



FC-FCT series - Cast iron in-line
centrifugal pumps, single and
twin versions



IN-LINE CENTRIFUGAL PUMPS FC Series (single version) and FCT (twin version)

APPLICATIONS

- Water circulation in heating and air conditioning systems.
- Handling of water and clean, chemically non-aggressive liquids.
- Water supply.
- Irrigation.





Applications COMMERCIAL - INDUSTRIAL

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Single
Version
FCE Series



2 POLES MODELS

SIZE	kW	VERSION		
		FCEM FCTEM	FCE FCTE	FCS FCTS
40-125/07	0,75	•	•	•
40-125/11	1,1	•	•	•
40-160/15	1,5	•	•	•
40-160/22	2,2	•	•	•
40-200/30	3	-	-	•
40-200/40A	4	-	•	-
40-200/40	4	-	•	•
40-200/55	5,5	-	•	•
40-250/75	7,5	-	•	•
40-250/110	11	-	•	•
50-125/11	1,1	•	•	•
50-125/15	1,5	•	•	•
50-160/22	2,2	•	•	•
50-160/30	3	-	•	•
50-160/40	4	-	•	•
50-200/55	5,5	-	•	•
50-200/75	7,5	-	•	•
50-250/92	9,2	-	•	-
50-250/110A	11	-	-	•
50-250/110	11	-	•	•
50-250/150	15	-	•	•
65-125/22	2,2	•	•	•
65-125/30	3	-	•	•
65-125/40	4	-	•	•
65-160/55	5,5	-	•	•
65-160/75	7,5	-	•	•
65-200/92	9,2	-	•	-
65-200/110A	11	-	-	•
65-200/110	11	-	•	•
65-250/150	15	-	•	•
65-250/185	18,5	-	•	•
65-250/220	22	-	•	•
80-125/30	3	-	•	•
80-125/40	4	-	•	•
80-125/55	5,5	-	•	•
80-160/75	7,5	-	•	•
80-200/110	11	-	•	•
80-200/150	15	-	•	•
80-200/185	18,5	-	•	•
80-200/220	22	-	•	•
100-160/110	11	-	•	•
100-200/185	18,5	-	•	•
100-200/220	22	-	•	•

• = Available

fc_fce-fcs_2p50_b_tem

Example: 50-250/110A

50 = Delivery port nominal diameter (mm)
 250 = Impeller nominal diameter (mm)
 110 = Rated motor power (kW x 10)
 A = Reduced impeller

Twin
Version
FCTS Series



4 POLES MODELS

SIZE	kW	VERSION		
		FCE4 FCTE4	FCS4	FCTS4
40-125/02A	0,25	•	-	-
40-125/02	0,25	•	-	-
40-160/02	0,25	•	-	-
40-160/03	0,37	•	-	-
40-200/05	0,55	•	•	•
40-200/07	0,75	•	•	•
40-250/11	1,1	•	•	•
40-250/15	1,5	•	•	•
50-125/02	0,25	•	-	-
50-125/03	0,37	•	-	-
50-160/05	0,55	•	-	-
50-200/07	0,75	•	•	•
50-200/11	1,1	•	•	•
50-250/15	1,5	•	•	•
50-250/22	2,2	•	•	•
65-125/03	0,37	•	-	-
65-125/05	0,55	•	-	-
65-160/07	0,75	•	•	•
65-160/11	1,1	•	•	•
65-200/15	1,5	•	•	•
65-250/22	2,2	•	•	•
65-250/30	3	•	•	•
80-125/07	0,75	•	•	•
80-125/11	1,1	•	•	•
80-200/15	1,5	•	•	•
80-200/22	2,2	•	•	•
80-200/30	3	•	•	•
80-250/40	4	•	•	•
80-250/55	5,5	•	•	•
100-160/15	1,5	•	•	•
100-200/22	2,2	•	•	•
100-200/30	3	•	•	•
100-250/40	4	•	•	•
100-250/55	5,5	•	•	•
100-250/75	7,5	•	•	•
125-160/30	3	-	•	•
125-200/40	4	-	•	•
125-200/55	5,5	-	•	•
125-250/75	7,5	-	•	•
125-250/110	11	-	•	•
125-315/150	15	-	•	-
125-315/185	18,5	-	•	-
125-315/220	22	-	•	-
150-200/55	5,5	-	•	•
150-200/75	7,5	-	•	•
150-250/110	11	-	•	•
150-250/150	15	-	•	•
150-250/185	18,5	-	•	•

