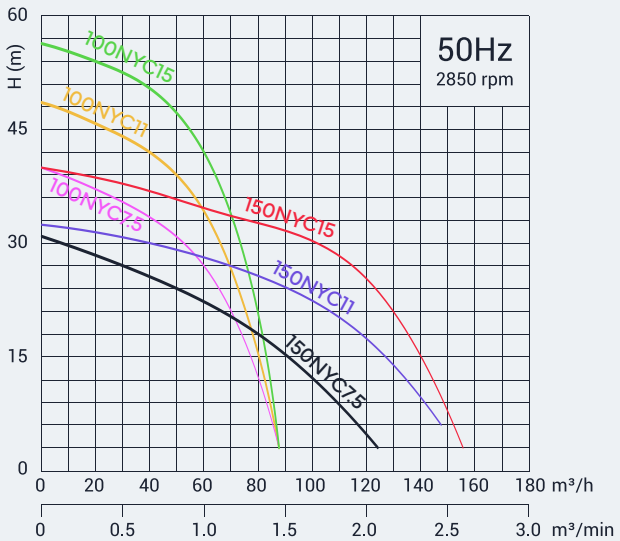
W1: Continuous running water level

Performance Range

Model (50Hz)	Outlet	Motor power		Rated current (400V)	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
50NYC1.5	50	1.5	2	3.5	15	0.25	15	27	0.45	22	8.5
80NYC1.5	80	1.5	2	3.5	30	0.50	8	40	0.67	14.5	8.5
50NYC2.2	50	2.2	3	5.0	18	0.30	20	33	0.55	26	8.5
80NYC2.2	80	2.2	3	5.0	36	0.60	11	55	0.92	19	8.5
50NYC3.7	50	3.7	5	7.7	12	0.20	30	33	0.55	34	8.5
80NYC3.7	80	3.7	5	7.7	30	0.50	20	55	0.92	29	8.5
100NYC3.7	100	3.7	5	7.7	60	1.0	11.5	90	1.50	18.5	8.5
80NYC5.5	80	5.5	7.5	11.4	36	0.60	25	75	1.25	34	8.5
100NYC5.5	100	5.5	7.5	11.4	60	1.0	16	105	1.75	23	8.5
100NYC7.5	100	7.5	10	15	48	0.80	30	84	1.40	40	11.5
150NYC7.5	150	7.5	10	15	90	1.50	15	124.8	2.08	31	19.5
100NYC11	100	11	15	22	60	1.0	35	84	1.40	48.5	11.5
150NYC11	150	11	15	22	102	1.70	22	147	2.45	32	19.5
100NYC15	100	15	20	29.5	60	1.0	42	84	1.40	56	11.5
150NYC15	150	15	20	29.5	102	1.70	30	156	2.60	40	19.5

Performance Curves





OVERVIEW

NYCA SERIES

NYCA Automatic Submersible Dewatering Pump

SUB·CITY PUMPS

The NYCA-series pumps are robust and versatile, suitable for draining in civil engineering and general pumping applications.

Their motor and pump casing are constructed from rigid cast iron, ensuring exceptional durability. They feature a special mechanical seal that increases the maximum submersion depth and high chrome alloy semi-open impeller in combination with ductile iron wear plate to achieve superior durability.

The discharge channel is integrated into the motor housing, ensuring efficient cooling during operation. With a top outlet space-saving design, the NYCA series discharge ranges from 50mm to 150mm and motor powers from 1.5kW to 15kW. The hermetically sealed motors below 15kW, are equipped with built-in thermal protection. NYCA operate automatically with a built-in intelligent control system, offering cost reduction in electricity consumption whilst optimizing performance.

DETAILS

Technical Specifications

Capacity: up to 105 m^3/h
Head: up to 34 meters
Power: 1.5kW to 5.5kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 25m

Application

- Construction sites
- Mining and industrial sites
- Drainage and contaminated water
- General pumping purposes

Optional Features

- Other voltages
- Other length of cable

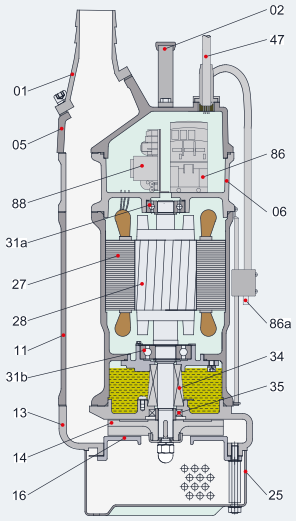
FEATURES

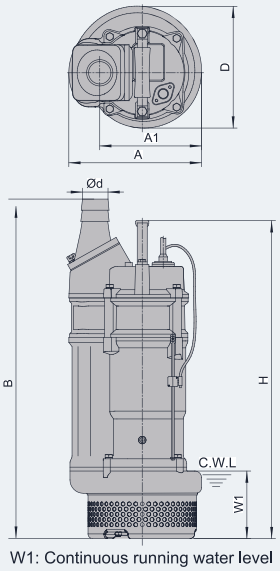
Key features of NYCA intelligent control system

- Protects against reverse phase, ensuring correct impeller rotation;
- Protects against open phase or impeller jam, thus prevents accidental damage;
- Automatically stops the pump in case of overload and abnormal voltage with recovery after 5 minutes;
- The pump stops working at high temperature and will automatically restart after cooling to the specified temperature;
- The water level sensor's height is adjustable to control pump operations;
- If the water drops below the water level probe, the pump will shut down and resume operations after an allotted time, which will be preprogrammed
- Rapid assessment of the pump's operation and malfunction history

Material of Construction

Item no.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Cast iron
06	Upper support	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14	Impeller	High chrome alloy
16	Inlet plate	Ductile iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft:AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Sic-Sic/Carbon-Sic (2.2kW); Sic-Sic/Sic-Sic (≥3.7 kW)
35	Oil seal	
47	Cable	
86	AC Contactor	
86a	Water level sensor	
88	Controller block	



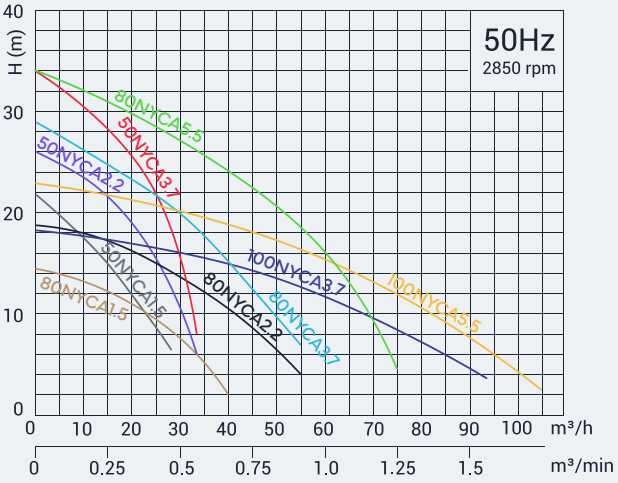


W1: Continuous running water level

Performance Range

Model (50Hz)	Outlet	Motor power		Rated current(400V)	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
50NYCA1.5	50	1.5	2	3.5	15	0.25	15	27	0.45	22	8.5
80NYCA1.5	80	1.5	2	3.5	30	0.50	8	40	0.67	14.5	8.5
50NYCA2.2	50	2.2	3	5.0	18	0.30	20	33	0.55	26	8.5
80NYCA2.2	80	2.2	3	5.0	36	0.60	11	55	0.92	19	8.5
50NYCA3.7	50	3.7	5	7.7	12	0.20	30	33	0.55	34	8.5
80NYCA3.7	80	3.7	5	7.7	30	0.50	20	55	0.92	29	8.5
100NYCA3.7	100	3.7	5	7.7	60	1.0	11.5	90	1.50	18.5	8.5
80NYCA5.5	80	5.5	7.5	11.4	36	0.60	25	75	1.25	34	8.5
100NYCA5.5	100	5.5	7.5	11.4	60	1.0	16	105	1.75	23	8.5

Performance Curves



Dimensions & Weight

Model (50Hz)	d	Am	A1	B	D	H	W1	N.W.	G.W.	Packing dimension
	mm	m	mm	mm	mm	mm	mm	kg	kg	mm
50NYCA1.5	50	235	190	613	216	582	120	41	45	680x265x275
80NYCA1.5	80	235	190	620	216	582	120	41	45	680x265x275
50NYCA2.2	50	235	190	613	216	582	120	44	48	680x265x275
80NYCA2.2	80	235	190	620	216	582	120	44	48	680x265x275
50NYCA3.7	50	283	223	703	252	707	150	71	76	790x320x305
80NYCA3.7	80	283	223	703	252	707	150	71	76	790x320x305
100NYCA3.7	100	283	223	728	252	707	150	72	77	790x320x305
80NYCA5.5	80	329	240	755	300	668	150	85.5	92.5	840x350x345
100NYCA5.5	100	329	240	780	300	668	150	86.5	93.5	840x350x345

SUB·CITY PUMPS

AMS / AMSA SERIES

AMS / AMSA Drainer Mini Tough Pump

OVERVIEW

The AMS / AMSA series are compact, high-performance, durable submersible pumps, used to handle abrasive liquids, commonly used in challenging jobs such as industrial sites, mines, public utilities and construction sites.

The pump body and parts that come into contact with water can be constructed from either cast iron or stainless steel, and can be fitted with either a high-chrome or stainless steel semi-open impeller, depending on the application requirements.

The discharge channel is integrated into the motor housing, ensuring efficient cooling during operation and the hermetically sealed motors are equipped with built-in thermal protection.

These pumps are also available with a built-in intelligent control system to operate automatically and reduce energy costs.

