

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase Product code : 13721660

Frame	: W56J	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6
Duty cycle	: Cont.(S1)	Rotation ¹	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 6.8 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0006 kgm ²

Output [HP]	0.25	0.25	0.25
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	1.01-0.912/0.456	0.986/0.493	0.907/0.481
L. R. Amperes [A]	7.47-6.75/3.37	5.92/2.96	6.17/3.27
LRC [A]	7.4x(Code M)	6.0x(Code J)	6.8x(Code L)
No load current [A]	0.497-0.576/0.288	0.560/0.280	0.596/0.316
Rated speed [RPM]	3460	2835	2865
Slip [%]	3.89	5.50	4.50
Rated torque [kgfm]	0.052	0.064	0.063
Locked rotor torque [%]	350	270	330
Breakdown torque [%]	400	300	370
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	54s (cold) 30s (hot)	54s (cold) 30s (hot)	46s (cold) 26s (hot)
Noise level ²	65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%		
	50%	55.0	61.5
	75%	62.0	67.7
	100%	66.0	70.2
Power Factor	25%		
	50%	0.60	0.64
	75%	0.70	0.75
	100%	0.75	0.79

Bearing type Sealing Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads Max. traction : 4 kgf Max. compression : 10 kgf
	6203 2RS	6202 2RS	
	V'Ring	V'Ring	
	-	-	
	-	-	
	Mobil Polyrex EM		

Notes
USABLE @208V SF 1.00

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 / 4 Revision		
Checked by				
Date	16/05/2022			

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Three Phase Induction Motor - Squirrel Cage



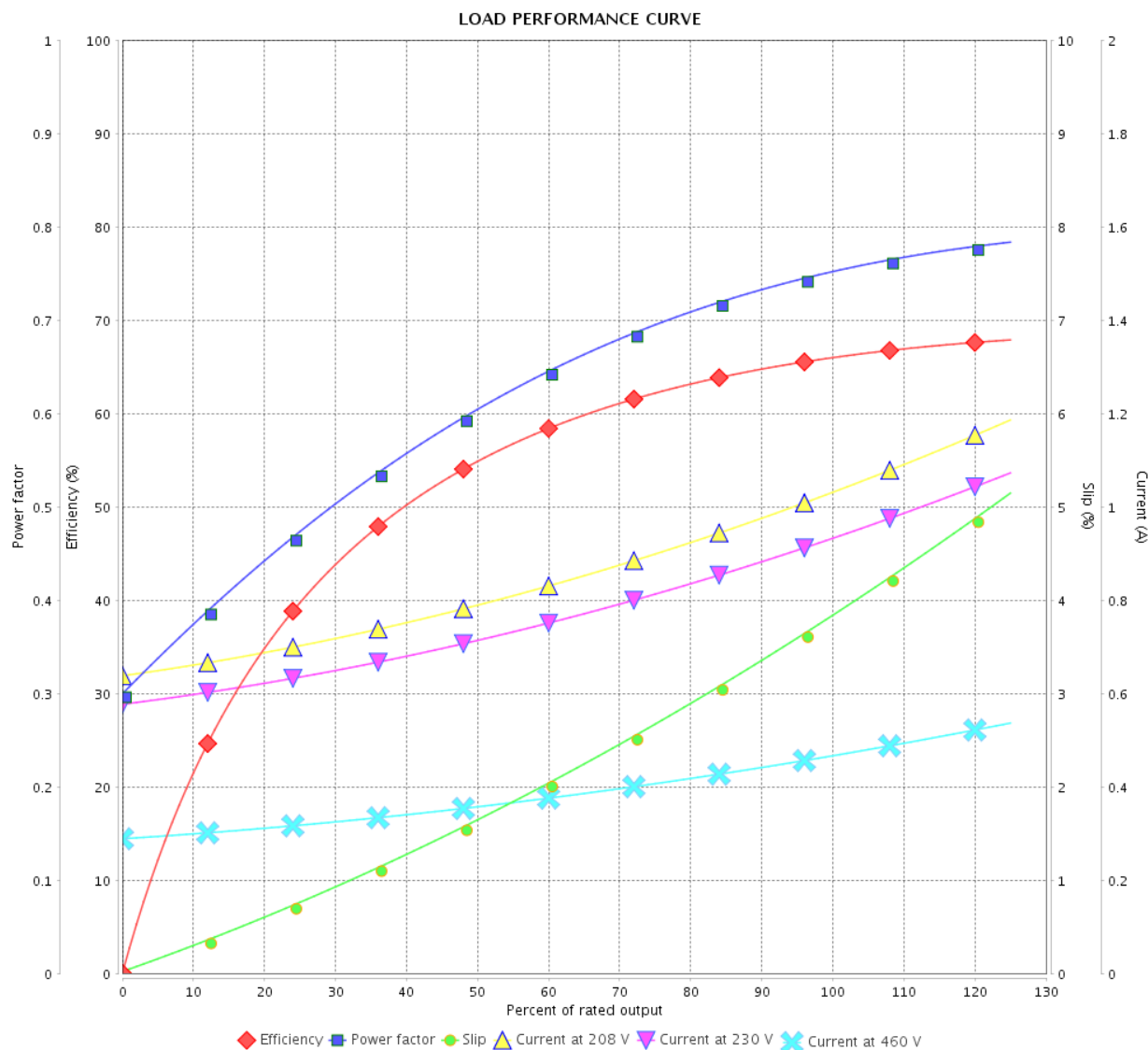
Customer :

