

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 10795746

Frame : G143/5TC  
Output : 2 HP (1.5 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 115/208-230 V  
Rated current : 20.0/10.6-10.0 A  
L. R. Amperes : 140/74.2-70.0 A  
LRC : 7.0x(Code K)  
No load current : 9.00/3.88-4.50 A  
Rated speed : 3470 rpm  
Slip : 3.61 %  
Rated torque : 0.418 kgfm  
Locked rotor torque : 250 %  
Breakdown torque : 240 %  
Insulation class : B  
Service factor : 1.15  
Moment of inertia (J) : 0.0033 kgm<sup>2</sup>

Locked rotor time : 10s (cold) 6s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 21.9 kg

Output	50%	75%	100%
Efficiency (%)	69.0	73.0	74.0
Power Factor	0.72	0.81	0.87

Foundation loads  
Max. traction : 17 kgf  
Max. compression : 39 kgf

	Drive end	Non drive end
Bearing type	6205 ZZ	6203 ZZ
Sealing	V'Ring	V'Ring
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
Performed by				
Checked by			Page	Revision
Date	14/01/2024		1 / 2	

# LOAD PERFORMANCE CURVE

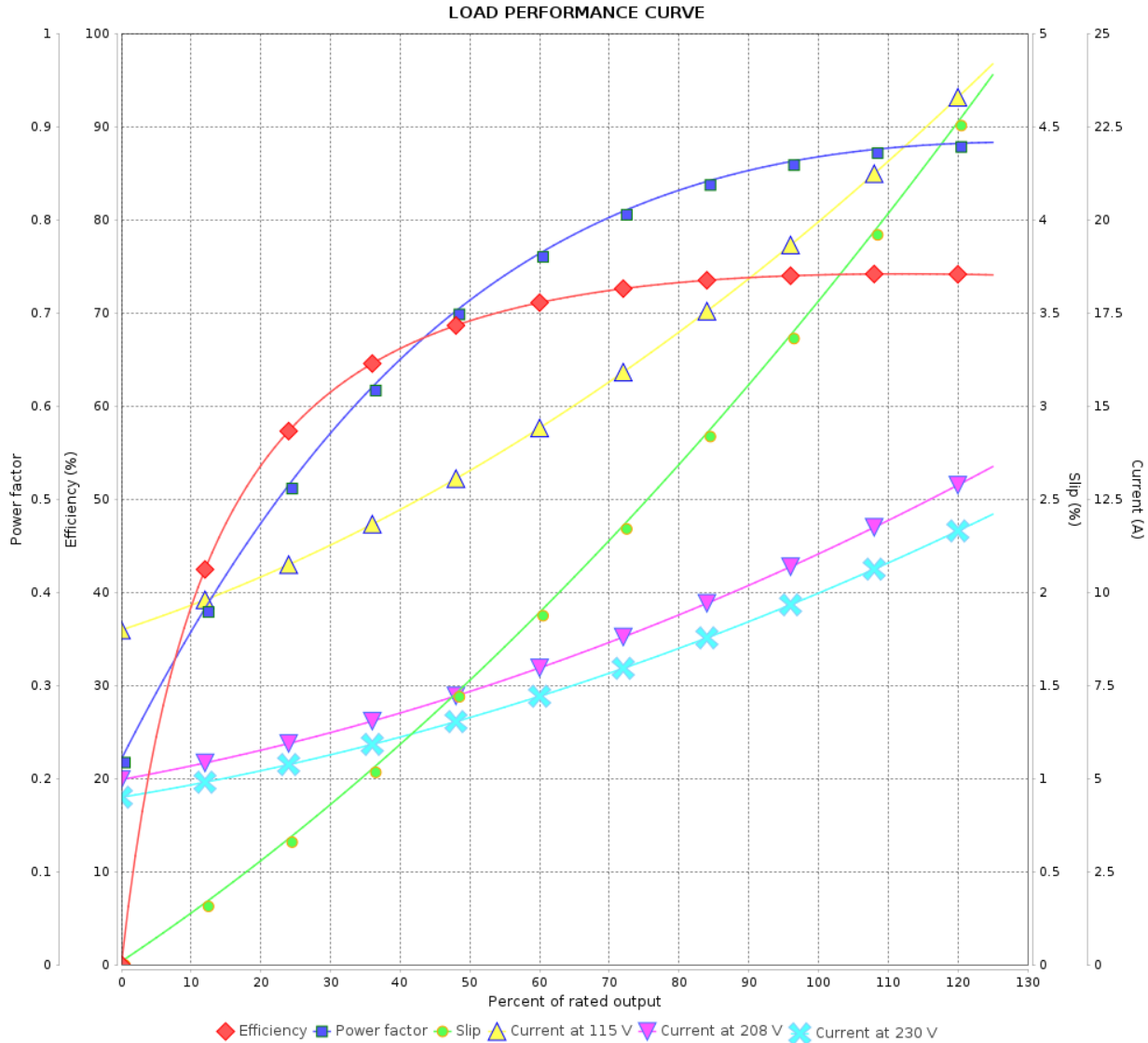
Single Phase Induction Motor - Squirrel Cage



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

Product line : General Single-Phase

Product code : 10795746



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

Rated current : 20.0/10.6-10.0 A  
 LRC : 7.0  
 Rated torque : 0.418 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 240 %  
 Rated speed : 3470 rpm

Moment of inertia (J) : 0.0033 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				