

Model No. 2-Pole cage motor 6RN 280S 84kW D440V 60Hz IM2021-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	84	112,6	131	3570	224,7	IE2	94,2	0,89	6,50	2,11	2,62

Motor type	6RN280S02E30
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	280S
Duty	S1
Voltage	440 V
Frequency	60 Hz
Power output	84 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	71 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6315/C3
Lubrication method	25gr/1800hrs
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	211%	653%	171%	262%	29,6 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	IM2021-FF500
Cooling method	IC411
Motor weight - approx.	520 kg
Gross weight - approx.	540 kg
Motor inertia	0,7700 kgm ²
Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	77 dB(A)

Direction of rotation cw /ccw

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

