

AF SERIES

SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

POWER : 0.5~15HP (0.4~11kW)

MAX.HEAD : 178feet (54m)

MAX.FLOW : 1190US.GPM (4.5m³/min)



PRODUCT NOMENCLATURE

Example:	80	AF	P	4	2.2
	Discharge mm	Type	Impeller type	Pole	kW

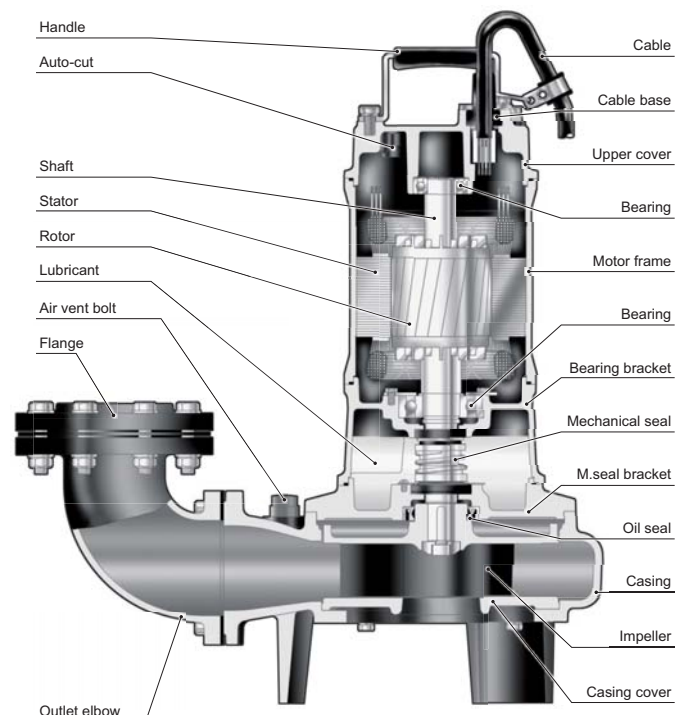
FEATURE

- International standard design : cable, auto-cut, dry-motor, silicon carbide mechanical seal, high grade cast iron offering highest quality and performance.
- P/U/E multiple impeller designs to handle sewage solids and/or fibrous substances.
- Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.
- Oil lip seal mounted outside of seal chamber stops solids gathering around seal faces.
- 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.

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 single and multifamily dwellings.
- Pumping sewage from hotels, restaurants, schools and public buildings.



AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

50AFU2.4 · 50AFU2.8 · 50AFU21.5 · 80AFU21.5 · 80AFU22.2 · 80AFU23.7A

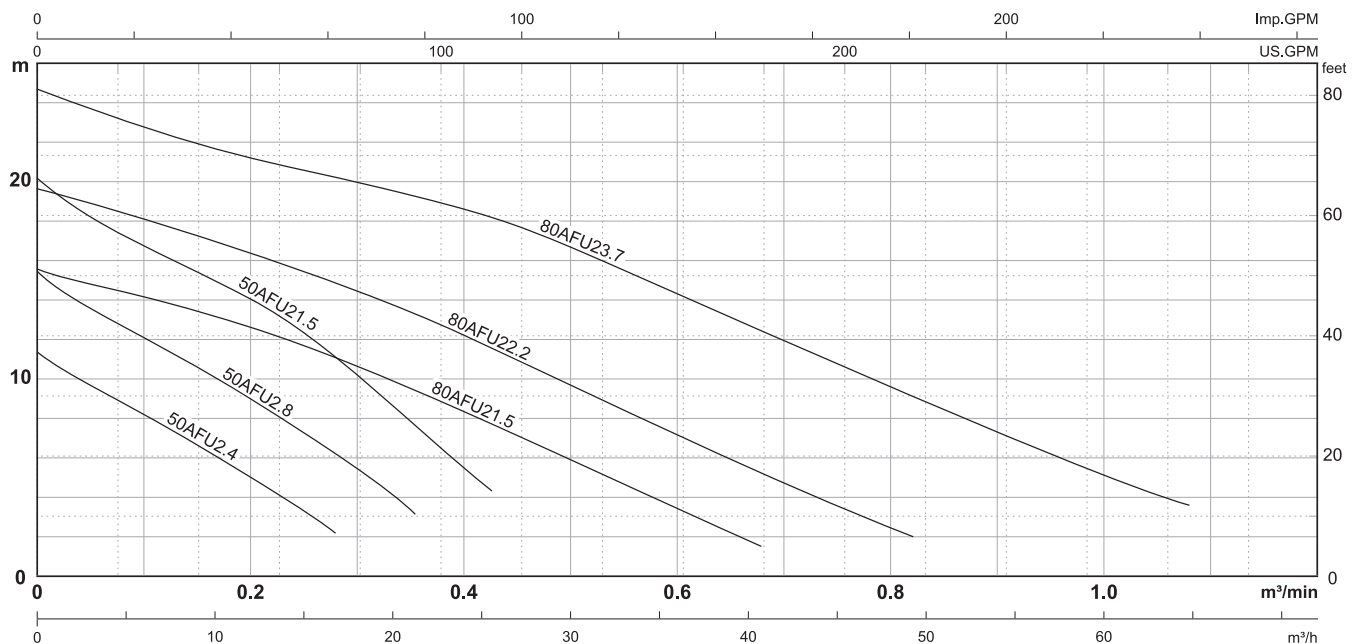
SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	2P(3600rpm) · Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS410(0.5~1HP) · SUS403(2~5HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
50AFU2.4	0.5(0.4)	2"(50)	5.5-0.15	18-40	10-0.32	32-85	35(1 ³ / ₈ "	19(42)	18(40)	Full load Ampere	6.6	3.3	2.3	2.2	1.3	1.1	1.0
50AFU2.8	1(0.75)	2"(50)	8-0.2	25-52	14-0.36	45-95	35(1 ¹ / ₈ "	20(44)	19(42)		10.4	5.2	3.4	3.3	1.9	1.6	1.3
50AFU21.5	2(1.5)	2"(50)	14-0.2	46-55	20-0.45	66-120	35(1 ³ / ₈ "	33(73)	29(64)		—	10.0	6.0	6.0	3.4	3.0	2.4
80AFU21.5	2(1.5)	3"(80)	8-0.4	26-105	16-0.7	53-185	50(2")	35(77)	32(71)		—	10.0	6.0	6.0	3.4	3.0	2.4
80AFU22.2	3(2.2)	3"(80)	12-0.4	40-105	19.5-0.8	65-210	50(2")	38(84)	34(75)		—	14.6	8.6	8.4	4.8	4.2	3.4
80AFU23.7A	5(3.7)	3"(80)	16.5-0.5	55-132	24.5-1.1	82-290	50(2")	—	45(99)		—	—	13.8	13.6	7.8	6.8	5.4

PERFORMANCE CURVES



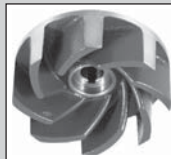
Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	70'	80'	Q:m³/min Q:m³/h		0.1	0.2	0.3	0.4	0.5	0.6	0.8	1
														6	12	18	24	30	36	48	60
50AFU2.4	0.5(0.4)	2"(50)	Q:US.GPM	68	44	18	—	—	—	—	—	H:m	8.2	5.0	—	—	—	—	—	—	—
50AFU2.8	1(0.75)	2"(50)		—	75	52	26	—	—	—	—			12.1	9.0	5.5	—	—	—	—	—
50AFU21.5	2(1.5)	2"(50)		—	102	85	67	42	13	—	—			16.8	14.0	10.2	5.5	—	—	—	—
80AFU21.5	2(1.5)	3"(80)		163	130	97	59	5	—	—	—			14.2	12.6	10.7	8.4	5.9	3.4	—	—
80AFU22.2	3(2.2)	3"(80)		204	170	138	106	69	24	—	—			18.1	16.4	14.5	12.2	9.7	7.2	2.5	—
80AFU23.7A	5(3.7)	3"(80)		—	252	217	182	149	111	51	4			22.8	21.2	20.0	18.6	16.7	14.4	9.6	5.2

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80AFU25.5 · 80AFU27.5 · 80AFU211

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	2P(3600rpm) · Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS403(7.5~10HP) · SUS420J2(15HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SOW
Optional		—



