DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Drive end

6205-ZZ

MOBIL POLYREX EM

Non drive end

6204-ZZ



Customer : GOL PUMP TECHNOLOGY, INC. Product line : IE3 Premium Efficiency Alumínio Multi Montagem Tru Metric : 90S/L Locked rotor time Frame : 14 s (hot) 25 s (cold) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles : 4 Duty cycle : S1 Ambient temperature : -20 °C to +40 °C Frequency : 60 Hz Rated voltage : 230/460 V Altitude : 3280 ft Rated current : 5.66/2.83 A Protection degree : IP55 L. R. Amperes Cooling method : IC411 - TEFC : 47.0/23.5 A LRC Mounting : 8.3 Code L : B35T Rotation¹ No load current : 3.10/1.55 A : Both Rated speed : 1755 rpm Noise level² : 49.0 dB(A) Slip : 2.50 % Vibration class : A Rated torque : 8.11 Nm Starting method : Direct On Line Locked rotor torque : 300 % Coupling : Direct Pull up torque : 255 % Approx. weight3 : 43.0 lb : 350 % : 207N Breakdown torque Painting plan Insulation class Color : RAL 5009 : F Service factor : 1.25 Design : N Moment of inertia (J) : 0.1566 sq.ft.lb Output 50% 75% 100% Load type Efficiency (%) Load torque 82.5 85.5 86.5 : -Load inertia (J=GD²/4) Power Factor 0.55 0.68 0.77 : -

Foundation loads

Max. compression

Max. traction

Notes

Bearing type

Lubricant type

Lubrication interval

Lubricant amount

See notes on page 2.

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 be changed 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 IEC 60034-1.

: 704.8 N

: 896.1 N

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Rev.		Changes Summary	Rev.	Checked	Date
Performed by	johnson			12283	56928
Checked by	AUTOMATICO			Page	Rev.
Date	30/10/2021			1/5	0

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : GOL PUMP TECHNOLOGY, INC.

Product line : IE3 Premium Efficiency Alumínio Multi Montagem

Tru Metric

Thermal protection

IDApplicationTypeQuantitySensing Temperature1WindingThermistor - 2 wires1 x Phase155°C

Notes

Specification : MG1 - Part 10 Vibration : MG1 - Part 7
Test : MG1 - Part 12 Tolerance : MG1 - Part 12
Noise : MG1 - Part 9

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These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

Checked Rev. Rev. **Changes Summary** Date Performed by johnson 1228356928 Checked by **AUTOMATICO** Page Rev. 30/10/2021 2/5 Date 0

TORQUE AND CURRENT VS SPEED CURVE

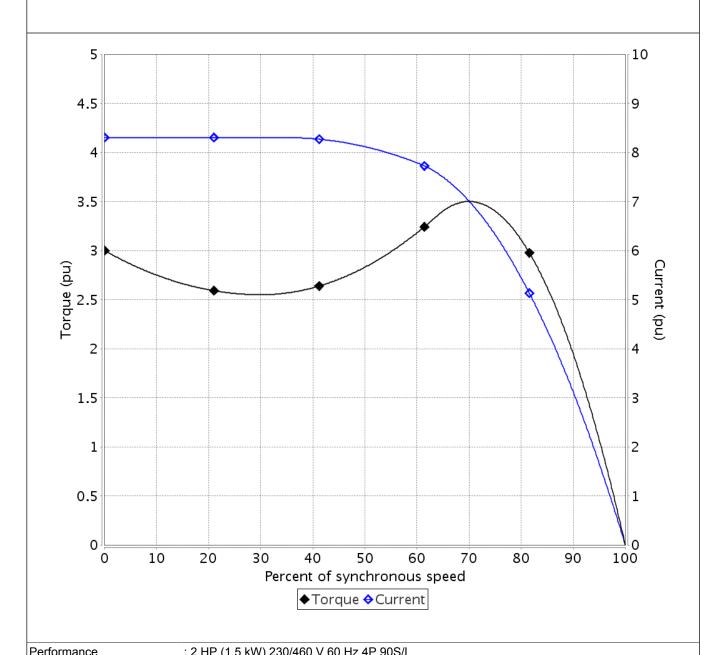
Three Phase Induction Motor - Squirrel Cage



Customer : GOL PUMP TECHNOLOGY, INC.

Product line : IE3 Premium Efficiency Alumínio Multi Montagem

Tru Metric



Criomianos	. 2 TH (1.0 KW) 200/400 V 00 TIZ	41 000/E	
Rated current	: 5.66/2.83 A	Moment of inertia (J)	: 0.1566 sq.ft.lb

: 8.3 Code L : S1 LRC Duty cycle : 8.11 Nm : F Rated torque Insulation class : 300 % : 1.25 Locked rotor torque Service factor : 350 % : 80 K Temperature rise Breakdown torque : 1755 rpm : N Rated speed Design

Locked rotor time 100% : 14 s (hot) 25 s (cold)

Load inertia (J=GD²/4) : 0.1566 sq.ft.lb

Load incida (5–C	1 -1 1-1					
Rev.	Changes Summary			Rev.	Checked	Date
Performed by	johnson	ı			1228356928	
Checked by	AUTOMATICO				Page	Rev.
Date	30/10/2021				3/5	0

