

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Single-Phase			
Product code :	13905941			
Frame	: 56			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: N			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 16.0 kg			
Moment of inertia (J)	: 0.0052 kgm ²			
Output [HP]	0.5			
Poles	6			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	6.40/3.54-3.20			
L. R. Amperes [A]	42.2/23.4-21.1			
LRC [A]	6.6x(Code L)			
No load current [A]	4.40/1.90-2.20			
Rated speed [RPM]	1170			
Slip [%]	2.50			
Rated torque [kgfm]	0.310			
Locked rotor torque [%]	240			
Breakdown torque [%]	260			
Service factor				
Temperature rise	80 K			
Locked rotor time	32s (cold) 18s (hot)			
Noise level ²	54.0 dB(A)			
Efficiency (%)	25%			
	50%	54.0		
	75%	63.0		
	100%	67.0		
Power Factor	25%			
	50%	0.58		
	75%	0.67		
	100%	0.72		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 17 kgf			
	Max. compression : 33 kgf			
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

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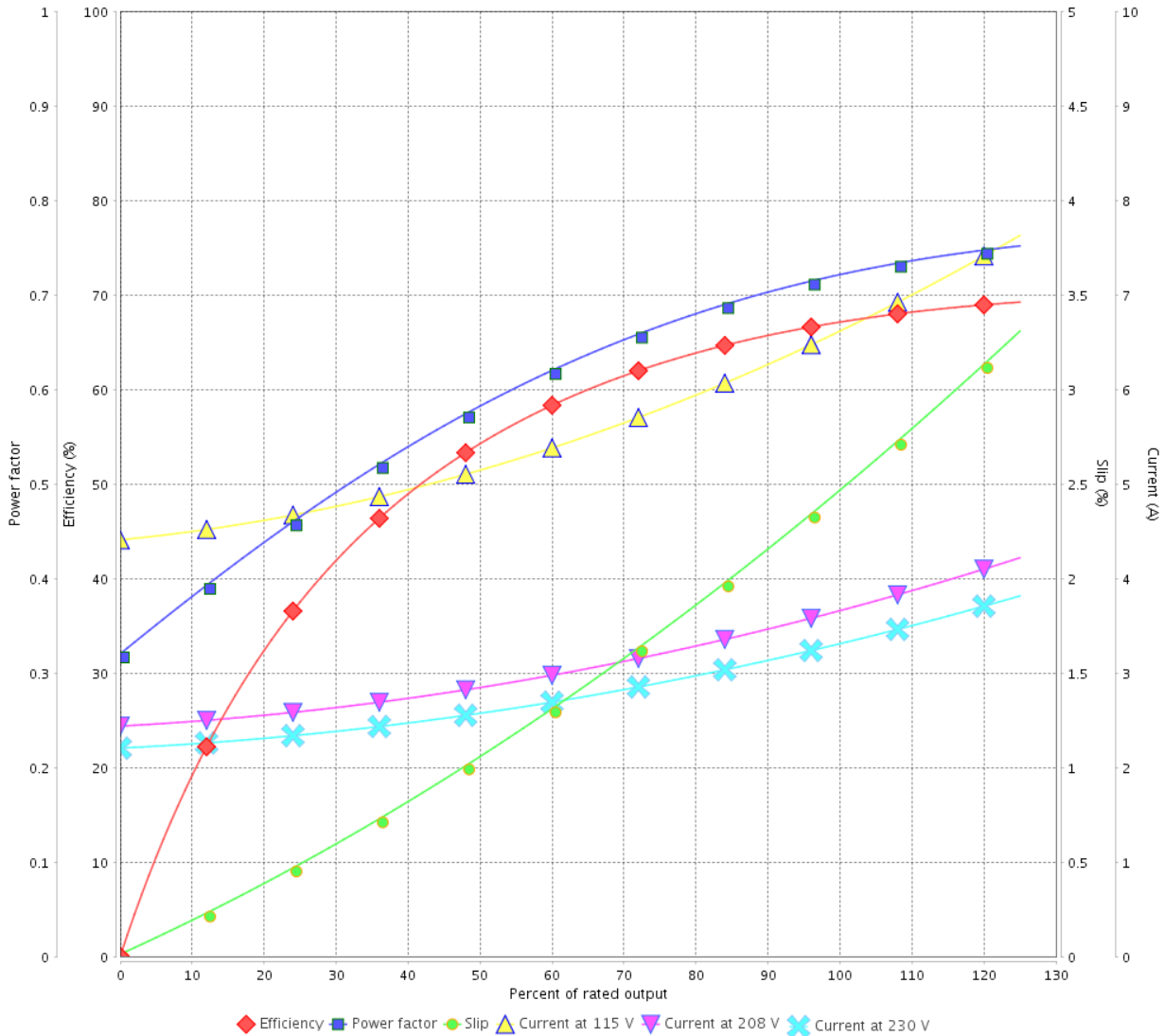


Customer :

Product line : Single-Phase

Product code : 13905941

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 6P

Rated current : 6.40/3.54-3.20 A
 LRC : 6.6
 Rated torque : 0.310 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 1170 rpm

Moment of inertia (J) : 0.0052 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

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