

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code :	14212764
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	: 6.7 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0013 kgm ²	
Output [HP]	0.33			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	0.527			
L. R. Amperes [A]	2.85			
LRC [A]	5.4x(Code K)			
No load current [A]	0.426			
Rated speed [RPM]	1730			
Slip [%]	3.89			
Rated torque [kgfm]	0.138			
Locked rotor torque [%]	229			
Breakdown torque [%]	270			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	37s (cold) 21s (hot)			
Noise level ²	50.0 dB(A)			
Efficiency (%)	25%			
	50%	57.5		
	75%	64.0		
	100%	68.0		
Power Factor	25%			
	50%	0.48		
	75%	0.60		
	100%	0.70		
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring	V'Ring	Max. traction : 8 kgf	
Lubrication interval	: -	-	Max. compression : 15 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>	
Rev.	Changes Summary		Performed	Checked
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Date	17/05/2022		1 / 2	

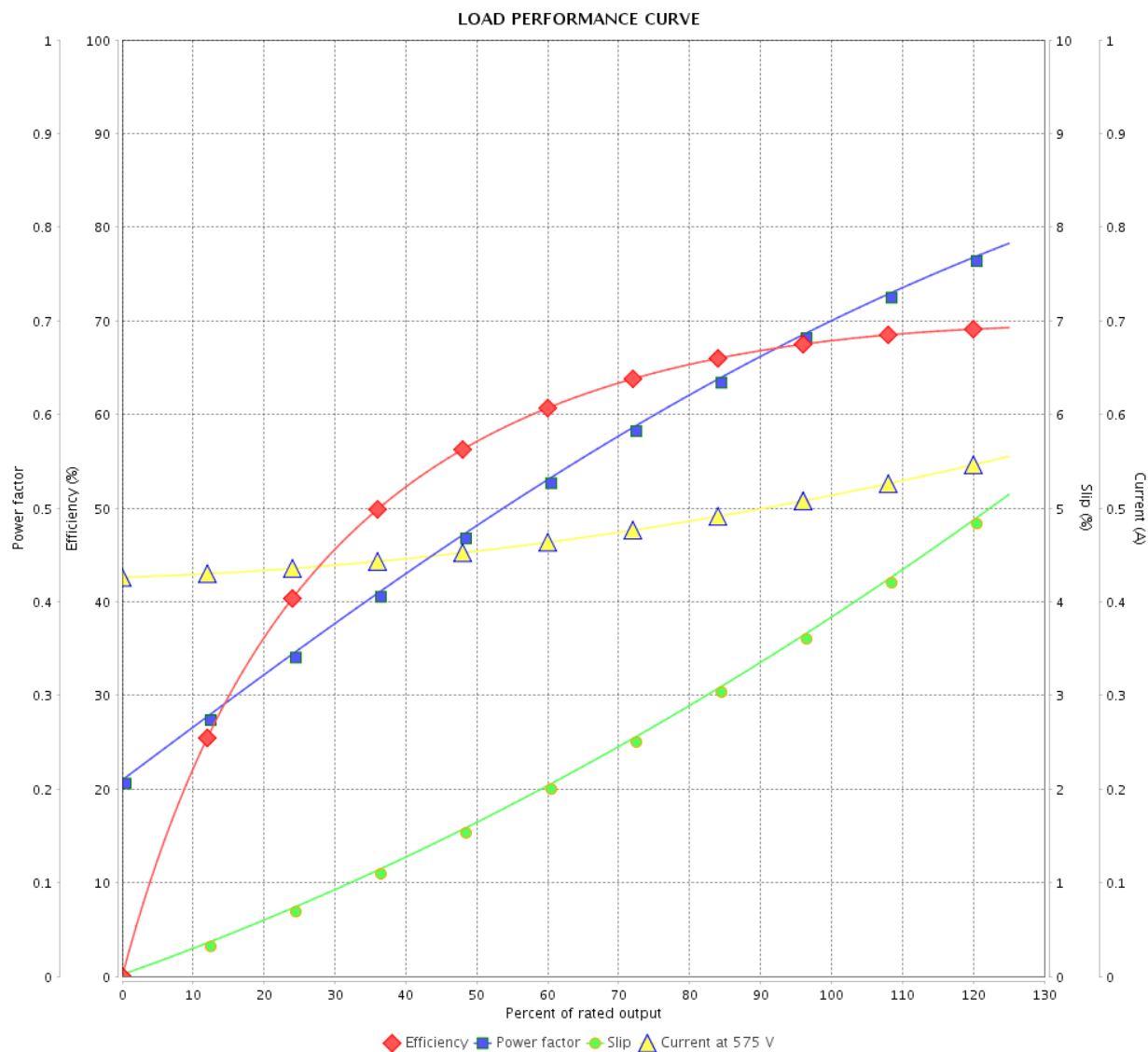
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 14212764



Performance : 575 V 60 Hz 4P

Rated current : 0.527 A
 LRC : 5.4
 Rated torque : 0.138 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 270 %
 Rated speed : 1730 rpm

Moment of inertia (J) : 0.0013 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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