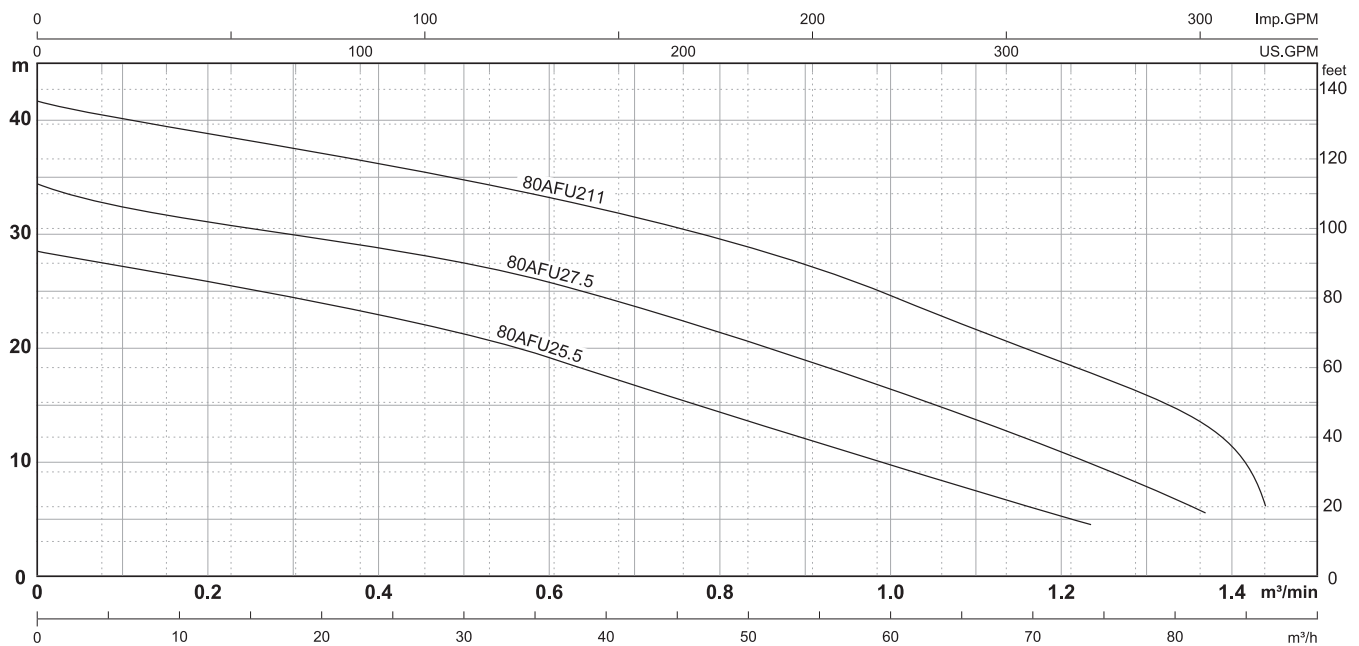
U Type Vortex Impeller



80AFU25.5 · 80AFU27.5 · 80AFU211

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)	Voltage	110V	220V	220V	230V	380V	460V	575V
80AFU25.5	7.5(5.5)	3"(80)	19-0.6	63-160	28.5-1.25	95-330	50(2")	—	67(148)	Full load Ampere	—	—	19.8	19.0	11.5	9.5	7.9
80AFU27.5	10(7.5)	3"(80)	25-0.6	82-160	34.5-1.4	115-370	50(2")	—	74(163)		—	—	25.8	24.6	15.0	12.3	10.1
80AFU211	15(11)	3"(80)	33-0.6	110-160	42-1.5	138-396	50(2")	—	84(185)		—	—	37.0	35.5	21.8	17.7	14.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet									Q:m³/min							
				20'	30'	40'	50'	60'	80'	100'	120'	Q:m³/h	0.2	0.4	0.6	0.8	1	1.2	1.4
80AFU25.5	7.5(5.5)	3"(80)	Q:US.GPM	307	272	236	202	168	80	—	—	H:m	25.8	23.0	19.2	14.4	9.8	5.3	—
80AFU27.5	10(7.5)	3"(80)		358	333	305	276	245	176	66	—		31.2	28.8	25.8	21.4	16.4	11.0	—
80AFU211	15(11)	3"(80)		380	376	367	349	322	266	200	98		38.8	36.2	33.2	29.6	24.6	18.8	11.4

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

50AFU2.4L · 50AFU2.8L · 80AFU21.5L · 80AFU22.2L · 80AFU23.7LA

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	2P(3600rpm) · Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS410(0.5~1HP) · SUS403(3~5HP)
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



50AFU2.4L · 50AFU2.8L



U Type Vortex Impeller



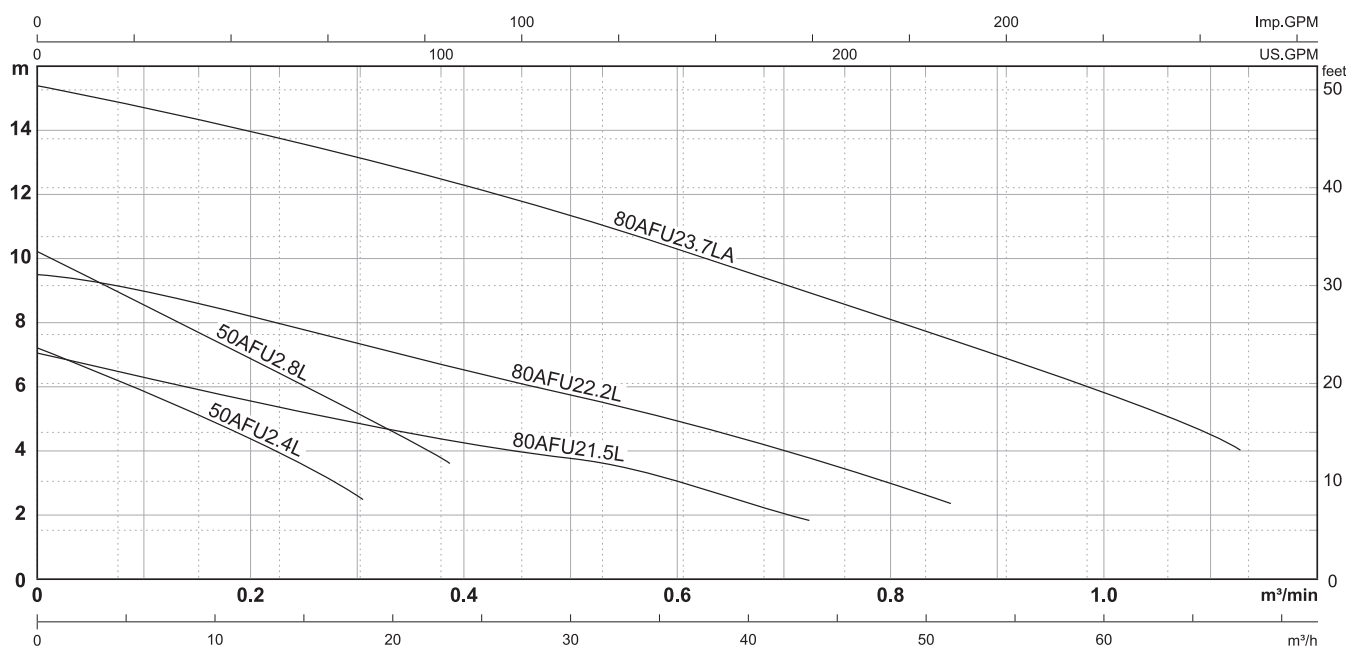
80AFU21.5L · 80AFU22.2L



80AFU23.7LA

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
50AFU2.4L	0.5(0.4)	2"(50)	4-0.2	13-52	6.5-0.35	21-92	50(2")	20(44)	19(42)	Full load Ampere	6.6	3.3	2.3	2.2	1.3	1.1	1.0
50AFU2.8L	1(0.75)	2"(50)	6-0.25	20-66	10-0.4	33-106	50(2")	22(49)	21(46)		10.4	5.2	3.4	3.3	1.9	1.6	1.3
80AFU21.5L	2(1.5)	3"(80)	3.5-0.5	12-132	7-0.75	22-198	76(3")	38(84)	34(75)		—	10.0	6.0	6.0	3.4	3.0	2.4
80AFU22.2L	3(2.2)	3"(80)	5.5-0.5	18-132	9.5-0.9	30-238	76(3")	40(88)	36(79)		—	14.6	8.6	8.4	4.8	4.2	3.4
80AFU23.7LA	5(3.7)	3"(80)	10-0.6	32-150	15.5-1.15	50-305	76(3")	—	48(106)		—	—	13.8	13.6	7.8	6.8	5.4

PERFORMANCE CURVES



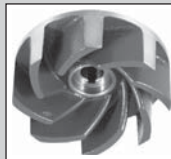
Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	15'	20'	25'	30'	35'	40'	45'	Q:m³/min		0.1	0.2	0.3	0.4	0.5	0.6	0.8	1
												Q:m³/h		6	12	18	24	30	36	48	60
50AFU2.4L	0.5(0.4)	2"(50)	Q:US.GPM	73	49	22	—	—	—	—	—	H:m		5.9	4.4	2.6	—	—	—	—	—
50AFU2.8L	1(0.75)	2"(50)		—	89	65	41	17	—	—	—			8.6	6.9	5.2	—	—	—	—	—
80AFU21.5L	2(1.5)	3"(80)		159	91	33	—	—	—	—	—			6.3	5.6	4.9	4.3	3.8	3.1	—	—
80AFU22.2L	3(2.2)	3"(80)		210	169	120	71	20	—	—	—			9.0	8.2	7.4	6.5	5.8	5.0	3.0	—
80AFU23.7LA	5(3.7)	3"(80)		—	289	258	223	186	149	108	60			14.7	14.0	13.2	12.3	11.4	10.3	8.1	5.8

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80AFU25.5L · 80AFU27.5L · 80AFU211L

SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp. 0~40°C(32~104°F)
	Applications Wastewater · Sewage
Type	Frequency 60Hz
	Motor 2P(3600rpm) · Dry Motor
	Insulation Class F
	Protection IP68
	Protector Auto-cut
	Bearing Ball type
	M.seal Double M.seals
	Impeller Vortex
Material	Upper Cover FC200
	Motor Frame FC200
	Shaft End SUS403(7.5~10HP) · SUS420J2(15HP)
	M.seal CA/CE & SiC/SiC
	Casing FC200
	Impeller FC200
	Cable VCT or H07RN-F or SOW
Optional	—



