PRODUCT INFORMATION PACKET



Model No: 6RN160M08E32U241081 Catalog No: 6RN160M08E32U24@1081 4.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 750 rpm, D230/Y400V 50Hz, 160M Frame B3, IC411



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Nameplate Specifications

Output HP	5.50 Hp Output KW		4.0 kW	
Frequency	50 Hz Voltage		D230/Y400 V	
Current	17.84 A Speed		730 rpm	
Service Factor	1 Phase		3	
Efficiency	84.8 %	Power Factor	0.00	
Duty	S 1	Insulation Class	F	
Frame	160M	Enclosure	Totally Enclosed Fan Cooled	
Thermal Protection	No Protection	Ambient Temperature	40 °C	
Drive End Bearing Size	6309-2Z/C3WT (-40°C/+160°C)	Opp Drive End Bearing Size	6309-2Z/C3WT (-40°C/+160°C)	
UL	No	CSA	Optional	
CE	Yes IP Code		IP55	
Number of Speeds	1	Efficiency Class	IE3	

Technical Specifications

Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	8	Rotation	Clockwise Shaft End
Mounting	В3	Motor Orientation	Any
Frame Material	Cast iron	Shaft Type	Keyed
Outline Drawing	6RN160M08E32_1041		

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Datasheet





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Model No.

8-Pole cage motor 6RN 160M 4kW D230V 50Hz IM1081

U	Δ/Υ	f	Р	Р	I	n	Т	IE	% E	FF at	load	PI	atlo	oad	I _A /I _N	T _A /T _N	T _K /T _N
(V)	Conn	[Hz]	[kW]	[hp]	[A]	[RPM]	[Nm]	Class	FL	3/4FL	1/2FL	FL	3/4FL	1/2FL	[pu]	[pu]	[pu]
230	D	50	4	5 1/3	17,8	730	52	IE3							3,60	1,60	1,80
400	Υ				10,3												
265	D	60	4,55	6,099		•		IE3			·						
	Υ																

Motor type	6RN160M08E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	\$1
Voltage	230 ∨
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 surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM1081
Cooling method	IC411
Motor weight - approx.	110 kg
Gross weight - approx.	113 kg
Motor inertia	0,0650 kgm²
Vibration level	according IEC60034-14

remperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

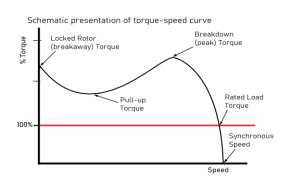
Direction of rotation	cw/ccw

Rotor type	Cage motor
Bearing type	6309-2Z/C3WT

Type of grease	Unirex N3

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 230V 50Hz	160%	360%		180%	
@ D 265V 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.

Efficiency Europe Global IEC Standards EN-IEC: 60034-30 IEC: 60034-30 noton is a ISO 9001 certified company





6RN160M08E32 8-pole 4,00kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



