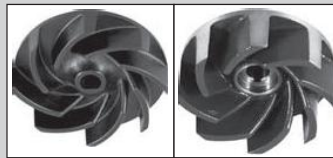


F SERIES SUBMERSIBLE SEWAGE / EFFLUENT PUMPS

F-05A · F-05U · F-21U · F-31U

SPECIFICATIONS

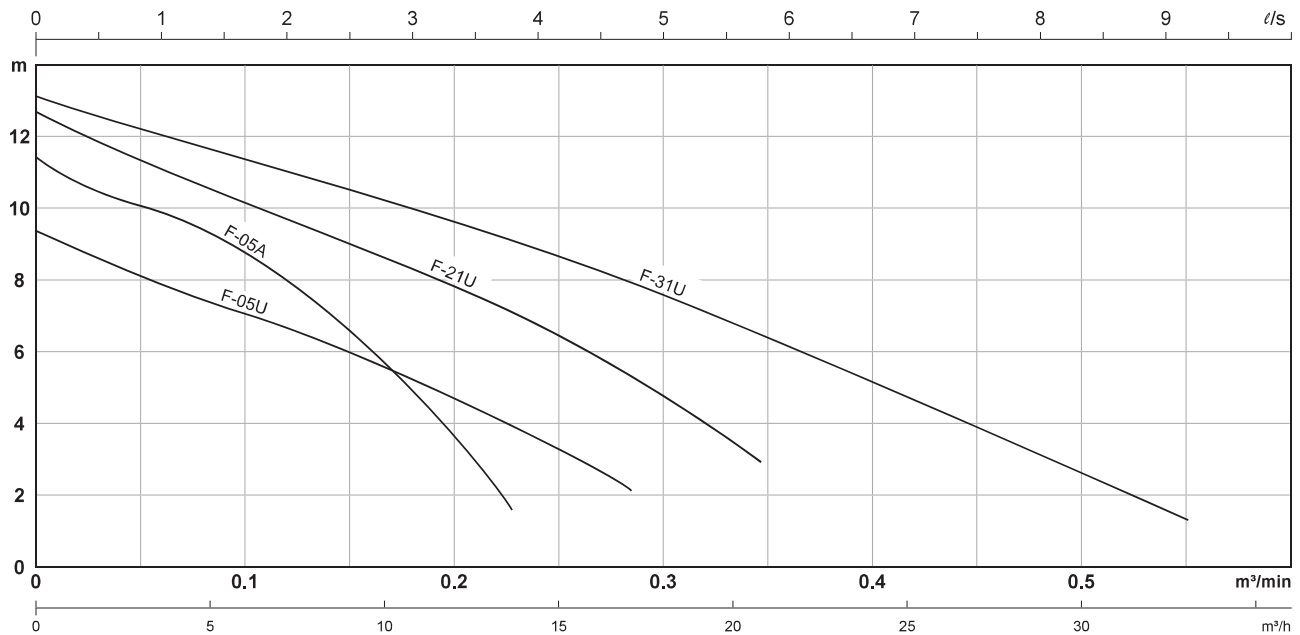
Item	Description
Limits of Use	Liquid Temp. 0~40°C(32~104°F)
	Applications General wastewater · Sewage and Industrial water
Type	Frequency 50Hz
	Motor 2P(3000rpm) · Dry Motor (F-05A:Oil Motor)
	Insulation Class B
	Protection IP68
	Protector Auto-cut (F-05A/U 1Ø:Thermal)
	Bearing Ball type
	M.seal Double M.seals (F-05A:Single M.seals)
	Impeller Semi-open
Material	Upper Cover FC200
	Motor Frame SUS304
	Shaft SUS410
	M.seal CA/CE & SiC/SiC (F-05A:CA/CE)
	Casing FC200
	Impeller FC200 (F-05A:PA)
	Cable VCT or H07RN-F or SJOW/SOW
Optional -	



U 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	m-m³/h	m-m³/min	m-m³/h		1Ø-kg(lb)	3Ø-kg(lb)								
F-05A	0.5(0.4)	2"(50)	8-0.1	8-6	11.5-0.24	11.5-14.4	10(3/8")	12(26)	-	Full load Ampere	3.1	3.0	-	-	-	-	-
F-05U	0.5(0.4)	2"(50)	6-0.15	6-9	9.5-0.32	9.5-19.2	35(1 3/8")	16(35)	15(33)		3.4	3.3	2.3	1.4	1.3	1.3	1.1
F-21U	1(0.75)	2"(50)	8-0.2	8-12	12.5-0.4	12.5-24	35(1 3/8")	17(37)	16(35)		5.4	5.2	3.3	2.0	1.9	1.8	1.4
F-31U	1(0.75)	3"(80)	6.5-0.3	6.5-18	12-0.6	12-36	30(1 1/8")	18(40)	17(37)		5.4	5.2	3.3	2.0	1.9	1.8	1.4

PERFORMANCE CURVES



Model	Power HP(kW)	Discharge inch(mm)	Q: m³/min										Q: ℓ/s													
			0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.5	1	2	3	4	5	6	7	8								
F-05A	0.5(0.4)	2"(50)	10.0	8.8	6.6	3.6	-	-	-	-	-	-	-	-	-	-	-	-	9.8	8.0	4.9	-	-	-	-	-
F-05U	0.5(0.4)	2"(50)	8.1	7.0	6.0	4.7	3.3	-	-	-	-	-	-	-	-	-	-	-	7.8	6.7	5.2	3.6	-	-	-	-
F-21U	1(0.75)	2"(50)	11.3	10.2	9.0	7.8	6.5	4.8	-	-	-	-	-	-	-	-	-	-	11.0	9.7	8.3	6.7	4.8	-	-	-
F-31U	1(0.75)	3"(80)	12.2	11.3	10.5	9.6	8.6	7.5	5.2	2.6	-	-	-	-	-	-	-	-	12.0	11.0	10.0	8.8	7.5	6.1	4.6	3.1