

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 12532729

Frame	: W213/5T	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 20.2/10.5-10.1 A	Protection degree	: IP55
L. R. Amperes	: 145/75.6-72.7 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code K)	Mounting	: F-1
No load current	: 10.0/4.31-5.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1175 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight <sup>3</sup>	: 54.5 kg
Rated torque	: 1.24 kgfm		
Locked rotor torque	: 240 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0220 kgm <sup>2</sup>		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	69.0	76.0	78.0	Max. traction	: 29 kgf
Power Factor	0.65	0.74	0.83	Max. compression	: 84 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
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	Date
Performed by				
Checked by			Page	Revision
Date	15/01/2024		1 / 2	

# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

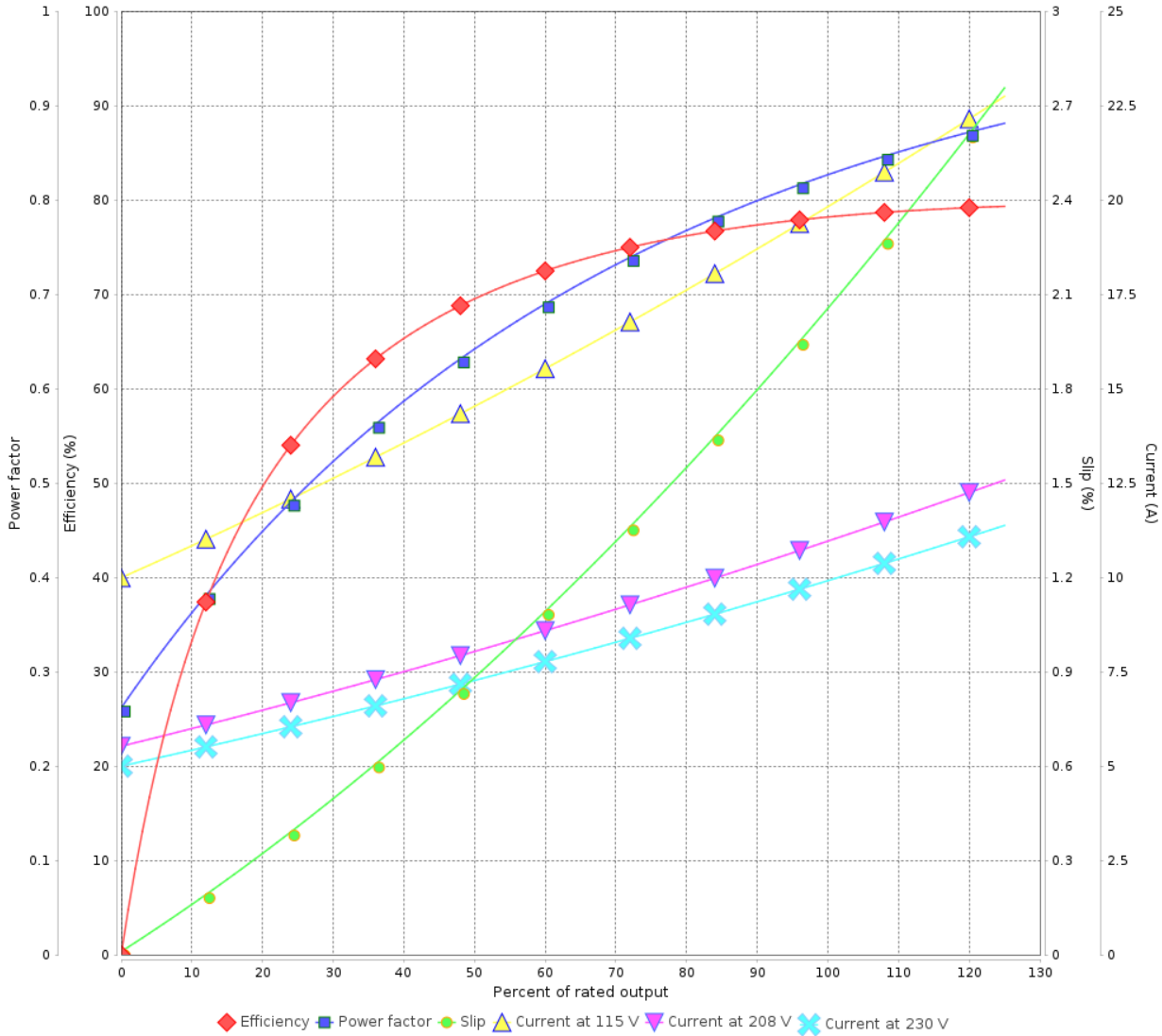


Customer :

Product line : General Single-Phase

Product code : 12532729

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 6P

Rated current : 20.2/10.5-10.1 A  
 LRC : 7.2  
 Rated torque : 1.24 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 250 %  
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.0220 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	15/01/2024			