

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line		: Compressor Duty Single-Phase		Product code : 10932866
Frame	: D56		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	: 22.0/12.0-11.0 A		Protection degree	: IP21
L. R. Amperes	: 125/68.4-62.7 A		Cooling method	: IC01 - ODP
LRC	: 5.7x(Code J)		Mounting	: F-1
No load current	: 11.0/4.74-5.50 A		Rotation ¹	: Both (CW and CCW)
Rated speed	: 3440 rpm		Starting method	: Direct On Line
Slip	: 4.44 %		Approx. weight ³	: 17.3 kg
Rated torque	: 0.422 kgfm			
Locked rotor torque	: 210 %			
Breakdown torque	: 190 %			
Insulation class	: B			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0021 kgm ²			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	67.0	70.0	70.0	Max. traction : 18 kgf
Power Factor	0.67	0.77	0.84	Max. compression : 33 kgf
		<u>Drive end</u>	<u>Non drive end</u>	
Bearing type	:	6204 ZZ	6203 ZZ	
Sealing	:	Without Bearing Seal	Without Bearing 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
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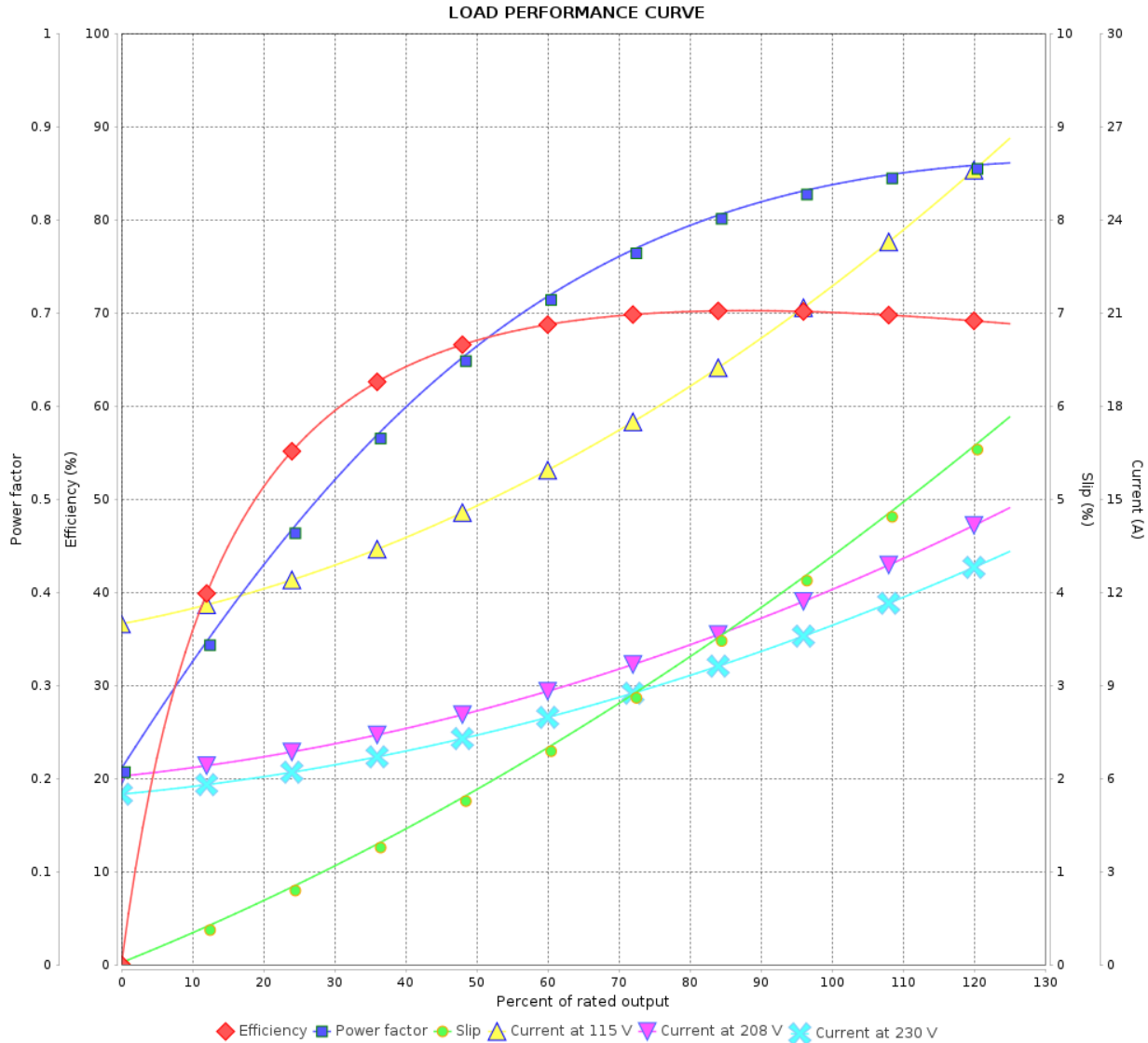
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Compressor Duty Single-Phase Product code : 10932866



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

Rated current : 22.0/12.0-11.0 A
 LRC : 5.7
 Rated torque : 0.422 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 190 %
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0021 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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