











Model	APL Wastewater pump	APV Sewage pump	ASU Wastewater and Sewage pump	ABO Sewage pump	
Photo					
Impeller	Semi-open Enclosed-channel (100APL-52.2(S))	Vortex (APV) Semi-open (APVH)	Semi-open	Semi-open (1.5~3.7kW) Enclosed-channel non-clog(5.5~45kW)	
Liquid	Wastewater	Wastewater Sewage water Industrial wastewater	Wastewater Sewage water Drainage water	Wastewater Sewage water	
Coverage	Disc.diameter (mm)	50 · 80 · 100	50 · 80	50 · 80 · 100	
	Output (kW)	0.4~2.2	0.4~2.2	1.5~7.5	
	Solid passage (mm)	8~11	25~35	14~20	
Material	Casing	FC200	FC200	FC200	
	Impeller	PA(50 APL-514(S)) · FC200(≥0.4kW)	FC200	FC200	
	Shaft	SUS410 (0.4 · 0.75kW) SUS403 (1.5 · 2.2kW)	SUS410 (0.4 · 0.75kW) SUS403 (1.5 · 2.2kW)	SUS420J2 (≥5.5kW) SUS403 (≤3.7kW)	SUS420J2 (ABO, ABOG) SUS403 (ABOC)
	Mechanical Seal	SIC/SIC	SIC/SIC	SIC/SIC	

Model	AVC Sewage pump	ACU Sewage pump	AGO Grinder pump	
Photo				
Impeller	Vortex(AVC, AVCL) Semi-open (AVCH)	Vortex	Vortex	
Liquid	Wastewater Sewage water	Wastewater Sewage water	Residential wastewater Sewage water	
Coverage	Disc.diameter (mm)	50 · 80	50 · 80 · 100	
	Output (kW)	0.4~2.2	0.4~5.5	
	Solid passage (mm)	35~76	25~76	
Material	Casing	FC200	FC200	
	Impeller	FC200	FC200	
	Shaft	SUS410 (≤0.75kW) SUS403 (≥1.5kW)	SUS403 (0.4 ~ 0.75kW) SUS420J2	SUS403
	Mechanical Seal	SIC/SIC	SIC/SIC	SIC/SIC

Model	ACS Amphibious dewatering pump	APLS Stainless wastewater pump	APVS Stainless sewage pump	ADS Construction drainage	
Photo					
Impeller	Enclosed-channel	Semi-open	Semi-open	Semi-open Enclosed	
Liquid	Agriculture irrigation Other drainage	Sanitary sewer Acid/Alkaline/Corrosive Between PH5~11	Sanitary sewer Acid/Alkaline/Corrosive Between PH5~11	Wastewater Sewage water Sandy, wastewater	
Coverage	Disc.diameter (mm)	50 · 80 · 100 · 150	50 · 80	50 · 80 · 100 · 150	
	Output (kW)	1.1~7.5	0.4 · 0.75	1.1~7.5	
	Solid passage (mm)	3.5~10	10	7.5~10.5	
Material	Casing	FC200	SCS14	FC200	
	Impeller	Bronze (≤1.1kW) Chrome steel (≥1.5kW)	SCS14	SCS14	HiCr
	Shaft	SUS403	SUS316	SUS316	SUS403 (≤3.7kW) SUS420J2 (≥5.5kW)
	Mechanical Seal	SIC/SIC	SIC/SIC	SIC/SIC	SIC/SIC

Model	ADM Agitator pump	AAX Large volume water pump	AAXL Submersible axial pump	SUMP Residential & commercial pump	
Photo					
Impeller	Semi-open (80ADM-55.5) Enclosed	Axial-flow Mix-flow (11kW)	Axial-flow	Semi-open	
Liquid	Dewatering fluid containing solid sediment	Agriculture irrigation Aquaculture water River water	Wastewater, Industry drainage, Agriculture irrigation Aquaculture water	Dirty water from sumps, Clean water, Basins and tanks	
Coverage	Disc.diameter (mm)	80 · 100 · 150	80 · 100 · 150 · 200 · 250 · 300	550~700	25~32
	Output (kW)	1.5~7.5	0.4~11	37~75	0.1~0.25
	Solid passage (mm)	10~10.5	10~33		4
Material	Casing	FC200	FC200	FC200	AAS(≤0.15kW), PP(≥0.25kW)
	Impeller	HiCr	ALBC3 Bronze	Bronze / Stainless steel	ABS+GF(≤0.15kW), PA(≥0.25kW)
	Shaft	SUS403 (≤3.7kW) SUS420J2 (≥5.5kW)	SUS410 (≤0.75kW) SUS403 (≥1.5kW)	SUS420J2	SUS410
	Mechanical Seal	SIC/SIC	CA/CE (5.5~11kW) SIC/SIC (0.4~2.2kW)	SIC + Hard alloy	Carbon/ Ceramic

