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 kgm²

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	60.1
	75%	62.0	67.7	67.1
	100%	66.0	70.2	70.4
Power Factor	25%			
	50%	0.60	0.64	0.57
	75%	0.70	0.75	0.68
	100%	0.75	0.79	0.74

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 4 kgf

Max. compression : 10 kgf

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

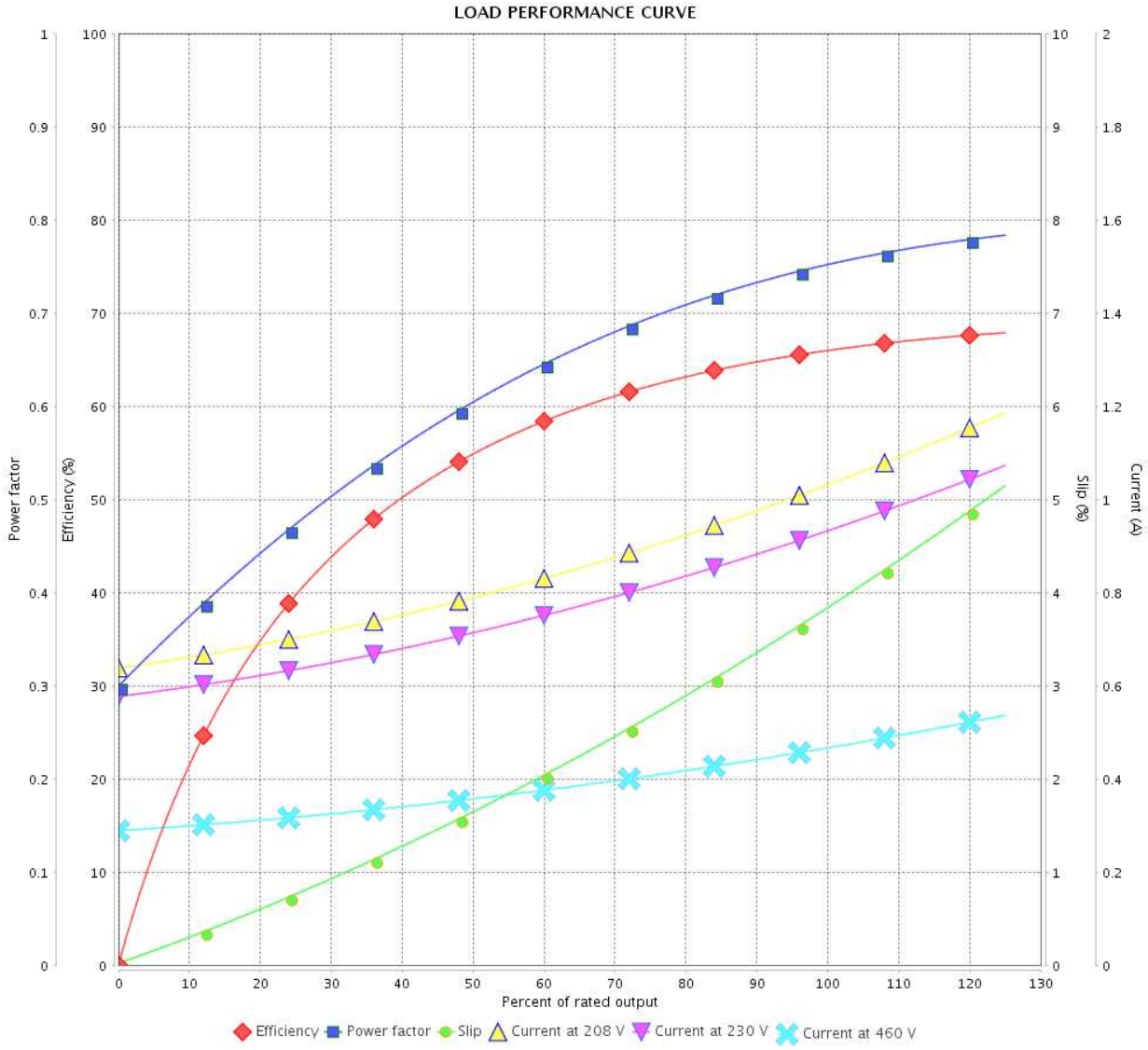
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LOAD PERFORMANCE CURVE

