

Model No. 4-Pole cage motor 23RN 280S 110kW D400V 50Hz IM2021-FF600

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	110	150	185	1475	712,2	N/A	94,5	0,91	7,66	2,27	2,68
690	Y				106								
460	D	60	132	175	208	1770	712,2	< IE1	90,5	0,88	7,40	2,27	2,68

Motor type	23RN280S04
Enclosure	IP23 Free circulation
Frame Material	Cast iron
Frame size	280S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	110 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	64 K
Temperature rise surface	28 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6318/C3
Lubrication method	40gr/8000hrs
Type of grease	0

Phase resistance at 20°C	0,0533 Ohm
Country of origin	CN

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	227%	762%		268%	47,8 A
@ D 460V 60Hz	227%	735%		268%	70 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

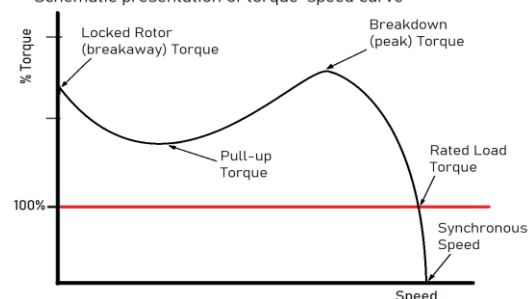
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Degree of protection	IP23
Mounting type	IM2021-FF600
Cooling method	IC01
Motor weight - approx.	740 kg
Gross weight - approx.	760 kg
Motor inertia	1,7640 kgm ²

Vibration level	according IEC60034-14
Noise level (pressure) acc 60034-9	74 dB(A)

Direction of rotation	cw /ccw
	PTC 150°C
	No
	No
	No

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

