

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Explosion Proof Single-Phase		Product code : 11260289	
Frame	: A56CEX		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.33 HP (0.25 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	: 6.50/3.00-3.25 A		Protection degree	: IP44	
L. R. Amperes	: 35.1/16.2-17.6 A		Cooling method	: IC411 - TEFC	
LRC	: 5.4x(Code N)		Mounting	: F-1	
No load current	: 5.95/2.56-2.98 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1755 rpm		Starting method	: Direct On Line	
Slip	: 2.50 %		Approx. weight <sup>3</sup>	: 15.2 kg	
Rated torque	: 0.136 kgfm				
Locked rotor torque	: 310 %				
Breakdown torque	: 290 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0034 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	46.5	55.2	60.2	Max. traction : 5 kgf	
Power Factor	0.39	0.48	0.54	Max. compression : 20 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					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
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Date	26/10/2024			1 / 2	

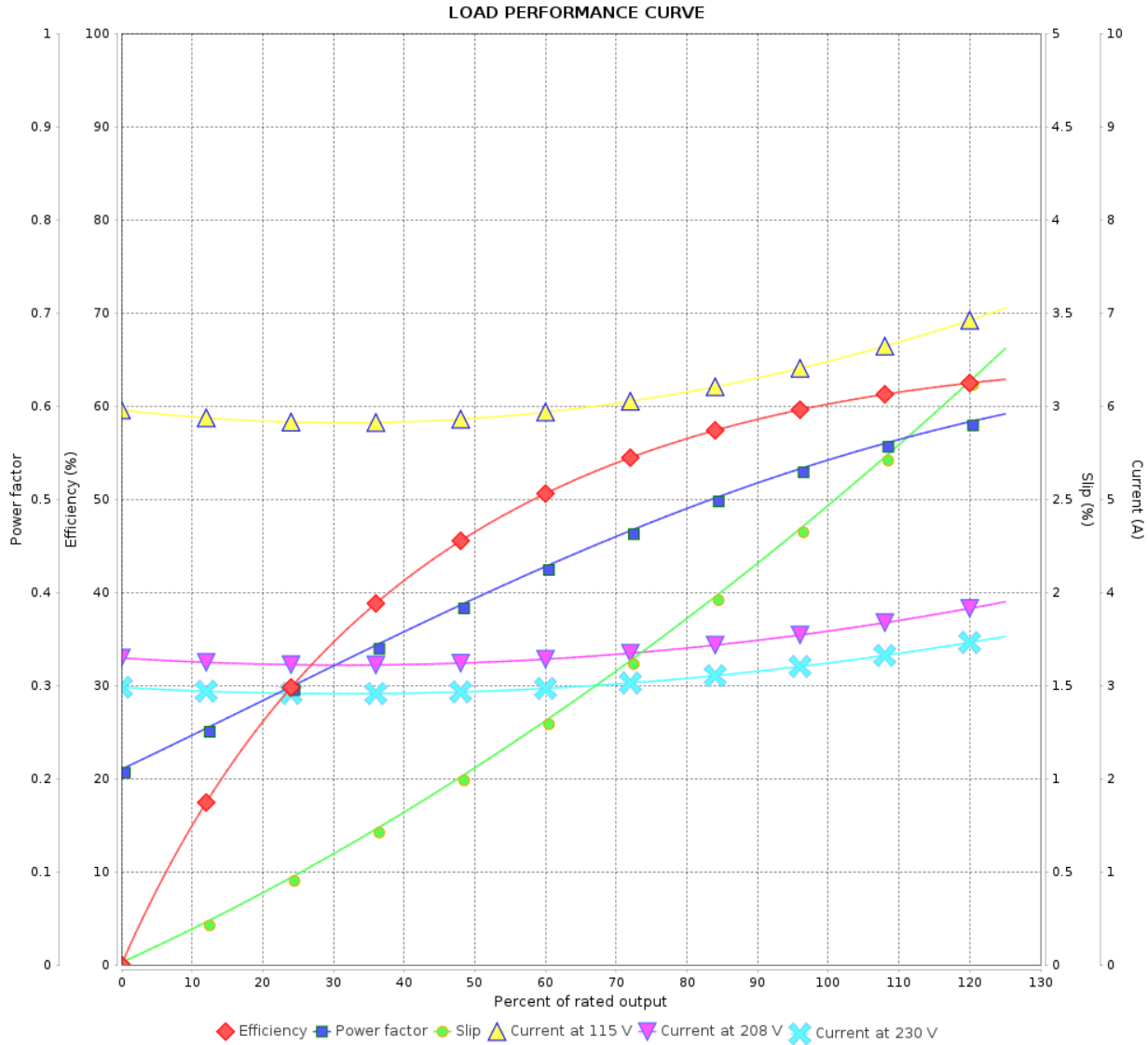
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



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

Product line : Explosion Proof Single-Phase      Product code : 11260289



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

Rated current : 6.50/3.00-3.25 A  
 LRC : 5.4  
 Rated torque : 0.136 kgfm  
 Locked rotor torque : 310 %  
 Breakdown torque : 290 %  
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0034 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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