

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14775795			
Frame	: 143/5TC	Locked rotor time	: 18s (cold) 10s (hot)		
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K		
Poles	: 2	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	: 13.6/7.30-6.80 A	Protection degree	: IP55		
L. R. Amperes	: 99.3/53.3-49.6 A	Cooling method	: IC411 - TEFC		
LRC	: 7.3x(Code J)	Mounting	: F-1		
No load current	: 3.80/1.64-1.90 A	Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 3520 rpm	Noise level <sup>2</sup>	: 69.0 dB(A)		
Slip	: 2.22 %	Starting method	: Direct On Line		
Rated torque	: 0.309 kgfm	Approx. weight <sup>3</sup>	: 27.6 kg		
Locked rotor torque	: 229 %				
Breakdown torque	: 240 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0020 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	67.0	72.0	74.0	Max. traction : 7 kgf	
Power Factor	0.91	0.94	0.95	Max. compression : 35 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6205 ZZ		6203 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

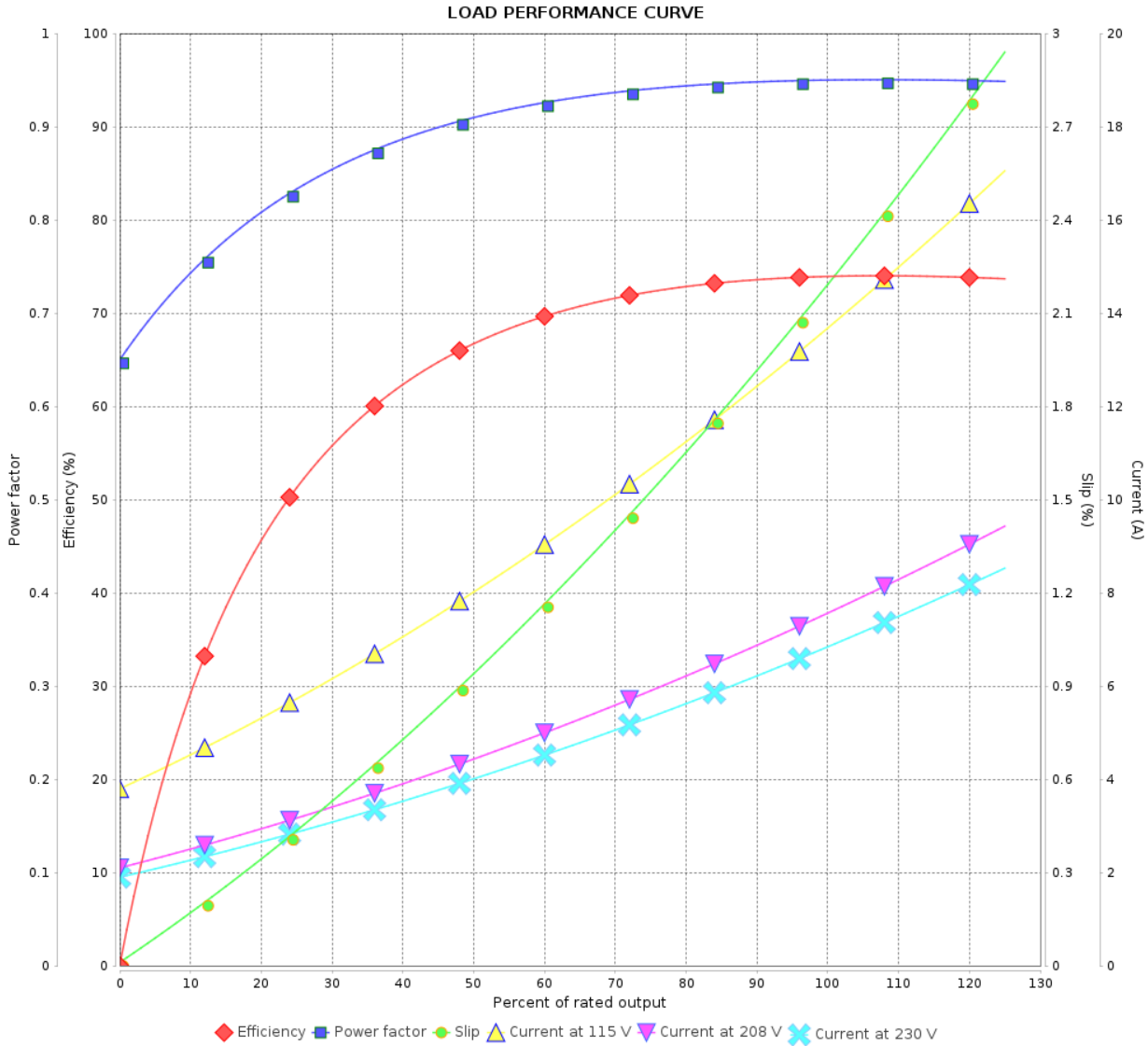
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 14775795



Performance : 115/208-230 V 60 Hz 2P

Rated current : 13.6/7.30-6.80 A  
 LRC : 7.3  
 Rated torque : 0.309 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 240 %  
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0020 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			