DETAILS

Technical Specifications

Capacity: up to 168 m^3/h

Head: up to 57 meters

Power: 0.25kW to 15kW

Power supply:
0.25kW ~ 1.5kW Single phase 220V ± 10%, 50Hz;
1.5kW ~ 15kW Three phase 400V ± 10%, 50Hz

Insulation class: F

Protection class: IP68

Water temperature: up to 40°C

Max. water depth: AMS 0.25 ~ 0.75 kW: 10m;
AMS 1.5-15kW: 25m

Application

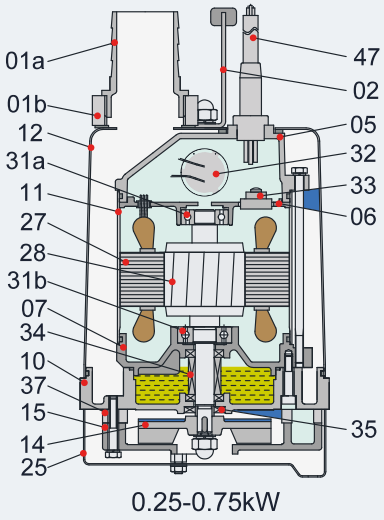
- Construction sites
- Mining and industrial sites
- Drainage and contaminated water
- General pumping purposes
- Sewage treatment plants

Optional Features

- Other voltages
- Other cable lengths

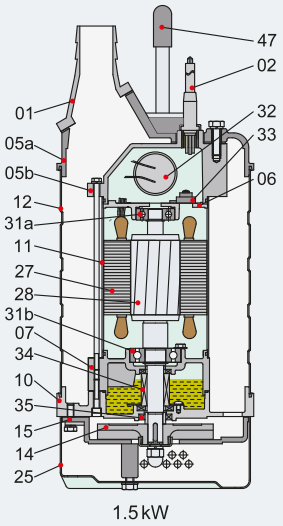
Material of Construction

Item No.	Part name	Material
01a	Hose coupling	ABS
01b	Hose coupling	PA66
02	Handle	Rubber & AISI304SS
05*	Upper cover	Cast iron
06	Up-bearing house	Aluminium die casting
07*	Bearing house	Cast iron
10*	Seal house	Cast iron
11	Motor casing	AISI304SS
12	Outer casing	AISI304SS
14*	Impeller	Ductile iron
15*	Diffuser	Cast iron
25	Strainer	AISI304SS
27	Stator	
28	Rotor	Shaft:AISI304SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	
33	Motor protector	
34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
35	Oil seal	
37	Gasket	NBR
47	Cable	H07RN-F

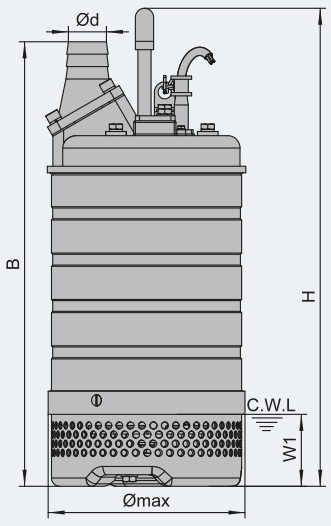


0.25-0.75kW

Item No.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05a	Upper cover	Cast iron
05b	Upper cover	Cast iron
06	Up-bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal bracket	Cast iron
11	Motor casing	Stainless steel
12	Outer casing	AISI304SS
14	Impeller	High chrome alloy
15	Diffuser	Ductile iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft:AISI304SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	(Single phase only)
33	Motor protector	
34	Mechanical seal	Sic-Sic/Carbon-Sic (≤2.2kW) Sic-Sic/Sic-Sic (3.7-5.5kW)
35	Oil seal	
47	Cable	H07RN-F



1.5kW



W1: Continuous running water level

Dimensions

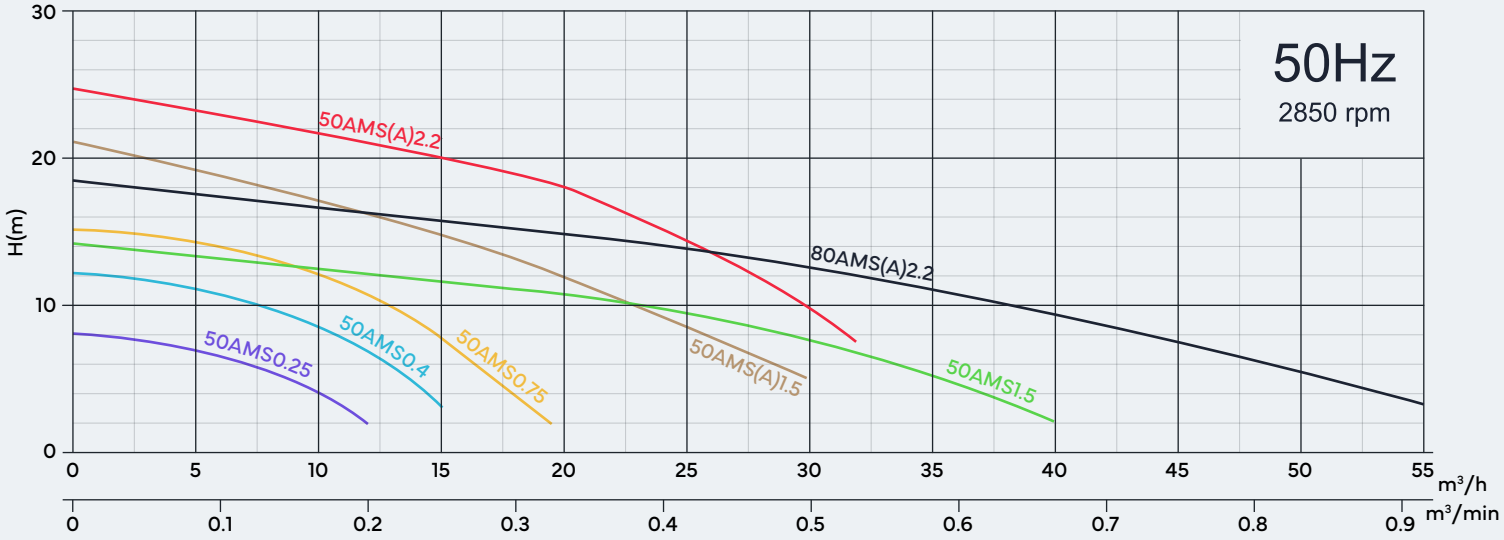
Model (50Hz)	H	B	Ø max	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	kg	kg	mm
50AMS0.25	345	342	184	50	14	15	385x225x250
50AMS0.4	345	342	184	50	15	16	385x225x250
50AMS0.75	365	362	184	50	17	18	405x225x250
50AMS1.5	582	560	240	87	37	41	660x270x315
80AMS1.5	582	567	240	87	37	41	660x270x315
50AMS(A)1.5	563	540	240	87	39	43	690x270x315
80AMS(A)1.5	563	547	240	87	39	43	690x270x315
50AMS(A)2.2	563	540	240	87	40	40	620x270x315
80AMS(A)2.2	563	547	240	87	40	44	620x270x315
50AMS(A)3.7	515	591	300	76	58	64	670x320x345
80AMS(A)3.7	515	591	300	76	58	64	670x320x345
100AMS(A)3.7	515	616	300	76	59	65	670x320x345
80AMS(A)5.5	555	631	300	76	66	72	710x320x355
100AMS(A)5.5	555	656	300	76	67	73	710x320x355
100AMS(A)7.5	700	810	355	142	108	120	895x395x455
150AMS(A)7.5	700	810	355	142	110	122	895x395x455
100AMS(A)11	745	855	355	142	123	135	925x395x455
150AMS(A)11	745	855	355	142	125	137	925x395x455
100AMS15	768	882	355	142	145	157	965x395x455
150AMS15	768	882	355	142	146	158	965x395x455

