

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Explosion Proof Single-Phase		Product code : 10741532			
Frame	: D56EX		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.75 HP (0.550 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	: 11.0/5.40-5.50 A		Protection degree	: IP44	
L. R. Amperes	: 70.4/34.6-35.2 A		Cooling method	: IC411 - TEFC	
LRC	: 6.4x(Code M)		Mounting	: F-1	
No load current	: 8.40/3.62-4.20 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1760 rpm		Noise level <sup>2</sup>	: 50.0 dB(A)	
Slip	: 2.22 %		Starting method	: Direct On Line	
Rated torque	: 0.309 kgfm		Approx. weight <sup>3</sup>	: 19.1 kg	
Locked rotor torque	: 320 %				
Breakdown torque	: 300 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0053 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	57.0	65.0	71.5	Max. traction : 20 kgf	
Power Factor	0.42	0.53	0.61	Max. compression : 39 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.		
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# LOAD PERFORMANCE CURVE

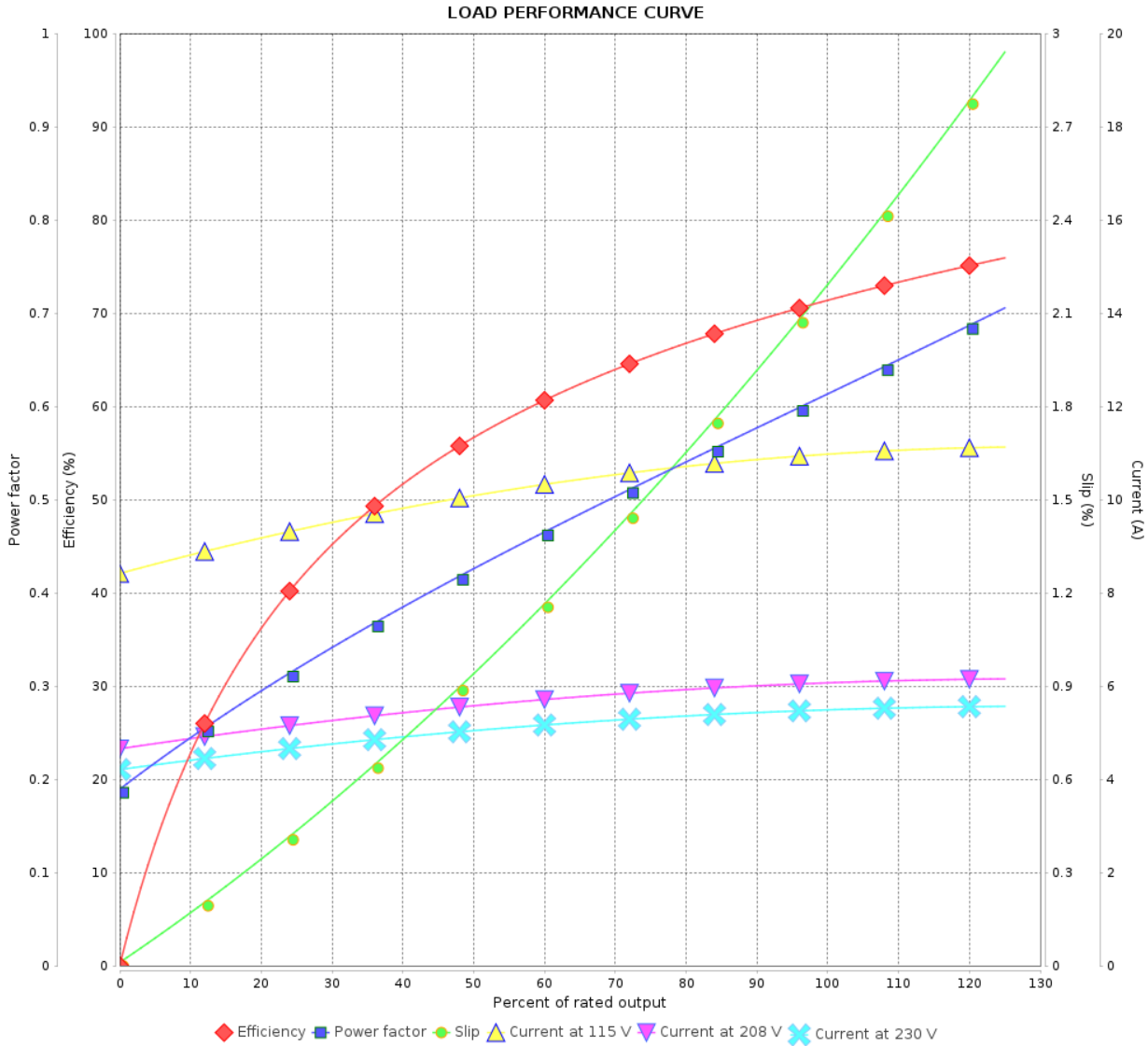
Single Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Explosion Proof Single-Phase

Product code : 10741532



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

Rated current : 11.0/5.40-5.50 A  
 LRC : 6.4  
 Rated torque : 0.309 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 300 %  
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0053 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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