

Model No. 4-Pole cage motor 6RN 112M 4kW D400V 50Hz IM2181-FT165

Table with 12 columns: U (V), Δ/Y Conn, f [Hz], P [kW], P [hp], I [A], n [RPM], T [Nm], IE Class, % EFF at __ load (FL, 3/4FL, 1/2FL), PF at __ load (FL, 3/4FL, 1/2FL), IA/IN [pu], TA/TN [pu], TK/TN [pu]. Rows show performance data for 400V and 460V configurations.

Table with 2 columns: Parameter and Value. Parameters include Motor type (6RN112M04E42), Enclosure (Totally Enclosed Fan Cooling), Frame Material (Cast iron), Frame size (112M), Duty (S1), Voltage (400 V), Frequency (50 Hz), Power output (4 kW), Insulation class (F), Ambient temperature (-20 till 40 °C), Temperature rise (temp.rise acc. B (80K)), Temperature rise winding (37 K), Temperature rise surface, Altitude above sea level (1000 mtr), Hazardous area classification (Safe area).

Table with 2 columns: Parameter and Value. Parameters include Rotor type (Cage motor) and Bearing type (6306-2Z/C3WT).

Table with 2 columns: Parameter and Value. Parameter: Type of grease (Unirex N3).

Table with 2 columns: Parameter and Value. Parameters include Phase resistance at 20°C (2,4150 Ohm) and Country of origin (CZ).

Table with 6 columns: Voltage/Freq, Locked rotor Torque [% nom], Starting current [% nom], Pull-up Torque [% nom], Breakdown Torque [% nom], No-load Current [A]. Rows show data for @ D 400V 50Hz and @ D 460V 60Hz.

NOTE
All performance values at rated voltage and frequency.
All performance parameters are subjected to standard tolerance as per IEC 60034-1
Voltage, Frequency are as per IEC60034-1
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Table with 3 columns: Parameter, Europe, Global IEC. Parameters include Efficiency and Standards (EN-IEC: 60034-30, IEC: 60034-30).

This is an uncontrolled copy, data can be changed anytime.

Table with 2 columns: Parameter and Value. Parameters include Degree of protection (IP55), Mounting type (IM2181-FT165), Cooling method (IC411), Motor weight - approx. (58 kg), Gross weight - approx. (60 kg), Motor inertia (0,0200 kgm²), Vibration level (according IEC60034-14), Noise level (pressure) acc 60034-9 (65 dB(A)).

Table with 2 columns: Parameter and Value. Parameter: Direction of rotation (cw / ccw).