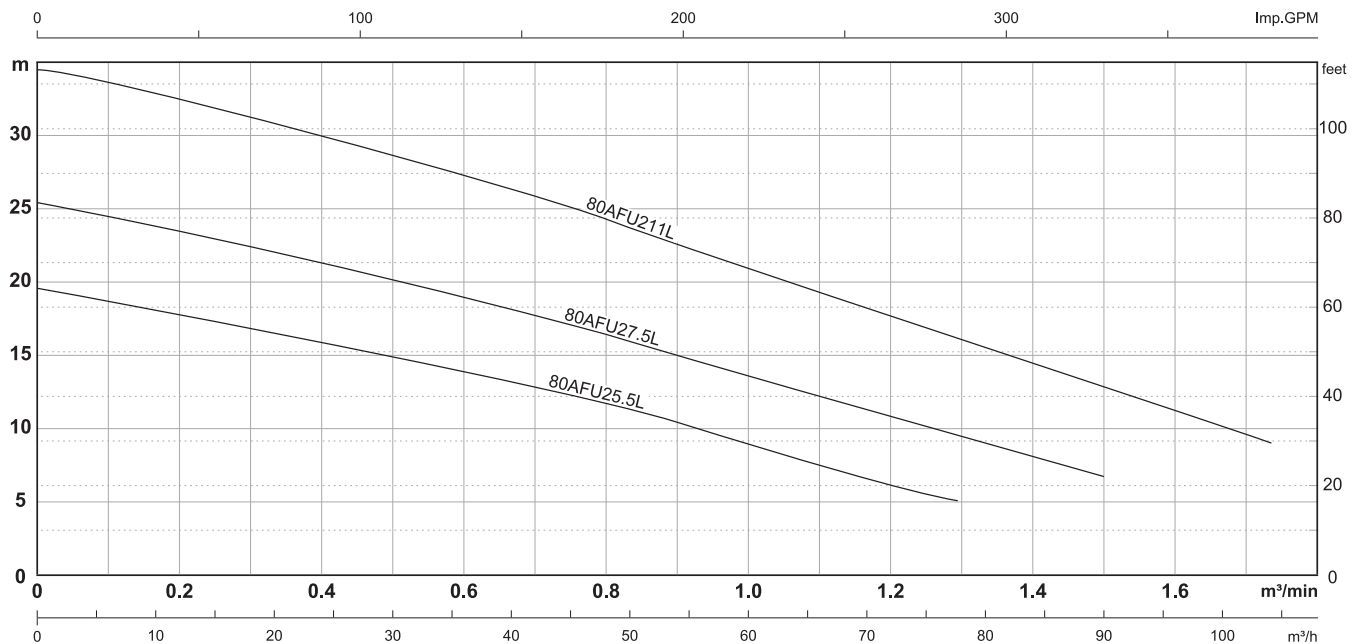
U Type Vortex Impeller



80AFU25.5L · 80AFU27.5L · 80AFU211L

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
80AFU25.5L	7.5(5.5)	3"(80)	11.5-0.8	38-212	19.5-1.3	65-345	76(3")	—	69(152)	Full load Ampere	—	—	19.8	19.0	11.5	9.5	7.9
80AFU27.5L	10(7.5)	3"(80)	16-0.8	53-212	25.5-1.55	85-410	76(3")	—	75(165)		—	—	25.8	24.6	15.0	12.3	10.1
80AFU211L	15(11)	3"(80)	23.5-0.8	77-212	34.5-1.8	114-475	76(3")	—	86(190)		—	—	37.0	35.5	21.8	17.7	14.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	30'	40'	50'	60'	70'	80'	90'	100'	Q:m³/min							
				30'	40'	50'	60'	70'	80'	90'	100'	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6
80AFU25.5L	7.5(5.5)	3"(80)	Q:US.GPM	260	200	122	38	—	—	—	—	17.8	15.9	13.9	11.8	9.0	6.2	—	—
80AFU27.5L	10(7.5)	3"(80)		349	291	233	173	105	29	—	—	23.5	21.3	19.0	16.4	13.6	10.8	8.1	—
80AFU211L	15(11)	3"(80)		456	407	357	307	257	210	156	95	32.5	30.0	27.3	24.4	21.0	17.7	14.5	11.2

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

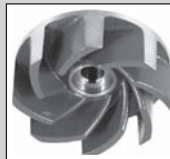
50AFU4.4 · 50AFU4.8 · 80AFU41.5 · 80AFU42.2 · 80AFU43.7

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm) · Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Vortex
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



50AFU4.4 · 50AFU4.8



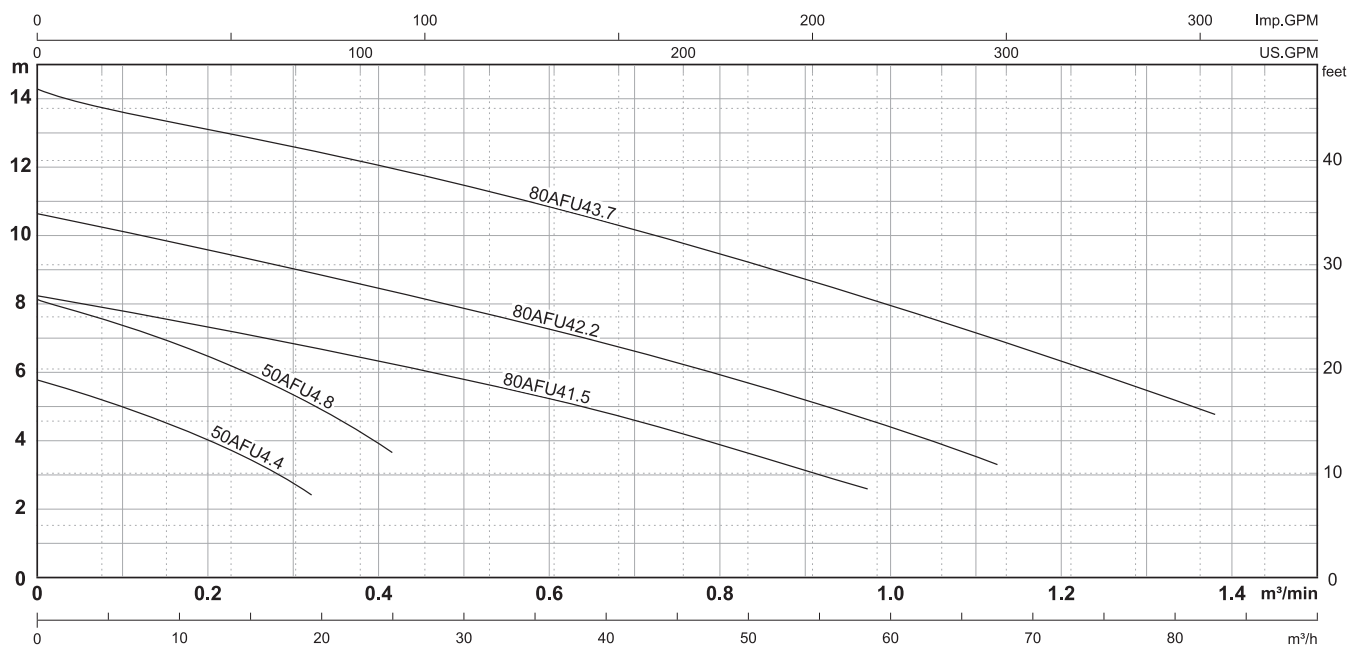
U Type Vortex Impeller



80AFU41.5 · 80AFU42.2 · 80AFU43.7

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)			110V	220V	220V	230V	380V	460V	575V
50AFU4.4	0.5(0.4)	2"(50)	3.5-0.23	12-60	5.5-0.4	18-106	50(2")	30(66)	28(62)	Full load Ampere		6.4	3.2	2.2	2.2	1.2	1.1	0.9
50AFU4.8	1(0.75)	2"(50)	5-0.3	15-80	8-0.5	25-132	50(2")	30(66)	29(64)			10.4	5.2	3.6	3.5	2.0	1.8	1.4
80AFU41.5	2(1.5)	3"(80)	5-0.6	15-158	8-1.1	25-290	76(3")	47(104)	47(104)			—	10.2	6.6	6.4	3.6	3.2	2.6
80AFU42.2	3(2.2)	3"(80)	7-0.6	22-158	10.5-1.2	35-317	76(3")	—	56(123)			—	—	9.0	8.9	5.2	4.5	3.6
80AFU43.7	5(3.7)	3"(80)	10.5-0.6	35-158	14-1.5	45-396	76(3")	—	63(139)			—	—	14.8	14.6	8.4	7.3	5.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	15'	20'	25'	30'	35'	40'	45'	Q:m³/min	0.1	0.2	0.3	0.4	0.6	0.8	1	1.2	
												Q:m³/h	6	12	18	24	36	48	60	72	
50AFU4.4	0.5(0.4)	2"(50)	Q:US.GPM	74	38	—	—	—	—	—	—	H:m	5.0	4.0	2.8	—	—	—	—	—	
50AFU4.8	1(0.75)	2"(50)		94	62	18	—	—	—	—	—		5.4	6.5	5.4	3.9	—	—	—	—	
80AFU41.5	2(1.5)	3"(80)		241	186	117	36	—	—	—	—		7.8	7.3	6.8	6.3	5.2	3.9	—	—	
80AFU42.2	3(2.2)	3"(80)		—	258	205	143	74	—	—	—		—	10.1	9.6	9.0	8.5	7.3	5.9	4.4	—
80AFU43.7	5(3.7)	3"(80)		—	—	324	275	223	165	99	21		—	13.6	13.1	12.6	12.1	10.8	9.5	7.9	6.3

SPECIFICATIONS

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80AFP21.5 · 80AFP22.2 · 80AFP23.7A

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	2P(3600rpm) · Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Semi-open
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		—



80AFP21.5 · 80AFP22.2



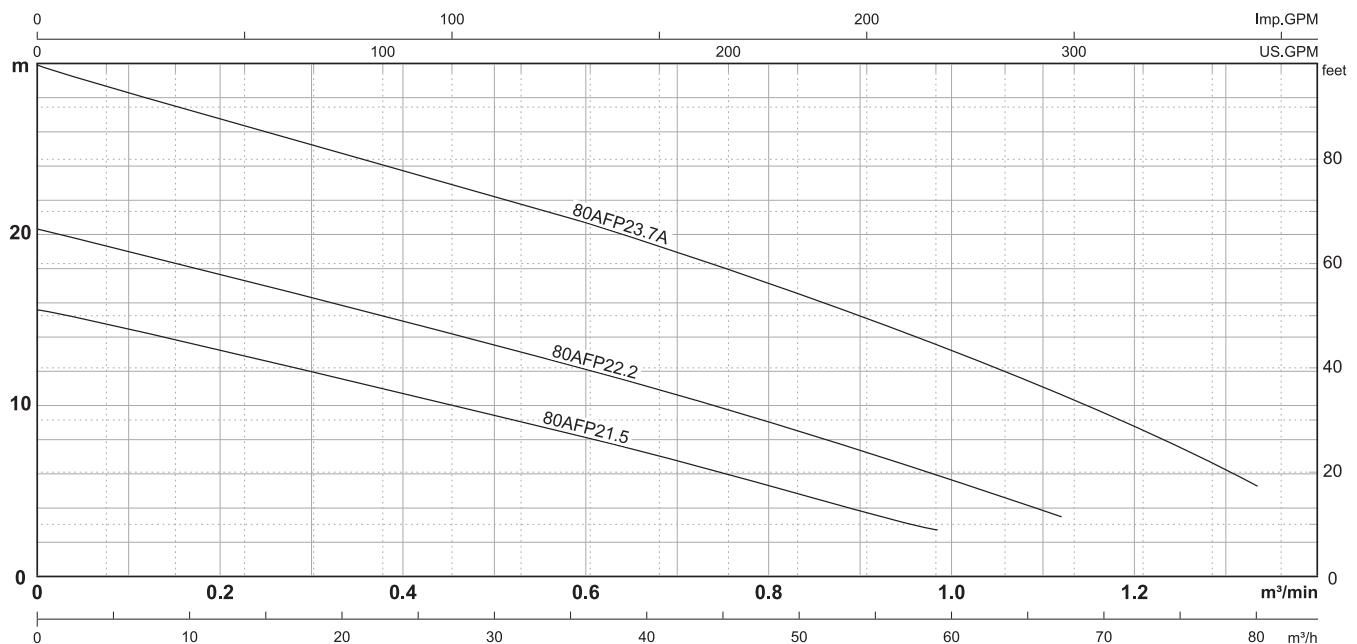
80AFP23.7A



P Type Semi-open Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
80AFP21.5	2(1.5)	3"(80)	8-0.6	26-160	15.5-1.0	51-265	35(1 ³ / ₈ ")	37(82)	33(73)	Full load Ampere	—	10.0	6.0	6.0	3.4	3.0	2.4
80AFP22.2	3(2.2)	3"(80)	12-0.6	40-160	20-1.1	68-290	35(1 ³ / ₈ ")	40(88)	35(77)		—	14.6	8.6	8.4	4.8	4.2	3.4
80AFP23.7A	5(3.7)	3"(80)	20.5-0.6	68-160	30-1.35	100-360	32(1 ¹ / ₄ ")	—	48(106)		—	—	13.8	13.6	7.8	6.8	5.4

