

PRODUCT INFORMATION PACKET

rotor nl®

Model No: 6RN280S04E30PMU463021

Catalog No: 6RN280S04E30PMU46@3021

75.00 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D400/Y690V 50Hz,
280S Frame B5, IC411
Cast Iron Motors



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Nameplate Specifications

Efficiency Class	IE3
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Technical Specifications

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Model No. 4-Pole cage motor 6RN 280S 75kW D400V 50Hz IM3021-FF500

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	75	100	134	1500	480	IE3	95,0	0,85	9,60	3,40	3,70
690	Y				77,4								

Motor type **6RN280S04E30PM**
Enclosure **Totally Enclosed Fan Cooling**
Frame Material **Cast iron**
Frame size **280S**
Duty **S1**
Voltage **400 V**
Frequency **50 Hz**
Power output **75 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**

Rotor type **Cage motor**
Bearing type **6315/C3 - 6315/C3**
Lubrication method **25gr/8000hrs**
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 400V 50Hz	340%	955%		370%	

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.

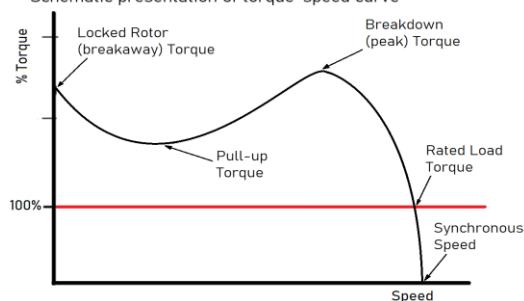
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

Degree of protection **IP55**
Mounting type **IM3021-FF500**
Cooling method **IC411**
Motor weight - approx. **kg**
Gross weight - approx. **kg**
Motor inertia **2,0100 kgm²**

Vibration level **according IEC60034-14**

Direction of rotation **cw /ccw**

Schematic presentation of torque-speed curve



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6RN280S04E30PM 4-pole 75,00kW D/Y 400/690V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive

