

Model No. 4-Pole cage motor 6RN 280M 104kW D440V 60Hz 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]
440	D	60	104	139,4	163	1782	557,4	IE2	95,2	0,88	6,82	2,28	2,58

Motor type	6RN280M04E32
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	280M
Duty	S1
Voltage	440 V
Frequency	60 Hz
Power output	104 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. B
Temperature rise winding	56 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Rotor type	Cage motor
Bearing type	6317/C3
Lubrication method	30gr/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 440V 60Hz	228%	680%	189%	258%	41,9 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.

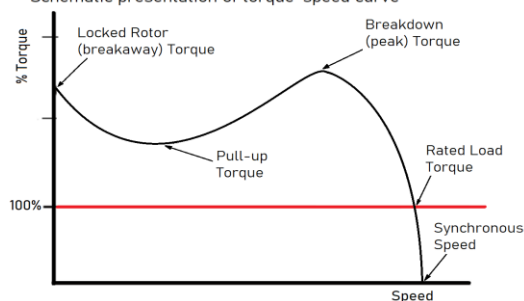
Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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

Degree of protection	IP55
Mounting type	IM3021-FF500
Cooling method	IC411
Motor weight - approx.	680 kg
Gross weight - approx.	700 kg
Motor inertia	1,7000 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	73 dB(A)

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

Schematic presentation of torque-speed curve



P000051263



Driving efficiency and sustainability