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	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 7.4	Duty cycle	: Cont.(S1)
Rated torque	: 0.052 kgfm	Insulation class	: F
Locked rotor torque	: 350 %	Service factor	:
Breakdown torque	: 400 %	Temperature rise	: 80 K
Rated speed	: 3460 rpm		

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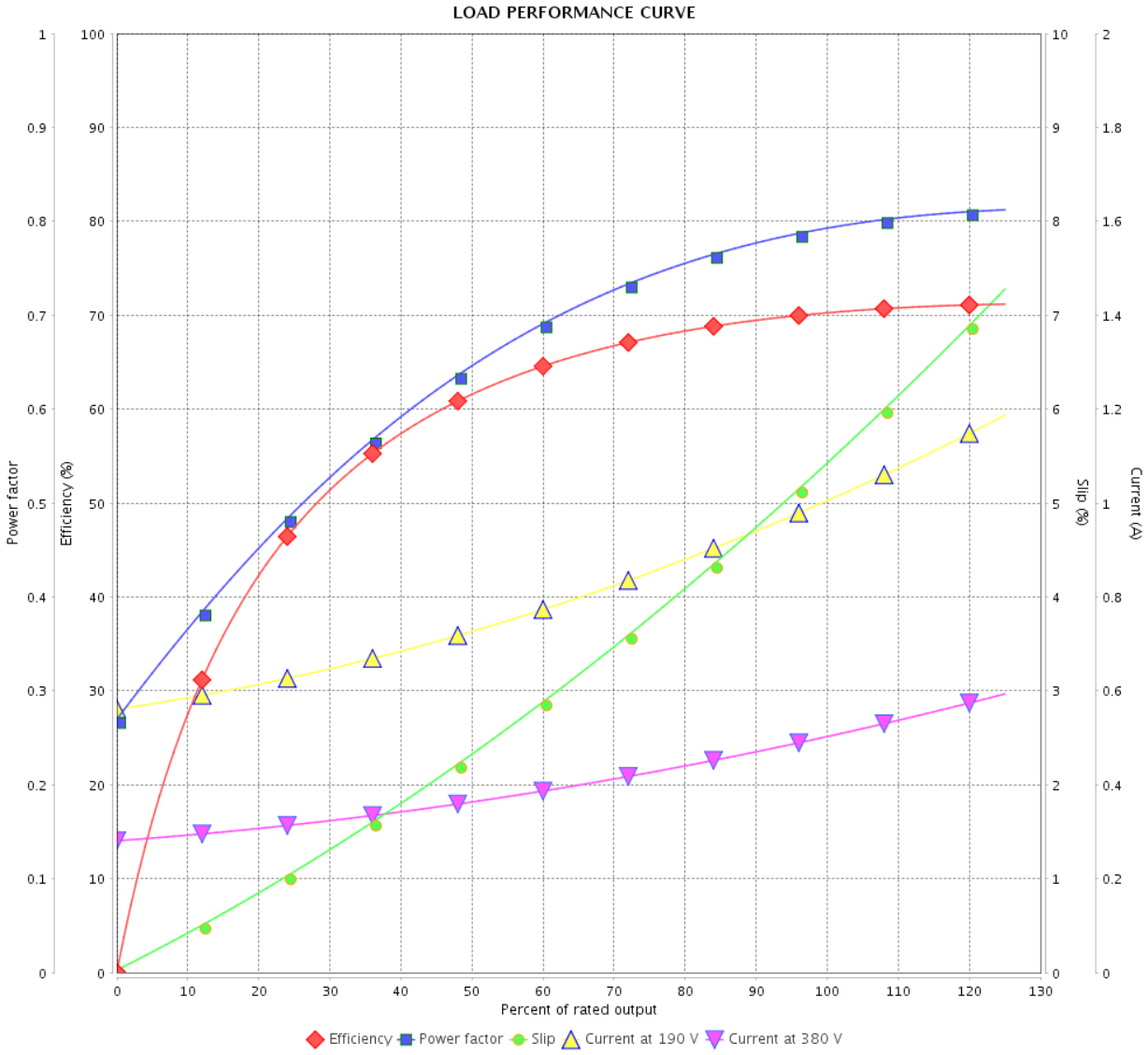
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LOAD PERFORMANCE CURVE

