

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :				
Product line		: Compressor Duty Single-Phase		Product code : 11129592
Frame	: G56HC		Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 kW)		Temperature rise	: 105 K
Poles	: 2		Duty cycle	: Cont.(S1)
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V		Altitude	: 1000 m.a.s.l.
Rated current	: 19.1 A		Protection degree	: IP21
L. R. Amperes	: 124 A		Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)		Mounting	: F-1
No load current	: 3.70 A		Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3455 rpm		Starting method	: Direct On Line
Slip	: 4.03 %		Approx. weight <sup>3</sup>	: 24.0 kg
Rated torque	: 1.05 kgfm			
Locked rotor torque	: 220 %			
Breakdown torque	: 200 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0030 kgm <sup>2</sup>			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	83.0	85.0	85.0	Max. traction : 55 kgf
Power Factor	0.99	0.99	0.99	Max. compression : 79 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
Performed by				
Checked by				
Date	10/07/2026		Page	Revision
			1 / 2	

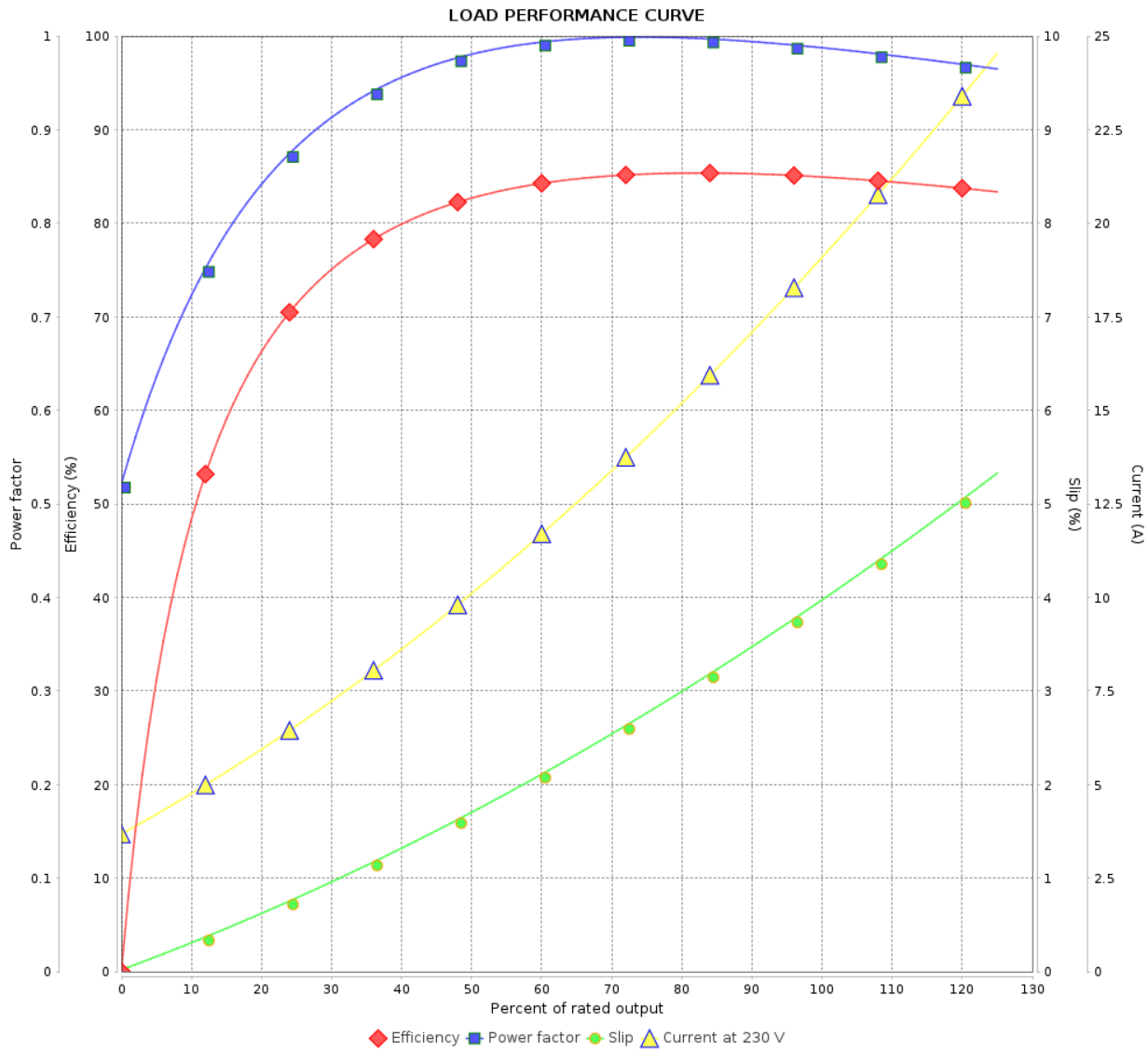
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



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

Product line : Compressor Duty Single-Phase      Product code : 11129592



Performance : 230 V 60 Hz 2P

Rated current : 19.1 A  
 LRC : 6.5  
 Rated torque : 1.05 kgfm  
 Locked rotor torque : 220 %  
 Breakdown torque : 200 %  
 Rated speed : 3455 rpm

Moment of inertia (J) : 0.0030 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 105 K

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Performed by			Page 2 / 2	Revision
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