Product line

: Jet Pump - J type Three-Phase

Product code :

13721660



Performance : 208-230/460 V 60 Hz 2P

Rated current : 1.01-0.912/0.456 A
 LRC : 7.4
 Rated torque : 0.052 kgfm
 Locked rotor torque : 350 %
 Breakdown torque : 400 %
 Rated speed : 3460 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 4	Revision
Checked by					
Date	16/05/2022				

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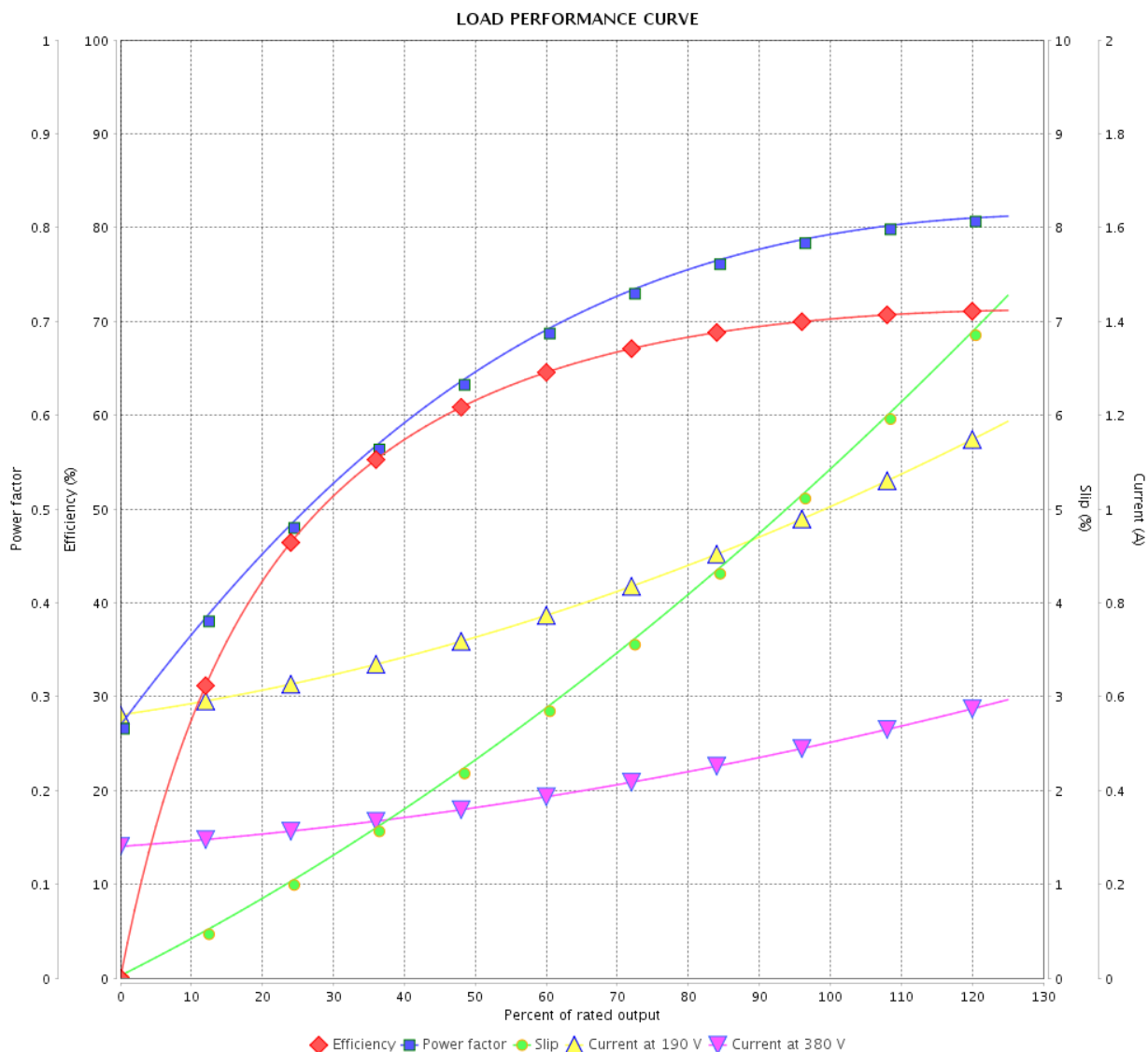
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase

