

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : General Single-Phase		Product code : 10566740			
Frame	: F56H	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 2 HP (1.5 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	: 20.0/10.6-10.0 A	Protection degree	: IP55		
L. R. Amperes	: 140/74.2-70.0 A	Cooling method	: IC411 - TEFC		
LRC	: 7.0x(Code K)	Mounting	: F-1		
No load current	: 9.00/3.88-4.50 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3470 rpm	Noise level ²	: 55.0 dB(A)		
Slip	: 3.61 %	Starting method	: Direct On Line		
Rated torque	: 0.418 kgfm	Approx. weight ³	: 19.6 kg		
Locked rotor torque	: 250 %				
Breakdown torque	: 240 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0033 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	69.0	73.0	74.0	Max. traction : 22 kgf	
Power Factor	0.72	0.81	0.87	Max. compression : 42 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6204 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
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Date	15/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

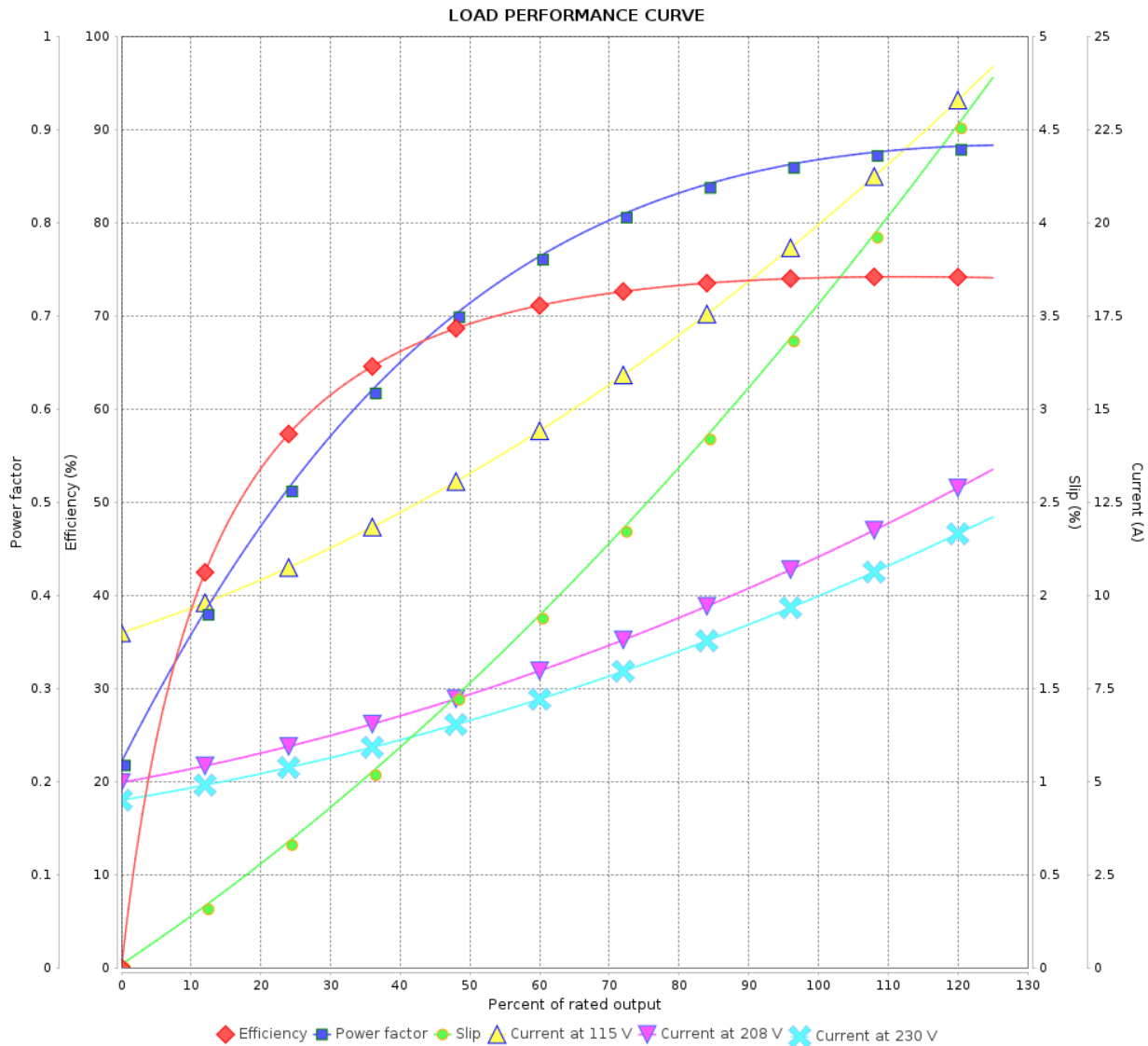
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General Single-Phase

Product code : 10566740



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

Rated current : 20.0/10.6-10.0 A
 LRC : 7.0
 Rated torque : 0.418 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 240 %
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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