LOAD PERFORMANCE CURVE

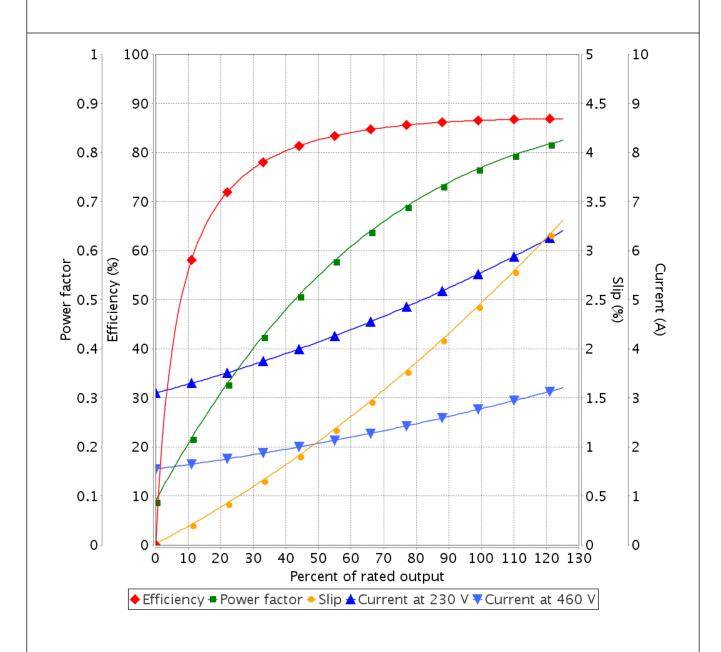
Three Phase Induction Motor - Squirrel Cage



Customer : GOL PUMP TECHNOLOGY, INC.

Product line : IE3 Premium Efficiency Alumínio Multi Montagem

Tru Metric



Performance	: 2 H	P (1.5 kW) 230/460 V 60	Hz 4P 90S/L			
Rated current : 5.66/2.83 A LRC : 8.3 Code L Rated torque : 8.11 Nm Locked rotor torque : 300 %		/2.83 A	Moment of inertia (J) Duty cycle Insulation class Service factor		: 0.1566 sq.ft.lb : S1 : F : 1.25	
		Code L				
		Nm				
		%				
Breakdown torque	e : 350	: 350 % : 1755 rpm		ure rise	: 80 K : N	
Rated speed	: 175					
Rev.		Changes Summary		Rev.	Checked	Date
Performed by	johnson					
Checked by					Page	Rev.
Date	30/10/2021				4/5	0

THERMAL LIMIT CURVE

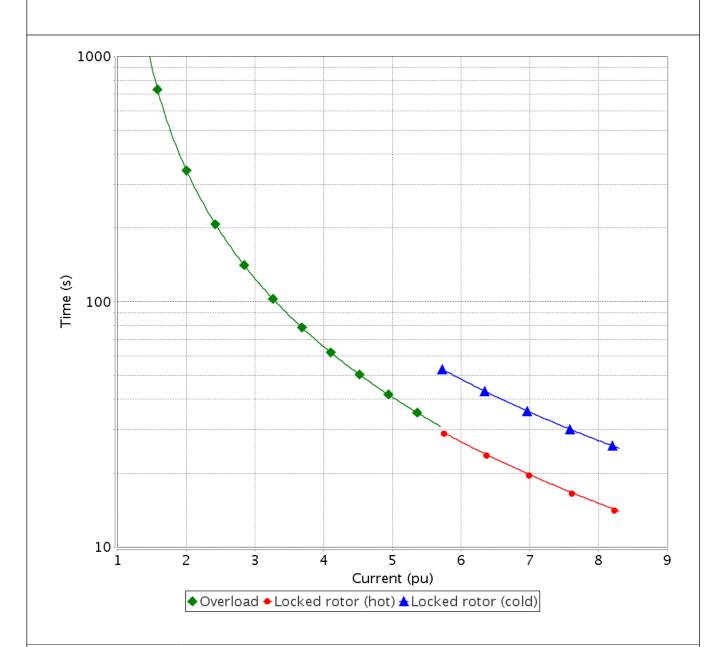
Three Phase Induction Motor - Squirrel Cage



Customer : GOL PUMP TECHNOLOGY, INC.

Product line : IE3 Premium Efficiency Alumínio Multi Montagem

Tru Metric



Performance : 2 HP (1.5 kW) 230/460 V 60 Hz 4P 90S/L

Rated current : 5.66/2.83 A Moment of inertia (J) : 0.1566 sq.ft.lb

: S1 : 8.3 Code L LRC Duty cycle : 8.11 Nm : F Rated torque Insulation class : 300 % : 1.25 Locked rotor torque Service factor : 350 % : 80 K Temperature rise Breakdown torque : 1755 rpm : N Rated speed Design

Heating constant : 16.6 min

Cooling constant : 49.8 min

Rev.		Changes Summary	Rev.	Checked	Date
Performed by	johnson				
Checked by				Page	Rev.
Date	30/10/2021			5/5	0

