

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line : Single-Phase		Product code : 13246919		
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 : L		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 19.7 kg Moment of inertia (J) : 0.0060 kgm²		
Output [HP]	1.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	15.0/8.27-7.48			
L. R. Amperes [A]	120/66.2-59.8			
LRC [A]	8.0x(Code L)			
No load current [A]	7.80/3.36-3.90			
Rated speed [RPM]	1745			
Slip [%]	3.06			
Rated torque [kgfm]	0.624			
Locked rotor torque [%]	250			
Breakdown torque [%]	270			
Service factor				
Temperature rise	80 K			
Locked rotor time	14s (cold) 8s (hot)			
Noise level ²	54.0 dB(A)			
Efficiency (%)	25%			
	50%	69.0		
	75%	75.0		
	100%	77.0		
Power Factor	25%			
	50%	0.68		
	75%	0.78		
	100%	0.83		
Bearing type : Drive end 6204 ZZ Non drive end 6202 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 44 kgf Max. compression : 64 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
Performed by				
Checked by				
Date	13/05/2022		Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

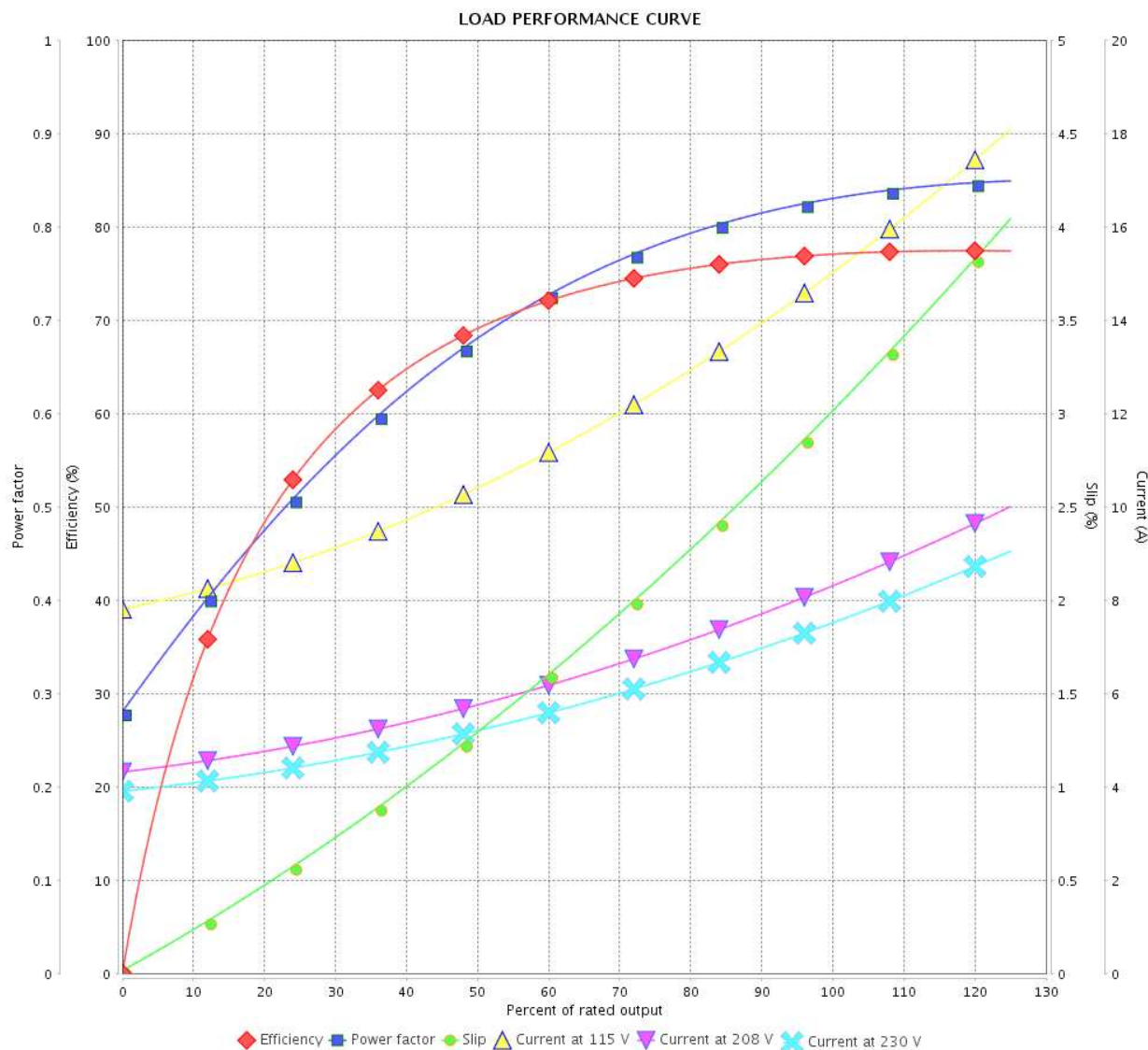
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 13246919



Performance : 115/208-230 V 60 Hz 4P

Rated current : 15.0/8.27-7.48 A
 LRC : 8.0
 Rated torque : 0.624 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2 Revision		
Checked by				
Date	13/05/2022			