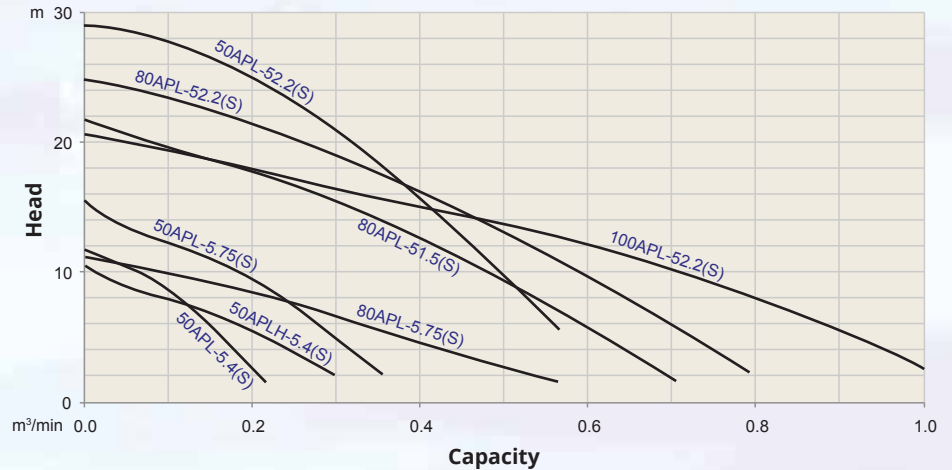
APL for wastewater

50 Hz

Specification

Pumping liquid	Disc. Diameter (mm)	50-80-100		
	Liquid temp	0-40°C		
	Liquid nature	Wastewater		
	Max. depth	30M		
Pump	Structure	Impeller	Semi-open & enclosed channel (100APL-52.2(S))	
		Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
	Material	Upper cover	FC200	
		Impeller	FC200 (50APL-5.4(S);PA)	
		Casing cover	FC200	
	Mech. seal	SIC/SIC		
Motor	Type	Dry type		
	Insulation	B class		
	Frequency · Pole	50Hz-2P		
	Protector	Auto-cut (50APL-5.4S: Overheat protector)		
	Material	Frame	SUS304	
		Main shaft	0.4 - 0.75kW : SUS410 1.5 - 2.2kW : SUS403	
Cable		VCT		
Optional		Float switch Auto setter		

Selection Chart

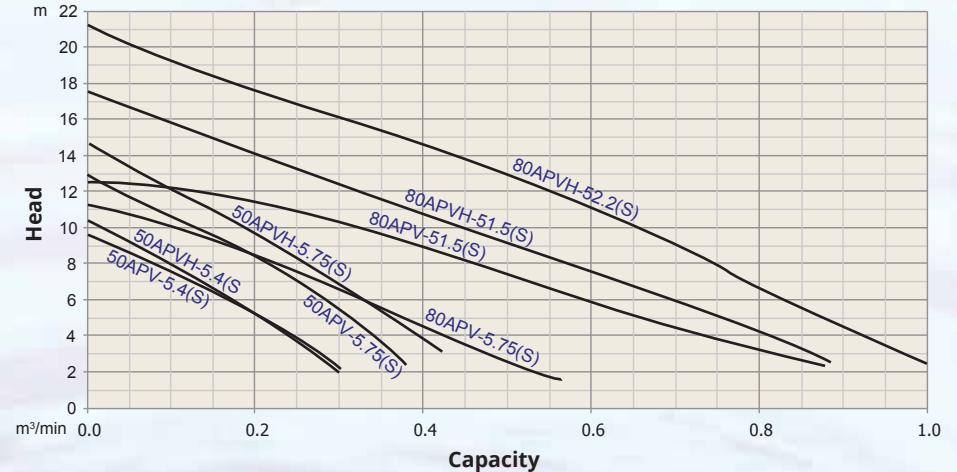


APV for sewage water

Specification

Pumping liquid	Disc. Diameter (mm)	50-80		
	Liquid temp	0-40°C		
	Liquid nature	Wastewater · Sewage water and industrial wastewater		
	Max. depth	30M		
Pump	Structure	Impeller	Semi-open (APVH)	
		Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
	Material	Upper cover	FC200	
		Impeller	FC200	
		Casing cover	FC200	
	Mech. seal	SIC/SIC		
Motor	Type	Dry type		
	Insulation	B class		
	Frequency · Pole	50Hz-2P		
	Protector	Auto-cut (50APL-5.4S: Overheat protector)		
	Material	Frame	SUS304	
		Main shaft	0.4 - 0.75kW : SUS410 1.5 - 2.2kW : SUS403	
Cable		VCT		
Optional		Float switch Auto setter		