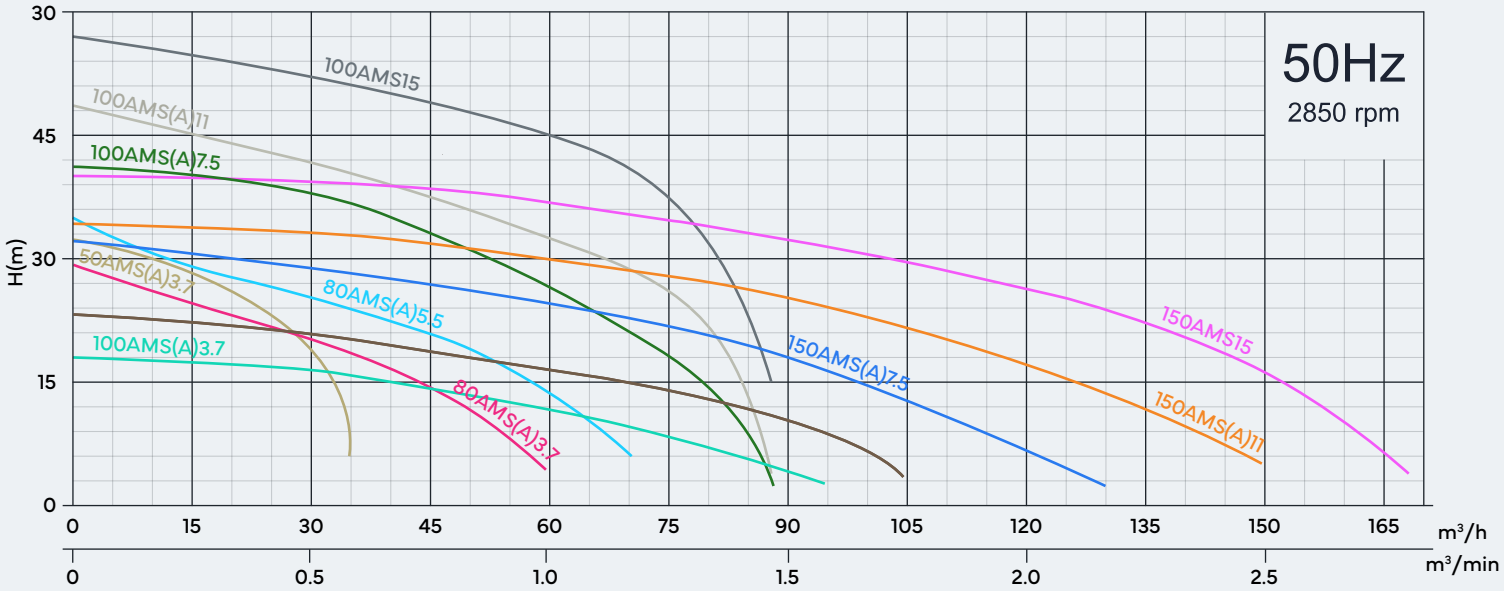
Performance Range

Model (50Hz)	Outlet	Motor power		Voltage	Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	V	A	m^3/h	m^3/min	m	m^3/h	m^3/min	m	mm
50AMS0.25	50	0.25	0.35	220	2	6	0.1	7	12	0.2	8	6
50AMS0.4	50	0.4	0.55	220	3	8	0.13	10	14.5	0.24	12	6
50AMS0.75	50	0.75	1	220	5	10	0.17	12	19.5	0.32	15	6
50AMS1.5	50	1.5	2	220	10	15	0.25	15	30	0.5	21	8.5
80AMS1.5	80	1.5	2	220	10	27	0.45	9	42	0.7	14	8.5
50AMS(A)1.5	50	1.5	2	400	3.5	15	0.25	15	30	0.5	21	8.5
80AMS(A)1.5	80	1.5	2	400	3.5	27	0.45	9	42	0.7	14	8.5
50AMS(A)2.2	50	2.2	3	400	5	20	0.33	18	32	0.53	25	8.5
80AMS(A)2.2	80	2.2	3	400	5	36	0.6	11	55	0.92	18.5	8.5
50AMS(A)3.7	50	3.7	5	400	7.7	18	0.3	26	36	0.6	32	8.5
80AMS(A)3.7	80	3.7	5	400	7.7	35	0.58	18.5	60	1	29	8.5
100AMS(A)3.7	100	3.7	5	400	7.7	60	1	11.5	95	1.58	18	8.5
80AMS(A)5.5	80	5.5	7.5	400	11.4	45	0.75	22	72	1.2	35	8.5
100AMS(A)5.5	100	5.5	7.5	400	11.4	60	1	16	105	1.75	23	8.5
100AMS(A)7.5	100	7.5	10	400	15	60	1	26	88	1.47	41	11.5
150AMS(A)7.5	150	7.5	10	400	15	80	1.33	20.5	130	2.17	32	19.5
100AMS(A)11	100	11	15	400	22	60	1	32	86.4	1.44	48.5	11.5
150AMS(A)11	150	11	15	400	22	90	1.5	25	150	2.5	34	19.5
100AMS15	100	15	20	400	29.5	60	1	45	86.4	1.44	57	11.5
150AMS15	150	15	20	400	29.5	102	1.7	30	168	2.8	40	19.5

Float switch option available

Performance Curves





SUB·CITY PUMPS

PAR SERIES

PAR Puddle Pump

OVERVIEW

The PAR series consists of portable residue dewatering pumps, capable of pumping water down to the floor, enabling the removal of even the smallest puddles.

These pumps are well-suited for complete drainage of flat surfaces, such as basements, parking lots, roads, and swimming pools, where a sump is not available.

They can continuously pump water at a minimal level of 1 mm, and they feature a swing valve that prevents the reverse flow of water when the pump is not in operation.

DETAILS

Technical Specifications

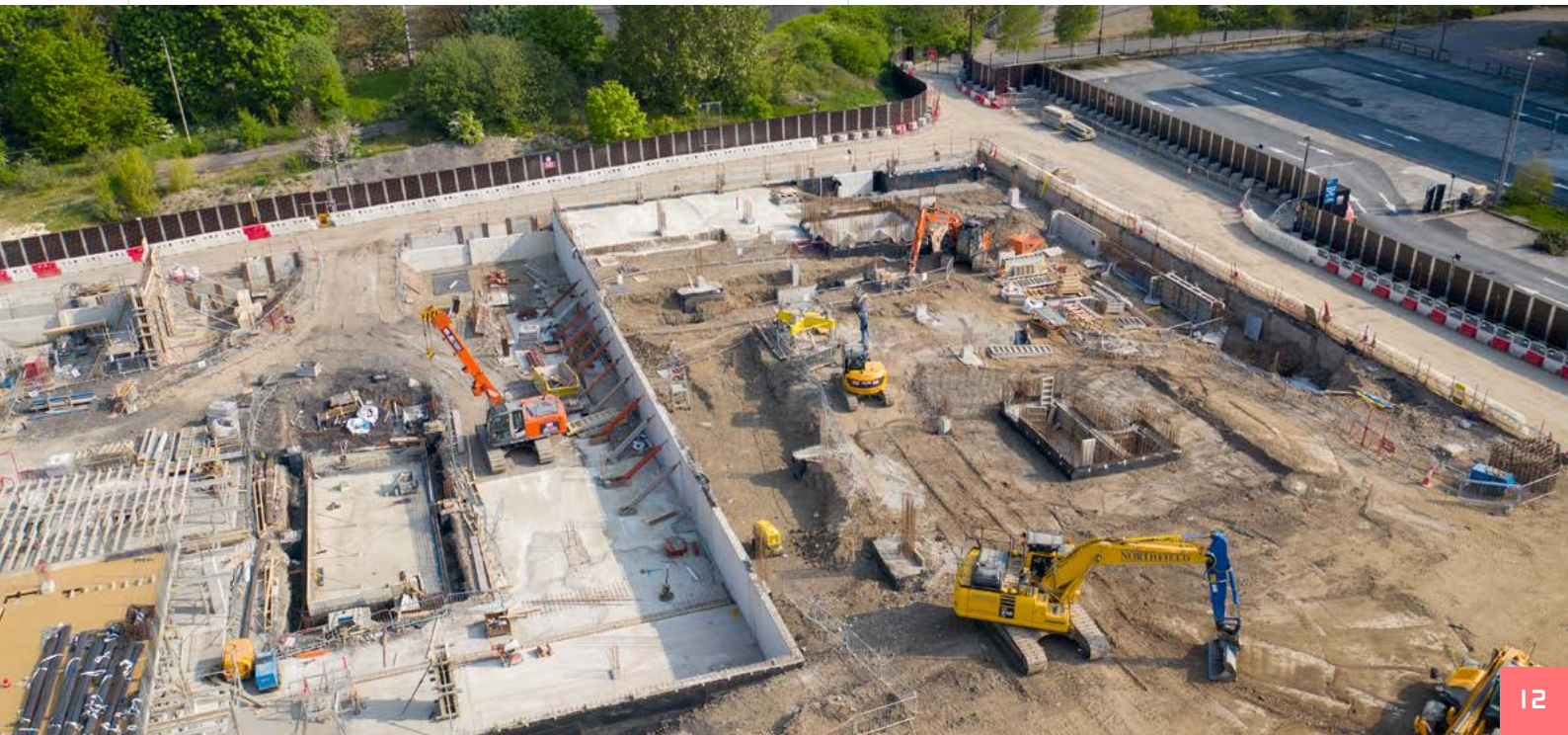
PH: 6.5 to 8.5
Power supply: Single phase 230V ±10%, 50 Hz
Insulation class: F
Protection class: IP68
Cable length: 10m
Water temperature: up to 40°C
Max. water depth: 10m

Application

- Civil engineering
- Building sites
- Basements or other utility pits
- Rainwater and mud water

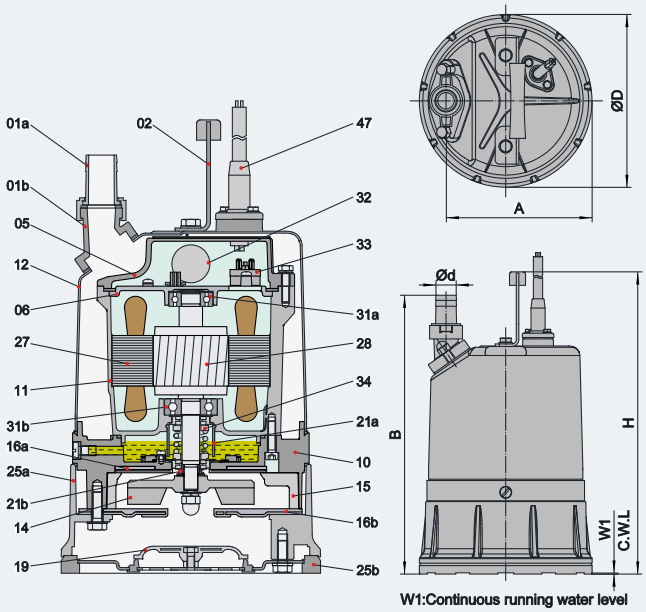
Optional Features

- Other voltages



Material of Construction

Item No.	Part name	Material
01a	Hose coupling	Aluminium die casting
01b	Hose coupling	Aluminium die casting
02	Handle	Rubber & steel
05	Upper cover	Aluminium die casting
06	Up-bearing house	Cast iron
10	Seal house	Aluminium die casting
11	Motor body	Aluminium die casting
12	Outer casing	Steel
14	Impeller	Ductile iron
15	Diffuser	NBR
16a	Plate	NBR & steel
16b	Intel plate	NBR & steel
19	Check value	NBR & steel
21a	Oil riser	NBR
21b	Sand guard	LDPE
25a	Strainers	Aluminium die casting
25b	Strainer	NBR & steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	
33	Motor protector	
34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
47	Cable	H07RN-F



Performance Range

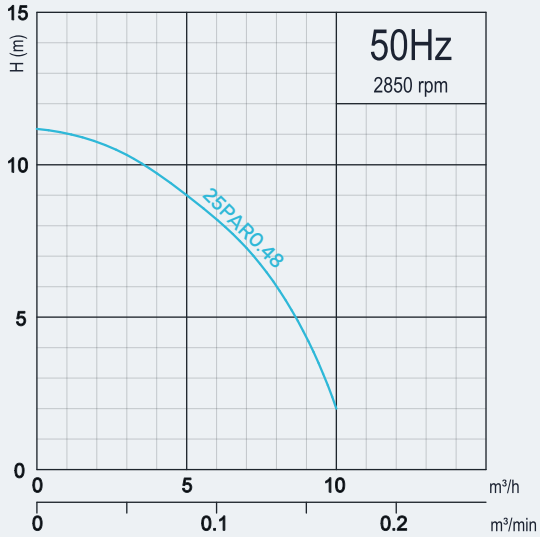
Model (50Hz)	Outlet	Motor power		Voltage	Rated current	Max capacity		Max head	Impeller passage
	mm	kW	HP	V	A	m³/h	m³/min	m	mm
25PAR0.48	25	0.48	0.65	230	3.0	10	0.17	11	6

Dimensions & Weight

Model (50Hz)	d	A	B	D	H	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	mm	mm	kg	kg	mm
25PAR0.48	25	173	325	205	358	1	12.6	14.1	380x225x240

Please pour 2.5L water into the pump before operation.

