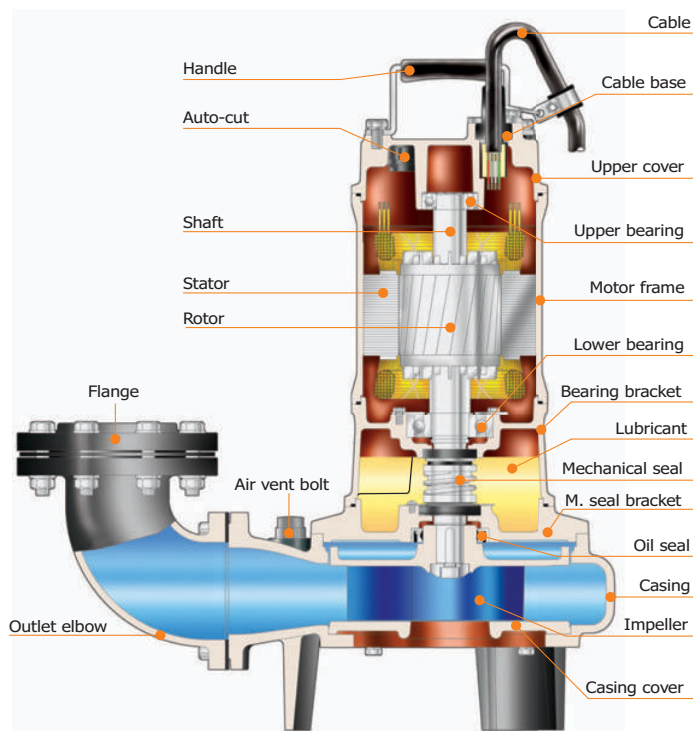


AF SEWAGE/WASTEWATER SUBMERSIBLE PUMPS



FEATURE

- International standard design : Epoxy Resin Sealed cable, Auto Cut (MTS: Miniature Thermal Sensor equip to >15HP model), dry-motor, silicon carbide mechanical seal, high grade cast iron offering highest quality and performance.
- P/U/C/E multiple impellers designed to handle sewage solids and/or fibrous substances.
- Double Mechanical Seal: Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.
- Mechanical Seal Bracket designed with Oil Elevating Chip to enhance the lubricant, and extend the lifetime of the Mechanical Seal.
- Full range offering low to high head and flow capabilities, with compact and easy installation. Also, available with Guide Rail System, which allows automatic remote connection and disconnection without entering the pit.
- AFC Pump is designed with 6 lobes input, equipped with double tungsten blade; which can strongly cut off the foreign materials and avoid the impeller clog.



APPLICATIONS

- Drainage of waste water from the attenuation tank, purifying tank and sewage tank in water treatment plant.
- Drainage of waste water containing fibrous additives from leather factory, dyeing factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm.
- Pumping sewage from hotels, restaurants, schools and public buildings.
- Sewage management, accumulated water, septic tank, stock farm.

IMPELLER TYPE

P Type Impeller

Semi-open (Single or Two Vane Impeller):

Excellent to use with waste materials to prevent from clogging.



C Type Impeller

Semi-open:

Equipped with Tungsten Blade. Excellent to use with waste materials to prevent from clogging.



U Type Impeller

Semi-open (Vortex Impeller):

Produces a vortex (whirlpool effect) allowing long fibrous materials and other solid waste to pass through, without contact with the impeller



Note: 3Phase U type The vortex impeller will cause higher amperage when Operated in reverse direction.

E Type Impeller

Enclosed Channel impeller :

High impeller efficiency and clog-resistant design, primarily used for large pump applications.





50AFU2.4
50AFU2.8



50AFU2.4L
50AFU2.8L



80AFU21.5L
80AFU22.2L



80AFU23.7A
80AFU23.7LA

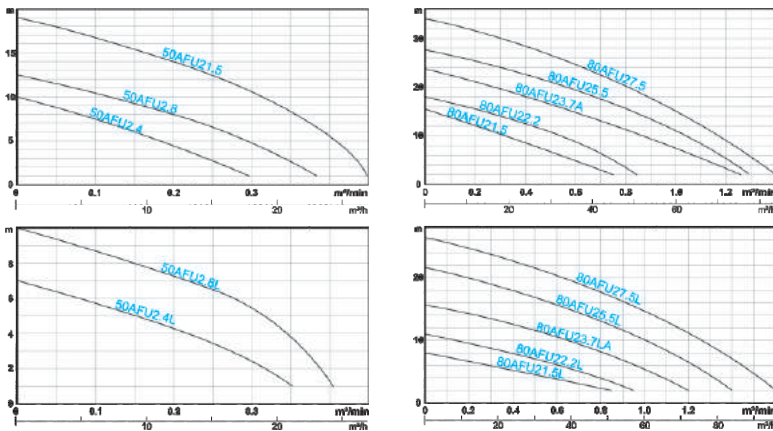


80AFU25.5(L)
80AFU27.5(L)

