

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 13760945		
Frame	: W56C	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 10.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0024 kgm ²		
Output [HP]		0.5		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.792		
L. R. Amperes [A]		3.48		
LRC [A]		4.4x(Code H)		
No load current [A]		0.620		
Rated speed [RPM]		1130		
Slip [%]		5.83		
Rated torque [kgfm]		0.321		
Locked rotor torque [%]		200		
Breakdown torque [%]		240		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		30s (cold) 17s (hot)		
Noise level ²		48.0 dB(A)		
Efficiency (%)	25%			
	50%	59.5		
	75%	66.0		
	100%	68.0		
Power Factor	25%			
	50%	0.47		
	75%	0.59		
	100%	0.69		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 19 kgf		
Lubrication interval	: - -	Max. compression : 30 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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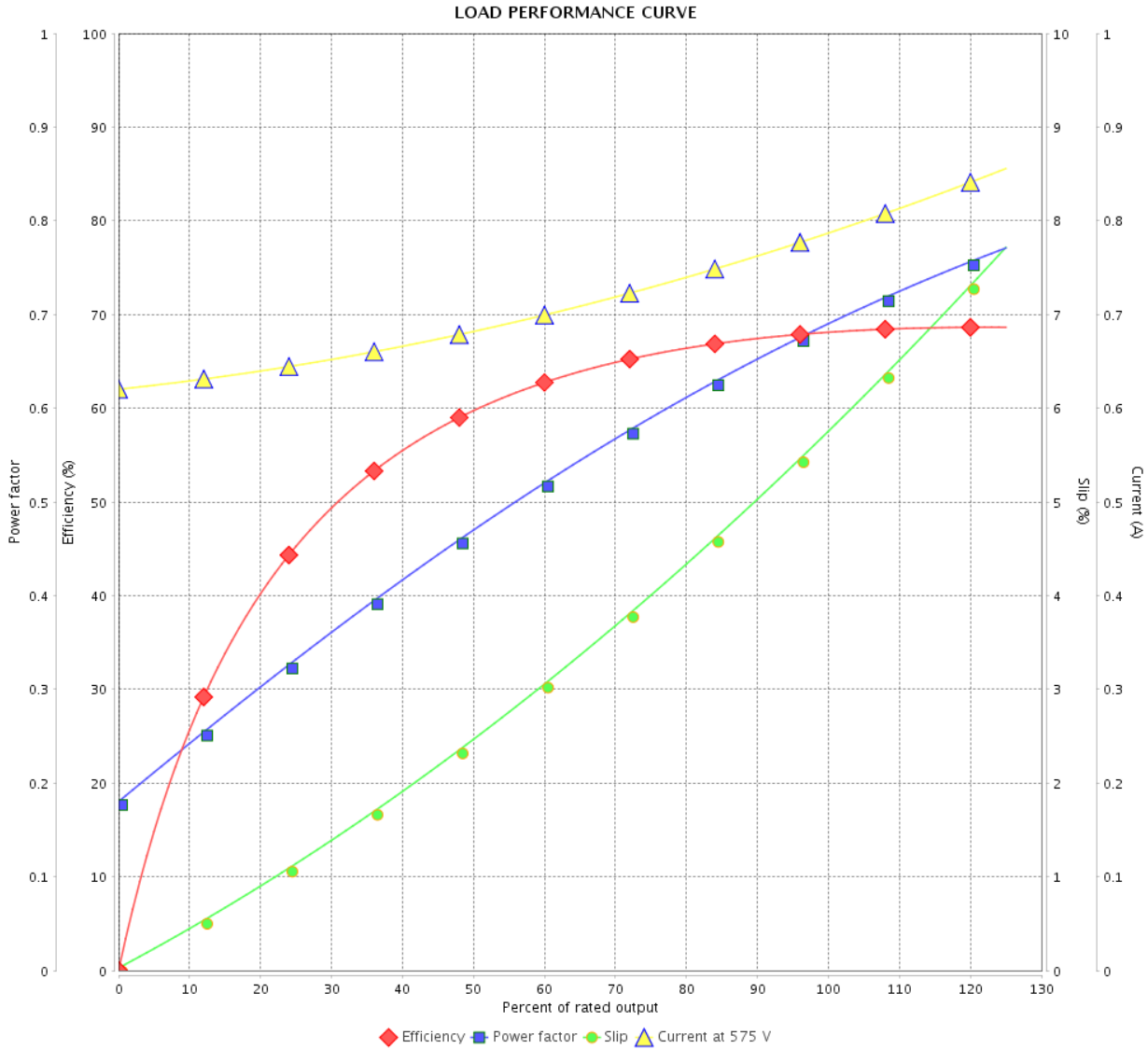
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Standard Efficiency Three-Phase Product code : 13760945



Performance : 575 V 60 Hz 6P

Rated current : 0.792 A
 LRC : 4.4
 Rated torque : 0.321 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 240 %
 Rated speed : 1130 rpm

Moment of inertia (J) : 0.0024 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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