

AF SERIES SUBMERSIBLE SEWAGE / WASTEWATER PUMPS

AF-830 · AF-840 · AF-850 · AF-860

SPECIFICATIONS

Item	Description
Limits of Use	Liquid Temp. 0-40°C(32-104°F) Applications Wastewater - Sewage
Type	Frequency 50Hz
	Motor 4P(1500rpm) - Dry Motor
	Insulation Class F
	Protection IP68
	Protector MTS & MS
	Bearing Ball type
	M.seal Double M.seals
Impeller Open	
Material	Upper Cover FC150(30HP) · FC200(40-80HP)
	Motor Frame FC150(30HP) · FC200(40-80HP)
	Shaft SUS403(30HP) · SUS420J2(40-80HP)
	M.seal CA/CE & SIC/SIC
	Casing FC200
	Impeller FC200
	Cable PNCT or H07RN-F
Optional -	



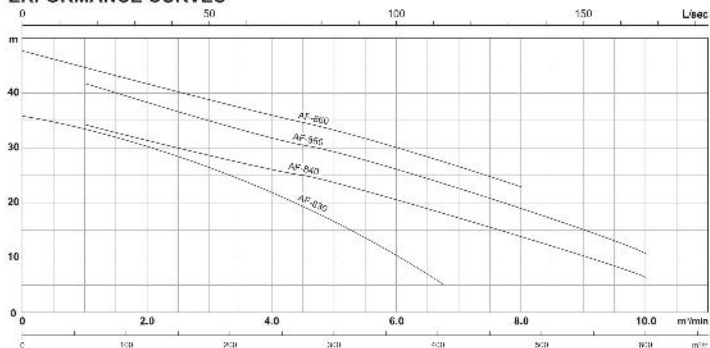
Open Impeller



AF-840 · AF-850 · AF-860

Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable)		Phase	Full load Amperes							
			m ³ /min	m ³ /h	m ³ /min	m ³ /h		1Ø-kj(lbs)	3Ø-kj(lbs)		220V	230V	230V	3ØV	3Ø	3Ø	3Ø	3Ø
AF-830	30(22)	8"(200)	19-4.5	16-270	34.5-7.0	34.5-420	79(3")	-	220(46.5)	-	-	-	-	-	43.0	42.0	40.0	-
AF-840	40(30)	8"(200)	21-4.5	24-270	-	-	79(2 3/4")	-	355(76.3)	-	-	-	-	-	56.0	58.0	58.5	-
AF-850	50(37)	8"(200)	29-4.5	26-270	-	-	80(2 3/8")	-	418(92.2)	-	-	-	-	-	72.5	72.5	73.5	-
AF-860	80(45)	8"(200)	34-4.5	34-270	-	-	80(2 3/8")	-	458(100.5)	-	-	-	-	-	86.0	87.5	89.5	-

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q:m ³ /min	H:m								Q:L/sec	H:m							
				1	2	3	4	5	6	8	10		20	40	60	80	100	120	140	160
AF-830	30(22)	8"(200)	60	33.4	39.2	28.8	21.9	18.6	19.4	-	-	33.0	29.8	23.8	17.8	19.4	-	-		
AF-840	40(30)	8"(200)	120	34.4	31.4	29.8	21.2	23.8	23.8	14.0	6.4	33.7	30.2	27.0	24.3	20.8	16.6	12.5	8.1	
AF-850	50(37)	8"(200)	180	41.6	38.2	34.8	31.6	29.2	26.0	18.8	10.6	41.2	37.0	33.0	29.6	26.2	22.0	17.4	12.7	
AF-860	80(45)	8"(200)	240	44.8	41.8	39.8	36.0	33.2	30.0	23.0	-	44.1	40.8	37.2	33.6	30.0	26.0	-	-	