

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W22 Single-Phase		Product code : 15808613		
Frame	: 213/5T	Locked rotor time	: 10s (cold) 6s (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	: 18.6/9.40-9.31 A	Protection degree	: IP55	
L. R. Amperes	: 151/76.1-75.4 A	Cooling method	: IC411 - TEFC	
LRC	: 8.1x(Code K)	Mounting	: F-1	
No load current	: 9.20/3.97-4.60 A	Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1175 rpm	Noise level <sup>2</sup>	: 63.0 dB(A)	
Slip	: 2.08 %	Starting method	: Direct On Line	
Rated torque	: 1.24 kgfm	Approx. weight <sup>3</sup>	: 62.7 kg	
Locked rotor torque	: 185 %			
Breakdown torque	: 229 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.0443 kgm <sup>2</sup>			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	65.0	73.0	77.0	Max. traction : 21 kgf
Power Factor	0.82	0.88	0.91	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
Performed by				
Checked by				
Date	22/10/2023		Page	Revision
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# LOAD PERFORMANCE CURVE

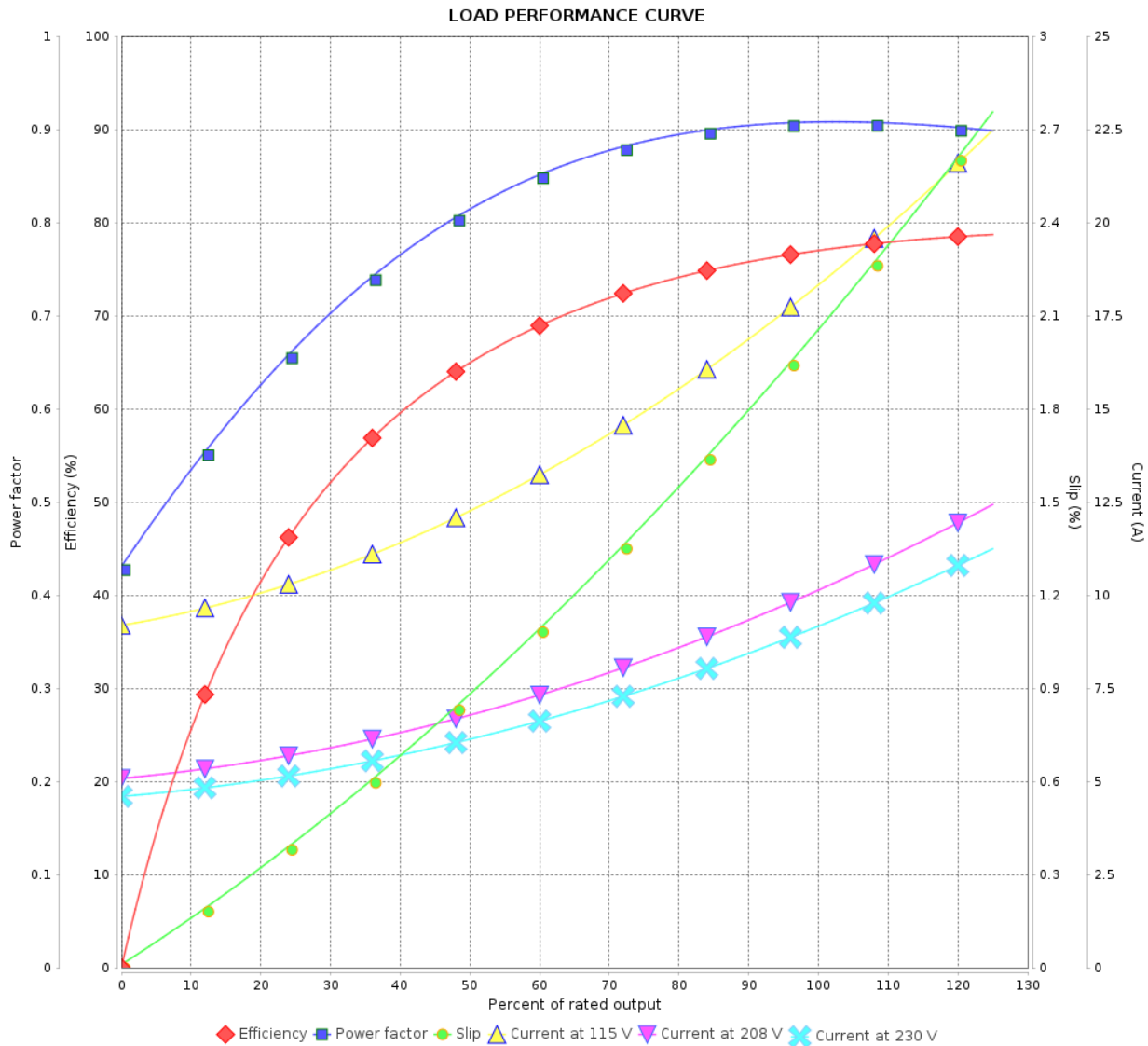
Single Phase Induction Motor - Squirrel Cage



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

Product line : W22 Single-Phase

Product code : 15808613



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

Rated current : 18.6/9.40-9.31 A  
 LRC : 8.1  
 Rated torque : 1.24 kgfm  
 Locked rotor torque : 185 %  
 Breakdown torque : 229 %  
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.0443 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
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