Performance Curves



SYD / SYDA SERIES

SYD / SYDA

Portable Drainer Pump

OVERVIEW

The SYD / SYDA are small portable and lightweight submersible pumps, suitable for 8-inch well applications due to their compact design.

The pump components are made of wear-resistant rubber and ductile iron providing excellent durability.

The discharge channel is integrated into the motor housing ensuring efficient cooling during operations, even at low water level. The large gap between the semi-open impeller and pump casing allows mud and sand to be pumped away without clogging and causing downtime.

The SYD range is also available with a built-in intelligent control system to operate automatically and reduce energy costs.

DETAILS

Technical Specifications

Water temperature: up to 40°C
PH: 6.5 to 8.5
Power supply: Single phase 230V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 10m
Max. water depth: 10m

Application

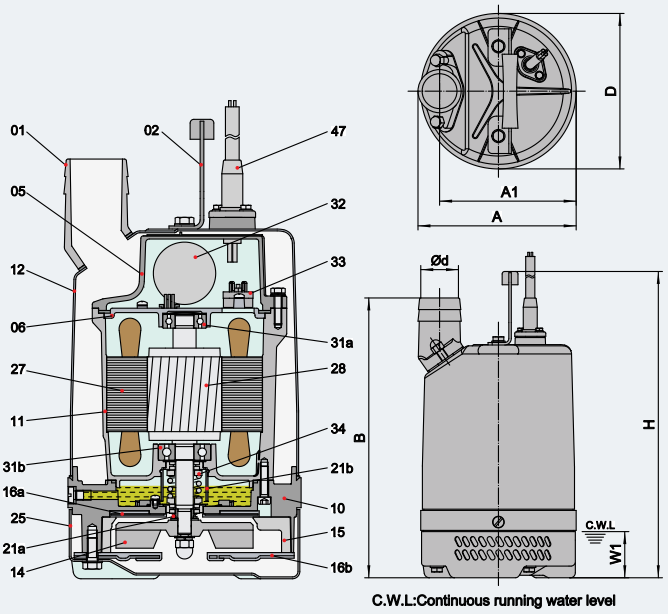
- Civil engineering
- Building sites
- Basements or other utility pits
- Rainwater and mud wate

Optional Features

- Other voltages

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Aluminium die casting
02	Handle	Rubber & steel
05	Upper cover	Aluminium die casting
06	Up-bearing house	Cast iron
10	Seal house	Aluminium die casting
11	Motor body	Aluminium die casting
12	Outer casing	Steel
14	Impeller	Ductile iron
15	Diffuser	NBR
16a	Plate	NBR & Steel
16b	Intel plate	NBR & Steel
21a	Oil riser	NBR
21b	Sand guard	LDPE
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	
33	Motor protector	
34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
47	Cable	H07RN-F



Dimensions & Weight

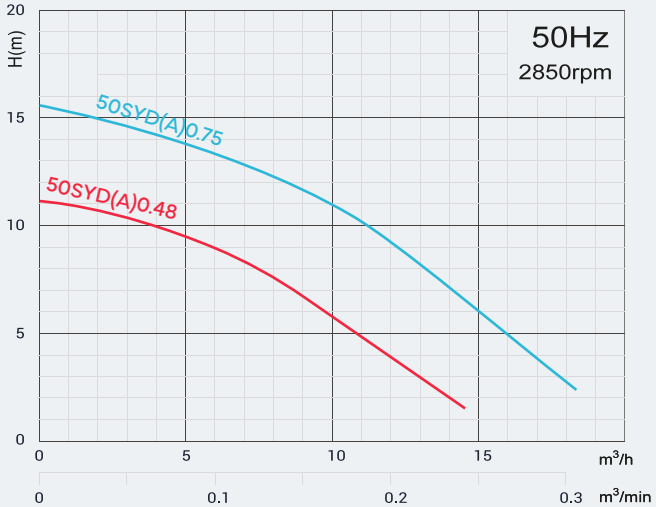
Model (50Hz)	d	A	A1	B	B1	D	H	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	mm
50SYD(A)0.48	50	190	163	296	187	187	328	50	11.6	13.1	365x225x255
50SYD(A)0.75	50	190	163	336	187	187	368	50	13.8	15.3	405x225x255

Performance Range

Model (50Hz)	Outlet	Motor power		Voltage	Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	V	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
50SYD(A)0.48	50	0.48	0.65	230	3.0	7	0.12	8	13.5	0.23	11.5	6
50SYD(A)0.75	50	0.75	1	230	5.0	10	0.17	11	18	0.3	15	6

Float switch and Automatic version available

Performance Curves



LAX SERIES

LAX Drainer Mini Pump

OVERVIEW

LAX series portable drainage pumps are equipped with semi-vortex impellers and built-in agitators.

These features guarantee effective pumping of contaminated water while reducing the risks of clogging during operation.

The LAX pumps are lightweight and compact, making them an ideal addition to any contractors' service vehicle.

DETAILS

Technical Specifications

Water temperature: up to 40°C

PH: 6.5 to 8.5

Power supply: Single phase 220V ±10%, 50 Hz
Three phase 380V ±10%, 50 Hz

Insulation class: F

Protection class: IP68

Cable length: 10m

Max. water depth: 10m

Application

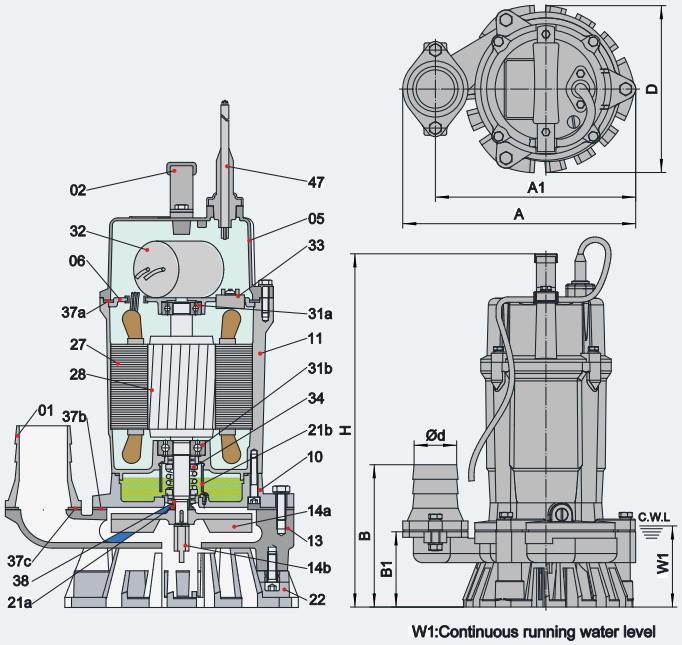
- Construction sites
- Mining and industrial sites
- Drainage and contaminated water
- General pumping purposes

Optional Features

- Other voltages
- Other length of cable

Material of Construction

Item No .	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Aluminium die casting
06	Up-bearing house	Cast iron
10	Seal house	Cast iron
11	Motor body	Aluminium die casting
13	Pump body	Cast iron
14a	Impeller	Ductile iron
14b	Agitator	Stainless steel
21a	Sand guard	NBR
21b	Oil riser	LDPE
22	Seat assembly	PU
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	
33	Motor protector	
34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
37a	Gasket	NBR
37b	Gasket	NBR
37c	Gasket	NBR
38	Shaft sleeve	AISI420SS
47	Cable	H07RN-F



Dimensions & Weight

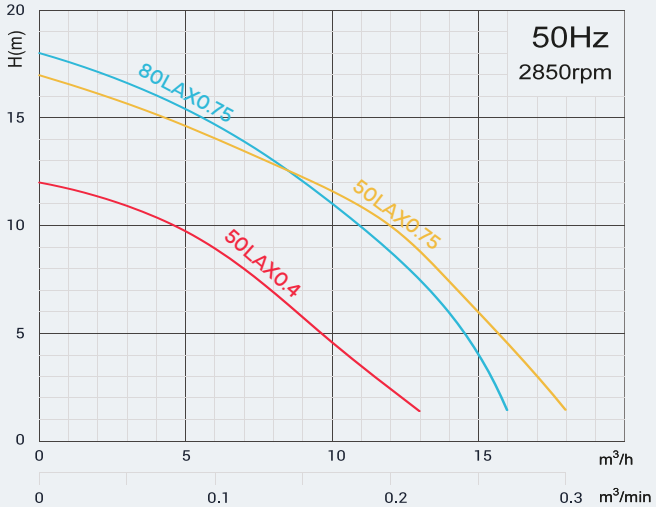
Model (50Hz)	d	A	A1	B	B1	D	H	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	mm
50LAX0.4	50	237	201	157	84	185	365	85	13.5	14.5	405x255x255
50LAX0.75	50	257	221	157	84	185	390	85	16.5	17.5	445x265x255
80LAX0.75	80	284	234	215	109	185	390	85	18	19	445x295x255

Performance Range

Model (50Hz)	Outlet	Motor power		Rated current (A)		BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	1~	3~	m³/h	m³/min	m	m³/h	m³/min	m	mm
50LAX0.4	50	0.4	0.55	3.0	1.3	7	0.12	8	12.6	0.21	12	6
50LAX0.75	50	0.75	1	5.0	2.0	10	0.17	11	16	0.27	18	6
80LAX0.75	80	0.75	1	5.0	2.0	12	0.20	10	18	0.3	17	6

LAX series available in Three Phase and Single Phase; Float switch option available on Single Phase models only

Performance Curves



OVERVIEW

BCN SERIES

BCN 22-45 kW High Head Dewatering Pump

SUB·CITY PUMPS

The BCN series submersible pumps are built with a strong cast iron construction to withstand high pressure in deep well dewatering applications.