PRODUCT NOMENCLATURE

80	AF	U	4	2.2
Discharge mm	Type	Impeller type (P/U)	Pole	kW

PERFORMANCE CURVES



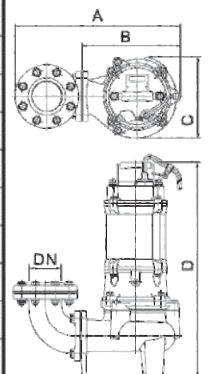
SPECIFICATIONS

Discharge (mm)		50 • 80 • 100
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Wastewater • Sewage
	Submersion Depth	30m (100feet)
Type	Frequency	50Hz
	Motor	2P (3000RPM) • 4P (1500RPM) • Dry Motor
	Insulation	Class B(0.5~3HP) Class F(5~10HP)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double M.seals
	Impeller	Semi-open (P/U) Enclosed-channel (E)
Material	Upper Cover	FC-200
	Motor Frame	FC-200
	Shaft End	SUS410 (2P:0.5~1HP) SUS403 (2P:2~10HP • 4P:0.5~5HP) SUS420J2 (4P:7.5~10HP)
	M.seal	Upper: Carbon/Ceramic Lower: Silicon/Silicon
	Casing	FC-200
	Impeller	FC-200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	Pumps can be customized to fit specifications	

PERFORMANCE SPEC.

Pole	Model	Output HP(kW)	Size DN Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage mm	Weight (kg)		Dimension (mm)				
							m³/min	m³/h		1Ø	3Ø	A	B	C	D	
															1Ø	3Ø
2P	50AFU2.4	½ (0.4)	2" (50)	1	Capacitor	6	0.15	9	35	19	18	236	-	155	418	418
	50AFU2.8	1 (0.75)	2" (50)	3	Direct	8	0.2	12	35	20	19	236	-	155	418	418
	50AFU21.5	2 (1.5)	2" (50)	1	Capacitor	14	0.2	12	35	33	29	288	-	202	532	477
	80AFU21.5	2 (1.5)	3" (80)	3	Direct	8.5	0.4	24	50	35	32	397	260	202	574	519
	80AFU22.2	3 (2.2)	3" (80)	1	Capacitor	12.5	0.4	24	50	38	34	397	260	202	601	519
	80AFU23.7A	5 (3.7)	3" (80)	3	Direct	16.5	0.5	30	50	-	46	481	286	222	-	573
	80AFU25.5	7½ (5.5)	3" (80)	3	Direct	19.5	0.6	36	50	-	68	504	309	258	-	665
	80AFU27.5	10 (7.5)	3" (80)	3	Direct	24.5	0.6	36	50	-	74	504	309	258	-	665
	50AFU2.4L	½ (0.4)	2" (50)	1	Capacitor	4	0.22	13.2	50	20	19	306	201	163	448	448
	50AFU2.8L	1 (0.75)	2" (50)	3	Direct	6.5	0.25	15	50	22	21	306	201	163	448	448
	80AFU21.5L	2 (1.5)	3" (80)	1	Capacitor	4.5	0.5	30	76	38	34	402	265	221	626	571
	80AFU22.2L	3 (2.2)	3" (80)	3	Direct	7	0.5	30	76	40	36	402	265	221	653	571
	80AFU23.7LA	5 (3.7)	3" (80)	3	Direct	10.5	0.6	36	76	-	48	481	286	235	-	625
	80AFU25.5L	7½ (5.5)	3" (80)	3	Direct	13	0.8	48	76	-	70	509	314	273	-	717
	80AFU27.5L	10 (7.5)	3" (80)	3	Direct	17.5	0.8	48	76	-	76	509	314	273	-	717

