

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Single-Phase	Product code :	13246919		
Frame	: 56C	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>	: 19.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0060 kgm <sup>2</sup>		
Design	: L				
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 <sup>2</sup>	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	Non drive end	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 44 kgf	
Lubrication interval	: -	-	Max. compression	: 64 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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/05/2022			1 / 2	

# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

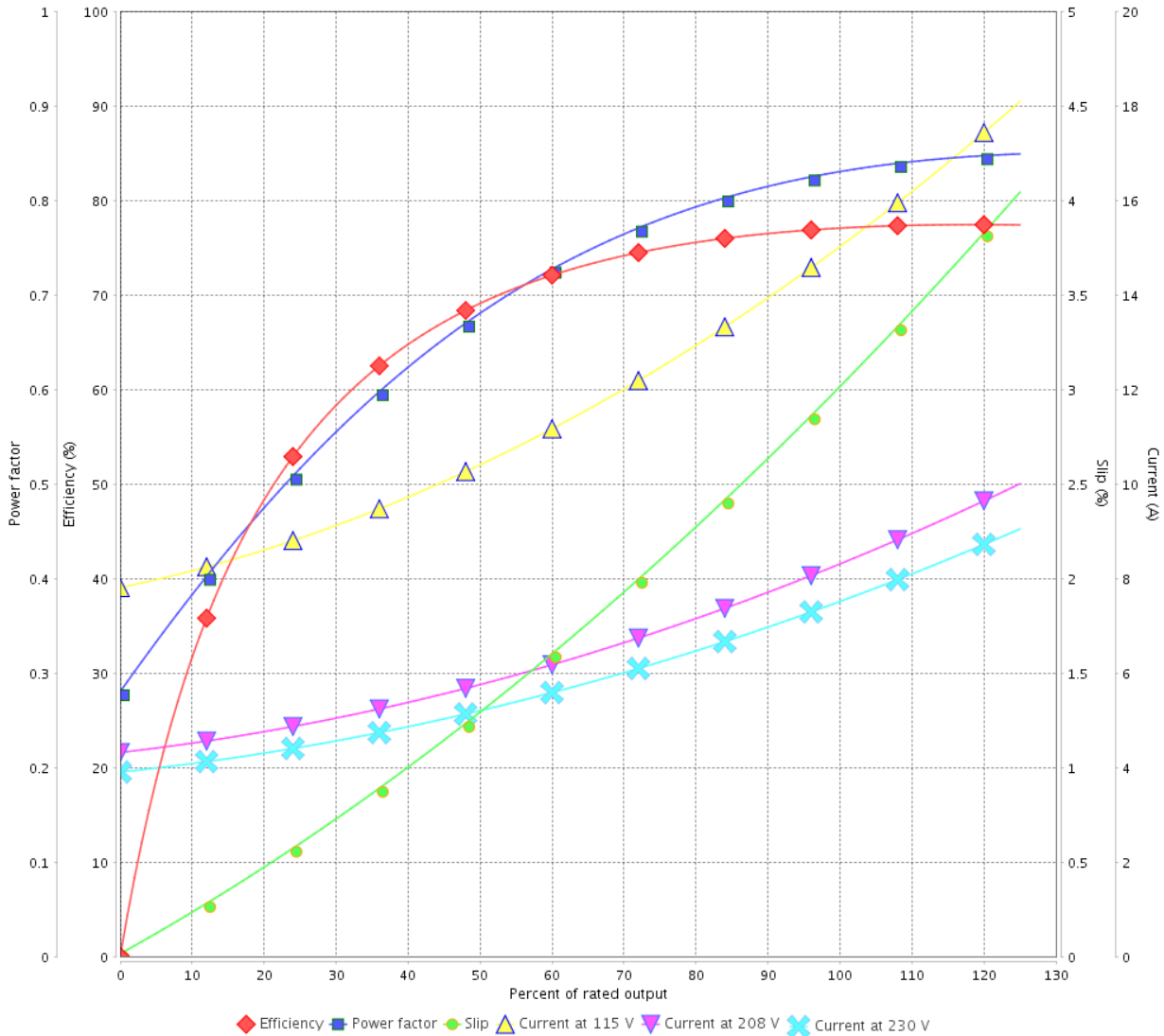


Customer :

Product line : Single-Phase

Product code : 13246919

LOAD PERFORMANCE CURVE



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 kgm<sup>2</sup>  
 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			