

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Premium Efficiency Three-Phase	Product code :	15506685
Frame	: 56HC	Cooling method	: IC01 - ODP	
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	: 20.4 kg	
Design	: A	Moment of inertia (J)	: 0.0060 kgm ²	
Output [HP]	3			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	3.18			
L. R. Amperes [A]	24.1			
LRC [A]	7.6x(Code K)			
No load current [A]	1.68			
Rated speed [RPM]	1735			
Slip [%]	3.61			
Rated torque [kgfm]	1.25			
Locked rotor torque [%]	270			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	21s (cold) 12s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	86.5		
	75%	86.5		
	100%	86.9		
Power Factor	25%			
	50%	0.59		
	75%	0.72		
	100%	0.80		
Bearing type	: Drive end 6204 ZZ Non drive end 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 111 kgf		
		Max. compression : 131 kgf		
Lubrication interval	: -			
Lubricant amount	: -			
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.		
Rev.	Changes Summary		Performed	Checked
Performed by			Page 1 / 2	Revision
Checked by				
Date	17/05/2022			

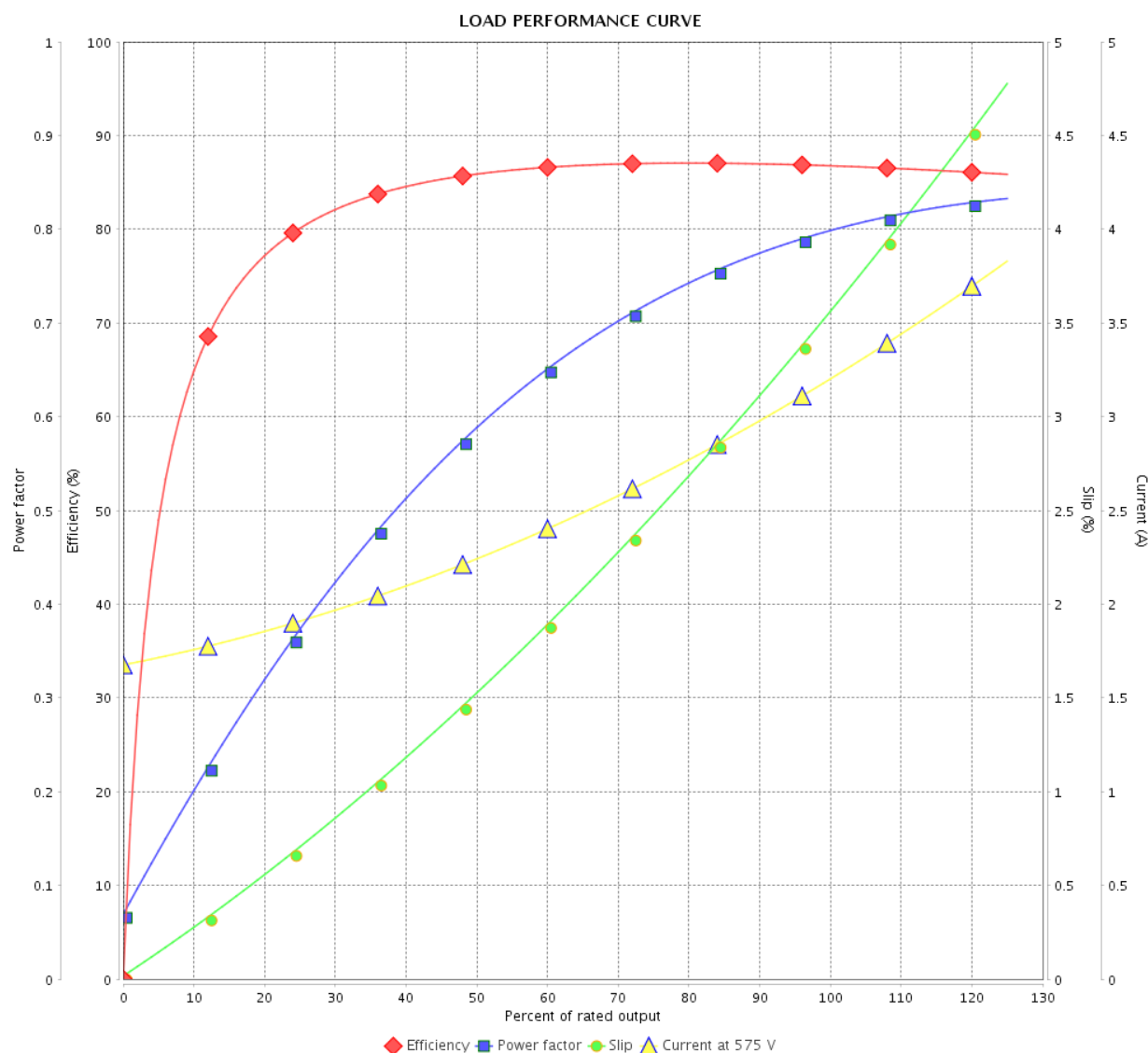
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 15506685



Performance : 575 V 60 Hz 4P

Rated current	: 3.18 A	Moment of inertia (J)	: 0.0060 kgm ²
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 1.25 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1735 rpm	Design	: A

Rev.	Changes Summary	Performed	Checked	Date
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Date	17/05/2022			