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	70'	80'	Q:m³/min	0.1	0.2	0.3	0.4	0.6	0.8	1	1.2
				253	198	138	75	9	—	—	—		6	12	18	24	36	48	60	72
80AFP21.5	2(1.5)	3"(80)	Q:US.GPM	—	258	210	157	100	40	—	—	H:m	14.5	13.2	12	10.7	8.2	5.3	—	—
80AFP22.2	3(2.2)	3"(80)		—	345	313	278	238	195	147	94		19	17.7	16.4	15	12.1	9	5.6	—
80AFP23.7A	5(3.7)	3"(80)		—	—	—	—	—	—	—	—		28.3	26.8	25.2	23.8	20.7	17.2	13.2	8.8

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80(100)AFP25.5 · 80(100)AFP27.5 · 80(100)AFP211

SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp. 0~40°C(32~104°F)
	Applications Wastewater · Sewage
Type	Frequency 60Hz
	Motor 2P(3600rpm) · Dry Motor
	Insulation Class F
	Protection IP68
	Protector Auto-cut
	Bearing Ball type
	M.seal Double M.seals
	Impeller Semi-open
Material	Upper Cover FC200
	Motor Frame FC200
	Shaft End SUS403(7.5~10HP) · SUS420J2(15HP)
	M.seal CA/CE & SiC/SiC
	Casing FC200
	Impeller FC200
	Cable VCT or H07RN-F or SOW
Optional	—



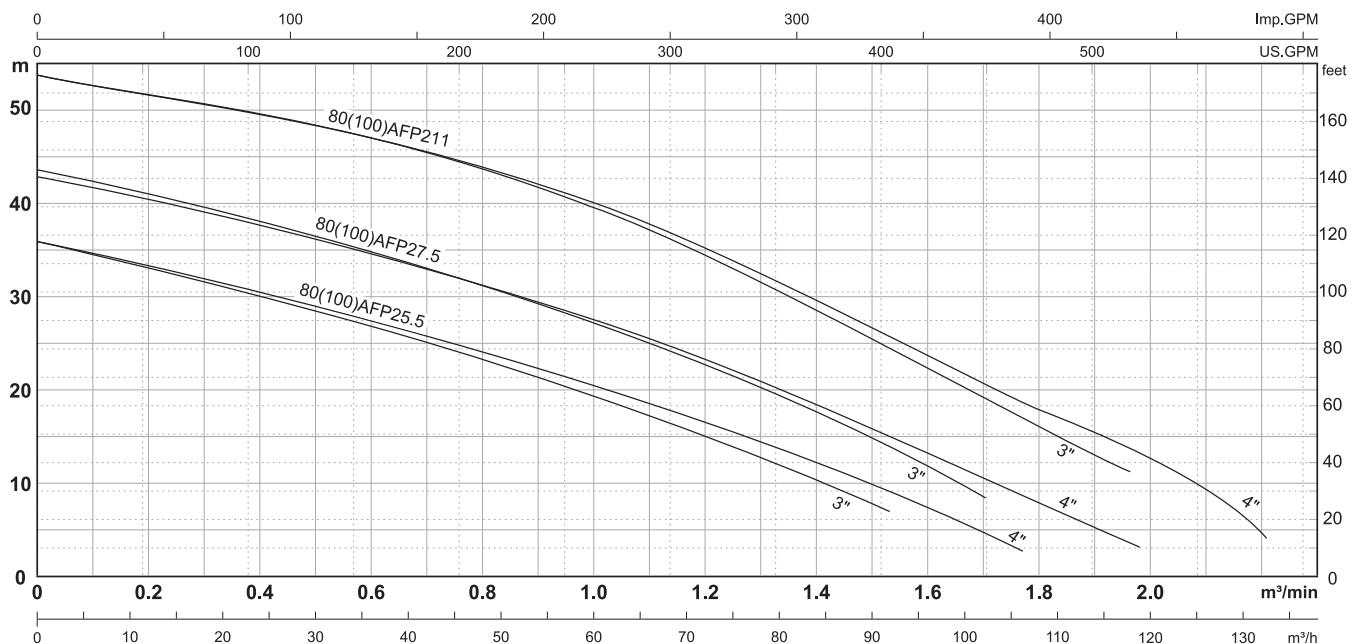
P Type Semi-open Impeller



80(100)AFP25.5
80(100)AFP27.5
80(100)AFP211

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		110V	220V	220V	230V	380V	460V	575V
80(100) AFP25.5	7.5(5.5)	3"(80)	26.5-0.6	87-160	36-1.55	118-410	30(1⅞")	—	74(163)	Full load Ampere	—	—	19.8	19.0	11.5	9.5	7.9
		4"(100)	20-1.0	66-265	36-1.8	118-475	30(1⅞")	—	74(163)		—	—	19.8	19.0	11.5	9.5	7.9
80(100) AFP27.5	10(7.5)	3"(80)	34.5-0.6	114-160	43-1.7	142-450	30(1⅞")	—	80(176)		—	—	25.8	24.6	15.0	12.3	10.1
		4"(100)	27-1.0	89-265	43-2.0	142-530	30(1⅞")	—	80(176)		—	—	25.8	24.6	15.0	12.3	10.1
80(100) AFP211	15(11)	3"(80)	46-0.6	152-160	54-2.0	178-530	30(1⅞")	—	90(198)		—	—	37.0	35.5	21.8	17.7	14.9
		4"(100)	39.5-1.0	130-265	54-2.25	178-595	30(1⅞")	—	90(198)		—	—	37.0	35.5	21.8	17.7	14.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	20'	40'	60'	80'	100'	120'	140'	160'	Q:m³/min	0.2	0.4	0.6	0.8	1	1.4	1.8	2.2
												Q:m³/h	12	24	36	48	60	84	108	132
80(100)AFP25.5	7.5(5.5)	3"(80)	Q:US.GPM	—	349	277	196	98	—	—	—	H:m	33.0	30.0	26.8	23.3	19.4	10.4	—	—
		4"(100)		435	370	294	206	105	—	—	—		33.3	30.4	27.4	24.0	20.4	12.2	—	—
80(100)AFP27.5	10(7.5)	3"(80)		—	419	363	298	222	131	20	—		41.0	38.1	24.8	31.2	27.2	17.7	—	—
		4"(100)		493	432	370	304	222	125	4	—		40.4	37.6	34.6	31.2	27.6	18.4	8.0	—
80(100)AFP211	15(11)	3"(80)		—	508	456	405	352	296	225	124		51.6	49.6	47.0	43.7	39.6	28.6	16.1	—
		4"(100)		574	532	471	416	361	303	227	124		51.6	49.6	47.0	43.9	40.0	29.6	17.9	4.7

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80AFP41.5 · 80AFP42.2 · 80(100)AFP43.7

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater · Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm) · Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Semi-open
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SJOW/SOW
Optional	—	



