

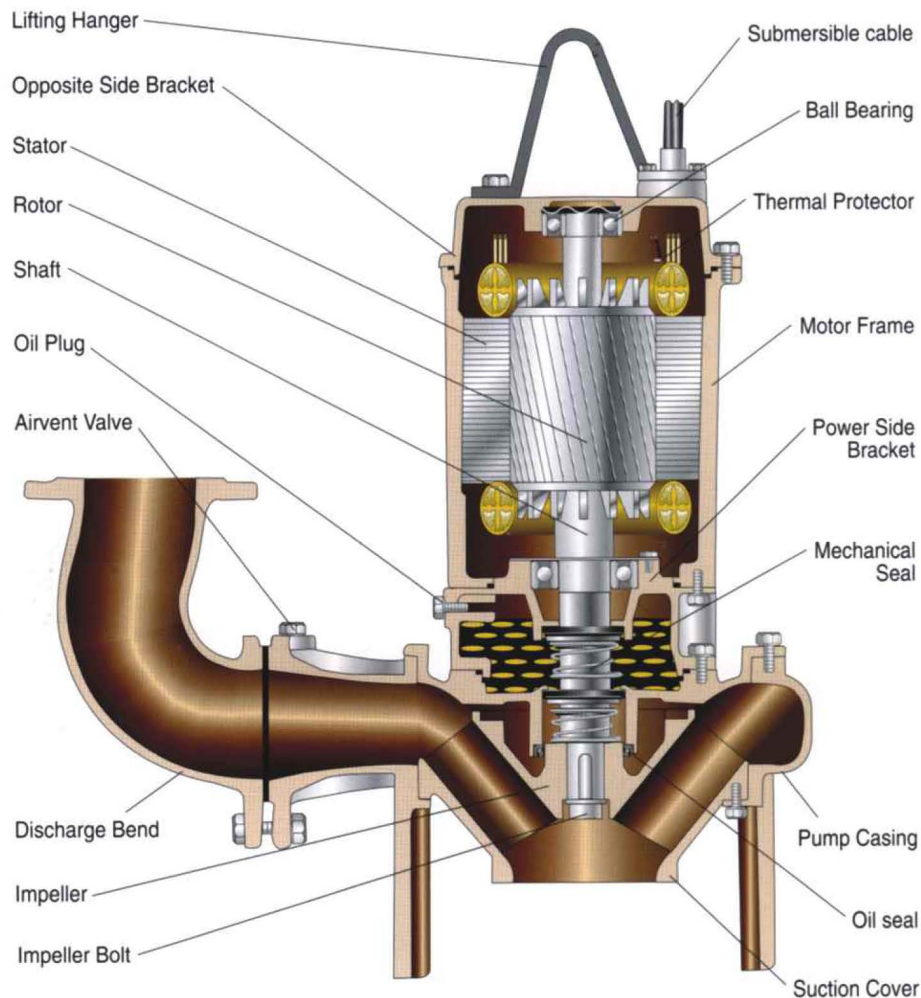
ADL Series

FEATURES

- Non-clog operation**
 Non-clog semi-open screw type impeller prevents clogging by fibrous matter.
- Large range of models**
 Models up to 300mm discharge size and 22kW available.
- Robust construction**
 Rugged cast iron construction, all fasteners of stainless steel and a 4 pole motor.
- Double mechanical seal in oil chamber**
 An oil lubricated double mechanical seal with lower faces of hard silicon carbide provides strong and reliable shaft sealing
- In built motor protection**
 Quick acting dual response overloads provides protection against overload, lock or open phase for sizes up to 7.5kW. Models 11kW and above have miniature thermal protectors.

