

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : General Single-Phase		Product code : 12235450			
Frame	: G143/5TC	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 3 HP (2.2 kW)	Temperature rise	: 105 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	: 26.0/14.0-13.0 A	Protection degree	: IP55		
L. R. Amperes	: 203/109-101 A	Cooling method	: IC411 - TEFC		
LRC	: 7.8x(Code J)	Mounting	: F-1		
No load current	: 9.00/3.88-4.50 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3480 rpm	Noise level ²	: 60.0 dB(A)		
Slip	: 3.33 %	Starting method	: Direct On Line		
Rated torque	: 0.626 kgfm	Approx. weight ³	: 25.9 kg		
Locked rotor torque	: 250 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0040 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	75.0	79.0	80.0	Max. traction : 31 kgf	
Power Factor	0.82	0.90	0.93	Max. compression : 57 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6205 ZZ		6203 ZZ	
Sealing	:	Oil Seal		Oil Seal	
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	14/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

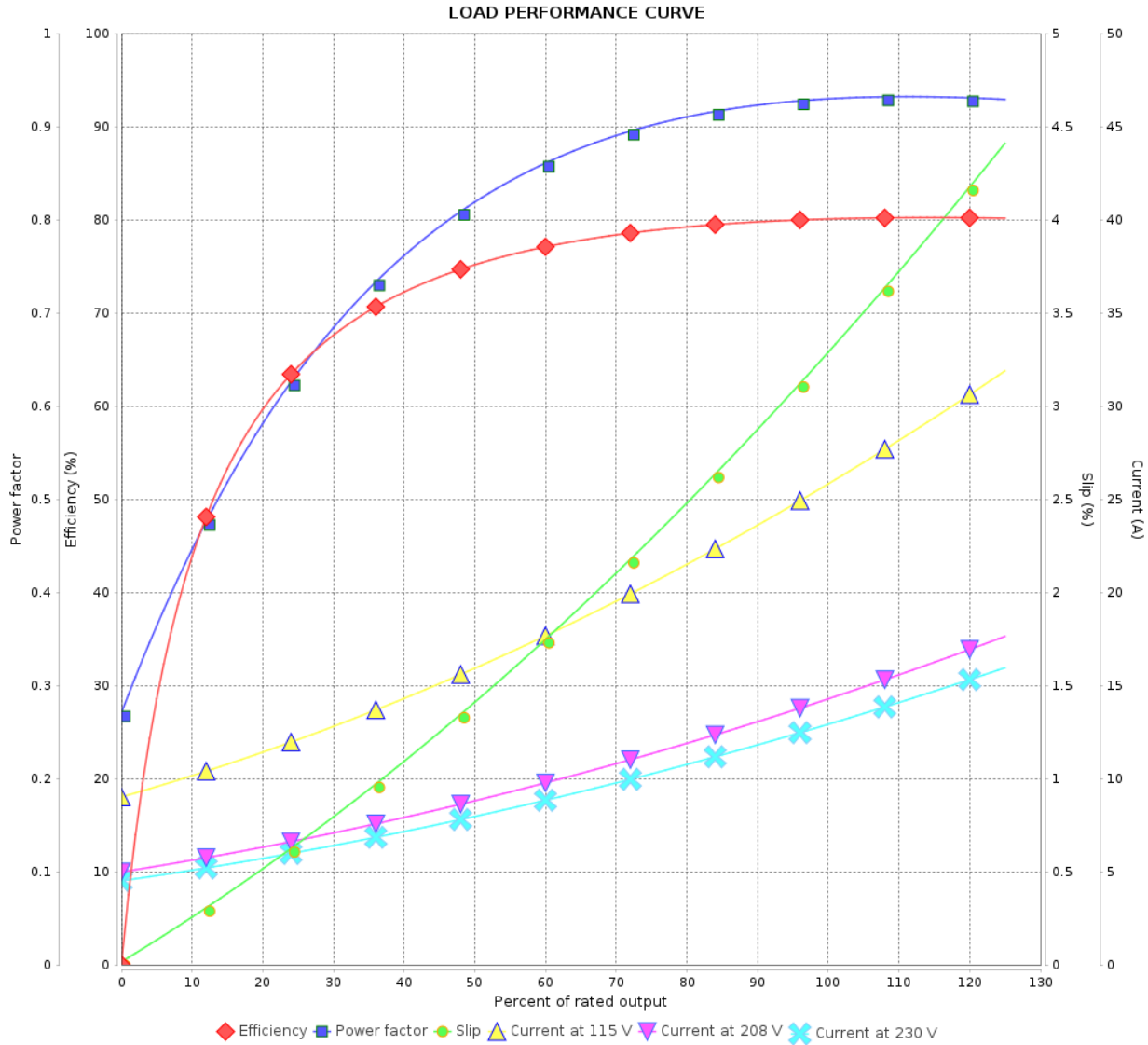
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General Single-Phase

Product code : 12235450



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

Rated current : 26.0/14.0-13.0 A
 LRC : 7.8
 Rated torque : 0.626 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 250 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0040 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 105 K

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