DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	15764361

Frame	: 254/6TC	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 111 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0551 kgm²
Design	: A		

Output [HP]		25
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		22.8
L. R. Amperes [A]		189
LRC [A]		8.3x(Code J)
No load current [A]		8.04
Rated speed [RPM]		3530
Slip [%]		1.94
Rated torque [kgfm]		5.14
Locked rotor torque [%]		240
Breakdown torque [%]		340
Service factor		1.15
Temperature rise		80 K
Locked rotor time		14s (cold) 8s (hot)
Noise level²		75.0 dB(A)
Efficiency (%)	25%	
	50%	91.0
	75%	91.7
	100%	91.7
Power Factor	25%	
	50%	0.77
	75%	0.85
	100%	0.89

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	15797 h	20000 h
Lubricant amount	:	13 g	8 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 219 kgf

Max. compression : 330 kgf

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

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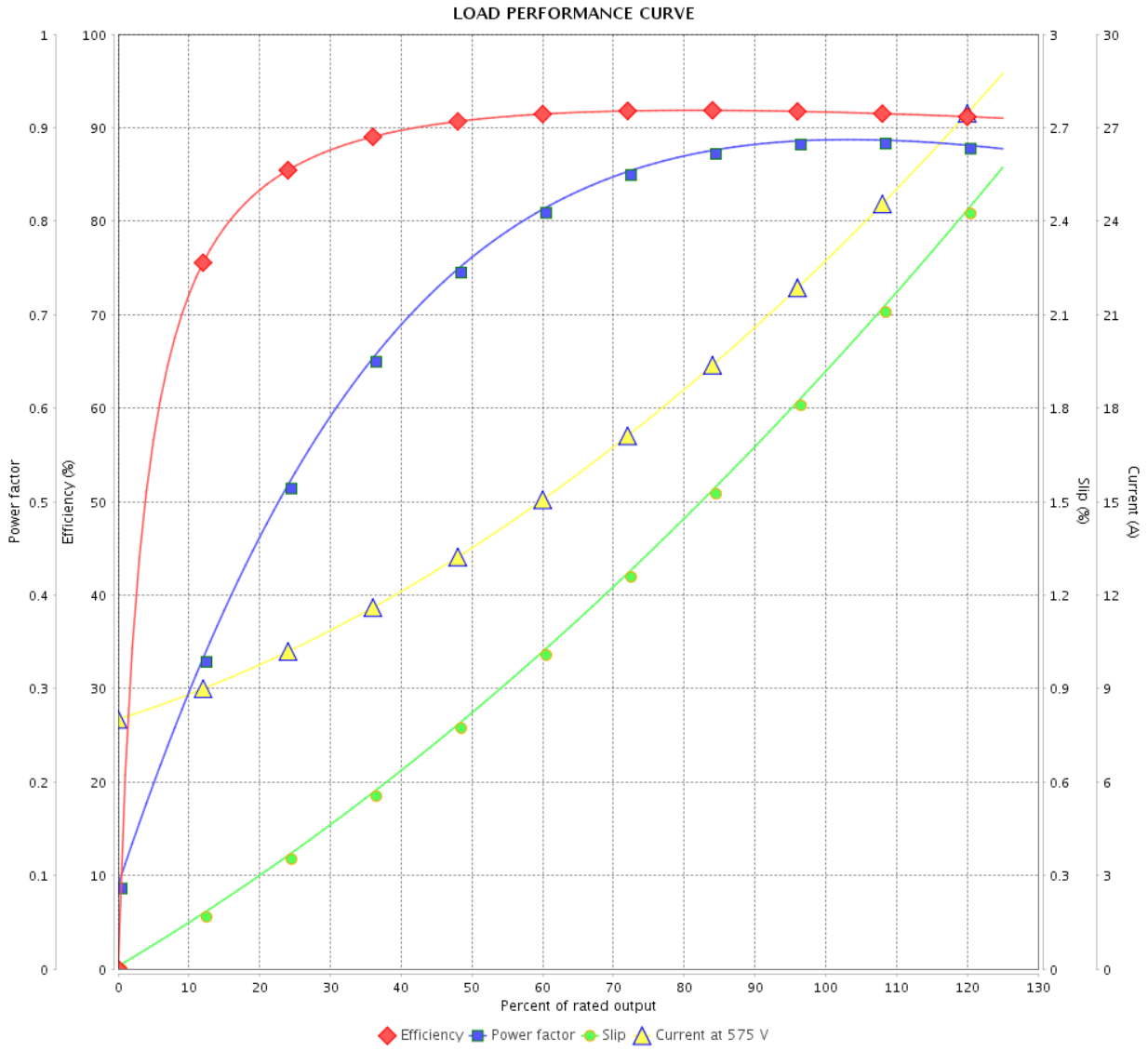

Performance	: 575 V 60 Hz 2P		
Rated current	: 22.8 A	Moment of inertia (J)	: 0.0551 kgm²
LRC	: 8.3	Duty cycle	: Cont.(S1)
Rated torque	: 5.14 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: A

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