

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Three-Phase Product code : 10812182

Frame	: E56C	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.24 A	Protection degree	: IP21
L. R. Amperes	: 8.06 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code K)	Mounting	: F-1
No load current	: 0.760 A	Rotation <sup>1</sup>	: CCW
Rated speed	: 3470 rpm	Starting method	: Direct On Line
Slip	: 3.61 %	Approx. weight <sup>3</sup>	: 10.2 kg
Rated torque	: 0.209 kgfm		
Locked rotor torque	: 260 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.40		
Moment of inertia (J)	: 0.0012 kgm <sup>2</sup>		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	66.5	72.0	74.0	Max. traction	: 13 kgf
Power Factor	0.62	0.73	0.81	Max. compression	: 24 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6203 2RS
Sealing	:	Slinger	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	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	24/10/2024			

# LOAD PERFORMANCE CURVE

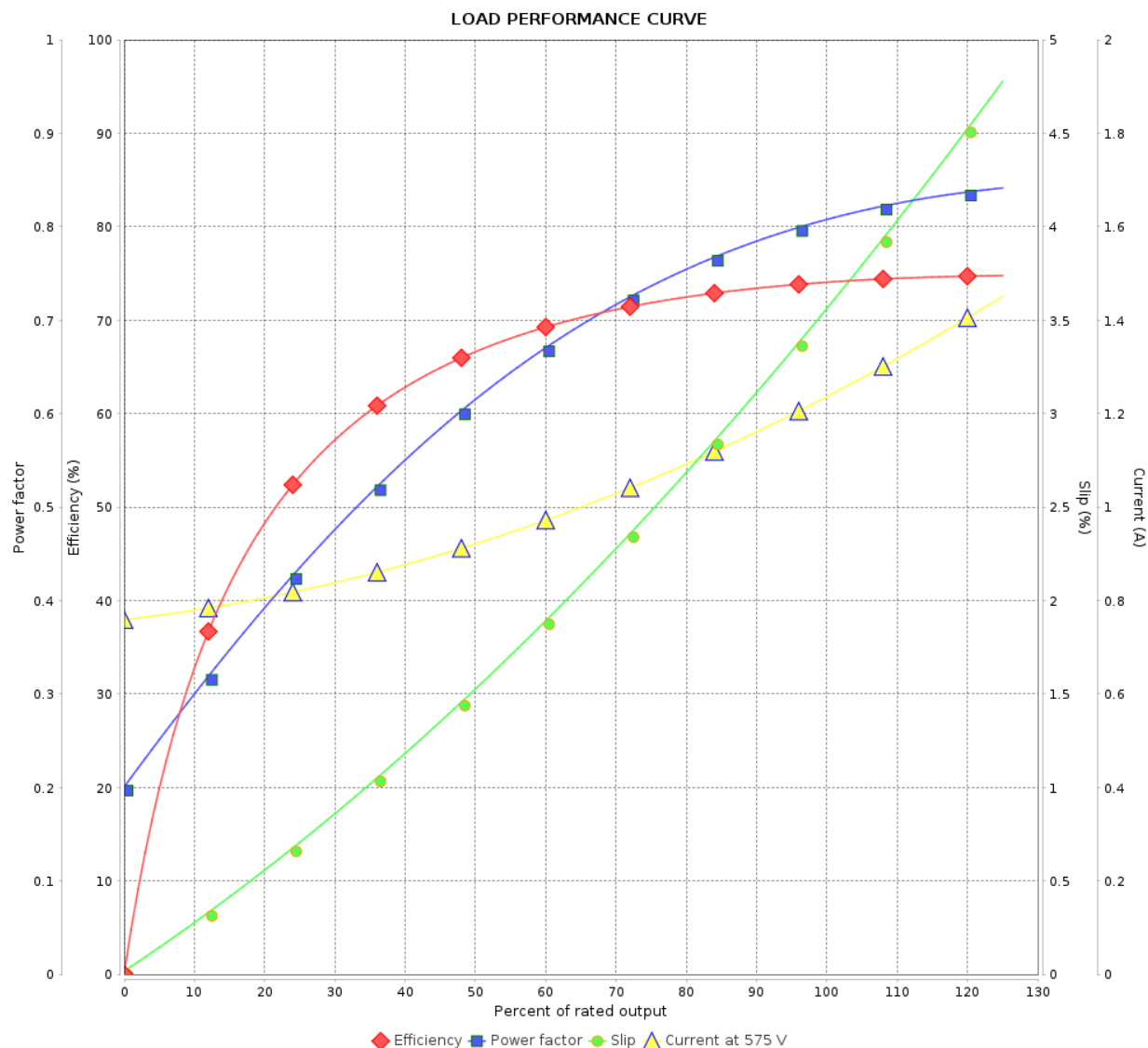
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Wjet Pump Three-Phase

Product code : 10812182



Performance : 575 V 60 Hz 2P

Rated current : 1.24 A  
LRC : 6.5  
Rated torque : 0.209 kgfm  
Locked rotor torque : 260 %  
Breakdown torque : 280 %  
Rated speed : 3470 rpm

Moment of inertia (J) : 0.0012 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : B  
Service factor : 1.40  
Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					

