

Motor type	Poles	Package length	f (Hz)	Max. power P1 (KW) for 40 °C	Max. power P1 (KW) for 60 °C
FKT 20.2	2	17	60	15.7	13.8
FKT 20.2	2	22	60	22	19.1
FKT 20.2	2	30	60	27.5	24
FKT 20.2	4	17	60	8.9	7.9
FKT 20.2	4	22	60	13.6	11.9
FKT 20.2	4	27	60	20.5	17.9
FKT 20.2	4	31	60	25.5	22.5
FKT 20.2	6	17	60	9.8	8.8
FKT 20.2	6	22	60	13.4	11.8
FKT 20.2	6	32	60	18.7	16.3
FKT 20.2	8	17	60	7.1	6.1
FKT 20.2	8	22	60	9.8	8.5
FKT 20.2	8	32	60	13.3	11.5

- 1) The maximum permissible temperature of the water to be pumped complies with the respective maximum ambient temperature.
- 2) For the supply with a frequency converter the max. values given on the marking plate must not be exceeded. It is recommended to have a safety factor of 5-7 % from nominal load to reduce the temperature rise by converter feeding.

Electrical parameters (Converter)		
Maximum permitted input voltage	Rated voltage of the motor	V
Minimum switching frequency		4 kHz
Current limiting value		1.5 x I _N
Maximum overload time / permitted time for operation below the minimum output frequency ²⁾		60 s
Output frequency	Rated frequency of the motor or lower	Hz
If the motor runs with a converter, the converter is designed as intermediate circuit voltage converter with pulse width modulation		

- 2) The maximum overload time and the permitted time for operation below the minimum output frequency are in relation with a period of 10 minutes.

15.3.2 Thermal parameters

15.3.2.1 Thermistor circuit

Rated voltage 7.5 V

15.3.2.2 Bimetal-thermostat circuits

Voltage 250 V

Current 2.5 A

15.3.3 Float switch Leakage detector

Voltage max. 150 V

Current max. 0.5 A

15.3.4 Single-electrode Leakage detector

Voltage max. 30 V_{res}
(60 V_{peak})

Current max. 5 mA

15.3.5 Max. permissible submersion depth

20 m

15.3.6 Ambient temperature range

-20 °C up to +40 / 60 °C

15.3.7 Maximum temperature of the water to be pumped

+40 / 60 °C

