DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Standard Efficiency Three-Phase Product code : 14069248

Frame	: W56	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 6.7 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0005 kgm²

Output [HP]		0.33	0.33	0.33
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190/380	220/415
Rated current [A]		1.45-1.31/0.657	1.44/0.718	1.34/0.708
L. R. Amperes [A]		8.86-8.02/4.01	6.46/3.23	6.68/3.54
LRC [A]		6.1x(Code L)	4.5x(Code H)	5.0x(Code J)
No load current [A]		0.731-0.848/0.424	0.822/0.411	0.939/0.498
Rated speed [RPM]		3425	2755	2805
Slip [%]		4.86	8.17	6.50
Rated torque [kgfm]		0.070	0.087	0.085
Locked rotor torque [%]		290	220	270
Breakdown torque [%]		300	229	280
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		50s (cold) 28s (hot)	59s (cold) 33s (hot)	52s (cold) 29s (hot)
Noise level²		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%			
	50%	52.5	57.0	54.0
	75%	59.5	62.0	61.0
	100%	62.0	63.0	63.0
Power Factor	25%			
	50%	0.60	0.66	0.57
	75%	0.70	0.77	0.69
	100%	0.77	0.84	0.78

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

Foundation loads

Max. traction : 4 kgf

Max. compression : 11 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

Performed by				
Checked by			Page	Revision
Date	11/05/2022		1 / 4	

LOAD PERFORMANCE CURVE

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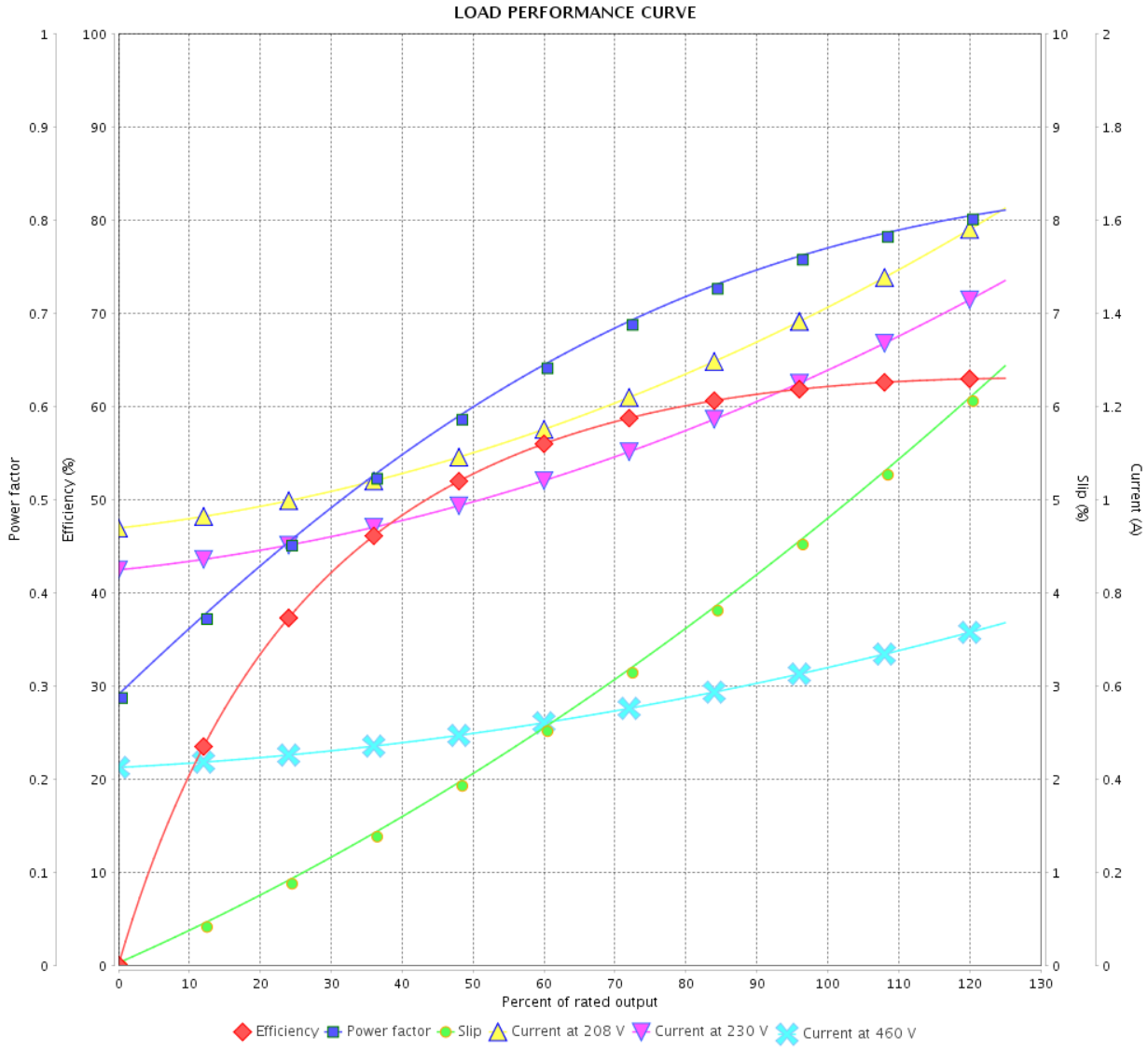
Product line	: Standard Efficiency Three-Phase	Product code :	14069248