They feature a special mechanical seal that increases the maximum submersion depth and ensures durability. The pumps' motors are cooled by the pumped water, allowing for safe operation even in continuous semi-submerged conditions.

With a space-saving design and a top outlet, these pumps offer convenient installation and efficient use of space.

Available in 100mm to 200mm discharge and motor from 22kW to 45kW, BNC pumps are equipped with dry type 2 pole submersible induction motors for reliable performance.

DETAILS

Technical Specifications

Capacity: up to 372 m^3/h
Head: up to 90 meters
Power: 22kW to 45kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 30m

Application

- Mining and industrial sites
- Construction sites
- Deep-well and high-head dewatering
- Drainage and contaminated water
- General pumping purposes

Optional Features

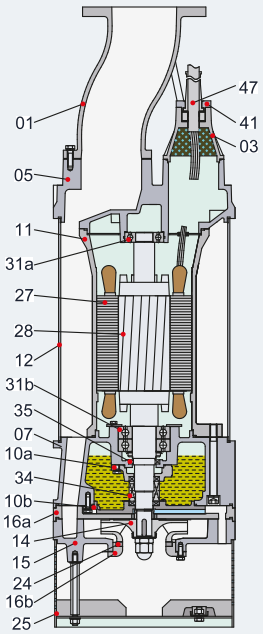
- Other voltages
- Other length of cable

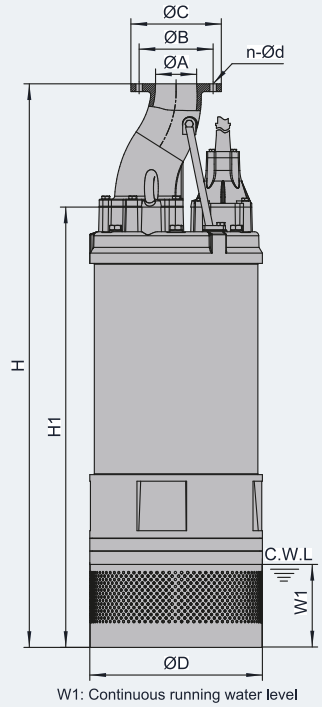
DIMENSIONS

Model (50Hz)	A mm	B mm	C mm	n-Ød mm	D mm	H mm	H1 mm	W1 mm	N.W. kg	G.W. kg	Packing dimension mm
100BCN22	100	180	220	8-Ø17.5	420	1374	1072	240	370	410	1495x490x700
100BCN30	100	180	220	8-Ø17.5	420	1374	1072	240	375	415	1495x490x700
150BCN22	150	240	285	8-Ø22	420	1434	1082	250	385	425	1565x490x700
150BCN30	150	240	285	8-Ø22	420	1434	1082	250	390	430	1565x490x700
150BCN37	150	240	285	8-Ø22	530	1424	1072	180	570	615	1555x600x850
150BCN45	150	240	285	8-Ø22	530	1424	1072	180	575	620	1555x600x850
200BCN37	200	295	340	12-Ø22	530	1474	1072	180	575	625	1605x600x850
200BCN45	200	295	340	12-Ø22	530	1474	1072	180	580	630	1605x600x850

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Ductile iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
07	Bearing house	Cast iron
10a	Seal bracket	Cast iron
10b	Seal bracket	Cast iron
11	Motor body	Cast iron
12	Outer casing	Steel
14	Impeller	High chrome alloy
15	Diffuser	Ductile iron
16a	Inlet plate	Ductile iron
16b	Inlet plate	
24	Neck ring	High chrome alloy
25	Strainer	AISI304SS
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Tc-Sic/Sic-Sic
35	Oil seal	
41	Shim	Cast iron
47	Cable	





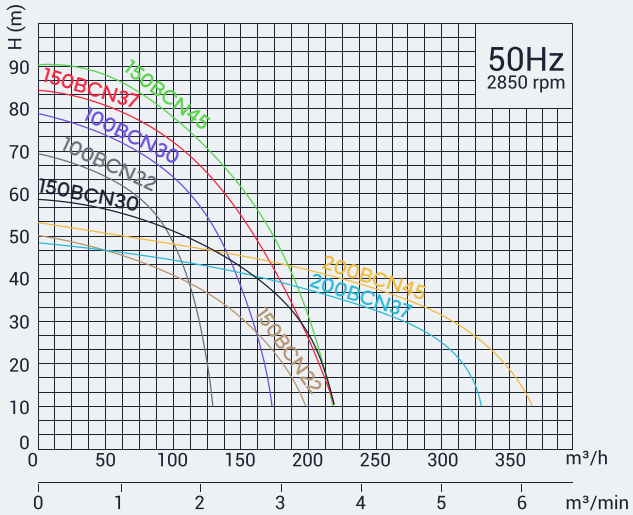
W1: Continuous running water level

Performance Range

Starting method: Star-Delta

Model (50Hz)	Outlet	Motor power		Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
100BCN22	100	22	30	41.5	66	1.1	60	130	2.17	68	6
100BCN30	100	30	40	54	72	1.2	70	170	2.83	78	6
150BCN22	150	22	30	41.5	120	2.0	37	200	3.33	50	15
150BCN30	150	30	40	54	140	2.33	45	220	3.67	58	15
150BCN37	150	37	50	66	120	2.0	65	220	3.67	83	6
150BCN45	150	45	60	80	120	2.0	75	220	3.67	90	6
200BCN37	200	37	50	66	216	3.6	35	330	5.5	48	20
200BCN45	200	45	60	80	270	4.5	35	372	6.2	53	20

Performance Curves



SUB·CITY PUMPS

MAD SERIES

MAD 55-110 kW High Head Dewatering Pump

OVERVIEW

The MAD series submersible pumps are built with a strong cast iron construction to withstand high pressure in deep well dewatering applications.

They feature a special mechanical seal that increases the maximum submersion depth and ensures durability. The pumps' motors are cooled by the pumped water, allowing for safe operation even in continuous semi-submerged conditions.

With a space-saving design and a top outlet, these pumps offer convenient installation and efficient use of space.

Available in 150mm to 200mm discharge and motor from 55kW to 100kW, MAD pumps are fitted with dry-type 2 poles submersible induction motors.

DETAILS

Technical Specifications

Capacity: up to 408 m^3/h
Head: up to 200 meters
Power: 55kW to 110kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 30m

Application

- Mining and industrial sites
- Construction sites
- Deep-well and high-head dewatering
- Drainage and contaminated water
- General pumping purposes

Optional Features

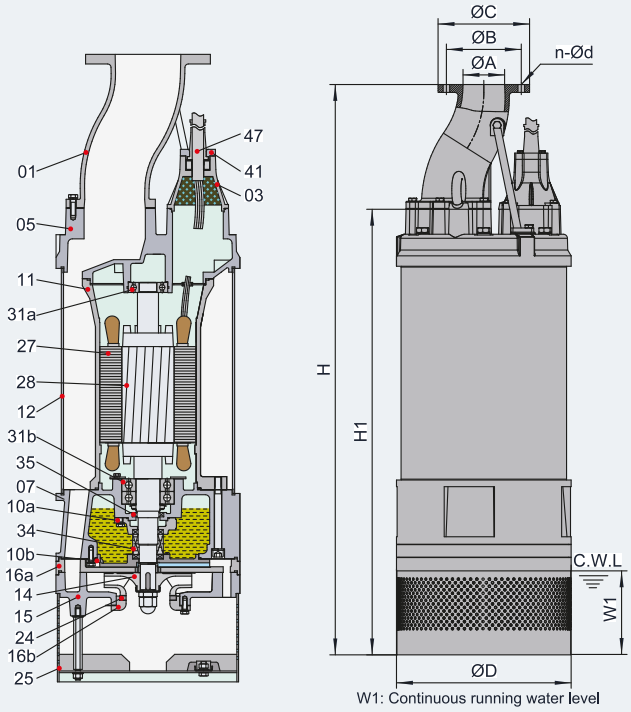
- Other voltages
- Other length of cable

DIMENSIONS

Model (50Hz)	A mm	B mm	C mm	n-Ød mm	D mm	H mm	H1 mm	W1 mm	N.W. kg	G.W. kg	Packing dimension mm
150MAD55	150	240	285	8-Ø22	550	1630	1280	200	830	880	1765x620x910
150MAD75	150	240	285	8-Ø22	550	1630	1280	200	830	880	1765x620x910
150MAD90	150	250	300	8-Ø26	592	1687	1282	200	1100	1166	1825x665x965
150MAD110	150	250	300	8-Ø26	592	1793	1388	370	1245	1301	1875x665x965
200MAD55	200	295	340	12-Ø22	550	1680	1280	200	880	930	1815x620x910
200MAD75	200	295	340	12-Ø22	550	1680	1280	200	880	930	1815x620x910
200MAD90	200	295	340	12-Ø22	592	1687	1282	200	1120	1176	1825x665x965
200MAD110	200	295	340	12-Ø22	592	1687	1282	200	1150	1206	1825x665x965

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Ductile iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
07	Bearing house	Cast iron
10a	Seal bracket	Cast iron
10b	Seal bracket	Cast iron
11	Motor body	Cast iron
12	Outer casing	Steel
14	Impeller	High chrome alloy
15	Diffuser	Ductile iron
16a	Inlet plate	Ductile iron
16b	Inlet plate	
24	Neck ring	High chrome alloy
25	Strainer	AISI304SS
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Tc-Sic/Sic-Sic
35	Oil seal	
41	Shim	Cast iron
47	Cable	

