

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase			
Product code :	14219870			
Frame	: 56C			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: B			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation <sup>1</sup>	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 18.4 kg			
Moment of inertia (J)	: 0.0055 kgm <sup>2</sup>			
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	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 71 kgf			
	Max. compression : 89 kgf			
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	Date
Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

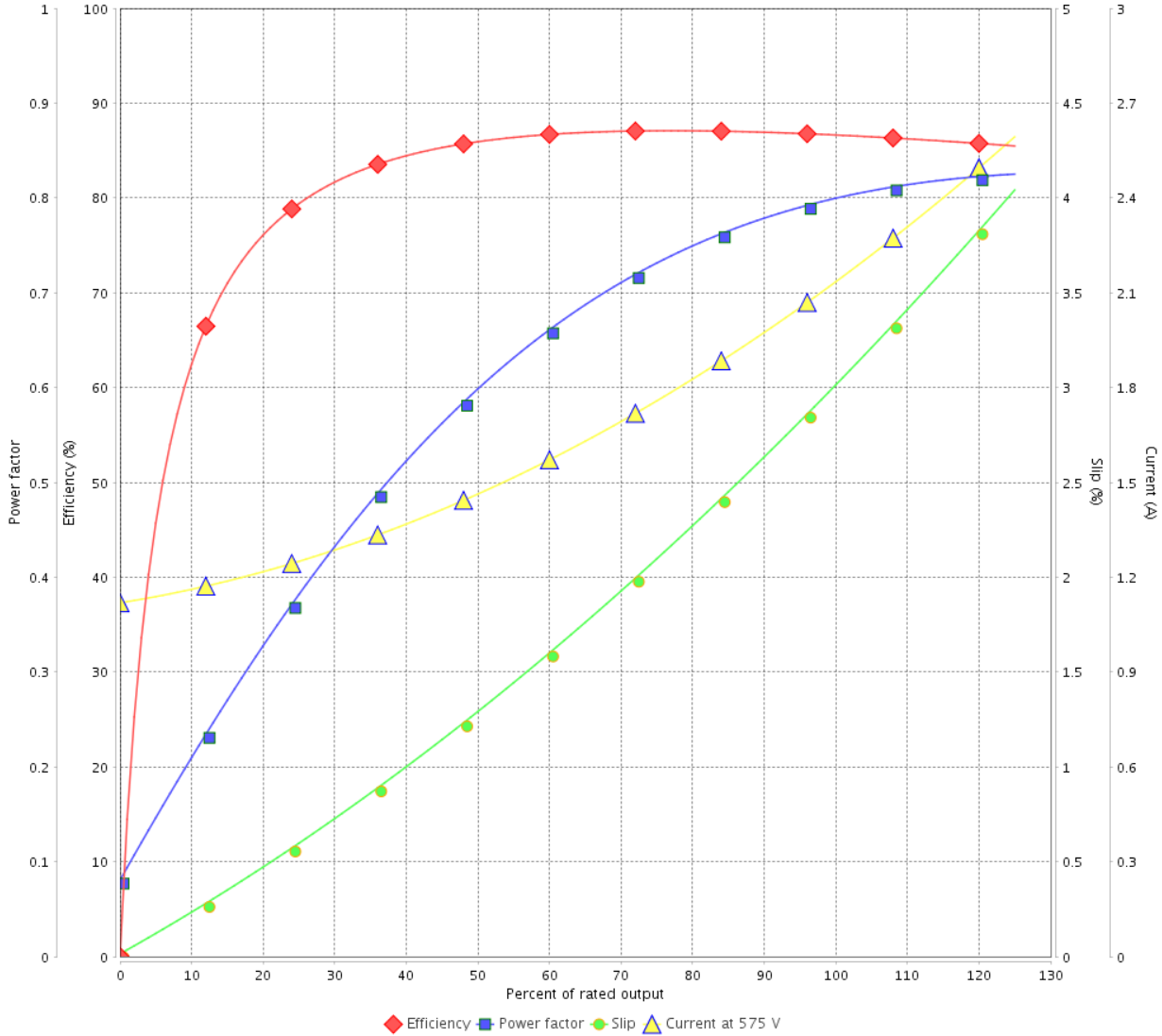


Customer : \_\_\_\_\_

Product line : Three-Phase

Product code : 14219870

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 2.18 A	Moment of inertia (J)	: 0.0055 kgm <sup>2</sup>
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.832 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1745 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	11/05/2022			