Selection Chart

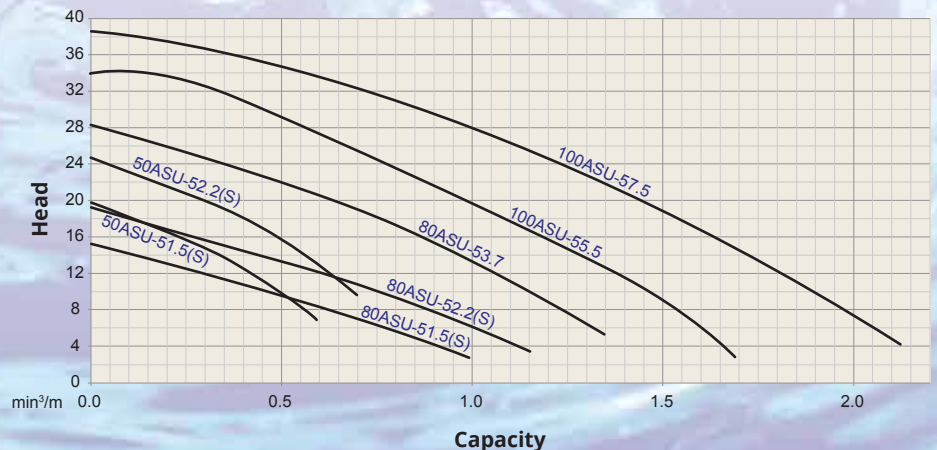


ASU for wastewater and sewage water

Specification

Pumping liquid	Disc. Diameter (mm)	50-80-100		
	Liquid temp	0-40°C		
	Liquid nature	Wastewater and sewage		
	Max. depth	30M		
Pump	Structure	Impeller	Semi-open	
		Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
	Material	Upper cover	FC200	
		Impeller	FC200	
		Casing cover	FC200	
	Mech. seal	SIC/SIC		
Motor	Type	Dry type		
	Insulation	B class (≤2.2kW) F class (≥3.7kW)		
	Frequency · Pole	50Hz-2P		
	Protector	Auto-cut		
	Material	Frame	FC200	
		Main shaft	SUS420J2 (≥5.5kW) SUS403 (≤3.7kW)	
Cable		VCT		
Optional		Float switch (≤2.2kW) Water detector Auto setter		

Selection Chart



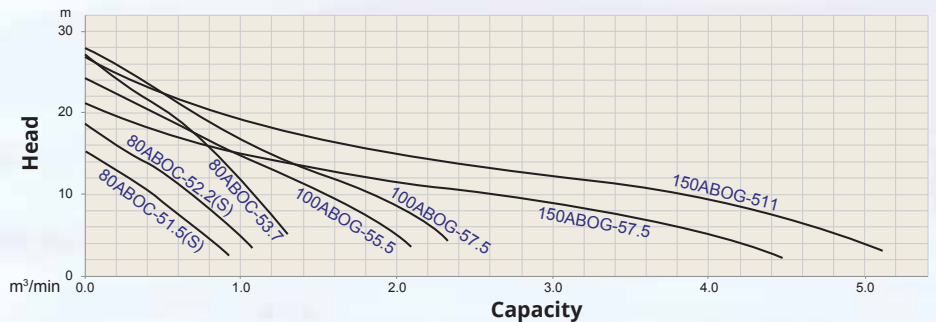
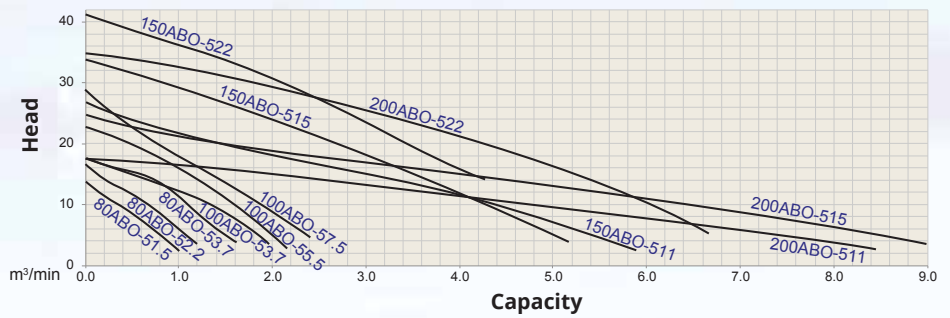
ABO (80-200mm) for sewage water

50 Hz

Specification

Type		ABO	ABOC	ABO	ABOG
Disc. Diameter (mm)		80-100		100-150-200	
Pumping liquid	Liquid temp	0~40°C			
	Liquid nature	Wastewater and sewage		Industrial wastewater and sewage	
	Max. depth	30M			
Pump	Impeller	Semi-Open	Semi-Open	Enclosed	Enclosed
	Mech. seal	Double mechanical seals			
	Bearing	Ball type bearing			
	Upper cover	FC200			
	Impeller	FC200	Heat Treated FC200	FC200	Heat Treated FC200
	Cutter	N.A.	Tungsten Blade	N.A.	N.A.
	Agitator	N.A.	N.A.	N.A.	Heat Treated FCD700
	Casing	FC200			
	Mech. seal	SIC/SIC			
	Motor	Type	Dry type		
Insulation		B class (F Class ≥ 3.7 kW)			
Frequency · Pole		50Hz · 4P	50Hz · 2P	50Hz · 4P	50Hz · 4P
Protector		Auto-cut (≤ 7.5 kW), Motor thermal protector (≥ 11 kW)			
Frame		FC200			
Main shaft		SUS420J2	SUS403	SUS420J2	SUS420J2
Optional	Auto setter Water detector(except 150ABO-511, 200ABO-511, 200ABO-515 are standard) Float switch (ABO ≤ 1.5 kW and ABOC)				