80AFP41.5



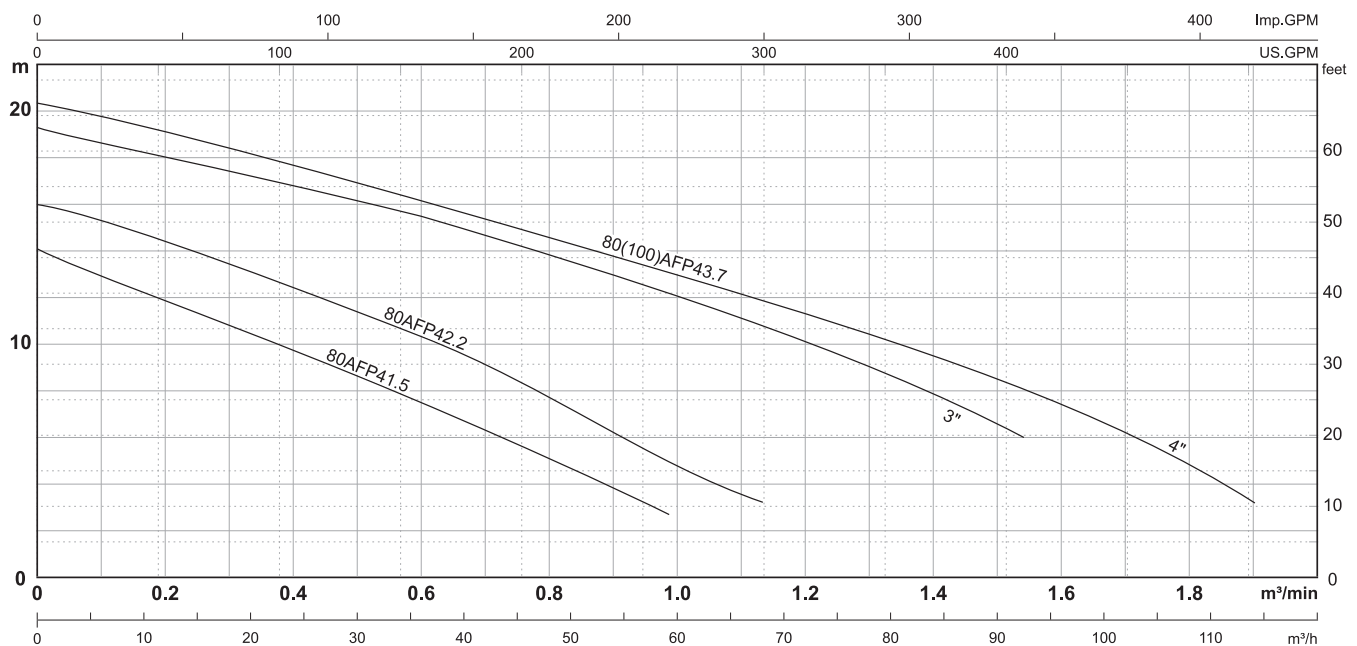
P Type Semi-open Impeller



80AFP42.2 · 80(100)AFP43.7

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		110V	220V	220V	230V	380V	460V	575V
80AFP41.5	2(1.5)	3"(80)	8-0.5	25-132	14-1.05	45-278	50(2")	46(101)	47(104)	Full load Ampere	—	10.2	6.6	6.4	3.6	3.2	2.6
80AFP42.2	3(2.2)	3"(80)	10-0.6	32-158	16-1.2	52-317	50(2")	—	56(123)		—	—	9.0	8.9	5.2	4.5	3.6
80(100)AFP43.7	5(3.7)	3"(80)	15-0.6	50-158	19-1.6	62-423	50(2")	—	66(146)		—	—	14.8	14.6	8.4	7.3	5.9
		4"(100)	12.5-1.0	42-265	20-1.9	66-502	50(2")	—	66(146)		—	—	14.8	14.6	8.4	7.3	5.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	15'	20'	25'	30'	40'	50'	60'	Q:m³/min		0.2	0.4	0.6	0.8	1	1.3	1.6	1.9
				Q:US.GPM								Q:m³/h		12	24	36	48	60	78	96	114
80AFP41.5	2(1.5)	3"(80)	Q:US.GPM	254	223	190	156	120	45	—	—	H:m		11.9	9.8	7.5	5.1	—	—	—	—
80AFP42.2	3(2.2)	3"(80)		—	268	240	213	185	112	29	—			14.4	12.4	10.4	7.7	4.8	—	—	—
80(100)AFP43.7	5(3.7)	3"(80)		—	—	406	375	341	261	167	42			18.0	16.8	15.5	13.8	12.1	9.0	—	—
		4"(100)		—	480	452	418	380	290	190	84			19.1	17.7	16.2	14.6	13.0	10.4	7.4	3.2

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

80(100)AFE42.2 · 80(100)AFE43.7

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm)·Dry Motor
	Insulation	Class B (5HP:Class F)
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS403
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SOW
Optional		—



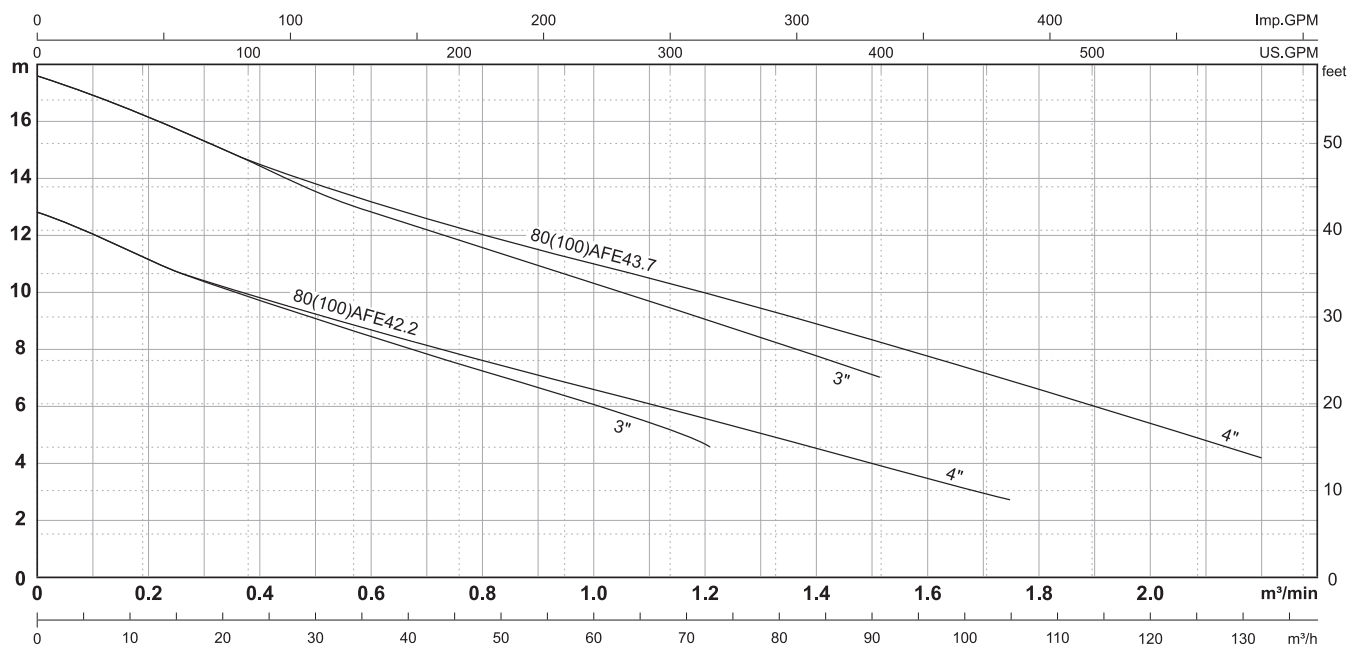
E Type Enclosed-channel Impeller



80(100)AFE42.2 · 80(100)AFE43.7

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)			110V	220V	220V	230V	380V	460V	575V
80(100) AFE42.2	3(2.2)	3"(80)	7-0.8	23-212	13-1.3	43-345	76(3")	—	60(132)	Full load Ampere	—	—	—	9.0	8.9	5.2	4.5	3.6
		4"(100)	6.5-1.0	21-265	13-1.8	43-475	76(3")	—	60(132)		—	—	—	9.0	8.9	5.2	4.5	3.6
80(100) AFE43.7	5(3.7)	3"(80)	11.5-0.8	38-212	17.5-1.6	58-425	76(3")	—	68(150)		—	—	—	14.8	14.6	8.4	7.3	5.9
		4"(100)	10.5-1.0	35-265	17.5-2.3	58-610	76(3")	—	68(150)		—	—	—	14.8	14.6	8.4	7.3	5.9

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet											Q:m³/min							
				10'	15'	20'	25'	30'	35'	40'	50'			0.2	0.4	0.6	0.8	1	1.2	1.6	2
80(100)AFE42.2	3(2.2)	3"(80)	Q:US.GPM	—	318	263	195	130	68	22	—	H:m		11.2	9.7	8.5	7.2	6.1	4.7	—	—
		4"(100)		444	367	290	211	137	68	22	—			11.2	9.8	8.7	7.6	6.6	5.6	3.5	—
80(100)AFE43.7	5(3.7)	3"(80)		—	—	—	376	314	250	185	82			16.2	14.5	12.8	11.6	10.3	9.1	—	—
		4"(100)		—	564	498	429	358	282	204	82			16.2	14.5	13.2	12.0	11.0	10.0	7.8	5.4

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

100(150)AFE45.5 · 100(150)AFE47.5

SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp. 0~40°C(32~104°F)
	Applications Wastewater-Sewage-Industrial Wastewater
Type	Frequency 60Hz
	Motor 4P(1800rpm)-Dry Motor
	Insulation Class F
	Protection IP68
	Protector Auto-cut
	Bearing Ball type
	M.seal Double M.seals
	Impeller Enclosed-channel
Material	Upper Cover FC200
	Motor Frame FC200
	Shaft End SUS420J2
	M.seal CA/CE & SiC/SiC
	Casing FC200
	Impeller FC200
	Cable VCT or H07RN-F or SOW
Optional	—