Product code : 13721660



Performance : 190/380 V 50 Hz 2P

Rated current : 0.986/0.493 A
 LRC : 6.0
 Rated torque : 0.064 kgfm
 Locked rotor torque : 270 %
 Breakdown torque : 300 %
 Rated speed : 2835 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				3 / 4	
Date					

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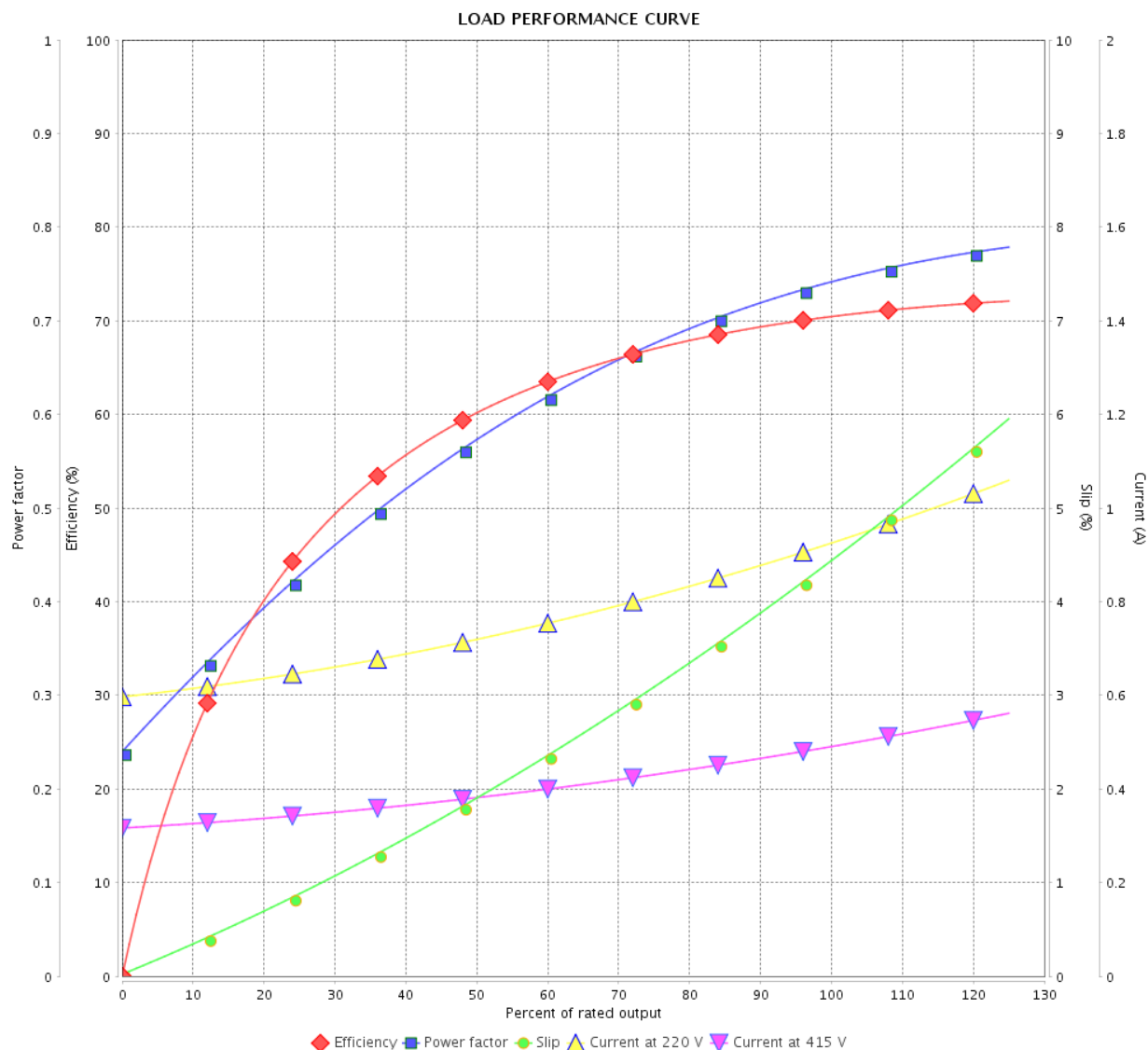
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Three-Phase

Product code : 13721660



Performance : 220/415 V 50 Hz 2P

Rated current : 0.907/0.481 A
 LRC : 6.8
 Rated torque : 0.063 kgfm
 Locked rotor torque : 330 %
 Breakdown torque : 370 %
 Rated speed : 2865 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				4 / 4	
Date					