Selection Chart

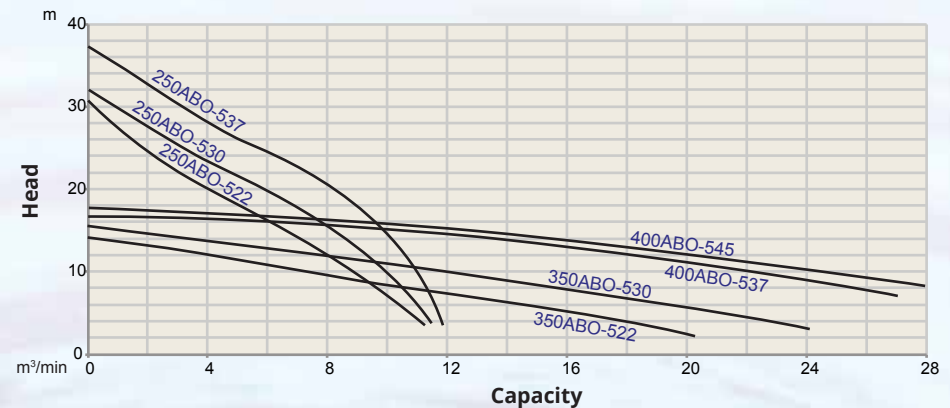


ABO (250-400mm) for sewage water

Specification

Disc. Diameter (mm)		250~400
Pumping liquid	Liquid temp	0~40°C
	Liquid nature	Aquaculture water · industrial water and sewage
	Max. depth	30M
Pump	Impeller	Enclosed channel non-clog impeller
	Mech. seal	Double mechanical seal
	Protector	WD water detector
	Upper cover	FC200
	Bearing	Heavy duty bearing
	Impeller	FC200
	Casing	FC200
	Wear ring	Stainless Steel
Motor	Mech. seal	Silicon carbide
	Type	Dry type
	Insulation · Pole	F class. 4P / 6P
	Frequency	50Hz
	Protector devices	Motor thermal protector(MTP)
	Frame	FC200
Material	Main shaft	SUS420J2
	Cable	3PNCT

Selection Chart



SPECIAL SPECIFICATION

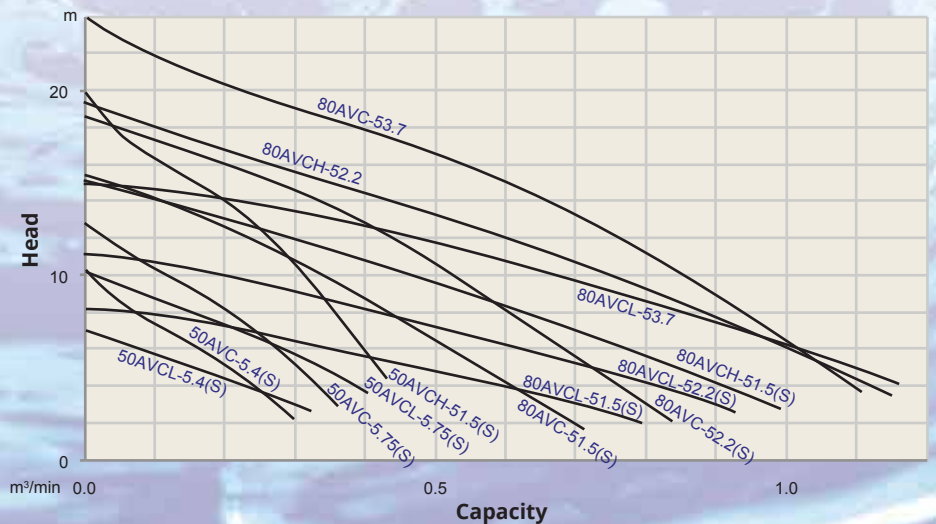
Optional material	Stainless steel impeller
Optional devices / Accessories	Bearing thermal detector Auto setter

AVC for sewage water

Specification

Disc. Diameter (mm)		50-80
Pumping liquid	Liquid temp	0~40°C
	Liquid nature	Wastewater and sewage
	Max. depth	30M
Pump	Impeller	Non-Clog Vortex / Semi-Open
	Mech. seal	Double mechanical seals
	Bearing	Ball type bearing
	Upper cover	FC200
	Impeller	FC200
	Casing	FC200
Motor	Mech. seal	SIC/SIC
	Type	Dry Type
	Insulation	B class (3.7kW : F Class)
	Frequency · Pole	50Hz · 2P
	Protector	Auto-cut
	Frame	FC200
Material	Main shaft	SUS410(0.4kW~0.75kW) / SUS403
	Cable	VCT
	Optional	Float switch(≤ 2.2 kW) Water detector(1.5kW~2.2kW) Auto setter

Selection Chart



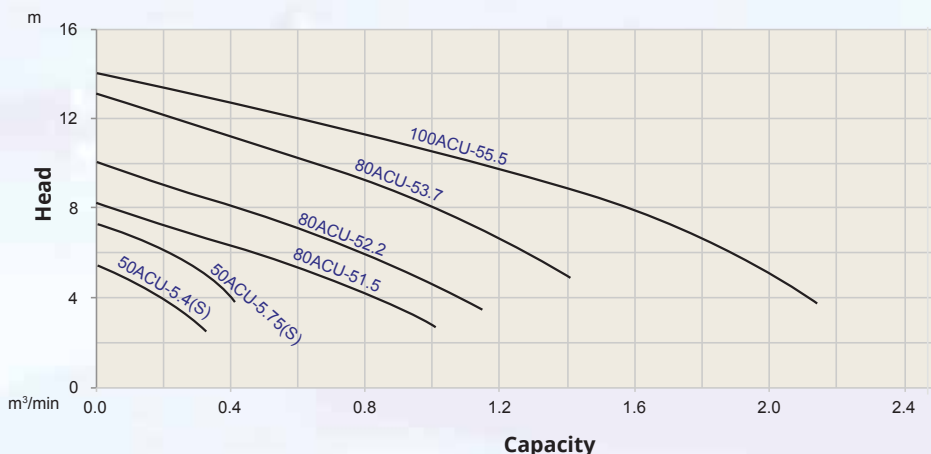
ACU for sewage water

50 Hz

Specification

Pumping liquid	Disc. Diameter (mm)	50-80-100	
	Liquid temp	0-40°C	
	Liquid nature	Wastewater and sewage	
	Max. depth	30M	
Pump	Structure	Impeller	Semi-open/Vortex
		Mech. seal	Double mechanical seals
		Bearing	Ball type bearing
	Material	Upper cover	FC200
		Impeller	FC200
		Casing	FC200
Motor	Mech. seal	SIC/SIC	
		Type	Dry type
	Insulation	B class (≥3.7kW : F Class)	
	Frequency · Pole	50Hz · 4P	
	Protector	Auto-cut	
Material	Frame	FC200	
	Main shaft	SUS420J2 SUS403 (0.4 ~ 0.75kW)	
	Cable	VCT / HVCT (5.5kW)	
Optional	Float switch (≤1.5kW) Water detector (≥1.5kW) Auto setter		

