

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14076181			
Frame	: 182/4T	Locked rotor time	: 14s (cold) 8s (hot)		
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K		
Poles	: 4	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	: 30.2/15.7-15.1 A	Protection degree	: IP55		
L. R. Amperes	: 208/108-104 A	Cooling method	: IC411 - TEFC		
LRC	: 6.9x(Code J)	Mounting	: F-1		
No load current	: 18.0/7.76-9.00 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1745 rpm	Noise level ²	: 60.0 dB(A)		
Slip	: 3.06 %	Starting method	: Direct On Line		
Rated torque	: 1.25 kgfm	Approx. weight ³	: 48.1 kg		
Locked rotor torque	: 290 %				
Breakdown torque	: 270 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0157 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	65.0	74.0	77.0	Max. traction : 46 kgf	
Power Factor	0.74	0.80	0.82	Max. compression : 94 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6207 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.		
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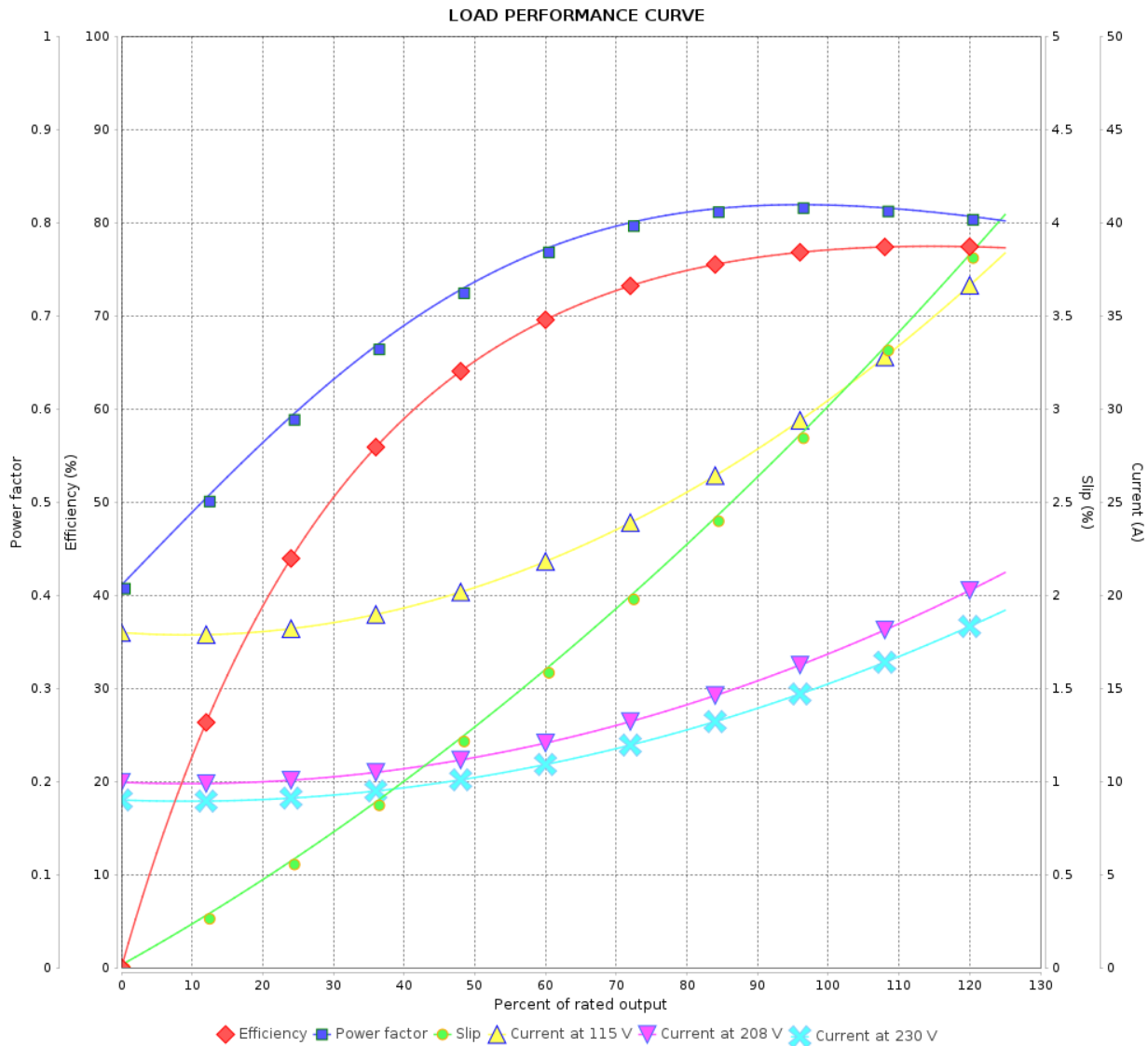
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 14076181



Performance : 115/208-230 V 60 Hz 4P

Rated current : 30.2/15.7-15.1 A
 LRC : 6.9
 Rated torque : 1.25 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 270 %
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0157 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

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