APPLICATIONS

- Sewage
- Waste water
- Storm water drainage



SPECIFICATION

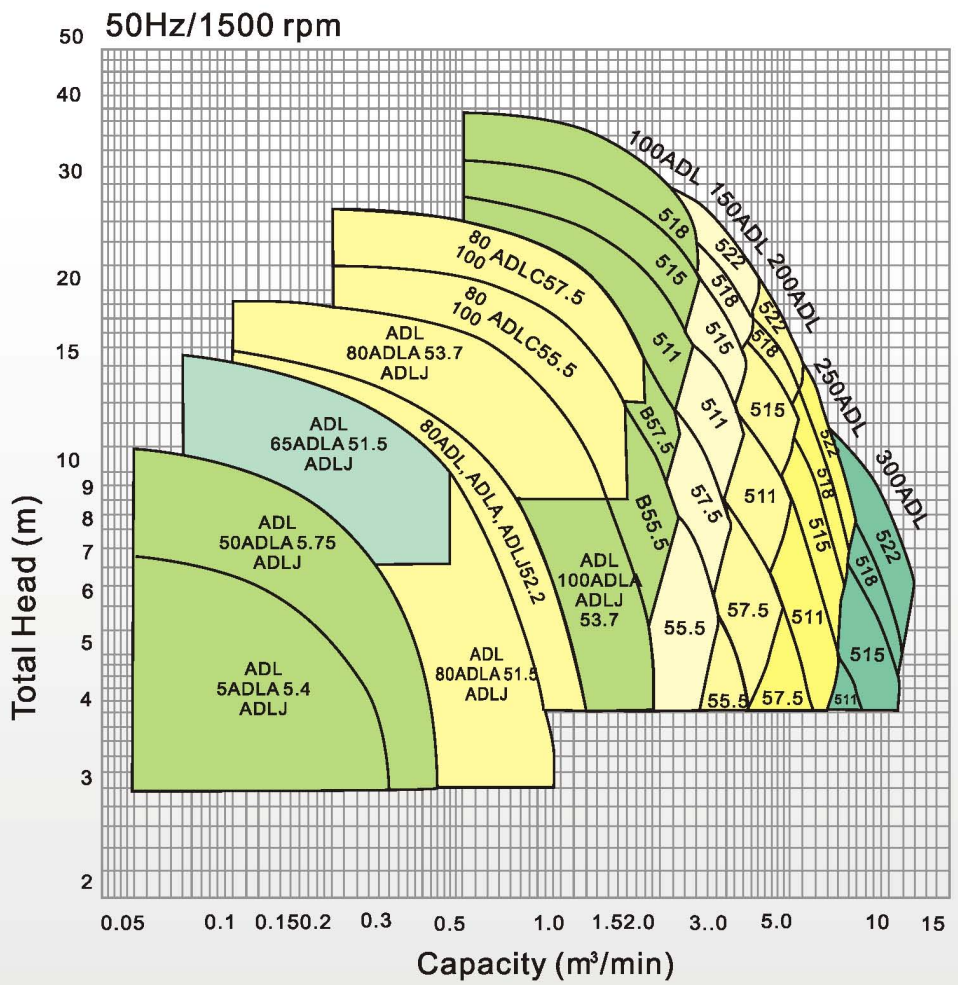
Item		Standard		Item		Standard		
Scope	Discharge	50-300mm		Materials	Suction Cover	Cast Iron		
	Motor Power	0.4-22 kW (3phase)			Shaft	403 Stainless Steel		
	Performance	Capacity: 0.05-12m /mm Head: 3-39 m			Motor Frame	Cast Iron		
Liquid	Type	Sewage 0.05-12m /mm			Fasteners	304 Stainless Steel		
	Maximum temperature	40°C			Mechanical Seal	Upper Faces: Carbon / Ceramic Lower Faces: Silicon Carbide / Silicon Carbide Lubricating Oil: Turbine Oil VG32 (SAE 10W/20W)		
	Max. solids	refer to table below			Type	Air filled dry submersible, IP68, Class F insulation		
Submergence	Maximum	8 m			Nominal Speed	4 pole 1500 rpm		
	Minimum	Refer to low water level (L.W.L.) in dimensions.			Applicable Voltages	380/415 volts 3 phase 50 Hz		
Construction	Impeller	Non-clog semi-open			Motor	Protection	In built overload protection (up to 7.5 kW) Miniature thermal protector (11 to 22 kW)	
	Mechanical Seal	Oil lubricated, double mechanical seal (tandem spring 7.5 to 22 kW)				Bearings	Prelubricated sealed ball bearings	
Materials	Casing	Cast Iron		Cable		Length	10 m	
	Impeller	Cast Iron		Accessories	Flange	Discharge elbow with screwed companion flange		

Solids handling									
Model	-Discharge	50 Ø	65 Ø	80 Ø	100Ø	150Ø	200Ø	250Ø	300Ø
Max. Diameter of Solid		60~70% of Discharge size							
Max. Length of Fibers		150	195	195	300	400	500	550	600

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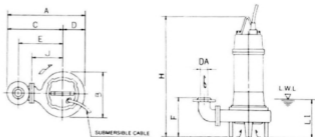
Performance Curve