Selection Chart

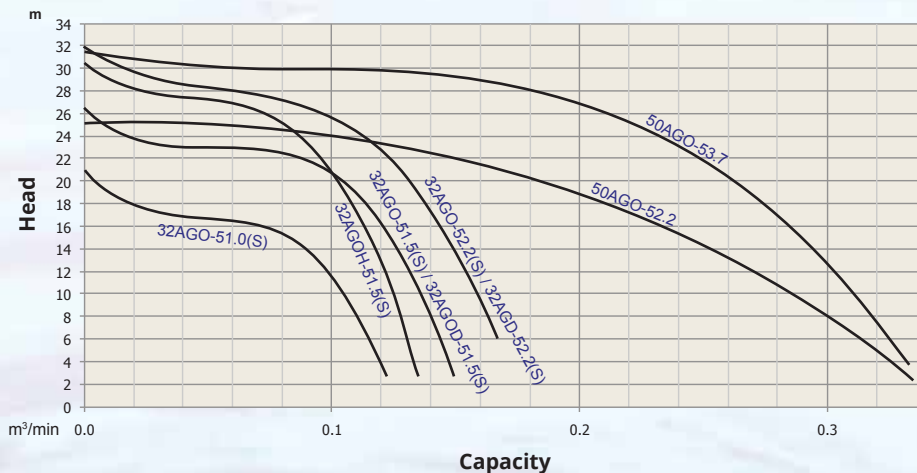


AGO for sewage water

Specification

Pumping liquid	Disc. Diameter (mm)	32-50		
	Liquid temp	0-40°C		
Pump	Structure	Liquid nature	Residential wastewater · Sewage	
		Impeller	Semi-open	
		Cutting Construction	Grinding	
	Material	Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
		Casing	FC200	
Motor	Mech. seal	Impeller	FC200	
		Radial Cutter	SUS440C(55-60 Rockwell C.)	
	Cutter Ring	SUS440C(55-60 Rockwell C.)		
	Mech. seal	Silicon Carbide		
Material	Type	Dry type		
	Insulation	B class (F class: 3.7kW)		
	Frequency · Pole	50Hz · 2P		
	Protector devices	Auto-cut		
	Frame	FC200		
Cable	Main shaft	SUS403		
	VCT			
Optional	Float switch (<3.7kW) Water detector (≥1.5kW) Auto setter			

Selection Chart

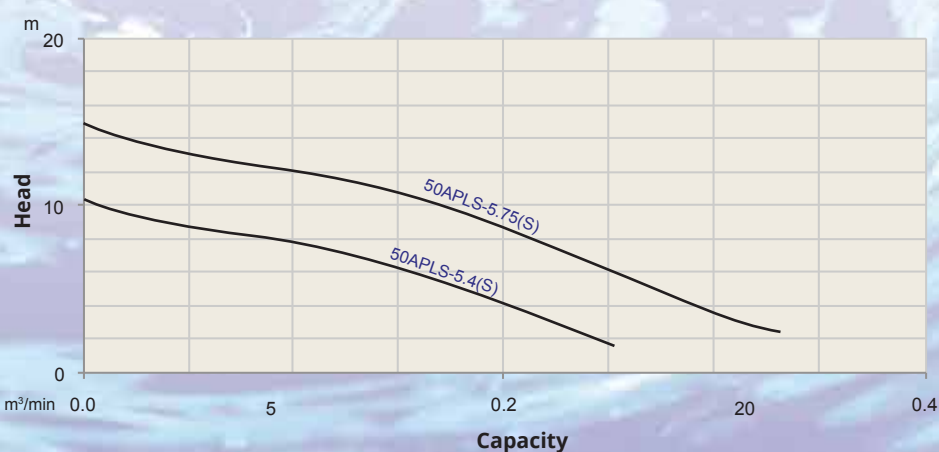


APLS stainless steel pumps for wastewater

Specification

Application	Disc. Diameter (mm)	50-80	
	Liquid temp	0-40°C	
	Liquid nature	Acid / Alkaline / Corrosive Liquid between PH 5-11	
	Max. depth	30M	
Structure	Impeller	Semi-open	
	Mech. seal	Double mechanical seals	
	Bearing	Ball type bearing	
Material	Upper cover	SCS14	
	Frame	SUS316	
	Impeller	SCS14	
	Casing	SCS14	
	Mech. seal	SIC/SIC	
	Main shaft	SUS316	
Cable	VCT		
Motor	Type	Dry & High-Efficiency Motor	
	Insulation	B Class (F class : 3.7kW)	
	Frequency · Pole	50Hz · 2P	
	Protector	Auto-cut (Overheat protector: 0.4kW-1P)	
Optional	Float switch (≤0.75kW) Water detector (≥1.5kW) Auto setter		

