

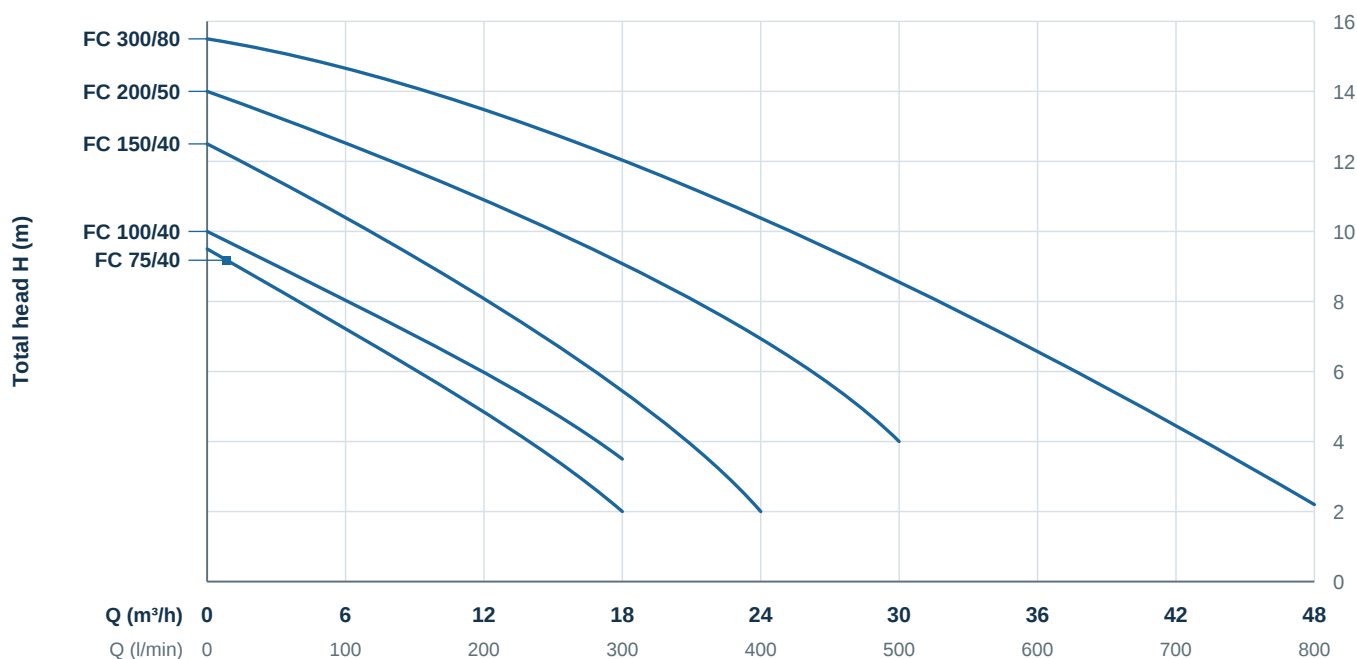
RANGE CHARACTERISTICS

Power	0.55–2.2 kW
Flow up to	48 m ³ /h
Head up to	15.5 m
Speed	$n \approx 2850$ /min
Solids passage	Ø 38–50 mm

PRODUCT NOMENCLATURE

FC Light sewage
200 Motor power (200 = 2 HP)
M / T M = single-phase · T = three-phase

Example: FC 200/50 M (single-phase)



PERFORMANCE DATA

MODEL		P ₂		Q	m³/h	0	6	12	18	24	30	36	42	48
3~ 380–415 V	1~ 220–240 V	kW	HP		l/min	0	100	200	300	400	500	600	700	800
FC 75/40T	FC 75/40M	0.55	0.75			9.5	7	5	2	–	–	–	–	–
FC 100/40T	FC 100/40M	0.75	1			10	8	6	3.5	–	–	–	–	–
FC 150/40T	FC 150/40M	1.1	1.5	H (m)		12.5	10.5	8	5.5	2	–	–	–	–
FC 200/50T	FC 200/50M	1.5	2			14	12.5	11	9	7	4	–	–	–
FC 300/80T	FC 300/80M	2.2	3			15.5	14.5	13.5	12	10.5	8.5	6.5	4.5	2.2

USES

FC series submersible electric pumps are widely used in domestic, workshop and industrial systems for handling clean or slightly dirty water and other liquids. They are also suitable for pumping aggressive liquids. Using the pump with combustible liquids is strictly prohibited. Never position or lift the pump by its power cable.

