

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 P Base NEMA Premium Efficiency Three-Phase Product code : 14904053

Frame	: 284/6HPH	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 37.0 A	Protection degree	: IP55
L. R. Amperes	: 318 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code J)	Mounting	: W-6
No load current	: 11.3 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3550 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 8.18 kgfm	Approx. weight ³	: 220 kg
Locked rotor torque	: 270 %		
Breakdown torque	: 370 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.1243 kgm ²		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.7	92.4	92.4	Max. traction	: 0 kgf
Power Factor	0.00	0.76	0.85	0.88	Max. compression	: 0 kgf

		Drive end	Non drive end
Bearing type	:	6314 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	4000 h	8000 h
Lubricant amount	:	27 g	11 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W22 - NEMA Premium Efficiency.

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

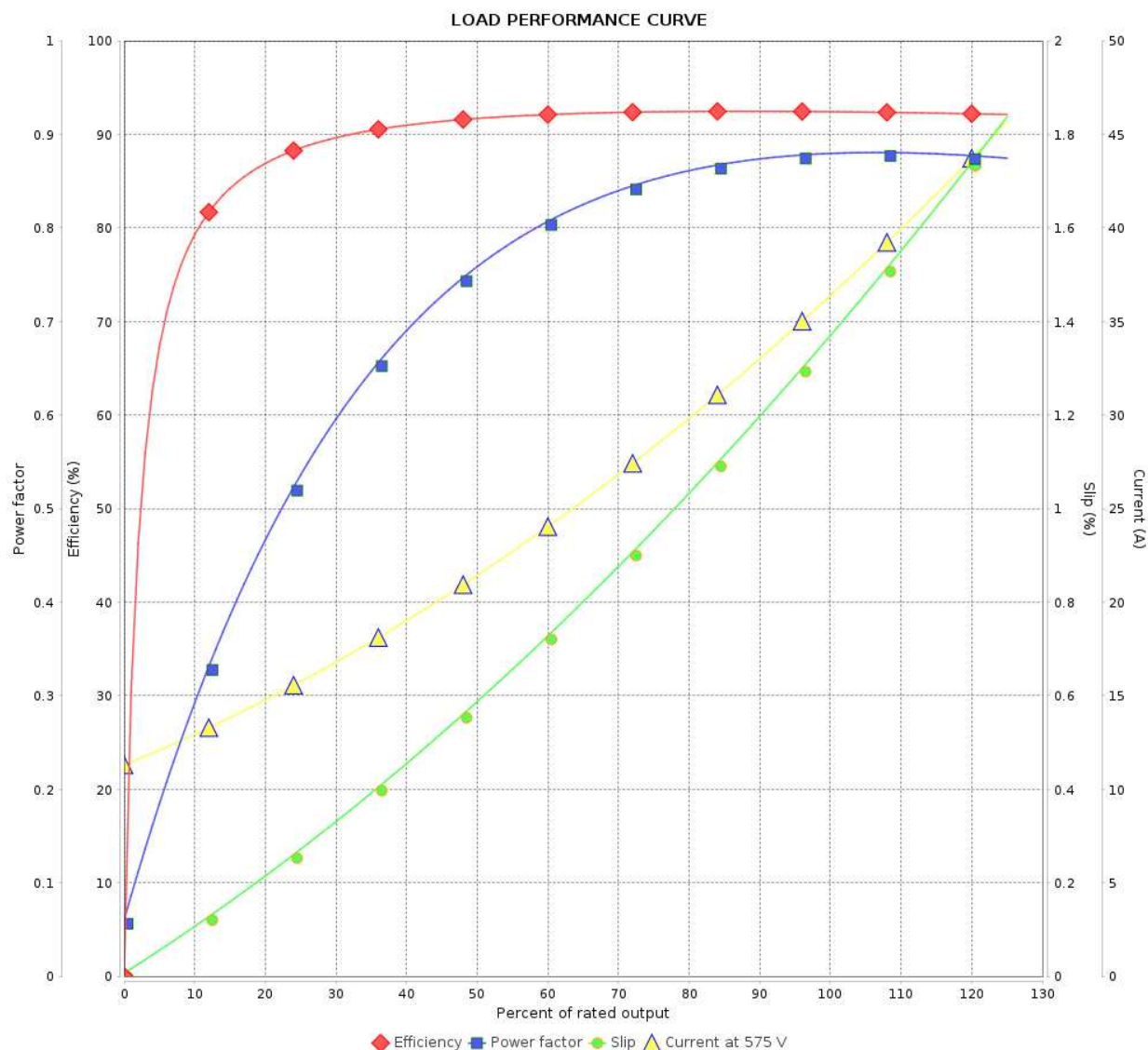
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 P Base NEMA Premium
Efficiency Three-Phase

Product code : 14904053



Performance : 575 V 60 Hz 2P

Rated current : 37.0 A
LRC : 8.6
Rated torque : 8.18 kgfm
Locked rotor torque : 270 %
Breakdown torque : 370 %
Rated speed : 3550 rpm

Moment of inertia (J) : 0.1243 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : A

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