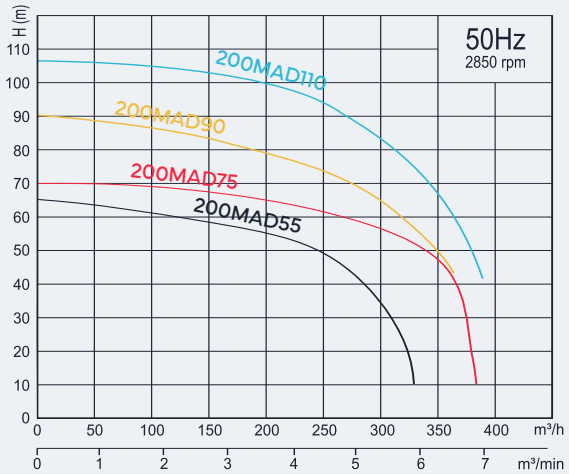


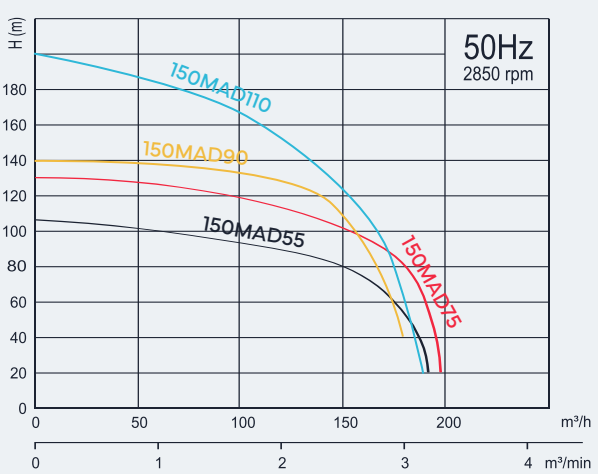
Performance Range

Starting method: Star-Delta

Model (50Hz)	Outlet	Motor power		Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
150MAD55	150	55	75	100	90	1.5	90	180	3.0	102	8
150MAD75	150	75	100	134	90	1.5	120	180	3.0	132	8
200MAD55	200	55	75	100	240	4.0	50	390	6.5	65	20
200MAD75	200	75	100	134	270	4.5	60	408	6.8	70	20
150MAD90	150	90	120	162	120	2.0	128	180	3.0	140	10
200MAD90	200	90	120	162	270	4.5	70	360	6.0	90	20
150MAD110	150	110	150	198	120	2.0	150	192	3.2	200	8
200MAD110	200	110	150	198	270	4.5	90	390	6.5	107	20

Performance Curves





SUB·CITY PUMPS

MEX SERIES

MEX Submersible Agitator Pump

OVERVIEW

The MEX agitator series consists of heavy-duty slurry/sand pumps with cast iron construction. These pumps, based on the NYC pump design are equipped with agitators to facilitate smooth suction of the pumped media.

The side-flow, top-discharge design ensures effective motor cooling even during continuous operation in semi-submerged conditions.

MEX pumps are well-suited for various applications, including transferring water mixed with sand, handling bentonite slurry, and drilling applications.

DETAILS

Technical Specifications

Capacity: up to 100 m^3/h
Head: up to 32 meters
Power: 1.5kW to 5.5kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 25m

Application

- Construction sites
- Mines and quarries
- Sand pits and sedimentation tanks at wastewater treatment plants
- Transfer of bentonite slurry and sandy sludge
- Transfer of water containing mud and sand

Optional Features

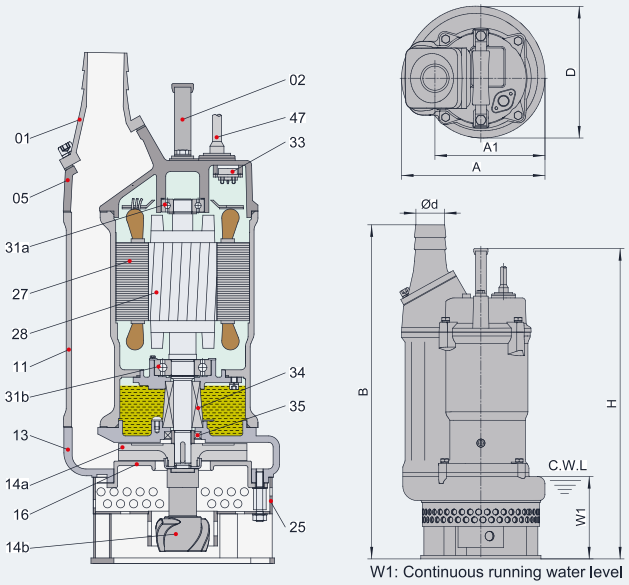
- Other voltages
- Other length of cable

DIMENSIONS

Model (50Hz)	d mm	A mm	A1 mm	B mm	D mm	H mm	W mm	N.W. kg	G.W. kg	Packing dimension mm
50MEX1.5	50	235	173	557	216	522	135	37	41	625x265x275
80MEX1.5	80	235	173	564	216	522	135	37	41	625x265x275
50MEX2.2	50	235	173	557	216	522	135	40	44	625x265x275
80MEX2.2	80	235	173	564	216	522	135	40	44	625x265x275
80MEX3.7	80	283	208	636	252	642	165	64	69	725x320x295
100MEX3.7	100	283	208	661	252	642	165	65	70	725x320x295
80MEX5.5	80	329	240	714	300	603	165	78	85	785x350x360
100MEX5.5	100	329	240	739	300	603	165	79	86	785x350x360

Material of Construction

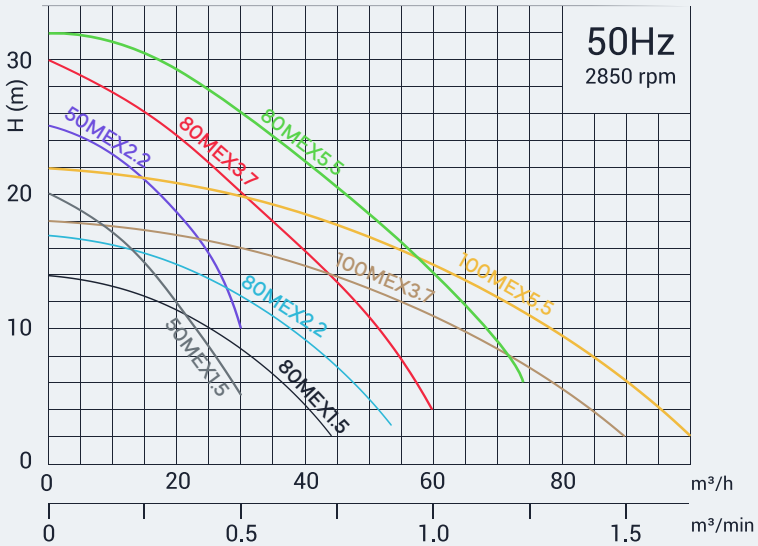
Item No.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14a	Impeller	High chrome alloy
14b	Agitator	High chrome alloy
16	Inlet plate	Ductile iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
33	Motor protector	
34	Mechanical seal	Sic-Sic/Carbon-Sic (≤2,2kW); Sic-Sic/Sic-Sic (3.7kW)
35	Oil seal	
47	Cable	



Performance Range

Model (50Hz)	Outlet	Motor power		Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
50MEX1.5	50	1.5	2	3.5	15	0.25	15	30	0.50	20	10
80MEX1.5	80	1.5	2	3.5	30	0.50	7	42	0.7	14	10
50MEX2.2	50	2.2	3	5.0	18	0.30	19	30	0.50	25	10
80MEX2.2	80	2.2	3	5.0	36	0.60	11	52	0.88	17	10
80MEX3.7	80	3.7	5	7.7	30	0.50	20	60	1.0	30	10
100MEX3.7	100	3.7	5	7.7	60	1.0	11	90	1.50	18	10
80MEX5.5	80	5.5	7.5	11.4	36	0.60	24	74	1.23	32	10
100MEX5.5	100	5.5	7.5	11.4	60	1.0	14	100	1.67	22	10

Performance Curves



SUB·CITY PUMPS

OVERVIEW

MEXA SERIES

MEXA Automatic Agitator Pump

The MEXA agitator series consists of heavy-duty slurry/sand pumps with cast iron construction. These pumps, based on the NYC pump design, are equipped with agitators to facilitate smooth suction of the pumped media.

The side-flow, top-discharge design ensures effective motor cooling even during continuous operation in semi-submerged conditions.

MEXA pumps are well-suited for various applications, including transferring water mixed with sand, handling bentonite slurry, and performing slurry drilling tasks. They operate automatically with a built-in intelligent control system, offering cost reduction in electricity consumption whilst optimizing performance.

