

# AF SERIES SUBMERSIBLE SEWAGE / WASTEWATER PUMPS 100(150)AFE411 · 100(150)AFE415

## 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 H
	Protection IP68
	Protector MTS & MS
	Bearing Ball type
	M.seal Double M.seals
Material	Impeller Channel
	Upper Cover FC200
	Motor Frame FC200
	Shaft SUS420J2
	M.seal CA/CE & SIC/SIC
	Casing FC200
	Impeller FC200
Cable VCT or H07RN-F or SOW	
Optional -	



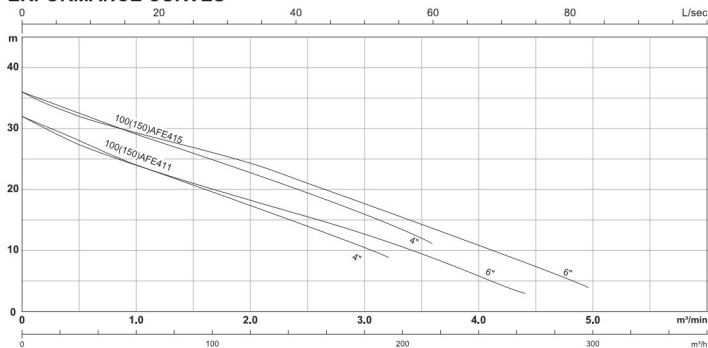
E Type Channel Impeller



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Model	Power HP(kW)	Discharge inch(mm)	Standard		MAX		Solid Passage mm(inch)	Weight(W/O Cable) 1Ø-kg(lb) 3Ø-kg(lb)	Phase Voltage	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø	
			m <sup>3</sup> /min	m <sup>3</sup> /h	m <sup>3</sup> /min	m <sup>3</sup> /h				220V	230V	230V	380V	400V	415V	525V	
100(150) AFE411	15(11)	4(100)	24-1.0	24-60	32-3.3	32-198	76(3")	-	164(362)	Full load Ampere	-	-	41.8	23.4	23.0	23.0	18.4
		6(150)	15.5-2.5	15.5-150	32-4.5	32-270	76(3")	-	164(362)		-	-	41.8	23.4	23.0	23.0	18.4
100(150) AFE415	20(15)	4(100)	29-1.0	29-60	36-3.6	36-216	76(3")	-	176(388)		-	-	55.2	31.0	30.4	30.4	24.3
		6(150)	21-2.5	21-150	36-5.2	36-312	76(3")	-	176(388)		-	-	55.2	31.0	30.4	30.4	24.3

## PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q: m <sup>3</sup> /min Q: m <sup>3</sup> /h	H·m								Q: l/s	H·m							
				0.5	1	1.5	2	2.5	3	3.5	4.5		10	20	30	40	50	60	70	80
100(150) AFE411	15(11)	4(100)	28.0	24.0	20.8	17.4	14.0	10.6	-	-	H·m	27.2	22.8	18.8	14.7	10.6	-	-	-	
		6(150)	27.4	24.0	21.0	18.2	15.6	12.7	9.4	-		26.6	22.8	19.4	16.0	12.7	8.8	4.4	-	
100(150) AFE415	20(15)	4(100)	32.6	29.4	26.0	22.9	19.5	16.0	12.0	-		31.8	27.8	24.0	20.0	16.0	-	-	-	
		6(150)	32.0	29.0	27.0	24.5	21.0	17.8	14.3	7.4		31.5	28.5	25.4	21.9	17.8	13.6	9.5	5.2	