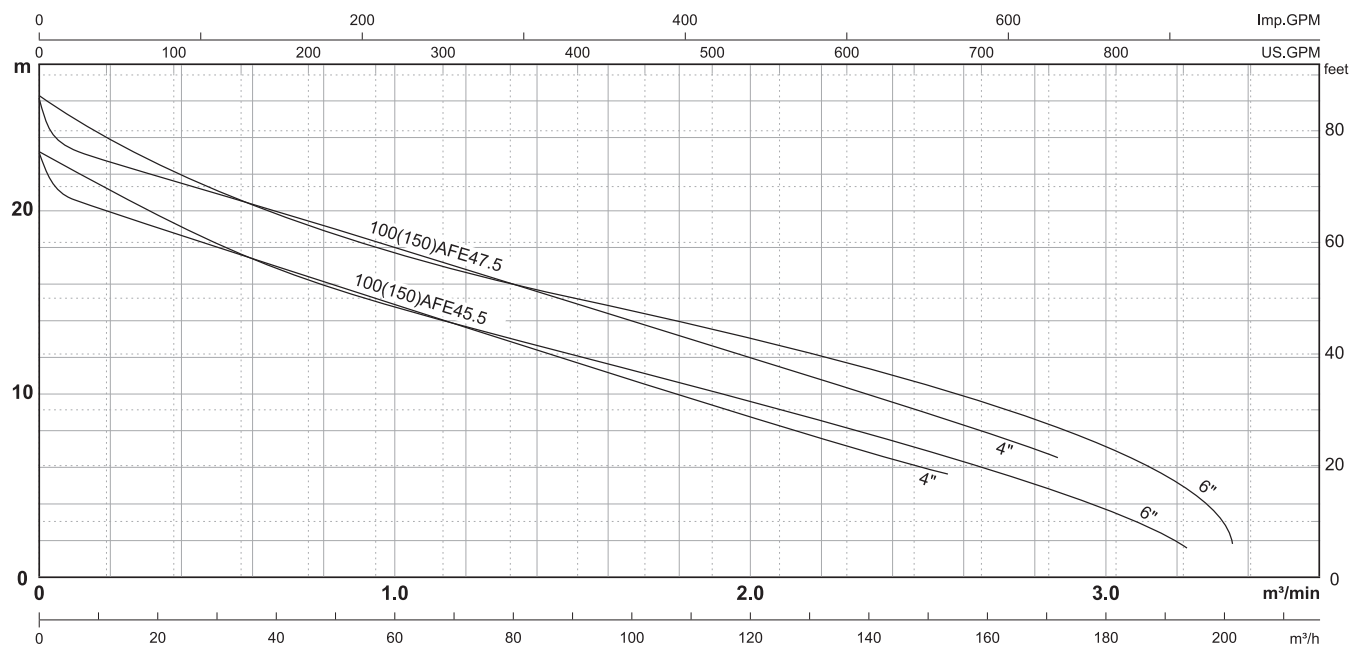
E Type Enclosed-channel Impeller



100(150)AFE45.5 · 100(150)AFE47.5

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
100(150) AFE45.5	7.5(5.5)	4"(100)	14.5-1.0	48-265	23.5-2.6	77-687	76(3")	—	104(229)	Full load Ampere	—	—	21.0	20.2	12.4	10.1	8.4
		6"(150)	12-1.5	40-546	23.5-3.3	77-872	76(3")	—	104(229)		—	—	21.0	20.2	12.4	10.1	8.4
100(150) AFE47.5	10(7.5)	4"(100)	17.5-1.0	58-265	27-2.9	90-766	76(3")	—	113(249)		—	—	27.4	26.4	16.1	13.2	11.0
		6"(150)	15-1.5	50-396	27-3.4	90-898	76(3")	—	113(249)		—	—	27.4	26.4	16.1	13.2	11.0

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	70'	80'	Q:m³/min									
												Q:m³/min	0.4	0.8	1.2	1.6	2	2.4	2.8	3.2	
												Q:m³/h	24	48	360	72	120	144	168	192	
100(150)AFE45.5	7.5(5.5)	4"(100)	Q:US.GPM	—	650	510	377	248	120	12	—	H:m	18.6	16.2	13.6	11.2	8.8	6.4	—	—	
		6"(150)		813	694	550	392	240	128	46	—		19.1	16.0	13.6	11.6	9.6	7.4	5.1	2.0	
100(150)AFE47.5	10(7.5)	4"(100)		—	—	650	518	384	250	112	8		21.5	19.2	16.8	14.4	12.0	9.6	7.0	—	
		6"(150)		879	822	717	574	395	237	124	40		22.0	18.9	16.6	14.8	13.0	11.0	8.6	5.2	

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

AF-55AU · AF-55AE · AF-75E · AF-610

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage·Industrial Wastewater
Type	Frequency	60Hz
	Motor	4P(1800rpm)-Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel (AF-55AU:U Type Semi-open)
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SOW
Optional		—



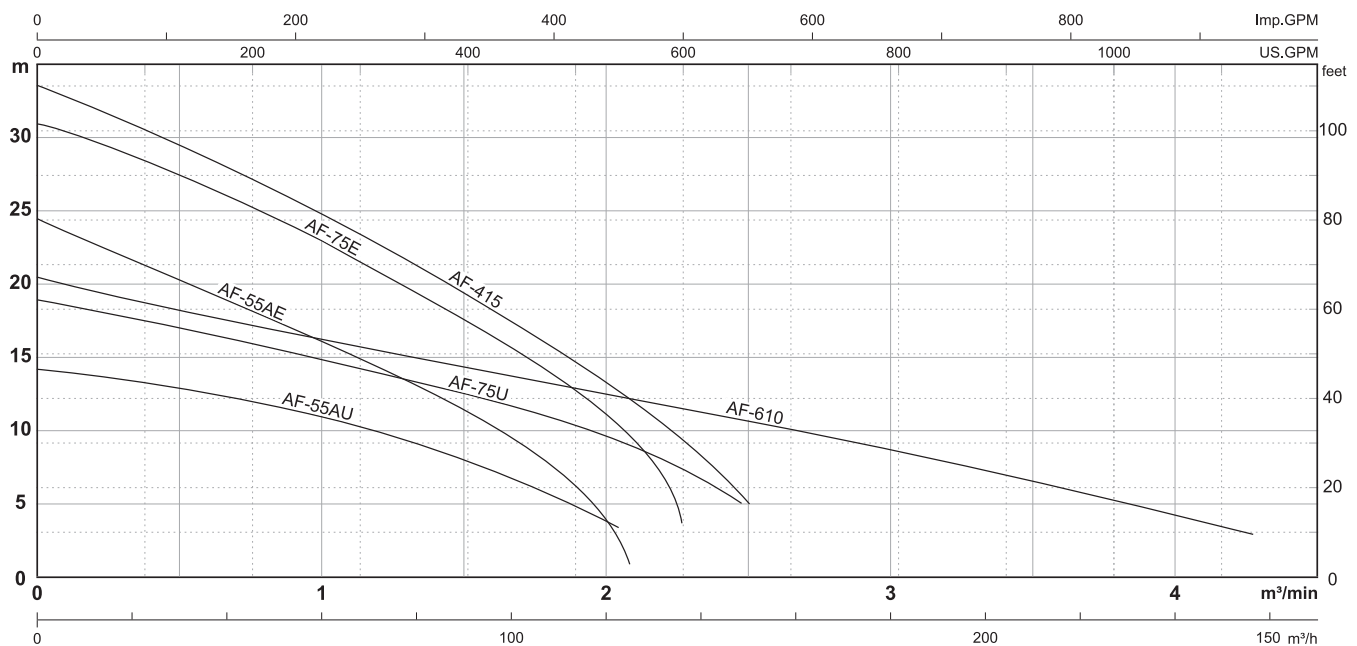
U Type Semi-open Impeller



E Type Enclosed-channel Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)			110V	220V	220V	230V	380V	460V	575V
AF-55AU	7.5(5.5)	4"(100)	11-1.0	36-265	14-2.2	46-580	26(1")	—	114(251)	Full load Ampere	—	—	—	21.4	21.0	12.1	10.5	8.4
AF-55AE	7.5(5.5)	4"(100)	16-1.0	52-265	25-2.2	82-580	40(1½")	—	121(267)		—	—	—	21.4	21.0	12.1	10.5	8.4
AF-75U	10(7.5)	4"(100)	14.5-1.0	48-265	18.5-2.5	62-660	25(1")	—	127(280)		—	—	—	27.2	26.8	15.4	13.4	10.7
AF-75E	10(7.5)	4"(100)	22-1.0	72-265	31-2.3	102-608	40(1½")	—	135(298)		—	—	—	27.2	26.8	15.4	13.4	10.7
AF-415	15(11)	4"(100)	20-1.5	65-396	33.5-2.6	110-690	40(1½")	—	148(326)		—	—	—	31.6	31.0	17.9	15.5	12.4
AF-610	10(7.5)	6"(150)	10-2.5	32-660	20-4.5	65-1190	73(2 7/8")	—	183(403)		—	—	—	27.2	26.8	15.4	13.4	10.7

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	70'	90'	110'	Q:m³/min Q:m³/h		0.5	1	1.5	2	2.5	3	3.5	4.5
														30	60	90	120	150	180	210	270
AF-55AU	7.5(5.5)	4"(100)	Q:US.GPM	—	462	350	184	—	—	—	—	H:m	—	12.9	11.0	8.0	3.8	—	—	—	—
AF-55AE	7.5(5.5)	4"(100)		536	500	448	376	290	98	—	—			20.3	16.1	11.4	4.0	—	—	—	—
AF-75U	10(7.5)	4"(100)		—	632	546	414	241	—	—	—			17.0	14.8	12.6	9.6	—	—	—	—
AF-75E	10(7.5)	4"(100)		—	588	557	510	450	304	132	—			27.4	23.0	17.6	11.2	—	—	—	—
AF-415	15(11)	4"(100)		—	648	604	550	488	350	192	2			29.5	24.8	19.4	13.3	5.0	—	—	—
AF-610	10(7.5)	6"(150)		1121	950	762	550	332	—	—	—			18.2	16.2	14.4	12.5	10.6	8.7	6.6	4.2

AF SERIES

SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

POWER : 15~60HP (11~45kW)

MAX.HEAD : 142feet (43m)

MAX.FLOW : 7930US.GPM (30m³/min)



PRODUCT NOMENCLATURE

Example :

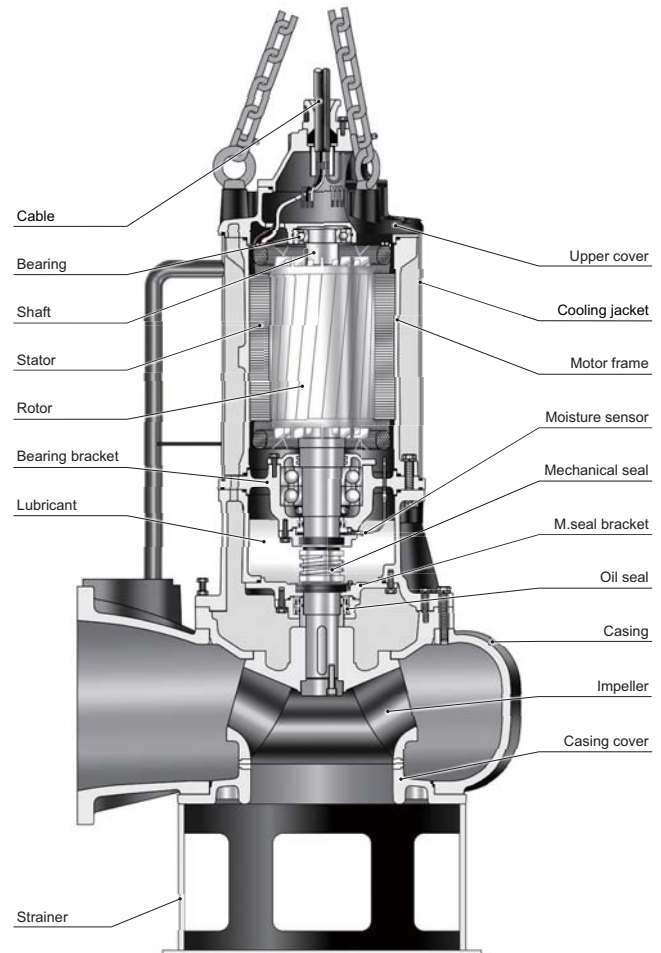
AF	-	16	50
Type		Discharge inch	HP

FEATURE

- International standard design : cable, auto-cut, dry-motor, silicon carbide mechanical seal, high grade cast iron offering highest quality and performance.
- P/U/E multiple impeller designs to handle sewage solids and/or fibrous substances.
- Superior abrasion resistant mechanical seal manufactured with silicon carbide to ensure the best seal effect.
- Oil lip seal mounted outside of seal chamber stops solids gathering around seal faces.
- 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.