DETAILS

Technical Specifications

Capacity: up to 100 m^3/h
Head: up to 32 meters
Power: 1.5kW to 5.5kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 25m

Application

- Construction sites
- Mines and quarries
- Sand pits and sedimentation tanks at wastewater treatment plants
- Transfer of bentonite slurry and sandy sludge
- Transfer of water containing mud and sand

Optional Features

- Other voltages
- Other length of cable

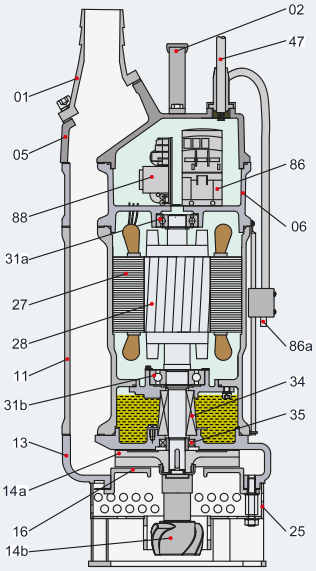
FEATURES

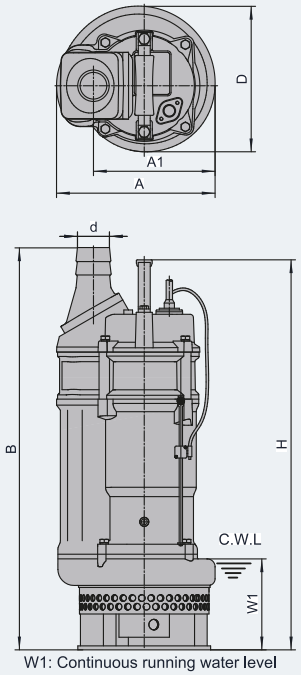
Key features of MEXA intelligent control system

- Protects against reverse phase, ensuring correct impeller rotation;
- Protects against open phase or impeller jam, thus prevents accidental damage;
- Automatically stops the pump in case of overload and abnormal voltage with recovery after 5 minutes;
- The pump stops working at high temperature and will automatically restart after cooling to the specified temperature;
- The water level sensor's height is adjustable to control pump operations;
- If the water drops below the water level probe, the pump will shut down and resume operations after an allotted time, which will be preprogrammed
- Rapid assessment of the pump's operation and malfunction history

Material of Construction

Item no.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Cast iron
06	Upper support	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14a	Impeller	High chrome alloy
14b	Agitator	High chrome alloy
16	Inlet plate	Ductile iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft:AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Sic-Sic/Carbon-Sic (2.2kW); Sic-Sic/Sic-Sic (≥3.7 kW)
35	Oil seal	
47	Cable	
86	AC Contactor	
86a	Water level sensor	
88	Controller block	



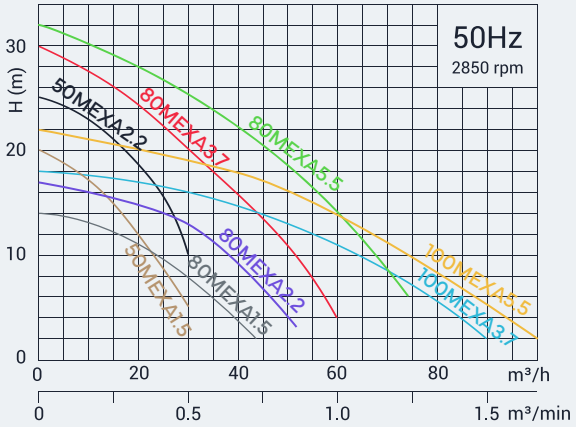


W1: Continuous running water level

Dimensions & Weight

Model (50Hz)	d	A	A1	B	D	H	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	mm	mm	mm	kg	kg	mm
50MEXA1.5	50	235	173	629	216	594	135	43	47	695x265x275
80MEXA1.5	80	235	173	636	216	594	135	43	47	695x265x275
50MEXA2.2	50	235	173	629	216	594	135	46	50	695x265x275
80MEXA2.2	80	235	173	636	216	594	135	46	50	695x265x275
80MEXA3.7	80	283	208	714	252	720	165	72	77	805x320x295
100MEXA3.7	100	283	208	739	252	720	165	73	78	805x320x295
80MEXA5.5	80	329	240	784	300	684	165	86	93	855x350x370
100MEXA5.5	100	329	240	809	300	684	165	87	94	855x350x370

Performance Curves



Performance Range

Model (50Hz)	Outlet	Motor power		Rated current	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
50MEXA1.5	50	1.5	2	3.5	15	0.25	15	30	0.50	20	10
80MEXA1.5	80	1.5	2	3.5	30	0.50	7	42	0.7	14	10
50MEXA2.2	50	2.2	3	5.0	18	0.30	19	30	0.50	25	10
80MEXA2.2	80	2.2	3	5.0	36	0.60	11	52	0.88	17	10
80MEXA3.7	80	3.7	5	7.7	30	0.50	20	60	1.0	30	10
100MEXA3.7	100	3.7	5	7.7	60	1.0	11	90	1.50	18	10
80MEXA5.5	80	5.5	7.5	11.4	36	0.60	24	74	1.23	32	10
100MEXA5.5	100	5.5	7.5	11.4	60	1.0	14	100	1.67	22	10

OVERVIEW

LND SERIES

LND Submersible Agitator Slurry Pump

The LND-series sand & slurry pumps with 4-pole motors, are heavy-duty pumps designed for reliable operation in rough conditions.

They are equipped with high-chrome alloy impellers and agitators, making them suitable for transferring water containing sand, slurry, and abrasive particles.

These pumps are ideal for mining, construction, and municipal wastewater applications, for pit cleaning, lagoon deepening, and pumping water with high slurry content.

DETAILS

Technical Specifications

Capacity: up to 390 m^3/h
Head: up to 42 meters
Discharge: 80mm to 200mm
Power: 4kW to 37kW
Power supply: Three phase 400V ± 10%, 50 Hz
Insulation class: F
Protection class: IP68
Cable length: 8m or 20m
Water temperature: up to 40^0 C
Max. water depth: 15m

Application

- Mines and quarries
- Construction sites
- Wastewater treatment plants
- Transfer of water high in slurry, sand and abrasive particles
- Bottom deepening
- Cleaning of sand pits, sludge tanks and tailings' ponds

Optional Features

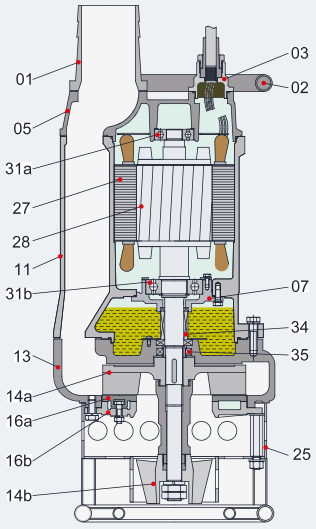
- Other voltages
- Other length of cable

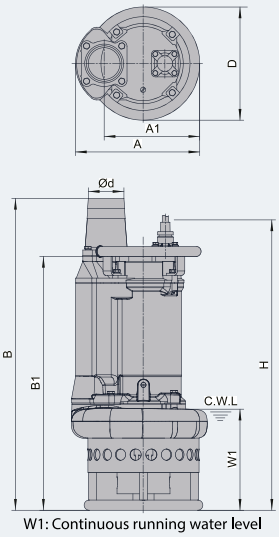
DIMENSIONS

Model (50Hz)	d mm	A mm	A1 mm	B mm	B1 mm	D mm	H mm	W1 mm	N.W. kg	G.W. kg	Packing dimension mm
80LND4	80	350	260	816	678	326	730	250	108.5	119	855x385x395
100LND6	100	415	305	844	682	373	730	250	141	151	880x450x455
150LND9	150	434	324	889	727	407	776	250	171	183	940x470x475
150LND11	150	434	324	926	764	407	850	250	197	210	980x465x465
200LND15	200	484	352	1121	889	457	980	295	260	278	670x500x1275
200LND22	200	578	442	1245	1015	528	1200	330	408	434	740x570x1450
200LND30	200	617	457	1351	1120	543	1265	405	510	536	740x640x1560
200LND37	200	617	457	1351	1120	543	1265	405	535	561	740x640x1560

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Steel
05	Upper cover	Cast iron
07	Bearing house	Cast iron
11	Motor body	Cast iron
13	Pump body	Cast iron
14a	Impeller	High chrome alloy
14b	Agitator	High chrome alloy
16a	Inlet plate	High chrome alloy
16b	Inlet plate	Cast iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mechanical seal	Sic-Sic/Sic-Sic; Tc-Sic/Sic-Sic (>15kW)
35	Oil seal	
47	Cable	



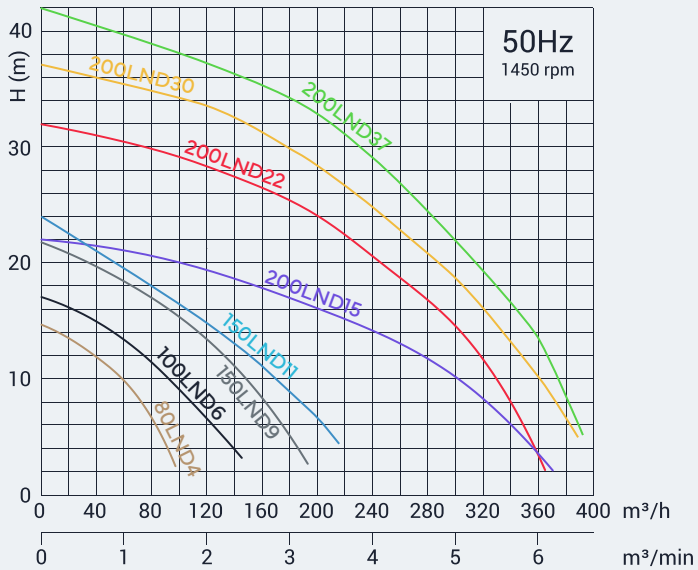


W1: Continuous running water level

Performance Range

Model (50Hz)	Outlet	Motor power		Starting method	Rated current (380V)	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP		A	m³/h	m³/min	m	m³/h	m³/min	m	mm
80LND4	80	4	5.5	D.O.L.	10.2	60	1.0	10	99	1.65	14.8	30
100LND6	100	6	8	D.O.L.	13.8	90	1.50	10	144	2.40	16.9	30
150LND9	150	9	12	D.O.L.	19.5	100	1.67	15	192	3.20	21.5	30
150LND11	150	11	15	D.O.L.	22	120	2.0	15	234	3.90	22	30
200LND15	200	15	20	D.O.L.	30.1	200	3.33	16	372	6.20	22	30
200LND22	200	22	30	Star-Delta	42	200	3.33	24	360	6	32	30
200LND30	200	30	40	Star-Delta	57.6	200	3.33	28	390	6.5	37	30
200LND37	200	37	50	Star-Delta	69.8	200	3.33	33	390	6.5	42	30

Performance Curves



OVERVIEW

RIO SERIES

RIO Submersible Agitator Pump

The RIO agitator series excels in handling challenging substances such as sandy sludge.