Note: Weight Without Cable & Elbow Set





80AFP/AFC21.5
80AFP/AFC22.2



50AFU4.4
50AFU4.8



80AFP23.7A
80/100AFP25.5/27.5



80AFU41.5
80AFU42.2
80AFU43.7



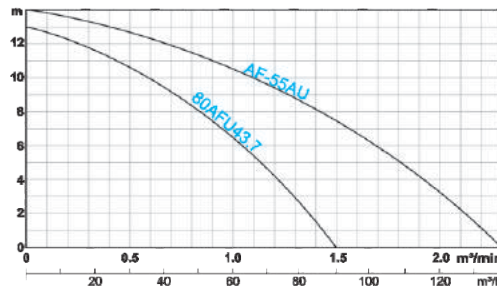
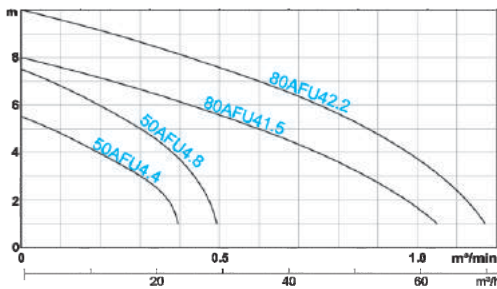
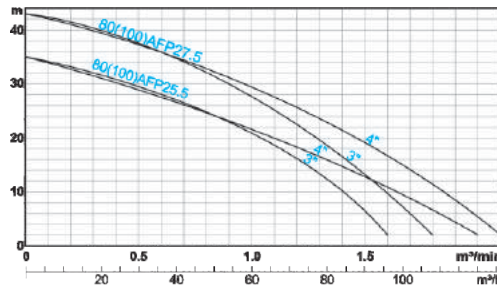
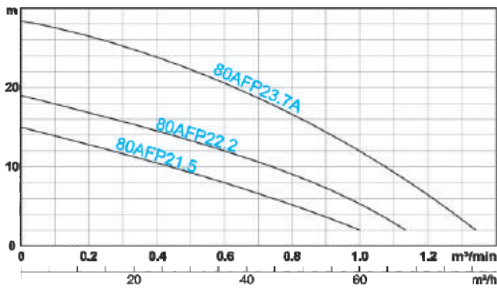
AF-55AU
AF-55AE

PRODUCT NOMENCLATURE

AF	55	A	U
Type	kW	Style	Impeller type (E/U)

AF	6	10
Type	Discharge inch	HP

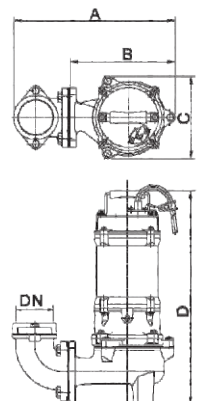
PERFORMANCE CURVES



PERFORMANCE SPEC.

Pole	Model	Output HP(kW)	Size DN Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage mm	Weight (kg)		Dimension (mm)					
							m³/min	m³/h		1Ø	3Ø	A	B	C	D		
2P	80AFP21.5	2 (1.5)	3" (80)	1	Capacitor	8	0.6	36	35	37	33	413	275	260	576	525	
				3	Direct												
	80AFP22.2	3 (2.2)	3" (80)	1	Capacitor	12	0.6	36	35	40	35	413	275	260	608	525	
				3	Direct												
	80AFP23.7A	5 (3.7)	3" (80)	3	Direct	20.5	0.6	36	32	-	48	500	305	290	-	578	
4P	80(100)AFP25.5	7½ (5.5)	3" (80) 4" (100)	3	Direct	28 21.5	0.6 1.0	36 60	30	-	75	568 596	373	345	-	689	
	80(100)AFP27.5	10 (7.5)	3" (80) 4" (100)	3	Direct	36 29.5	0.6 1.0	36 60	30	-	81	568 596	373	345	-	689	
4P	50AFU4.4	½ (0.4)	2" (50)	1	Capacitor	3.5	0.25	15	50	30	28	346	241	204	516	516	
				3	Direct												
	50AFU4.8	1 (0.75)	2" (50)	1	Capacitor	5	0.3	18	50	30	29	346	241	204	516	516	
				3	Direct												
	80AFU41.5	2 (1.5)	3" (80)	1	Capacitor	5	0.6	36	76	47	47	443	305	255	700	622	
				3	Direct												
	80AFU42.2	3 (2.2)	3" (80)	3	Direct	7	0.6	36	76	-	57	538	422	289	-	675	
80AFU43.7	5 (3.7)	3" (80)	3	Direct	10	0.6	36	76	-	65	538	422	289	-	695		
	AF-55AU	7½ (5.5)	4" (100)	3	Direct	10.5	1.0	60	25	-	115	687	453	405	-	795	