Selection Chart



APVS stainless steel pumps for wastewater

50 Hz

Specification

Application	Disc. Diameter (mm)	50-80
	Liquid temp	0-40°C
	Liquid nature	Acid / Alkaline / Corrosive Liquid between PH 5-11
	Max. depth	30M
Structure	Impeller	Semi-open
	Mech. seal	Double mechanical seals
	Bearing	Ball type bearing
Material	Upper cover	SCS14
	Frame	SUS316
	Impeller	SCS14
	Casing	SCS14
	Mech. seal	SIC/SIC
	Main shaft	SUS316
Motor	Cable	VCT
	Type	Dry & High-Efficiency Motor
	Insulation	B Class (F class : 3.7kW)
	Frequency · Pole	50Hz · 2P
Optional	Protector	Auto-cut (Overheat protector: 0.4kW-1P)
		Float switch (≤0.75kW) Water detector (≥1.5kW) Auto setter

Selection Chart

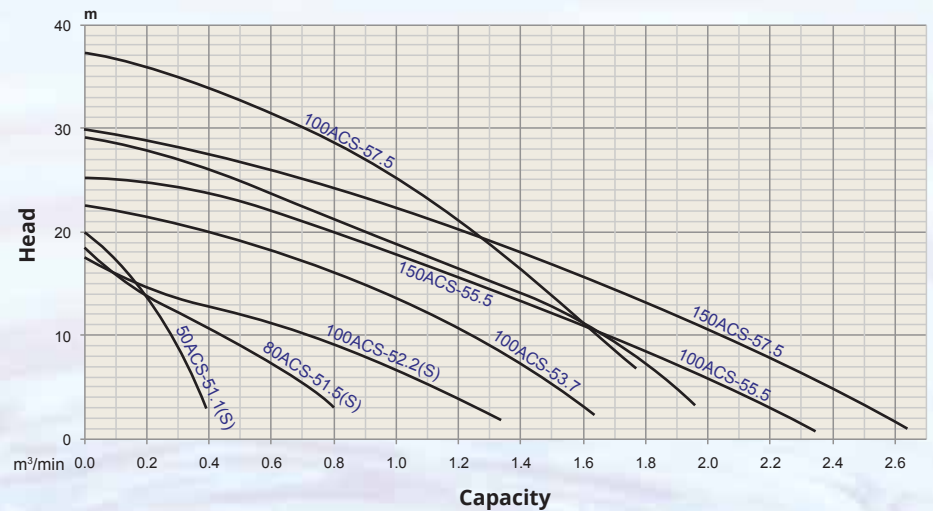


ACS for dewatering

Specification

Pumping liquid	Disc. Diameter (mm)	50-80-100-150		
	Liquid temp	0-40°C		
	Liquid nature	Agriculture irrigation, Other drainage		
Pump	Max. depth	30M		
	Structure	Impeller	Enclosed channel	
		Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
	Material	Out cover	SUS304	
		Upper cover	FC200	
Impeller		Bronze (≤1.1kW), Chrome steel (≥1.5kW)		
Motor	Casing	FC200		
	Mech. seal	SIC/SIC		
	Type	Dry type		
	Insulation	B class (F class ≥ 3.7kW)		
Protector	Frequency · Pole	50Hz · 2P		
	Material	Frame	SUS304	
	Main shaft	SUS403		
	Cable	VCT / HVCT (≥5.5kW)		

Selection Chart

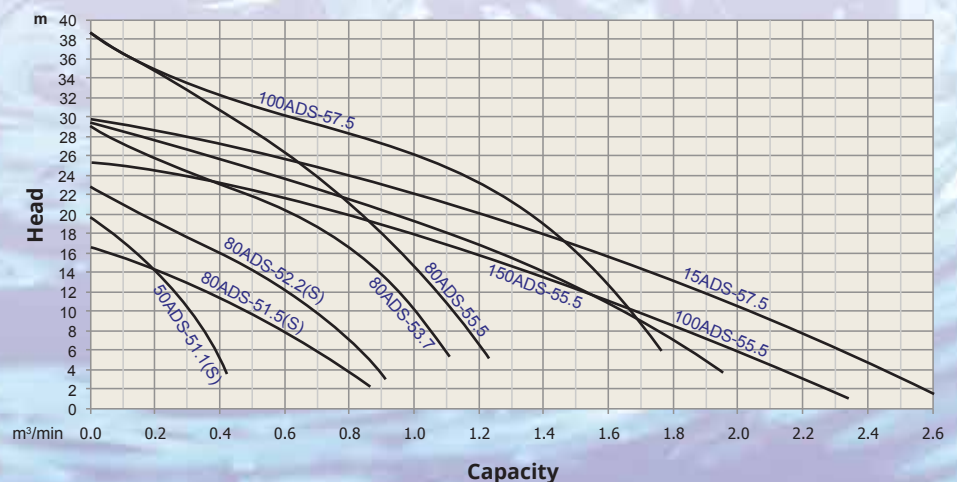


ADS for construction drainage

Specification

Disc. Diameter(mm)	50-80	80-100-150		
	Power	1.1-3.7kW	5.5-7.5kW	
Pumping liquid	Liquid temp	0-40°C		
	Liquid nature	Wastewater and sewage	Sandy · Wastewater	
	Max. depth	30M		
Pump	Structure	Impeller	Semi-open(50ADS) Enclosed	Enclosed Semi-open (80ADS-55.5)
		Mech. seal	Double mechanical seals	
		Bearing	Ball type bearing	
	Material	Out cover	SUS304	
		Upper cover	FC200	
		Casing	FC200	
Motor	Casing cover	FC200		
	Impeller	HiCr		
	Mech. seal	SIC/SIC		
Protector	Type	Dry Type		
	Insulation	B Class(3.7kW : F Class)	F class	
	Frequency · Pole	50Hz · 2P		
	Material	Frame	SUS304	FC200
Optional	Main shaft	SUS403	SUS420J2	
	Cable	VCT	HVCT (≥5.5kW)	
Optional		Float switch 50ADS-51.1(S)		