Equipped with a 4-pole motor and a high-chrome impeller, paired with a built-in agitator, RIO pumps guarantee reliable performance and extended operational lifespan.

SUB·CITY PUMPS

DETAILS

Technical Specifications

Capacity: up to 246 m^3/h
Head: up to 22.5 meters
Discharge: 80mm to 150mm
Power: 2.2kW to 11kW
Power supply: Three phase 400V ± 10%, 50Hz
Insulation class: F
Protection class: IP68
Cable length: 20m
Water temperature: up to 40^0 C
Max. water depth: 20m

Application

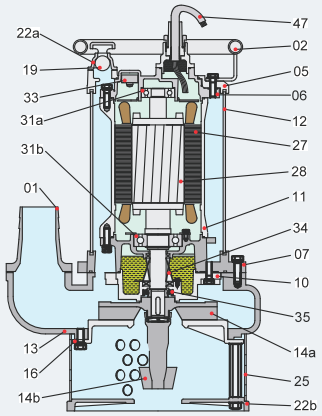
- Industrial and construction sites
- Mines and quarries
- Wastewater treatment plants
- Transfer of sandy sludge and slime
- Transfer of water containing mud and sand

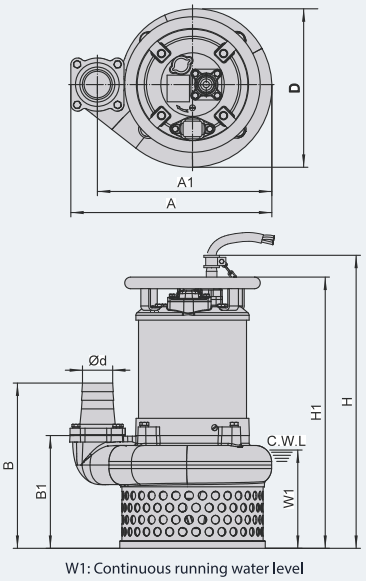
Optional Features

- Other voltages
- Other length of cable

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Steel
05	Upper cover	Cast iron
06	Up-bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal house	Cast iron
11	Motor body	Cast iron
12	Outer casing	Steel
13	Pump body	Cast iron
14a	Impeller	High chrome alloy
14b	Agitator	High chrome alloy
16	Inlet plate	Ductile iron
19	Check value	NBR
22a	Valve seat	Cast iron
22b	Seat assembly	Cast iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
33	Motor protector	
34	Mechanical seal	
35	Oil seal	
47	Cable	





W1: Continuous running water level

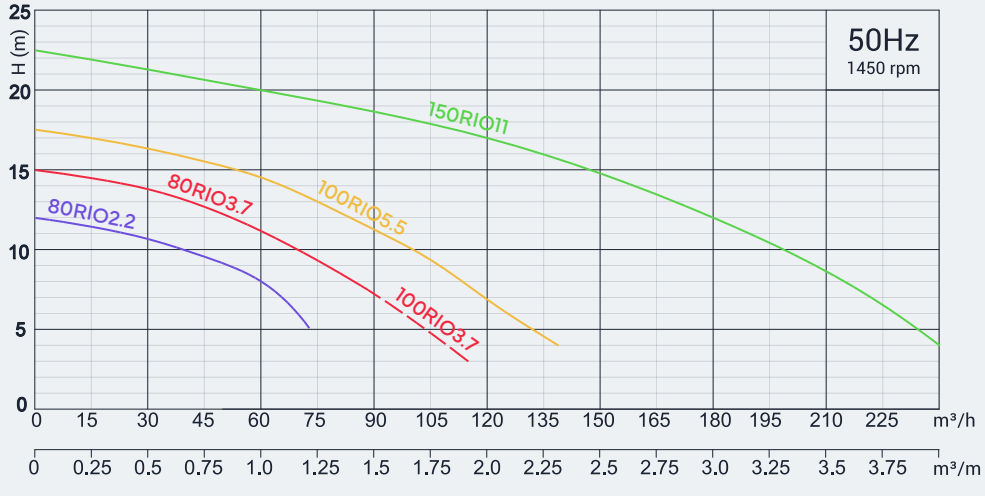
Dimensions & Weight

Model (50Hz)	d mm	A mm	A1 mm	B mm	B1 mm	D mm	H mm	H1 mm	W1 mm	N.W. kg	G.W. kg	Packing dimension mm
80RIO2.2	80	469	408	378	257	371	685	625	230	92	99	765x405x515
80RIO3.7	80	469	408	378	257	371	750	690	230	108	116	830x405x515
100RIO3.7	100	469	408	392	257	371	750	690	230	108	116	830x405x515
100RIO5.5	100	494	433	397	262	386	795	735	225	139	151	835x425x560
150RIO11	150	598	505	436	275	441	862	802	240	210	226	910x475x665

Performance Range

Model (50Hz)	Outlet	Motor power		Rated current (400V)	BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
80RIO2.2	80	2.2	3	5.5	36	0.6	10	72	1.2	12	20
80RIO3.7	80	3.7	5	8.1	36	0.6	13.5	86.4	1.44	15	20
100RIO3.7	100	3.7	5	8.1	60	1.0	11	114	1.9	15	20
100RIO5.5	100	5.5	7.5	11.7	65	1.08	14	138	2.3	17.5	30
150RIO11	150	11	15	22	120	2.0	17	246	4.1	22.5	30

Performance Curves



BER SERIES

BER Slurry Mini Pump

The BER series portable drainage pumps are equipped with semi-vortex impellers and high chrome alloy agitators.

They are specifically designed to handle media contaminated with mud and sand, ensuring efficient and reliable operation in challenging environments.

The BER pumps are lightweight and compact, making them an ideal addition to any contractors' service vehicle.

SUB·CITY PUMPS

OVERVIEW

DETAILS

Technical Specifications

Water temperature: up to 40°C
PH: 6.5 to 8.5
Power supply: Single phase 220V ±10%, 50 Hz
Three phase 380V ±10%, 50 Hz
Insulation class: F
Protection class: IP68
Cable length: 10m
Max. water depth: 10m

Application

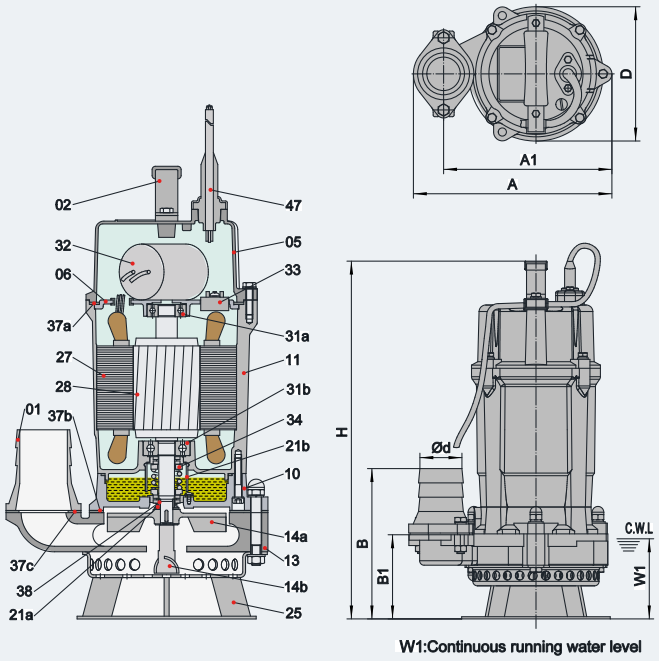
- Construction sites
- Mining and industrial sites
- Drainage and contaminated water
- General pumping purposes

Optional Features

- Other voltages
- Other length of cable

Material of Construction

Item No.	Part name	Material
01	Hose coupling	Cast iron
02	Handle	Rubber & steel
05	Upper cover	Aluminium die casting
06	Up-bearing house	Cast iron
10	Seal house	Cast iron
11	Motor body	Aluminium die casting
13	Pump body	Cast iron
14a	Impeller	High chrome alloy
14b	Agitator	High chrome alloy
21a	Oil riser	NBR
21b	Sand guard	LDPE
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
32	Capacitor	
33	Motor protector	
34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
37a	Gasket	NBR
37b	Gasket	NBR
37c	Gasket	NBR
38	Shaft sleeve	AISI420SS
47	Cable	H07RN-F



Dimensions & Weight

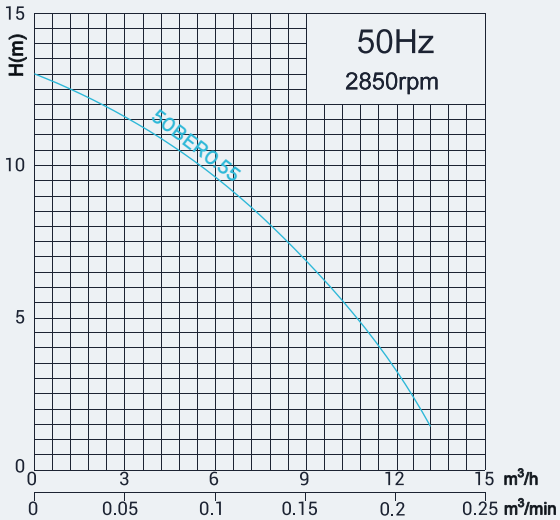
Model (50Hz)	d	A	A1	B	B1	D	H	W1	N.W.	G.W.	Packing dimension
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	mm
50BER0.55	50	237	201	168	95	160	405	95	15.5	16.5	455x255x230

Performance Range

Model (50Hz)	Outlet	Motor power		Rated current (A)		BEP flow		BEP head	Max capacity		Max head	Impeller passage
	mm	kW	HP	1~	3~	m³/h	m³/min	m	m³/h	m³/min	m	mm
50BER0.55	50	0.55	0.75	4.0	1.7	8	0.13	8	13.2	0.22	13	9

BER series available in Three Phase and Single Phase; Float switch option available on Single Phase models only

Performance Curves



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