Performance	: 208-230/460 V 60 Hz 2P		
Rated current	: 1.45-1.31/0.657 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 0.070 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	:
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3425 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/05/2022		2 / 4	

LOAD PERFORMANCE CURVE

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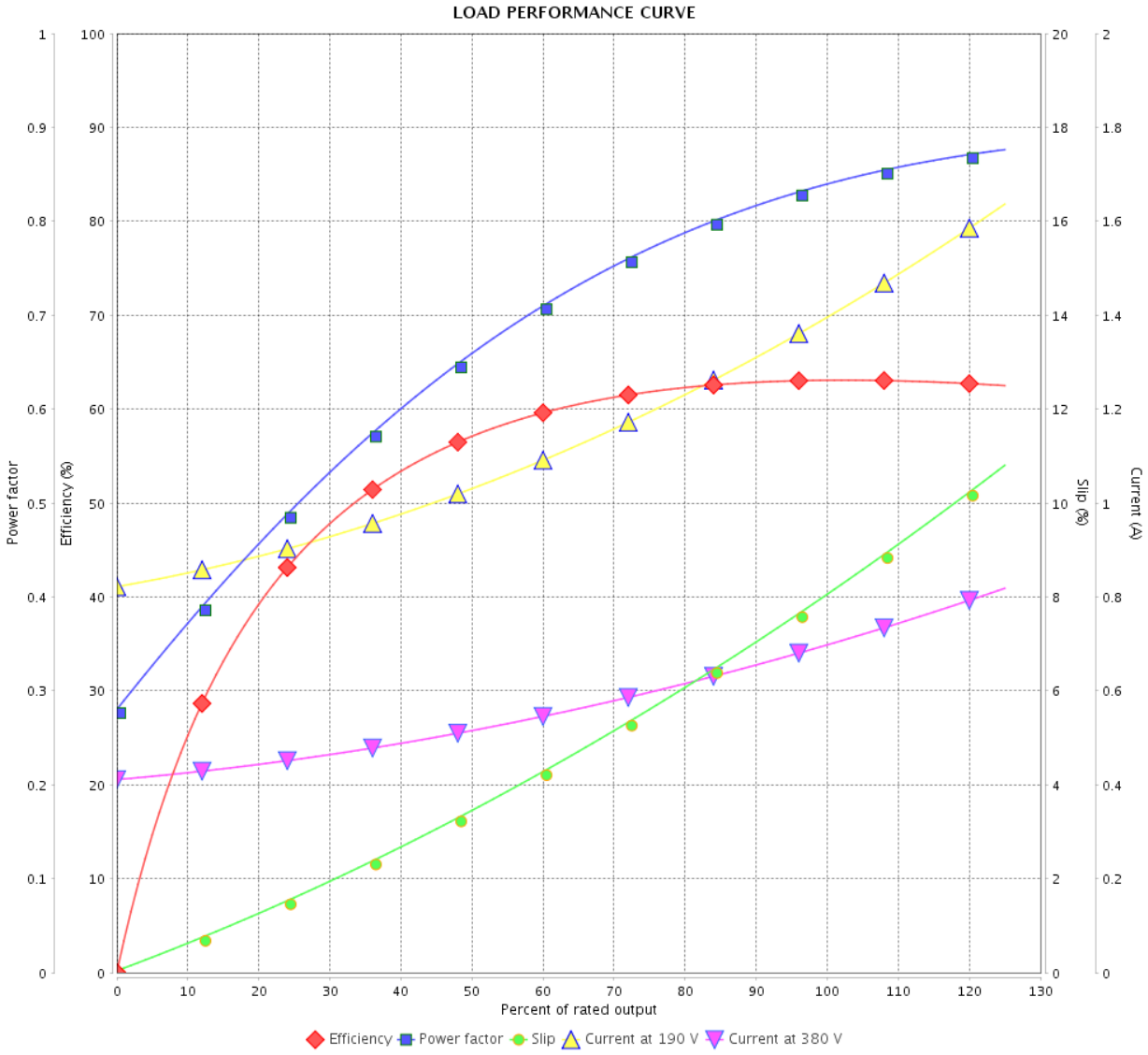