Selection Chart



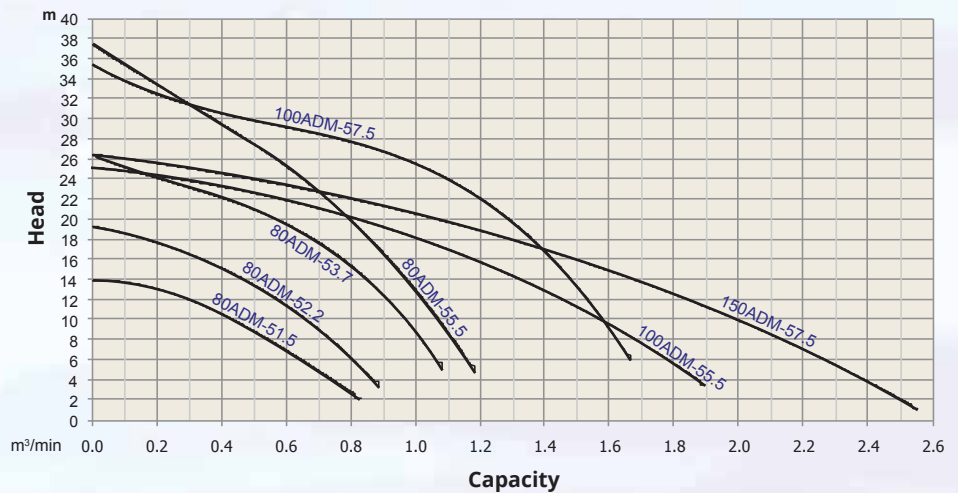
ADM agitator pumps for dewatering

50 Hz

Specification

Application	Disc. Diameter (mm)	80-100-150
	Power (kW)	1.5-7.5
	Liquid temp	0-40°C
	Liquid nature	Delivery of Sandy & Abrasive Liquid, Suitable for Construction or Mining Field
Structure	Max. depth	30M
	Impeller	Semi-open (80ADM-55.5) Enclosed
	Mech. seal	Double mechanical seals
	Bearing	Ball type bearing
Material	Out cover	SUS304
	Upper cover	FC200
	Frame	FC200
	Impeller	HiCr
	Casing	FC200
	Agitator	FCD700
	Mech. seal	SIC / SIC
	Main shaft	SUS403(≤3.7kW), SUS420J2 (≥5.5kW)
	Cable	VCT
	Motor	Type
Insulation		B class (F class ≥ 3.7kW)
Frequency · Pole		50Hz · 2P
Protector		Auto-cut

Selection Chart

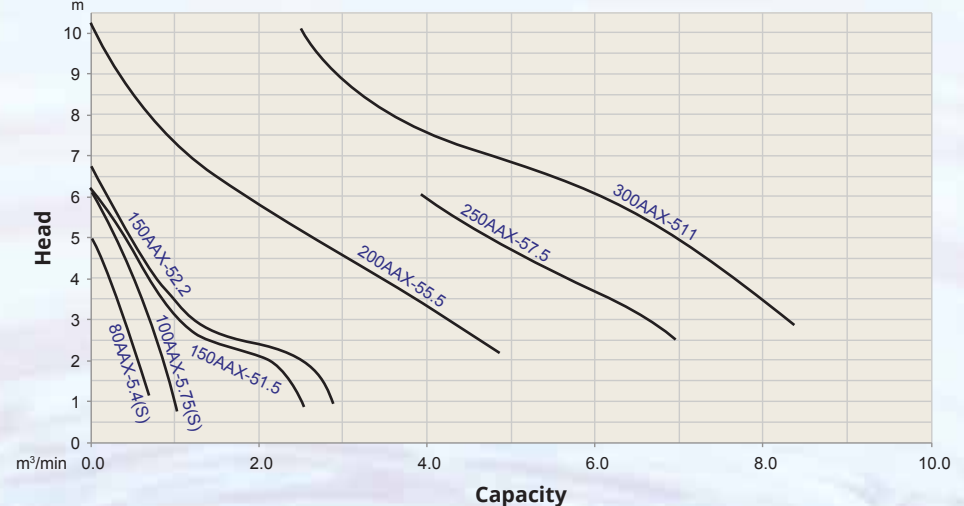


AAX large flow capacity pumps for drainage and flooding control

Specification

Pumping liquid	Disc. Diameter (mm)	80-100-150-200-250-300	
	Liquid temp	0-40°C	
	Liquid nature	Agriculture irrigation, Aquaculture water, River water	
	Max. depth	30M	
Pump	Structure	Impeller	Axial-flow / Mix-flow (11kW)
		Mech. seal	Double mechanical seals
		Bearing	Ball type bearing
	Material	Outer cover	SUS304
		Upper cover	FC200
		Mech. seal	CA/CE(5.5-11Kw), SIC/SIC(0.4-2.2Kw)
Motor	Type	Dry type	
	Insulation	B Class / F Class (≥5.5kW)	
	Frequency · Pole	50Hz · 4P, 2P(≤0.75kW)	
	Protector	Auto-cut(≥5.5kW Optional)	
	Material	Frame	FC200
		Main shaft	SUS403 (≥1.5kW) SUS410 (≤0.75kW)
Cable		VCT / HVCT	

