

Model No. 8-Pole cage motor 6RN 180L 11kW D400V 50Hz IM2021-FF300

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	I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
400	D	50	11	15	24	725	144,9	IE3	88,6 89,7 89,6	0,74 0,87 0,94	5,10	2,10	2,40
690	Y				13,8								
460	D	60	12,6	16,89	23,8	870	138,3	IE2	89,5 90,6 90,8	0,74 0,71 0,61	5,12	1,99	2,41

Motor type	6RN180L08E34
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	11 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM2021-FF300
Cooling method	IC411
Motor weight - approx.	194 kg
Gross weight - approx.	200 kg
Motor inertia	0,2000 kgm ²
Vibration level	according IEC60034-14

Direction of rotation cw / ccw

Rotor type	Cage motor
Bearing type	6310-2Z/C3WT

Type of grease	Unirex N3
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Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	210%	508%		240%	
@ D 460V 60Hz	199%	512%		241%	

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.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