Maximum liquid temperature: 50 °C (continuous duty).

Minimum pumping level: 10 cm above the pump body.

Maximum liquid density: 1.100 kg/dm³.

The pumps can handle liquids containing solids up to the diameter that passes through the impeller (see technical data).

CONSTRUCTION

The components are carefully selected for maximum reliability and long service life, even in the most demanding applications. The pumps are made entirely of AISI 304 stainless steel, with a stainless steel motor shaft and oil-resistant nitrile rubber gaskets. The high-quality bearings need regreasing only after a long period of operation. Mechanical seal in silicon carbide/alumina. The upper seal is a lip seal (oil seal).

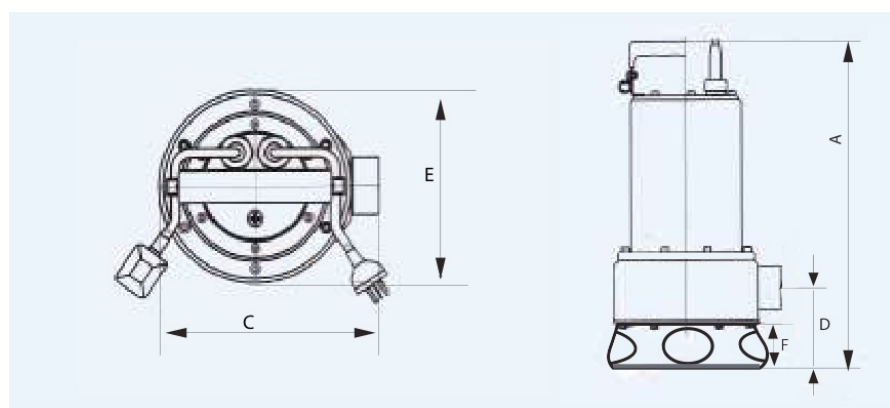
ELECTRIC MOTOR

Two-pole single-phase or three-phase electric motor with die-cast aluminium rotor, running in a bath of dielectric, anti-oxidant oil. Power range: 0.55 kW to 2.2 kW. Voltage: single-phase 220–240 V, 50 Hz; three-phase 380–415 V, 50 Hz. The motors deliver full rated power with variations of $\pm 5\%$ in rated frequency or voltage. They are fully watertight, with insulation class F and IP68 protection. Single-phase motors are fitted with safety micro-thermostats to prevent motor damage if the impeller is blocked. The motor is cooled by the liquid in which the pump is immersed. Supplied as standard with 10 m of H 07 RN-F cable and a Schuko plug; three-phase versions are supplied with free cable ends. Motor protection for three-phase pumps must be provided by the user.

ELECTRICAL DATA AND DIMENSIONS

MODEL	RATED CURRENT (A)		CAPACITOR μF	CABLE			DIMENSIONS (mm)					SOLIDS $\varnothing$ mm	PACKING (mm)		
	1~ 230 V	3~ 400 V		1~ mm ²	3~ mm ²	m	A	C	D	E	F		L	H	P
FC 75/40 M-T	3.6	1.3	16	3x1	4x1	10	397	204	105	190	68	$\varnothing 38$	180	390	240
FC 100/40 M-T	4.7	1.7	25	3x1	4x1	10	421	204	105	190	68	$\varnothing 38$	180	420	240
FC 150/40 M-T	6.0	2.5	30	3x1	4x1	10	421	204	105	190	68	$\varnothing 38$	180	420	240
FC 200/50 M-T	7.2	3.2	30	3x1	4x1	10	486	206	127	200	80	$\varnothing 50$	200	480	240
FC 300/80 M-T	8.0	4.7	30	3x1	4x1.5	10	486	226	134	200	80	$\varnothing 50$	200	480	240

DIMENSIONS (MM)



Impeller: closed single-channel

Table values are averages for production models. The company reserves the right to make changes of any kind without prior notice.