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 single and multifamily dwellings.
- Pumping sewage from hotels, restaurants, schools and public buildings.



AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

AF-615 · AF-620 · AF-630

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm)·Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	MTS & MS
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SOW
Optional		—



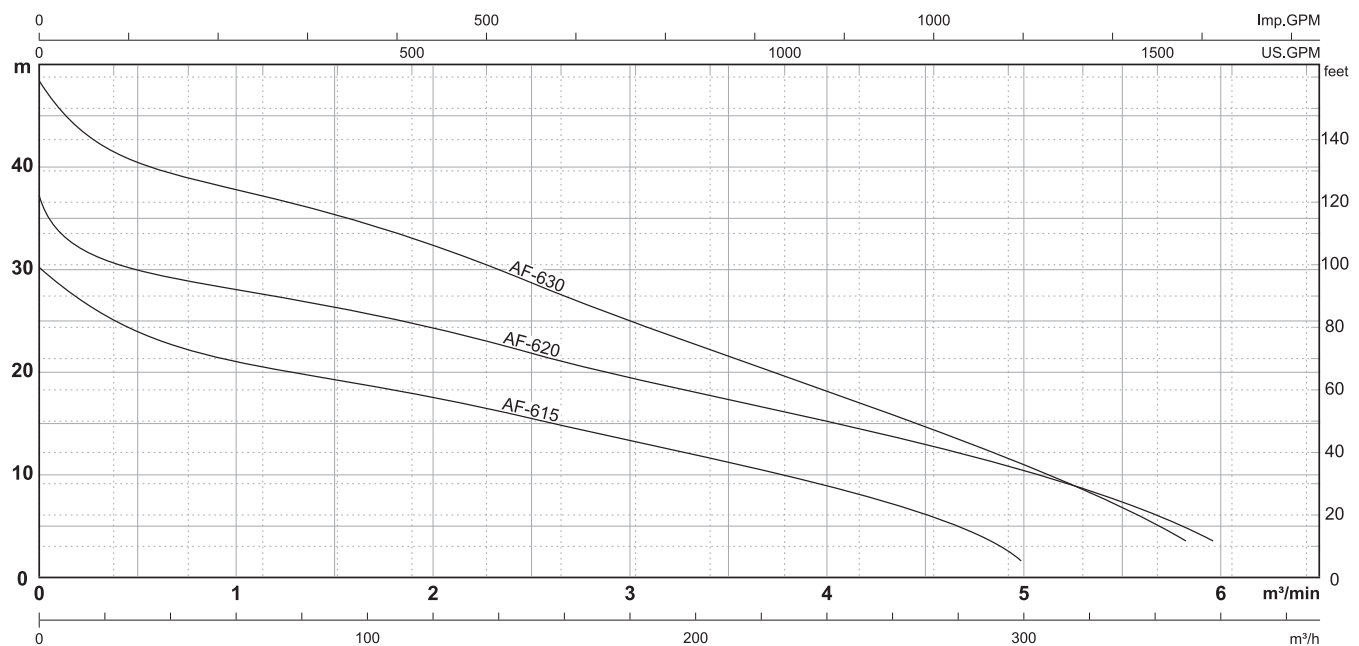
Enclosed-channel Impeller



AF-615 · AF-620

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		110V	220V	220V	230V	380V	460V	575V
AF-615	15(11)	6"(150)	16-2.5	52-660	26-5.6	85-1480	70(2 ³ / ₄ ")	—	217(478)	Full load Ampere	—	—	39.0	38.2	22.2	19.1	15.3
AF-620	20(15)	6"(150)	21-2.5	68-660	31.5-6.0	102-1585	70(2 ³ / ₄ ")	—	228(503)		—	—	49.5	47.3	28.5	23.7	18.9
AF-630	30(22)	6"(150)	29-2.5	95-660	43-6.0	142-1585	76(3")	—	209(461)		—	—	75.2	73.2	42.4	36.6	—

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	20'	40'	60'	80'	100'	120'	140'	Q:m³/min	0.5	1	1.5	2	2.5	3.5	4.5	5.5
											Q:m³/h	30	60	90	120	150	210	270	330
AF-615	15(11)	6"(150)	Q:US.GPM	1192	866	474	120	—	—	—	H:m	24.0	21.0	19.3	17.6	15.5	11.2	6.2	—
AF-620	20(15)	6"(150)		1500	1230	866	525	108	—	—		30.0	28.0	26.4	24.4	21.8	17.4	13.0	7.4
AF-630	30(22)	6"(150)		1474	1280	1052	816	600	334	74		40.5	37.8	35.4	32.4	28.8	21.6	14.8	6.8

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

AF-815 · AF-820 · AF-830

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm)·Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	MTS & MS
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS420J2
	M.seal	CA/CE & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	VCT or H07RN-F or SOW
Optional		—



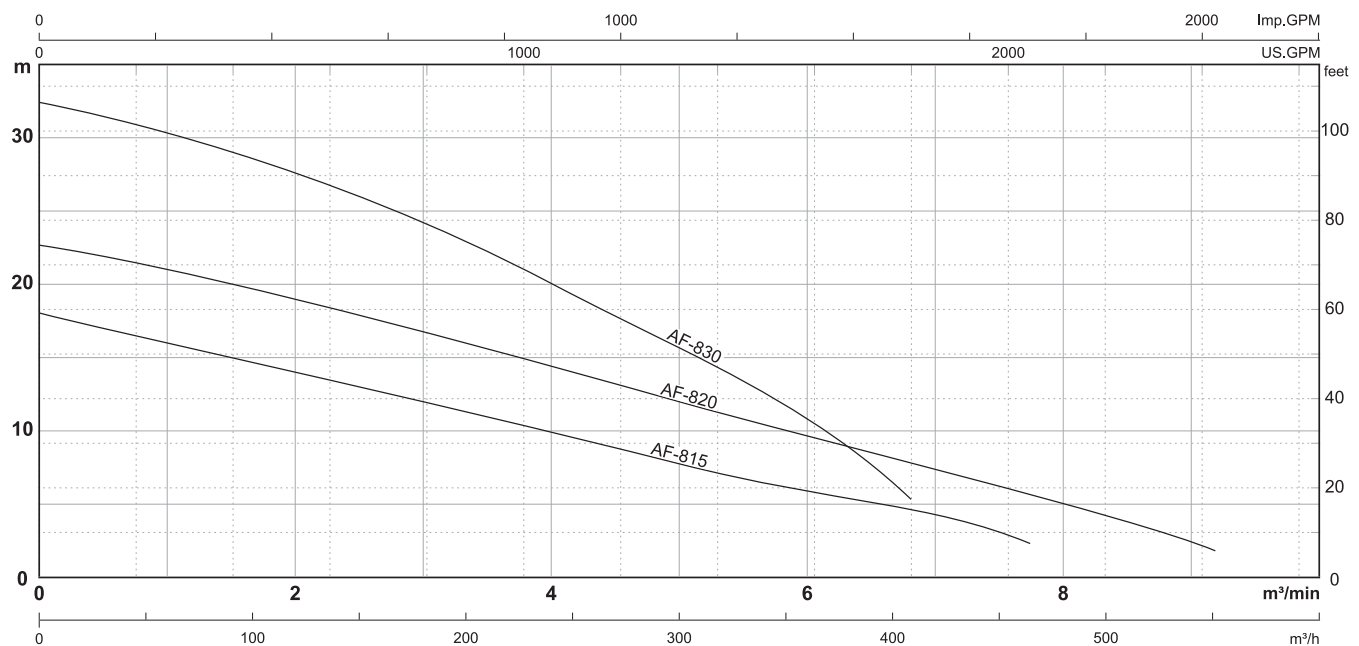
Enclosed-channel Impeller



AF-815 · AF-820

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Voltage						
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		110V	220V	220V	230V	380V	460V	575V
AF-815	15(11)	8"(200)	8.5-4.5	28-1190	17.5-8.0	58-2115	70(2 ³ / ₄ ")	—	219(483)	Full load Ampere	—	—	39.0	38.2	22.2	19.1	15.3
AF-820	20(15)	8"(200)	13-4.5	42-1190	22-9.0	72-2380	70(2 ³ / ₄ ")	—	232(511)		—	—	49.5	47.3	28.5	23.7	18.9
AF-830	30(22)	8"(200)	18-4.5	60-1190	33-7.0	109-1850	76(3")	—	200(441)		—	—	74.0	72.0	41.0	36.0	—

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	20'	30'	40'	50'	60'	80'	100'	Q:m³/min	1	2	3	4	5	6	7	8
												Q:m³/h	60	120	180	240	300	360	420	480
AF-815	15(11)	8"(200)	Q:US.GPM	1984	1548	1150	764	364	—	—	—	H:m	16.0	14.0	12.0	9.9	7.8	5.9	4.3	—
AF-820	20(15)	8"(200)		2320	2000	1642	1298	966	616	—	—		21.0	19.0	16.8	14.4	12.0	9.6	7.4	5.0
AF-830	30(22)	8"(200)		—	1774	1659	1516	1346	1163	782	250		30.4	27.6	24.2	20.1	15.7	10.8	—	—

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

AF-1030S · AF-1040 · AF-1050 · AF-1060

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage
Type	Frequency	60Hz
	Motor	4P(1800rpm)·Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	MTS & MS
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS420J2
	M.seal	SiC/SiC & SiC/SiC
	Casing	FC200
	Impeller	FC200
	Cable	PNCT or H07RN-F
Optional		—



AF-1030S · AF-1040 ·
AF-1050 · AF-1660
(GRS)



