

MCKARLEN

ADL - 50Hz



SEWAGE PUMP

SEWAGE PUMP ADL 4 POLE

OUTPUT

11 - 37 kW

HEAD

Min : 25m

Max : 36m

FLOW

Min : 3.0 m³/min

Max : 14.8 m³/min

FEATURES

Dry Motor Design, Motor Housing material is all made from cast iron and also equipped with Double-Set SIC Silicon Carbon Steel (Silicon Carbide) mechanical shaft Seal. Excellent Waterproof Structure makes ADL Series very durable. The Pump Handle is triangular which can make the pump more convenient for hanging operation in the form of putting on and taking off.

APPLICATION

- Industrial Sewage Water Intake.
- Environmental Protection System.
- Suitable for Sludge Water

PUMP

Protection Device :

- MTS Heat Detector
- MS Water Leak Detector

Material

- Impeller** : FC200
- Bearing** : Deep Groove Ball Bearing
- Casing** : FC200
- Suction Cover** : FC200
- Shaft** : SUS420J2

Max. liquid temp : 40°C (104°F)

Max. depth 10m

Cable : VCT / 2CT / PNCT / H07RN-F

pH 6 up to 8

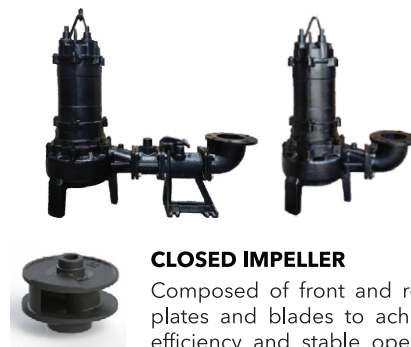
MOTOR

4 Pole, 50Hz
Insulation Class : F
3 Phase
Protection Type IP68



ADL-411

Output (In)
Power (kW)



CLOSED IMPELLER

Composed of front and rear cover plates and blades to achieve high efficiency and stable operation for longer time. The axial thrust of the pump is very small.

BEND (ELBOW) / QDC

This series provide two options for the accessories

1. The 90° degrees elbow is convenient for movement.
2. The QDC is very easy to install, disassemble and for maintainance.

SEWAGE PUMP ADL 6 POLE

OUTPUT

30 - 45 kW

HEAD

Min : 15.5m

Max : 19.5m

FLOW

Min : 24.5 m³/min

Max : 28.5 m³/min

FEATURES

ADL 6P is using the outer bucket for cooling. The water flow fully passes between the valve and the outer cylinder, which can provide excellent cooling effect, reduce the minimum water level and increase the pumpable water level.

APPLICATION

- Industrial Sewage Water Intake.
- Environmental Protection System.
- Suitable for Sludge Water

PUMP

Protection Device :

- MTS Heat Detector
- MS Water Leak Detector

Material

- Impeller** : FC200
- Bearing** : Deep Groove Ball Bearing
- Casing** : FC200
- Suction Cover** : FC200
- Shaft** : SUS420J2

Max. liquid temp : 40°C (104°F)

Max. depth 10m

Cable : VCT / 2CT / PNCT / H07RN-F

pH 6 up to 8

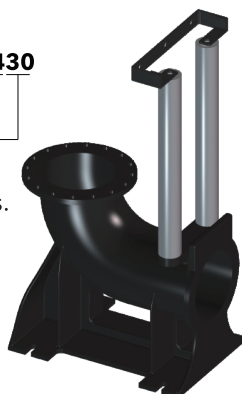
MOTOR

6 Pole, 50Hz
Dry Squirrel Cage Motor
Insulation Class : H
3 Phase
Protection Type IP68



ADL-1430

Output (In)
Power (kW)



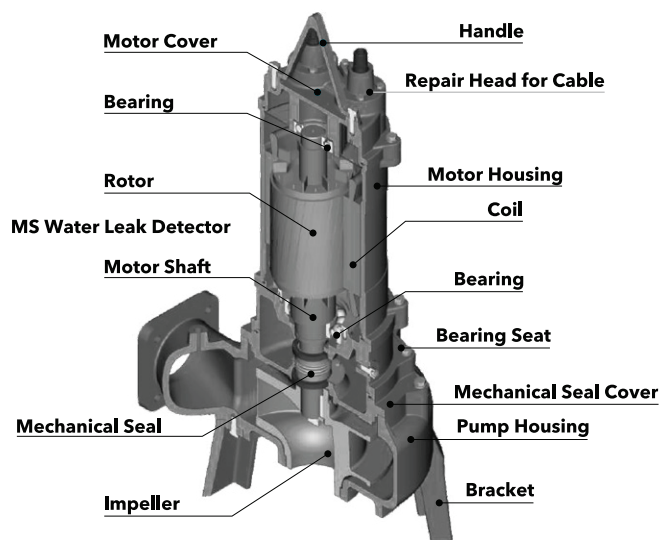
CLOSED IMPELLER

Composed of front and rear cover plates and blades to achieve high efficiency and stable operation for longer time. The axial thrust of the pump is very small.