Performance	: 190/380 V 50 Hz 2P		
Rated current	: 1.44/0.718 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 4.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.087 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 2755 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/05/2022		3 / 4	

LOAD PERFORMANCE CURVE

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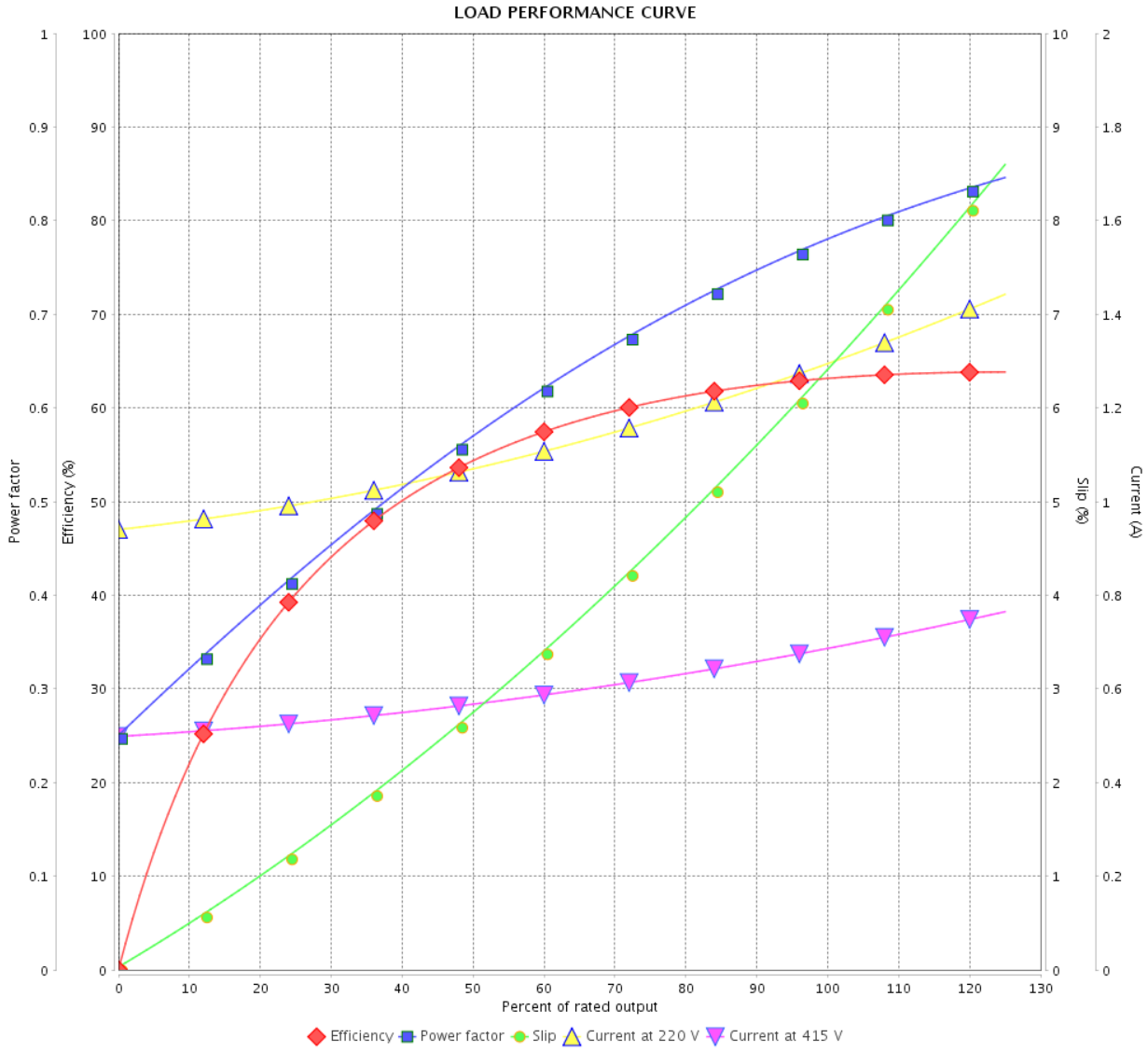

Performance	: 220/415 V 50 Hz 2P		
Rated current	: 1.34/0.708 A	Moment of inertia (J)	: 0.0005 kgm²
LRC	: 5.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.085 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2805 rpm		

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	11/05/2022		4 / 4	