ADL Series



Dimensions



Specification Chart & Dimension

Disch mm	Model	Out put kw	Q	Max Head	Q	Rate Head	Pump and Motor											Weight (mass) Kg
			m ³ /min	m	m ³ /min	m	A	B	C	D	E	F	H	J	L1			
50	50ADL 5.4	0.4	0.050	7.2	0.300	3.3	393	222	283	110	205	175	558	150	120	31		
	50ADL 5.75	0.75	0.050	10.9	0.425	3.2	411	239	293	118	215	175	558	160	120	34		
65	65ADL 51.5	1.5	0.070	15.5	0.450	9.9	497	291	353	144	265	200	576	200	140	52		
	80ADL 51.5	1.5	0.200	12.2	0.950	3.3	524	292	378	146	285	220	597	210	165	55		
80	80ADL 52.2	2.2	0.100	15.8	1.200	4.0	542	308	388	154	295	220	654	220	165	67		
	80ADL 53.7	3.7	0.100	19.1	1.200	10.4	567	328	403	164	310	220	687	235	165	75		
80ADLC	80ADLC 55.5	5.5	0.200	22.0	1.600	12.3	618	379	428	190	335	307	753	260	205	134		
	80ADLC 57.5	7.5	0.200	27.3	1.800	15.3	648	399	448	200	355	305	751	280	205	148		
100ADL	100ADL 53.7	3.7	0.500	4.0	1.900	5.0	614	335	445	169	340	280	706	235	185	79		
	100ADLC 55.5	5.5	0.200	22.0	1.600	12.3	660	379	470	190	365	322	753	260	205	134		
100ADLC	100ADLC 57.5	7.5	0.200	27.3	1.800	15.3	690	399	490	200	385	320	751	280	205	148		
	100ADLB 55.5	5.5	0.500	16.1	2.290	8.3	646	369	460	186	355	323	768	250	205	123		
100ADLB	100ADLB 57.5	7.5	0.500	20.8	2.300	11.5	673	385	480	193	375	323	760	270	205	141		
	100ADL 511	11	0.500	28.4	2.500	16.0	701	402	500	201	395	323	859	290	205	180		
100ADL	100ADL 515	15	0.500	33.0	2.600	20.6	741	441	520	221	415	330	954	310	205	230		
	100ADL 518	18.5	0.500	39.0	2.600	24.0	741	441	520	221	415	330	958	310	245	285		
150ADL	150ADL 55.5	5.5	1.800	11.2	3.050	5.8	750	398	550	200	410	381	799	280	245	146		
	150ADL 57.5	7.5	1.500	15.2	3.300	8.3	780	418	570	210	430	377	784	300	245	158		
150ADL	150ADL 511	11	1.500	20.0	3.600	11.5	810	438	590	220	450	377	883	320	245	199		
	150ADL 515	15	1.500	25.8	3.700	15.2	810	438	590	220	450	377	972	320	245	237		
150ADL	150ADL 518	18.5	1.500	28.3	3.800	18.0	848	476	610	238	470	381	979	340	245	300		
	150ADL 522	22	1.500	33.0	4.000	20.5	848	476	610	238	470	381	979	340	285	325		
200ADL	200ADL 55.5	5.5	2.600	6.5	3.800	4.0	832	436	615	217	450	414	826	300	285	160		
	200ADL 57.5	7.5	2.900	9.6	4.700	5.8	863	453	635	228	470	410	809	320	285	176		
200ADL	200ADL 511	11	3.100	13.2	5.000	9.0	863	453	635	228	470	410	908	320	285	212		
	200ADL 515	15	3.400	17.0	5.300	12.0	896	479	635	241	490	411	995	340	285	260		
200ADL	200ADL 518	18.5	3.500	19.4	5.300	13.5	932	512	675	257	510	415	1001	360	285	305		
	200ADL 522	22	3.500	23.2	5.500	15.0	932	512	675	257	510	415	1001	360	400	330		
250ADL	250ADL 57.5	7.5	3.800	7.2	5.850	4.0	969	525	700	269	500	622	904	370	400	260		
	250ADL 511	11	4.600	10.4	7.100	4.8	993	541	720	273	520	634	1000	390	400	320		
250ADL	250ADL 515	15	4.500	13.0	7.250	6.4	1007	549	730	277	530	646	1086	400	400	380		
	250ADL 518	18.5	4.500	15.7	7.500	7.3	1007	549	730	277	530	646	1089	400	400	420		
300ADL	300ADL 522	22	4.500	17.2	8.000	8.2	1007	549	730	277	530	646	1089	400	450	440		
	300ADL 511	11	6.000	5.5	8.300	4.0	1100	588	798	302	575	671	1050	420	450	365		
300ADL	300ADL 515	15	6.000	8.0	10.700	4.4	1100	588	798	302	575	671	1131	420	450	395		
	300ADL 518	18.5	6.300	9.5	11.000	4.8	1135	618	818	317	595	668	1131	440	450	440		
300ADL	300ADL 522	22	6.500	11.9	12.000	6.4	1135	618	818	317	595	668	1131	440	450	465		