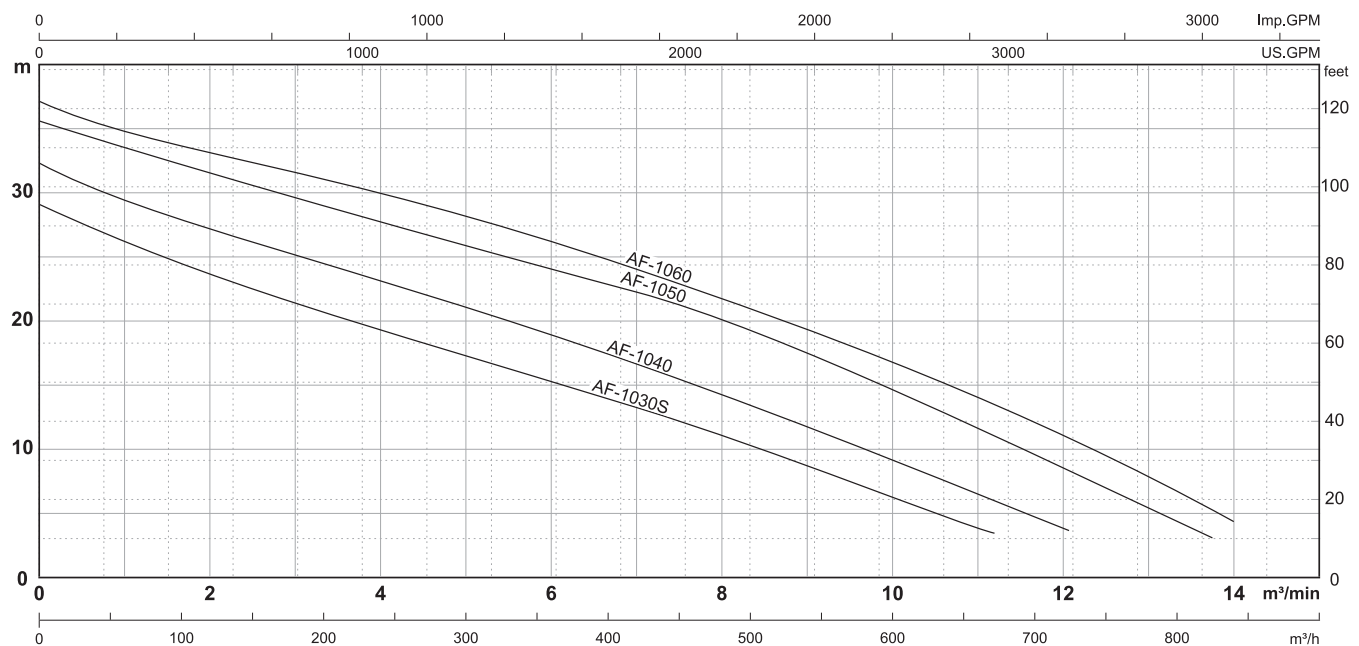
Enclosed-channel Impeller



AF-1030S · AF-1040 ·
AF-1050 · AF-1660
(Standard)

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	220V	230V	380V	460V
AF-1030S	30(22)	10"(250)	13-7.0	43-1850	29-12.0	95-3170	60(2 ³ / ₈ "	—	705(1554)	Full load Ampere	—	—	80.0	78.0	46.0	39.0	31.2
AF-1040	40(30)	10"(250)	16-7.0	53-1850	32-12.5	106-3300	60(2 ³ / ₈ "	—	676(1490)		—	—	104.0	102.0	60.0	51.0	40.8
AF-1050	50(37)	10"(250)	22-7.0	73-1850	38-14.0	125-3700	60(2 ³ / ₈ "	—	686(1512)		—	—	128.0	126.0	74.0	63.0	50.4
AF-1060	60(45)	10"(250)	24-7.0	80-1850	41-14.0	135-3700	60(2 ³ / ₈ "	—	691(1523)		—	—	152.0	149.0	87.8	74.5	59.6

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	20'	30'	40'	50'	60'	80'	100'	120'	Q:m³/min	2	4	6	8	10	12	14
				20'	30'	40'	50'	60'	80'	100'	120'	Q:m³/h	120	240	360	480	600	720	840
AF-1030S	30(22)	10"(250)	Q:US.GPM	2660	2340	1990	1590	1190	450	—	—	H:m	23.7	19.3	15.3	11.1	6.3	—	—
AF-1040	40(30)	10"(250)		2950	2640	2330	2010	1660	900	160	—		27.2	23.2	19.0	14.3	9.2	3.8	—
AF-1050	50(37)	10"(250)		3380	3120	2860	2590	2300	1540	680	—		31.6	28.8	24.1	20.2	14.7	8.6	—
AF-1060	60(45)	10"(250)		3570	3330	3080	2800	2490	1810	980	60		33.2	30.0	26.2	21.8	16.8	11.1	4.4

AF SERIES SEWAGE / WASTEWATER SUBMERSIBLE PUMPS

AF-1430 · AF-1440 · AF-1650 · AF-1660

SPECIFICATIONS

Item	Description	
Limits of Use	Liquid Temp.	0~40°C(32~104°F)
	Applications	Wastewater·Sewage
Type	Frequency	60Hz
	Motor	6P(1200rpm)·Dry Motor AF-1430 : 8P(900rpm)
	Insulation	Class F
	Protection	IP68
	Protector	MTS & MS
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Enclosed-channel
Material	Upper Cover	FC200
	Motor Frame	FC200
	Shaft End	SUS420J2
	M.seal	SiC/SiC & SiC/SiC
	Casing	FC200
	Impeller	FC200
Cable		PNCT or H07RN-F
Optional		—



AF-1430 · AF-1440 ·
AF-1650 · AF-1660 ·
(GRS)



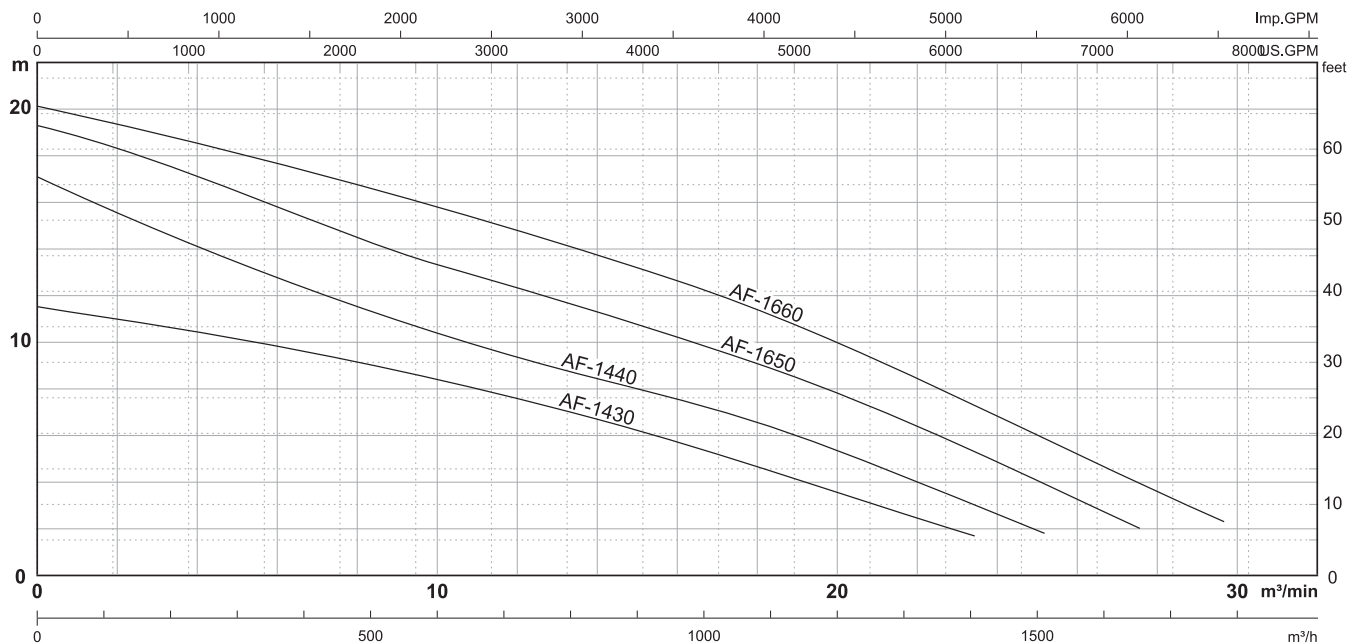
AF-1430 · AF-1440 ·
AF-1650 · AF-1660 ·
(Standard)



Enclosed-channel Impeller

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
			m-m³/min	ft-GPM	m-m³/min	ft-GPM		1Ø-kg(lb)	3Ø-kg(lb)		Voltage	110V	220V	230V	380V	460V	575V
AF-1430	30(22)	14"(350)	6.5-14.0	21-3700	11.5-24	38-6340	120(4¾")	—	833(1836)	Full load Ampere	—	—	88.5	87.0	51.1	43.5	34.8
AF-1440	40(30)	14"(350)	8.5-14.0	28-3700	16.5-26.0	54-6870	120(4¾")	—	828(1825)		—	—	112.0	110.6	64.7	55.3	44.2
AF-1650	50(37)	16"(400)	7.5-18.0	25-4760	17.5-27	57-7140	120(4¾")	—	965(2127)		—	—	132.0	130.4	76.2	65.2	52.2
AF-1660	60(45)	16"(400)	10-18.0	33-4760	20-30.0	66-7930	120(4¾")	—	970(2138)		—	—	164.0	162.0	94.7	81.0	64.8

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	H:feet	10'	15'	20'	25'	30'	40'	50'	60'	Q:m³/min	4	8	12	16	20	24	28
												Q:m³/h	240	480	720	960	1200	1440	1680
AF-1430	30(22)	14"(350)	Q:US.GPM	5530	4800	4030	3150	2120	—	—	—	H:m	10.5	9.2	7.6	5.7	3.6	—	—
AF-1440	40(30)	14"(350)		6180	5600	4970	4200	3300	1830	640	—		14.1	11.6	9.4	7.6	5.4	2.6	—
AF-1650	50(37)	16"(400)		6940	6440	5920	5360	4730	3250	1820	540		17.1	14.5	12.4	10.2	7.8	4.9	—
AF-1660	60(45)	16"(400)		7590	7080	6580	6080	5580	4430	2940	1220		18.6	16.8	14.8	12.6	10.0	6.8	3.6