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	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.064 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2835 rpm		

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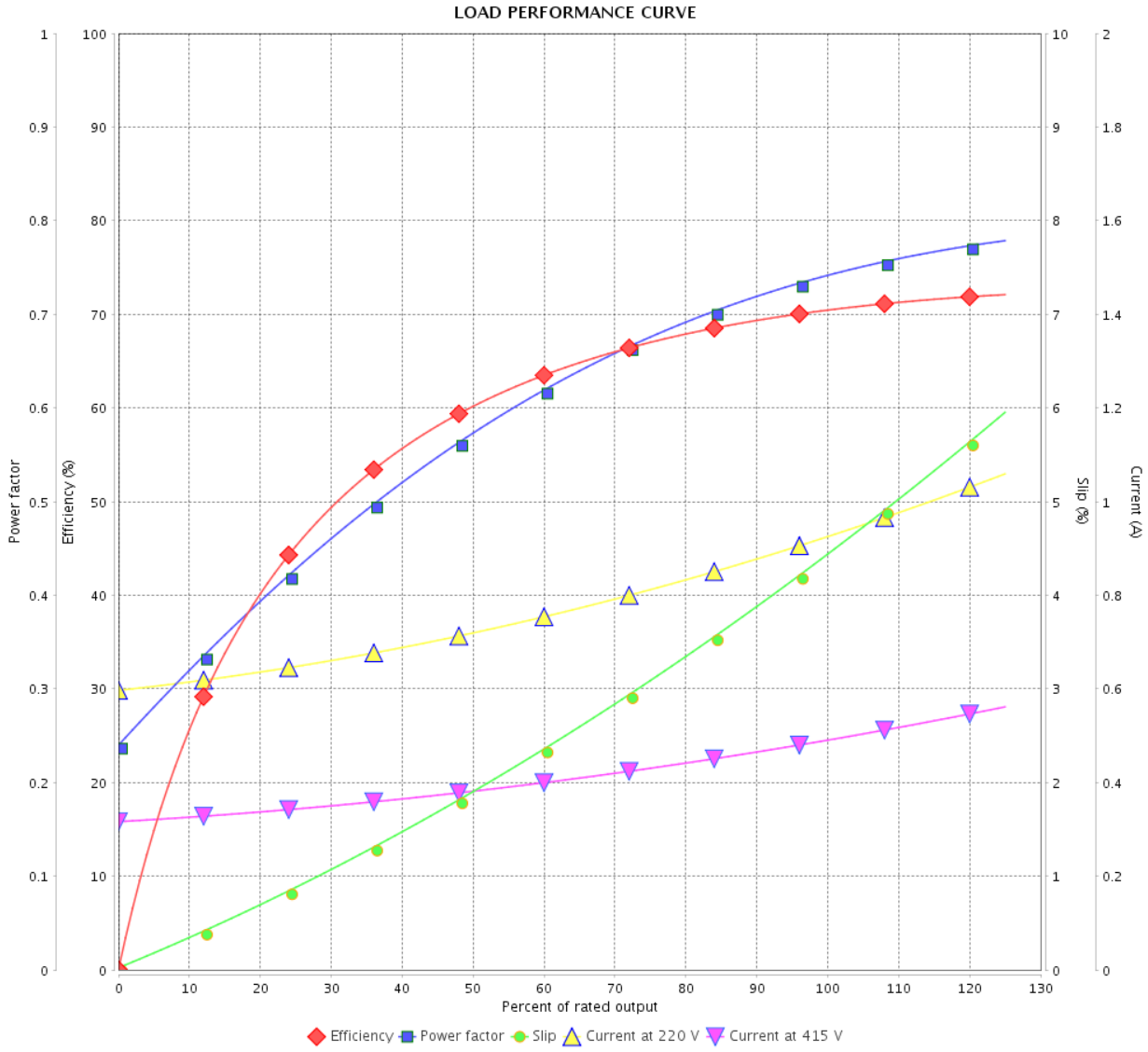
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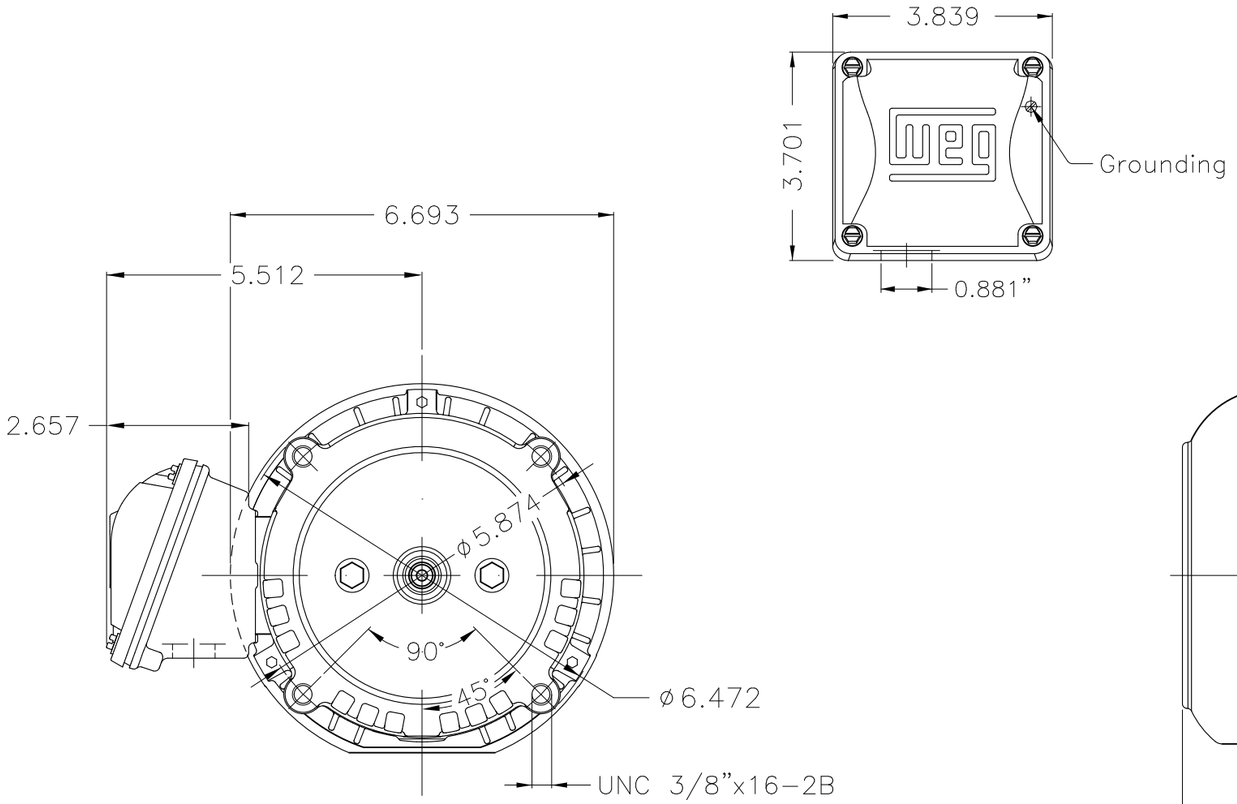


Performance	: 220/415 V 50 Hz 2P		
Rated current	: 0.907/0.481 A	Moment of inertia (J)	: 0.0006 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.063 kgfm	Insulation class	: F
Locked rotor torque	: 330 %	Service factor	: 1.15
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 2865 rpm		

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NDE sealing - V ring							
Color Munsell N 1 matte black							
Painting plan 207N							
Mounting W-6/V18R(D)							
			HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREMIER	PREVIEW	
CHECKED		FRAME W56J IP55 TEFC		
RELEASED			WDD	00
REL. DATE		WMO Jaraguá do Sul Product Engineering	SHEET	1 / 1

0.25 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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