

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Explosion Proof Single-Phase			Product code : 10963957		
Frame	: D56EX		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 1 HP (0.75 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	: 11.4/6.00-5.70 A		Protection degree	: IP44	
L. R. Amperes	: 61.6/32.4-30.8 A		Cooling method	: IC411 - TEFC	
LRC	: 5.4x(Code H)		Mounting	: F-1	
No load current	: 6.50/2.80-3.25 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1740 rpm		Noise level ²	: 55.0 dB(A)	
Slip	: 3.33 %		Starting method	: Direct On Line	
Rated torque	: 0.417 kgfm		Approx. weight ³	: 20.2 kg	
Locked rotor torque	: 190 %				
Breakdown torque	: 210 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0060 kgm ²				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	72.1	74.7	74.9	Max. traction : 18 kgf	
Power Factor	0.56	0.68	0.75	Max. compression : 38 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6203 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	Date
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Date	15/01/2024			1 / 2	

LOAD PERFORMANCE CURVE

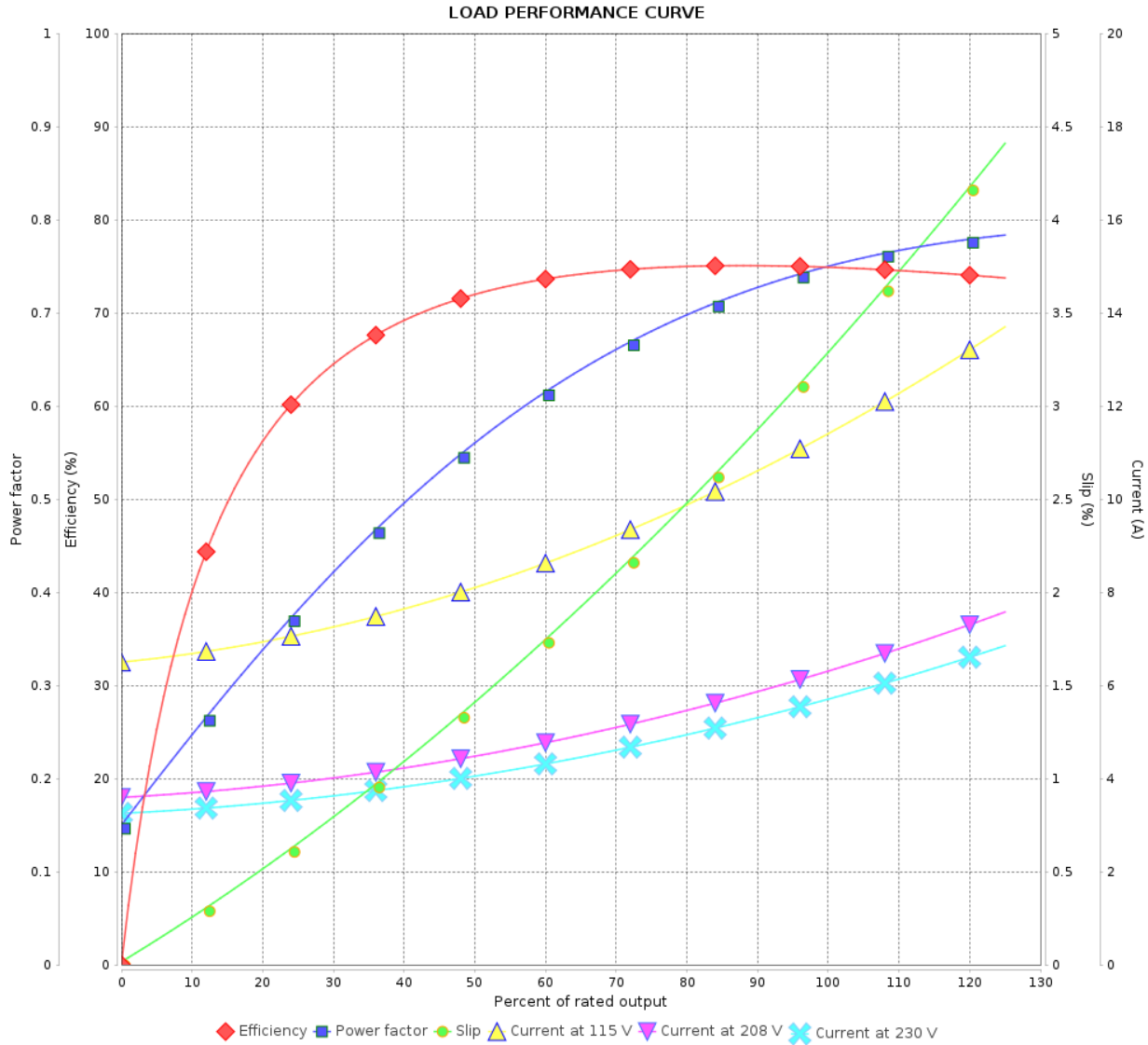
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Explosion Proof Single-Phase

Product code : 10963957



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

Rated current : 11.4/6.00-5.70 A
 LRC : 5.4
 Rated torque : 0.417 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 210 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0060 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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