Note: Weight Without Cable & Elbow Set

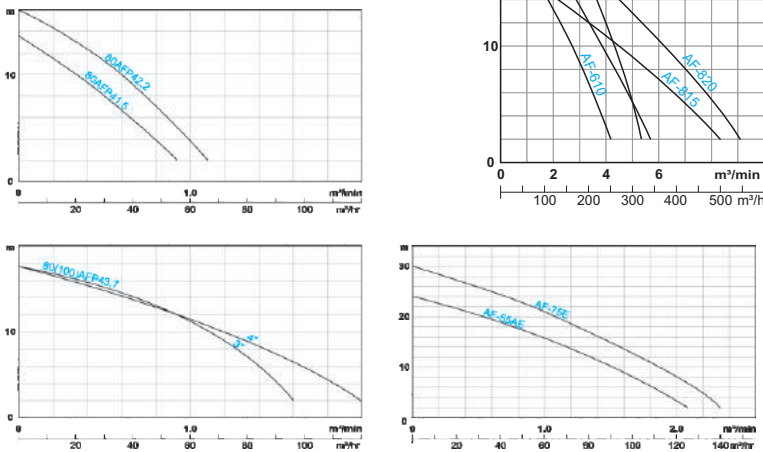




PRODUCT NOMENCLATURE

AF	-	55	A	E
Type		kW	Style	impeller type
AF	-	6	10	
Type		Discharge inch	HP	

PERFORMANCE CURVES



SPECIFICATIONS

Discharge (mm)		150 • 200
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Wastewater • Sewage
	Submersion Depth	30m (100feet)
Type	Frequency	50Hz
	Motor	4P: 1500RPM • Dry Motor
	Insulation	Class F(10~20HP)
	Protection	IP68
	Protector	Auto-cut(10HP) • MTS / MS(15~20HP)
	Bearing	Ball Type
Material	M.seal	Double M.seals
	Impeller	Enclosed-channel (E)
	Upper Cover	FC-200
	Motor Frame	FC-200
	Shaft End	SUS420J2 (4P:10~20HP)
	M.seal	Upper: Carbon/Ceramic Lower: Silicon/Silicon
	Casing	FC-200
	Impeller	FC-200
Cable	VCT or H07RN-F or SOW	
Optional	Pumps can be customized to fit specifications	

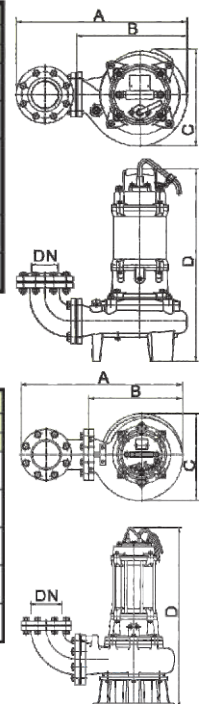
PERFORMANCE SPEC.

Pole	Model	Output HP(kW)	Size DN Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage (mm)	Weight (kg)		Dimension (mm)				
							m³/min	m³/h		1Ø	3Ø	A	B	C	D	
4P	80AFP41.5	2 (1.5)	3" (80)	1	Capacitor	8	0.5	30	50	47	47	472	334	290	645	567
	80AFP42.2	3 (2.2)	3" (80)		Direct											
	80(100)AFP43.7	5 (3.7)	3" (80)	3	Direct	14.5	0.6	36	50	-	67	553	437	313	-	623
			4" (100)			11.5										
	AF-55AE	7½ (5.5)	4" (100)	3	Direct	16	1.0	60	40	-	124	687	453	405	-	795
AF-75E	10 (7.5)	4" (100)	3	Direct	18	1.0	60	40	-	138	687	453	405	-	816	

Note: Weight Without Cable & Elbow Set

Pole	Model	Output HP(kW)	Size DN Inch(mm)	Phase Ø	Start Method	Head (m)	Capacity		Solid Passage (mm)	Weight (kg)		Dimension (mm)				
							m³/min	m³/h		1Ø	3Ø	A	B	C	D	
4P	AF-610	10 (7.5)	6" (150)	3	Direct	11	2.5	150	70	-	183	888	559	449	-	870
	AF-615	15 (11)	6" (150)	3	Y-Δ	15.5	2.5	150	70	-	224	895	566	477	-	988
	AF-620	20 (15)	6" (150)	3	Y-Δ	20.5	2.5	150	76	-	153	806	536	455	-	938
	AF-815	15 (11)	8" (200)	3	Y-Δ	10	4.5	270	75	-	225	1045	661	501	-	994
	AF-820	20 (15)	8" (200)	3	Y-Δ	14	4.5	270	75	-	193	1045	661	501	-	994

