

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 00022 Single-Phase		Product code : 14672950			
Frame	: 213/5TC	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 31.7 A	Protection degree	: IP55		
L. R. Amperes	: 244 A	Cooling method	: IC411 - TEFC		
LRC	: 7.7x(Code J)	Mounting	: F-1		
No load current	: 12.8 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1750 rpm	Noise level ²	: 63.0 dB(A)		
Slip	: 2.78 %	Starting method	: Direct On Line		
Rated torque	: 3.11 kgfm	Approx. weight ³	: 83.2 kg		
Locked rotor torque	: 370 %				
Breakdown torque	: 260 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0457 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	75.6	81.0	83.0	Max. traction : 108 kgf	
Power Factor	0.82	0.88	0.91	Max. compression : 191 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6308 2RS		6206 2RS	
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.		
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LOAD PERFORMANCE CURVE

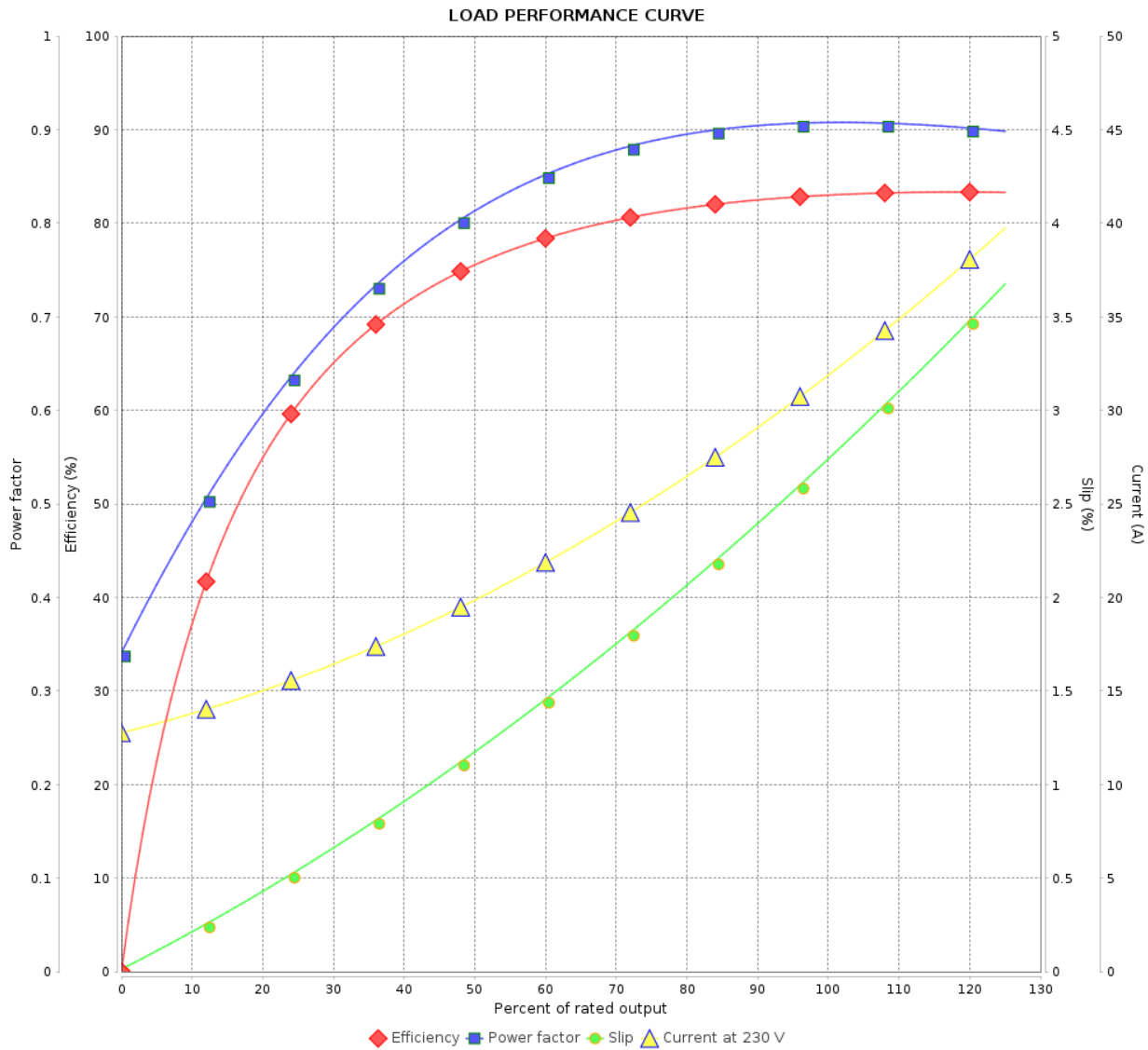
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 00022 Single-Phase

Product code : 14672950



Performance : 230 V 60 Hz 4P

Rated current : 31.7 A
 LRC : 7.7
 Rated torque : 3.11 kgfm
 Locked rotor torque : 370 %
 Breakdown torque : 260 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0457 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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