• = Available

fc_fce4-fcs4_4p50_b_tem

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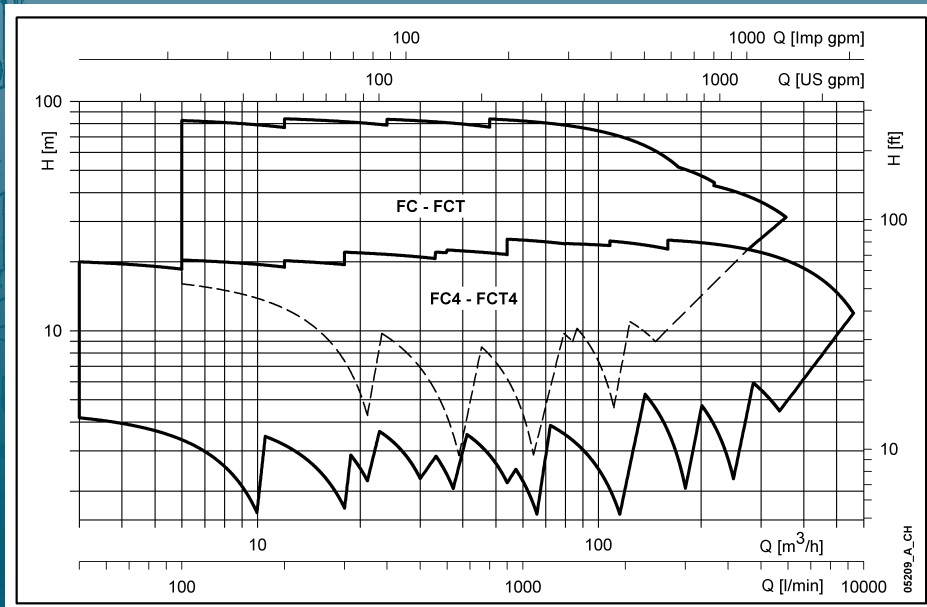


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SPECIFICATIONS

PUMP

- **Delivery:** with one pump running: up to 190 m³/h with 2-pole motor, up to 330 m³/h with 4-pole motor.
- **Head:** up to 89 m with 2-pole motor, up to 35 m with 4-pole motor.
- **Impeller:** made of AISI 316L stainless steel, laser technology welded, up to size 80-160. Cast iron impeller for bigger sizes. Bronze impeller available on request for 80-200 size and bigger, in both the "E" and "S" versions.
- Nominal discharge ports from 40 to 150 mm.



MOTOR

- Three-phase asynchronous, squirrel cage rotor, enclosed construction, external ventilation.
- Protection class IP55.
- Class F insulation.

FCTE SERIES CHARACTERISTICS

- Pump coupling: close-coupled by means of an adapter, with impeller keyed directly to the motor shaft extension.
- Maximum operating pressure: 10 bar (PN 10).
- Temperature of pumped liquid: -10°C to 130°C.

FCTS SERIES CHARACTERISTICS

- Pump coupling: by adapter, with bracket and rigid coupling keyed to the shaft extension of standard motors.
- Maximum operating pressure: 16 bar (PN 16) up to 120°C, 13 bar from 120°C to 140°C.
- Temperature of pumped liquid: -20°C to 140°C.
- "Eff. 1" motors, on request.

FCT..H SERIES CHARACTERISTICS (ON REQUEST)

- Variable speed control, using the Hydrovar control system, is recommended for managing pump operation according to system conditions. This ensures energy savings, lower operating costs, greater comfort and environmental protection.
- This option is available for both the FCTE and FCTS series, and includes the Hydrovar controller and sensors.

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