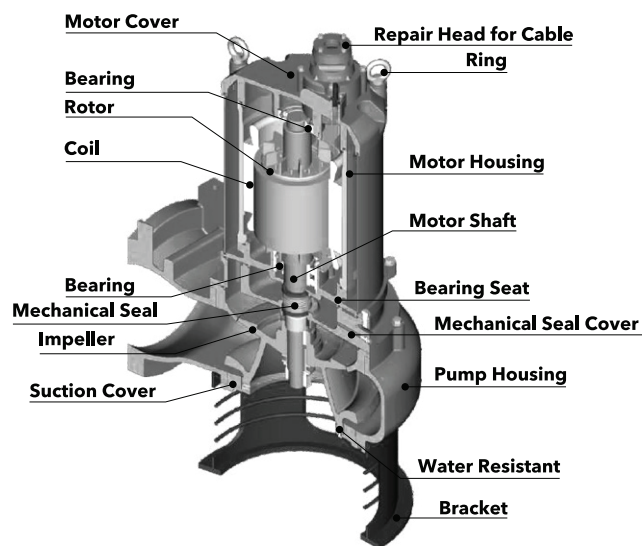
BEND (ELBOW) / QDC

This series provide two options for the accessories.

1. The 90° degrees elbow is convenient for movement.
2. The QDC is very easy to install, disassemble and for maintainance.



4 Pole

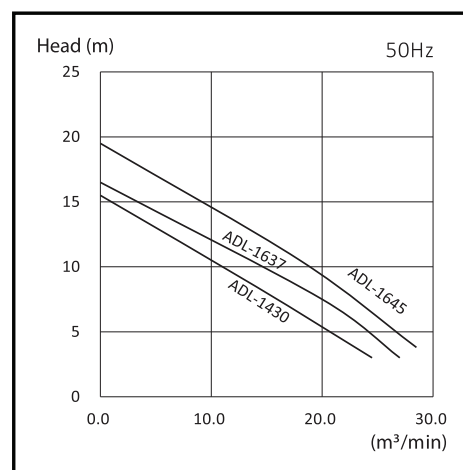
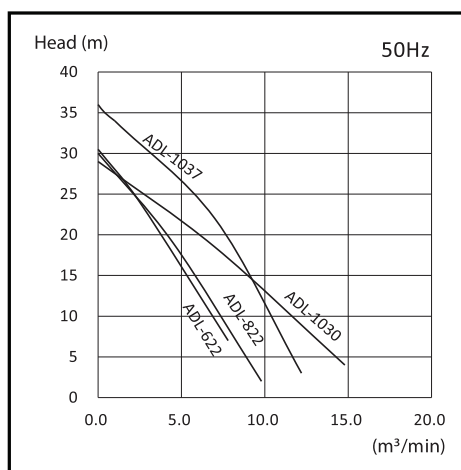
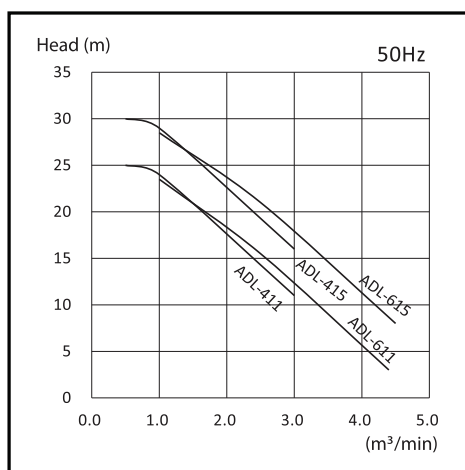


6 Pole

SPECIFICATION

Pole	Model	Output		Outlet		Max Flow (m ³ /min)	Max Head (m)	Pass Solid (mm)
		HP	kW	mm	inch			
4	ADL-411	15	11	100	4	3.0	25	76
	ADL-415	20	15	100	4	3.0	30	76
	ADL-611	15	11	150	6	4.4	24	76
	ADL-615	20	15	150	6	4.5	29	76
	ADL-622	30	22	150	6	7.8	30.5	76
	ADL-822	30	22	200	8	9.8	30	60
	ADL-1030	40	30	250	10	14.8	29	60
	ADL-1037	50	37	250	10	12.2	36	60

Pole	Model	Output		Outlet		Max Flow (m ³ /min)	Max Head (m)	Pass Solid (mm)
		HP	kW	mm	inch			
6	ADL-1430	40	30	350	14	24.5	15.5	120
	ADL-1637	50	37	400	16	27	16.5	120
	ADL-1645	60	45	400	16	28.5	19.5	120



Specifications can be changed without notice

SEWAGE PUMP ADL 4 POLE

OUTPUT

1.5 - 7.5 kW

HEAD

Min : 13m

Max : 22m

FLOW

Min : 850 l/min

Max : 3050 l/min



APPLICATION

- Industrial Sewage Water Intake.
- Environmental Protection System.
- Suitable for Sludge Water

PUMP

Impeller : Enclosed type
Material
Impeller : FC200
Casing : FC200
Suction Cover : FC200
Shaft : SUS410
pH 6 up to 8
Max. liquid temp : 40°C (104°F)
Max. depth 10m

MOTOR

4 Pole, 50Hz
Insulation Class : F
3 Phase
Protection Type IP68

SPECIFICATION

Pole	Model	Output		Outlet		Max Flow (l/min)	Max Head (m)	Pass Solid (mm)
		HP	kW	mm	inch			
4	65 ADL 51.5	2	1.5	65	2.5	850	15	40
	80 ADL 51.5	2	1.5	80	3	1000	13	50
	80 ADL 52.2	3	2.2	80	3	1200	15	50
	80 ADL 53.7	5	3.7	80	3	1680	20	48
	100 ADL 55.5	7.5	5.5	100	4	2850	18	80
	100 ADL 57.7	10	7.5	100	4	3050	22	80

