

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Three-Phase	Product code :	13702730		
Frame	: 56HC	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 19.2 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0055 kgm <sup>2</sup>		
Design	: B				
Output [HP]	2				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	2.18				
L. R. Amperes [A]	17.8				
LRC [A]	8.2x(Code K)				
No load current [A]	1.12				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.832				
Locked rotor torque [%]	270				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%				
	50%	85.5			
	75%	87.5			
	100%	86.5			
Power Factor	25%				
	50%	0.60			
	75%	0.73			
	100%	0.80			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: 6204 ZZ	6202 ZZ	Max. traction	: 71 kgf	
Lubrication interval	: V'Ring	V'Ring	Max. compression	: 90 kgf	
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.		
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

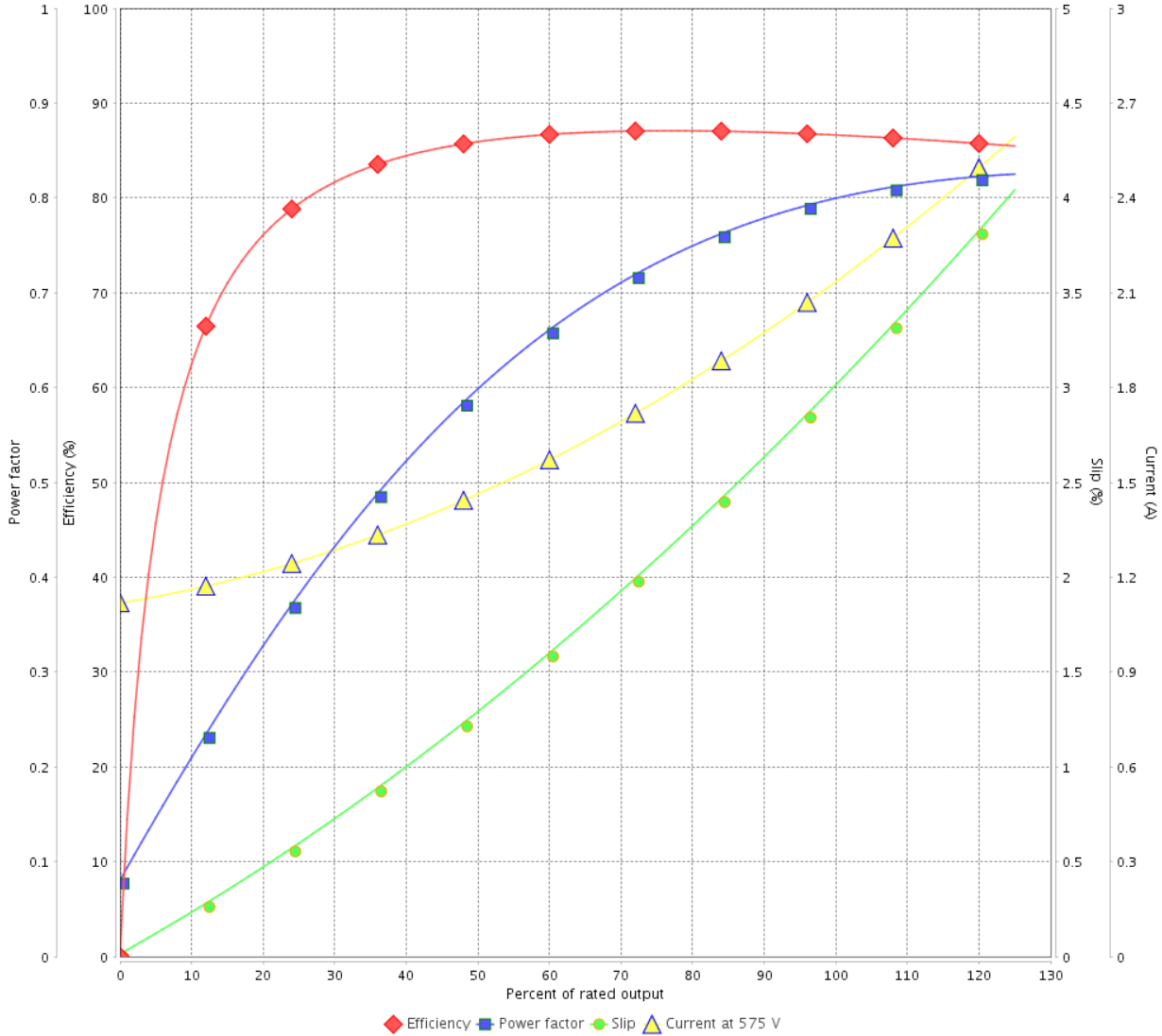


Customer :

Product line : Three-Phase

Product code : 13702730

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 2.18 A  
 LRC : 8.2  
 Rated torque : 0.832 kgfm  
 Locked rotor torque : 270 %  
 Breakdown torque : 300 %  
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0055 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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