Selection Chart

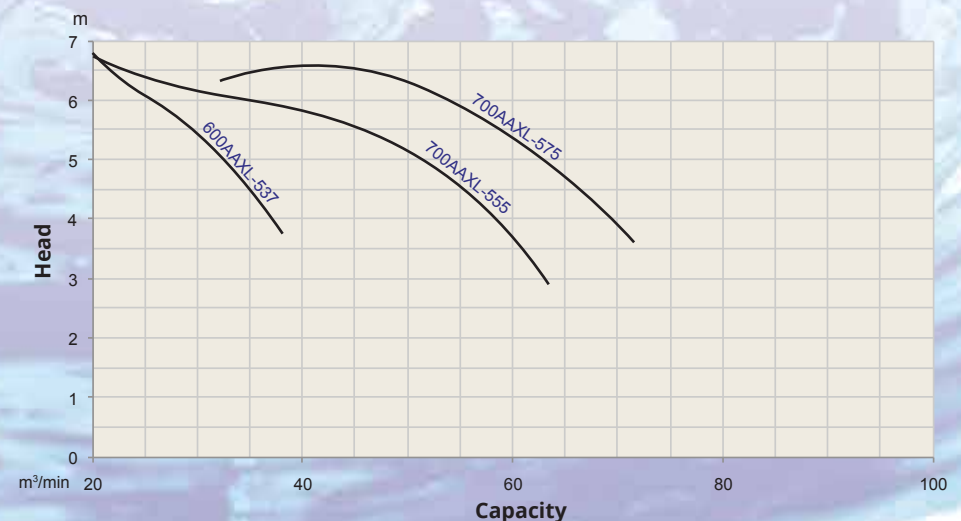


AAXL axial flow pumps for drainage and flooding control

Specification

Pumping liquid	Disc. Diameter (mm)	550-700	
	Liquid temp	0-40°C	
	Liquid nature	Wastewater, Industry drainage, Agriculture irrigation, Aquaculture water	
	Pump	Structure	Impeller
Mech. seal			Double mechanical seals
Bearing			Ball type bearing
Material		Upper cover	FC200
		Impeller	Bronze / Stainless steel
		Mech. seal	SIC + Hard alloy
Protection Device	Water detector in mechanical seal chamber (Optional)		
Motor	Type	Dry type	
	Frequency · Pole	50Hz · 2P	
	Phase Volt.	3φ, 380-460V	
	Insulation	F Class (155°C)	
	Protection Device	Motor thermal protector (optional)	
	Material	Frame	FC200
Main shaft		SUS420J2	
Cable		2PNCT	

Selection Chart



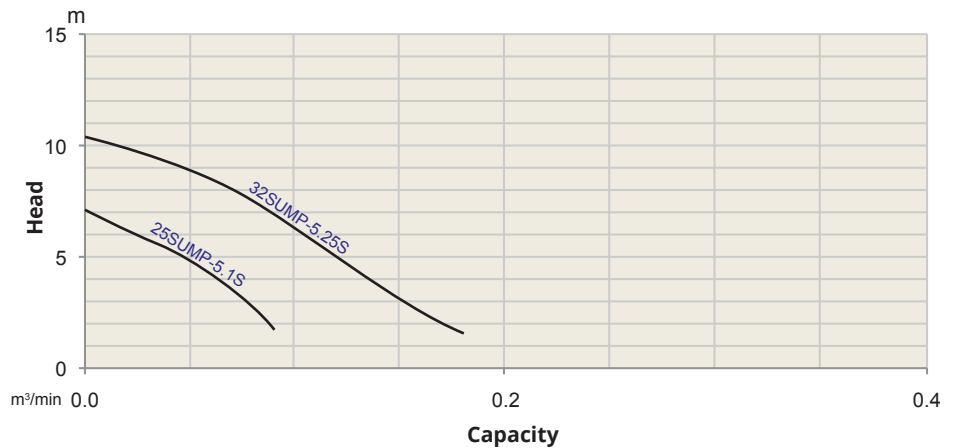
SUMP for household application

50 Hz

Specification

Disc. Diameter(mm)	25	32		
Power	0.1 - 0.15kW	0.25kW		
Pumping liquid	Liquid temp	0~40°C		
	Liquid nature	Dirty water from sumps, Clean water, Basins and tanks		
		Marine culture, Sea water		
Pump	Max. depth	10M		
	Structure	Impeller	Semi-open	
		Mech. seal	Single mechanical seals	
		Bearing	Ball type bearing	
	Material	Upper cover	AAS	PP
		Impeller	ABS+GF	PA
		Casing	AAS	PP
Mech. seal		Carbon / Ceramic		
Motor	Type	Dry Type		
	Insulation	B Class		
	Frequency · Pole	50Hz · 2P		
	Protector	Overheat protector		
	Material	Frame	ADC12	SUS304
		Main shaft	SUS410	
		Cable	VCT	
Optional	Float switch			

Selection Chart



TERAL

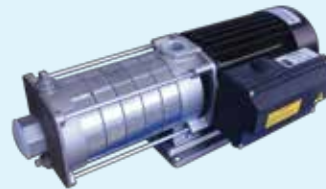
Pumps and Fans



In-line Pumps



End-Suction Pumps



Horizontal Multistage Pumps



Variable Speed Systems



Freshwater & Sewage Submersible Pumps



Horizontal Split Case Pumps



Coolant Pumps



Ring Blowers



Centrifugal Fans

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