

Model No. 6-Pole cage motor 5RN 180L 18,5kW D400V 50Hz IM3021-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	18,5	24,8	37,5	975	181,2	IE1	89,6 90,3	0,79 0,75	5,21	2,20	2,29
690	Y				21,5								
460	D	60	22	30	38,4	1175	178,8	N/A	90,6	0,80	5,15	2,12	2,18

Motor type	5RN180L06A8
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	66 K
Temperature rise surface	40 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

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

Type of grease	Unirex N3
----------------	-----------

Phase resistance at 20°C	0,5360 Ohm
Country of origin	CZ

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	220%	520%	200%	229%	16,1 A
@ D 460V 60Hz	212%	515%		218%	14,1 A

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.

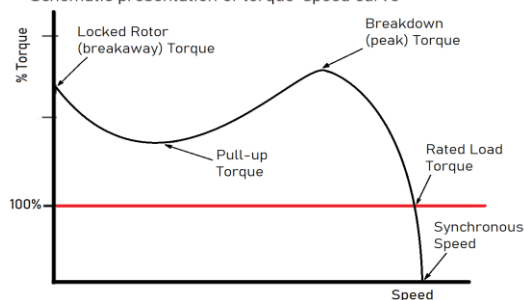
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Degree of protection	IP55
Mounting type	IM3021-FF300
Cooling method	IC411
Motor weight - approx.	150 kg
Gross weight - approx.	155 kg
Motor inertia	0,1750 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	0 dB(A)

Direction of rotation	cw / ccw
-----------------------	----------

Schematic presentation of torque-speed curve



P000004219
P000040069



Driving efficiency and sustainability