Note: Weight Without Cable & Elbow Set



AFG SERIES

SUBMERSIBLE SLURRY PUMP



FEATURE

1. Offering the highest in quality and performance with a international standard design.
2. Harden and abrasion resistant impeller with a 30~33 HRC Hardness. Abrasion resistant Chrome steel wear ring equipped for model AF-610/615.
3. Equipped with harden ductile iron agitator with a hardness of 50~55 HRC to create a powerful stirring action to remove fine solids



APPLICATIONS

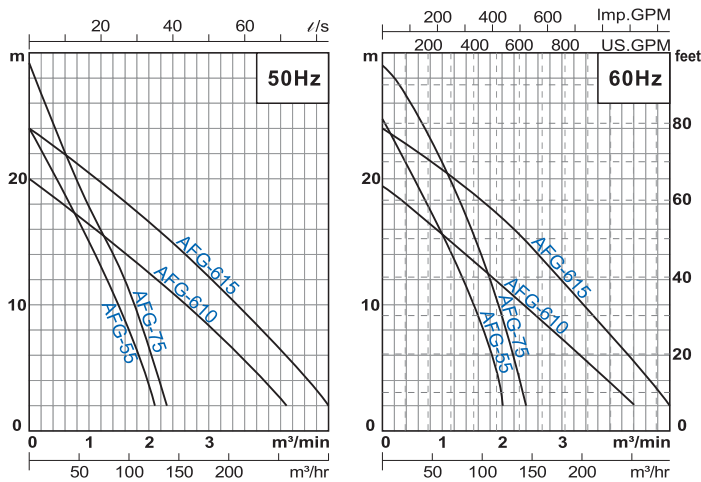
1. Sand and gravel, coal plants, construction sites.
2. Sludge, Silt removal.
3. Agitates larger solids from the sump floor.



SPECIFICATIONS

Item		Description
Limits Of Use	Liquid Temp.	0~40 °C
	Applications	Dewatering Fluid Contains Solid Sediment
	Submersion Depth	30m
Type	Frequency	50Hz • 60Hz
	Motor	4P • Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut (AFG-615 : MTS)
	Bearing	Ball Type
	M.seal	Double M.seal
	Impeller	Enclosed-channel
	Material	Upper Cover
Motor Frame		FC-200
Main Shaft		SUS420J2
Impeller		FC-200 + Heat Treatment
M.seal		Upper : Carbon/Ceramic lower : Silicon/Silicon
Casing		FC-200
Agitator		FCD-700 + Heat Treatment
Wear Ring		AFG-610/615 : Chrome Steel
Casing Cover		AFG-55/75 : FC-200 + Heat Treatment AFG-610/615 : FC-200
Cable		VCT or H07RN-F or SOW (10HP/230V:SJOW)
Optional	Pump can be customized to fit specifications	

PERFORMANCE CURVES



PERFORMANCE SPEC.

50Hz													
Model	Power HP (kW)	Discharge inch (mm)	Pole	Motor		Standard		Weight kg	solid Passage mm	Dimensions mm			
				Phase Ø	Start Method	M	m³/min			Width	Length	Height	
AFG-55	7½ (5.5)	4" (100)	4	3	Direct	15	1	149	26	687	405	795	
AFG-75	10 (7.5)	4" (100)	4	3	Direct	18	1	163	26	687	405	816	
AFG-610	10 (7.5)	6" (150)	4	3	Direct	10.5	2.5	222	54	888	449	870	
AFG-615	15 (11)	6" (150)	4	3	Y-Δ	14.5	2.5	262	54	895	477	988	

60Hz													
Model	Power HP (kW)	Discharge inch (mm)	Pole	Motor		Standard		Weight kg(lb)	solid Passage mm(inch)	Dimensions mm(inch)			
				Phase Ø	Start Method	m (ft)	m³/min (GPM)			Width	Length	Height	
AFG-55	7½ (5.5)	4" (100)	4	3	Direct	15.5(50)	1(265)	146(322)	26(1)	687(27)	405(16)	795(31)	
AFG-75	10 (7.5)	4" (100)	4	3	Direct	21(70)	1(265)	160(353)	26(1)	687(27)	405(16)	816(32)	
AFG-610	10 (7.5)	6" (150)	4	3	Direct	9.5(48)	2.5(660)	220(485)	54(2)	888(35.2)	449(18)	870(34)	
AFG-615	15 (11)	6" (150)	4	3	Y-Δ	14.5(30)	2.5(660)	261(575)	54(2)	895(35.2)	477(19)	988(39)	

We reserve the right to alter specifications of product at any time without giving prior noti