

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 13290557		
Frame	: 254/6TC	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : W-6		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 101 kg		
Design	: B	Moment of inertia (J) : 0.0939 kgm <sup>2</sup>		
Output [HP]		20		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		20.0		
L. R. Amperes [A]		126		
LRC [A]		6.3x(Code G)		
No load current [A]		9.15		
Rated speed [RPM]		1770		
Slip [%]		1.67		
Rated torque [kgfm]		8.20		
Locked rotor torque [%]		240		
Breakdown torque [%]		290		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level <sup>2</sup>		64.0 dB(A)		
Efficiency (%)	25%			
	50%	92.4		
	75%	92.4		
	100%	93.0		
Power Factor	25%			
	50%	0.63		
	75%	0.74		
	100%	0.81		
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: Without Without	Max. traction : 323 kgf		
	: Bearing Seal Bearing Seal	Max. compression : 425 kgf		
Lubrication interval	: 20000 h 20000 h			
Lubricant amount	: 13 g 8 g			
Lubricant type	: Mobil Polyrex EM			
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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# LOAD PERFORMANCE CURVE

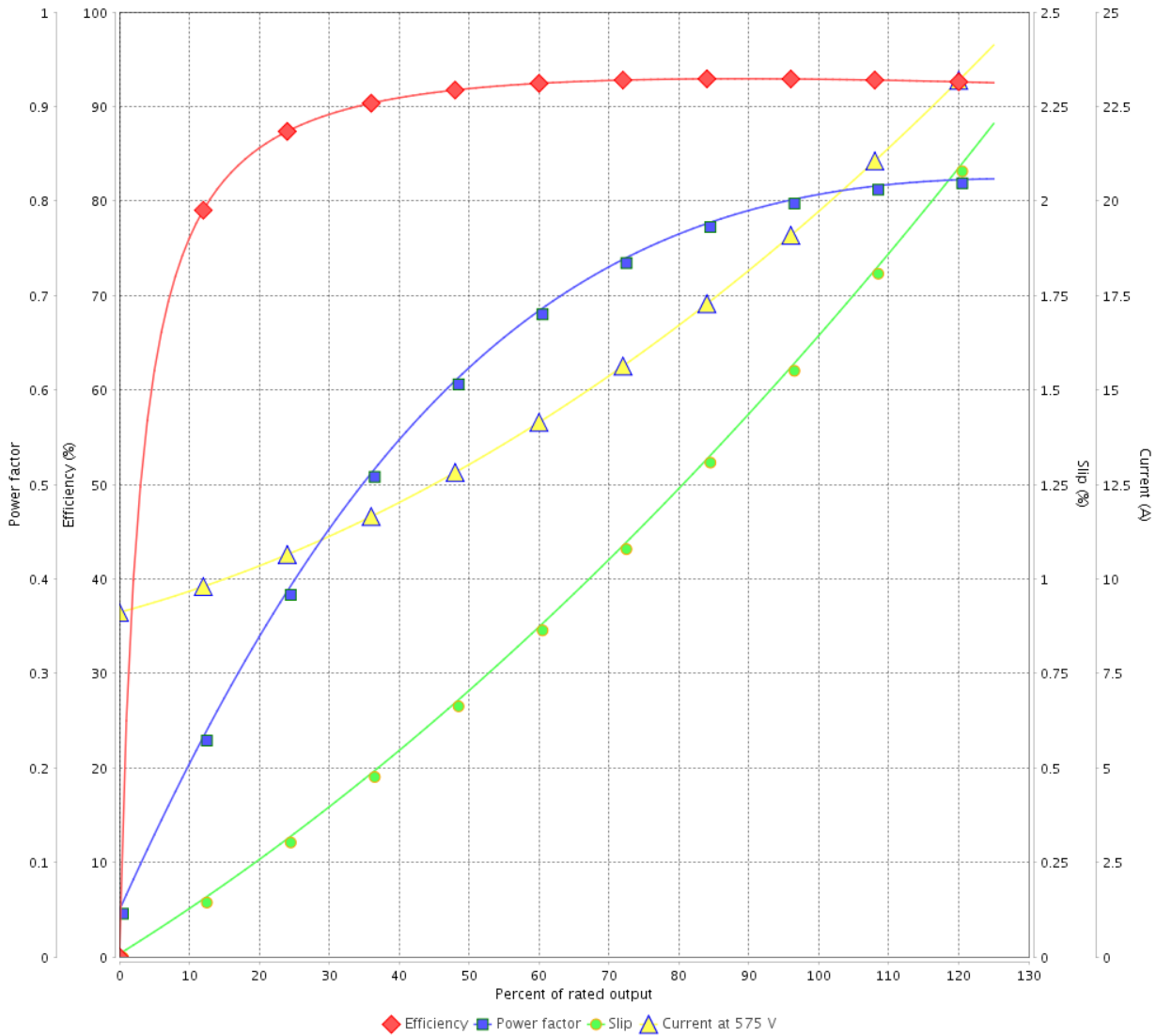
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase      Product code : 13290557

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 20.0 A	Moment of inertia (J)	: 0.0939 kgm <sup>2</sup>
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 8.20 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

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