

Model No. 4-Pole cage motor 5RN 225M 55kW D400V 50Hz IM1041

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	55	75	99	1482	354,4	IE2	94,5	93,9		0,86	0,83		7,00	2,80	3,00
690	Y				57												
460	D	60	63	84,45	98	1782	337,6	IE2	94,1	94,3		0,86	0,83		7,10	2,70	2,90

Motor type	5RN225M04E28
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	55 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	69 K
Temperature rise surface	48 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6313/C3
Lubrication method	22gr/10200hrs
Type of grease	Unirex N3

Phase resistance at 20°C	0,0987 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	280%	700%	210%	300%	33,6 A
@ D 460V 60Hz	270%	709%		290%	32,5 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.

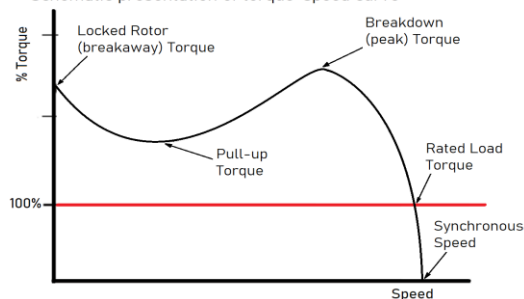
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Degree of protection	IP55
Mounting type	IM1041
Cooling method	IC411
Motor weight - approx.	330 kg
Gross weight - approx.	340 kg
Motor inertia	0,6600 kgm ²
Vibration level	according IEC60034-14

Direction of rotation cw / ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

