DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12751161

Frame	: 182/4T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation[1]	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight[3]	: 37.3 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0088 kgm²
Design	: B		

Output [HP]		5	5	5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		11.8/5.90	14.3/7.17	12.8/6.81
L. R. Amperes [A]		92.0/46.0	91.8/45.9	91.2/48.4
LRC [A]		7.8x(Code J)	6.4x(Code G)	7.1x(Code H)
No load current [A]		4.40/2.20	4.34/2.17	4.39/2.33
Rated speed [RPM]		3500	2860	2875
Slip [%]		2.78	4.67	4.17
Rated torque [kgfm]		1.04	1.27	1.26
Locked rotor torque [%]		220	180	200
Breakdown torque [%]		300	250	280
Service factor		1.15	1.00	1.00
Temperature rise		80 K	105 K	105 K
Locked rotor time		30s (cold) 17s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level[2]		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Efficiency (%)	25%	87.2	89.8	89.3
	50%	87.5	88.1	88.1
	75%	88.5	87.3	87.8
	100%	88.5	85.2	86.2
Power Factor	25%	0.49	0.55	0.52
	50%	0.76	0.82	0.79
	75%	0.85	0.89	0.87
	100%	0.89	0.92	0.91

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads
Max. traction : 55 kgf
Max. compression : 92 kgf

Notes
USABLE @208V 13.1A SF 1.00 SFA 13.1A

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	13/05/2022		1 / 4	

LOAD PERFORMANCE CURVE

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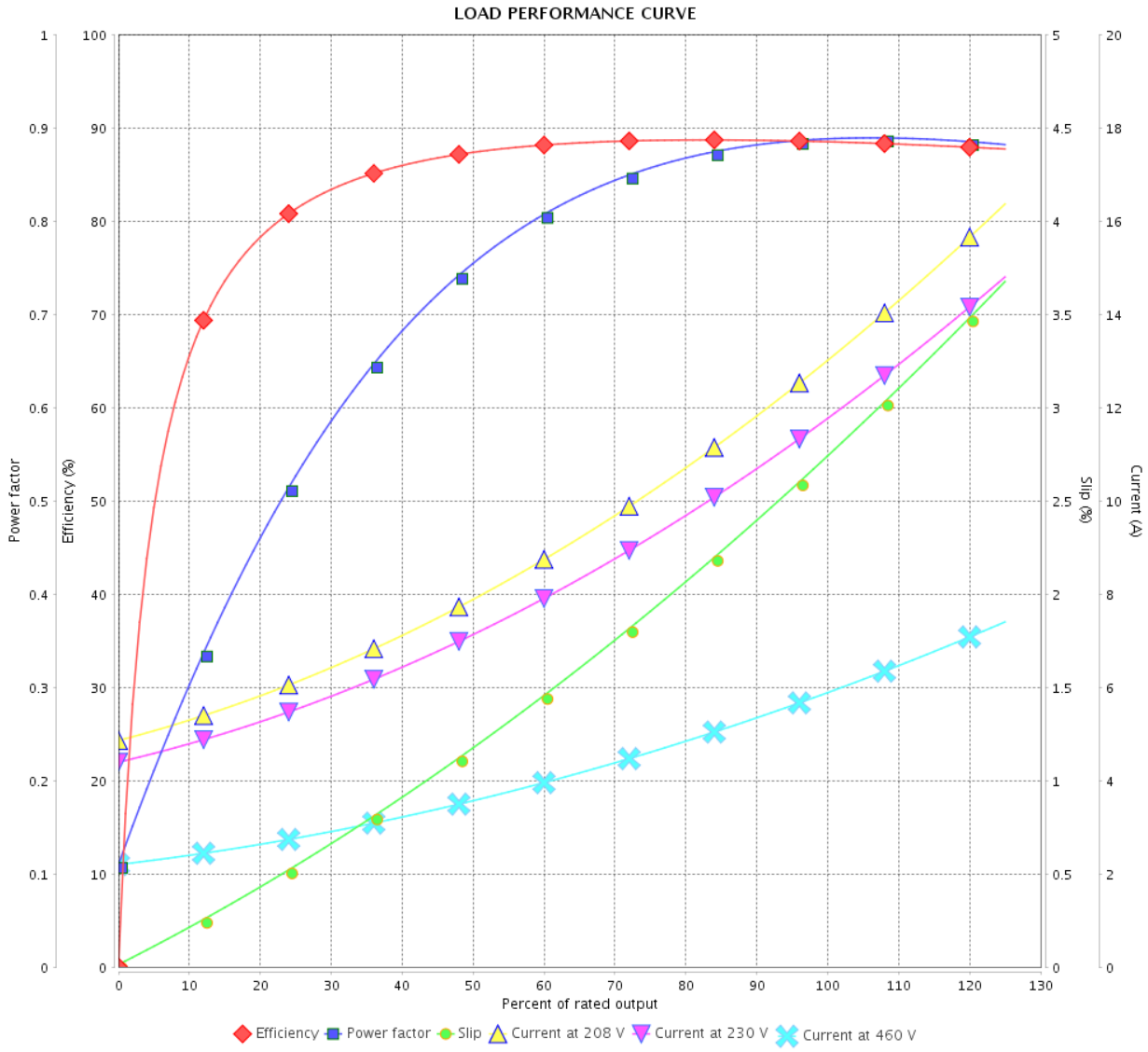
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12751161



Performance	: 230/460 V 60 Hz 2P		
Rated current	: 11.8/5.90 A	Moment of inertia (J)	: 0.0088 kgm²
LRC	: 7.8	Duty cycle	: Cont.(S1)
Rated torque	: 1.04 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		2 / 4	

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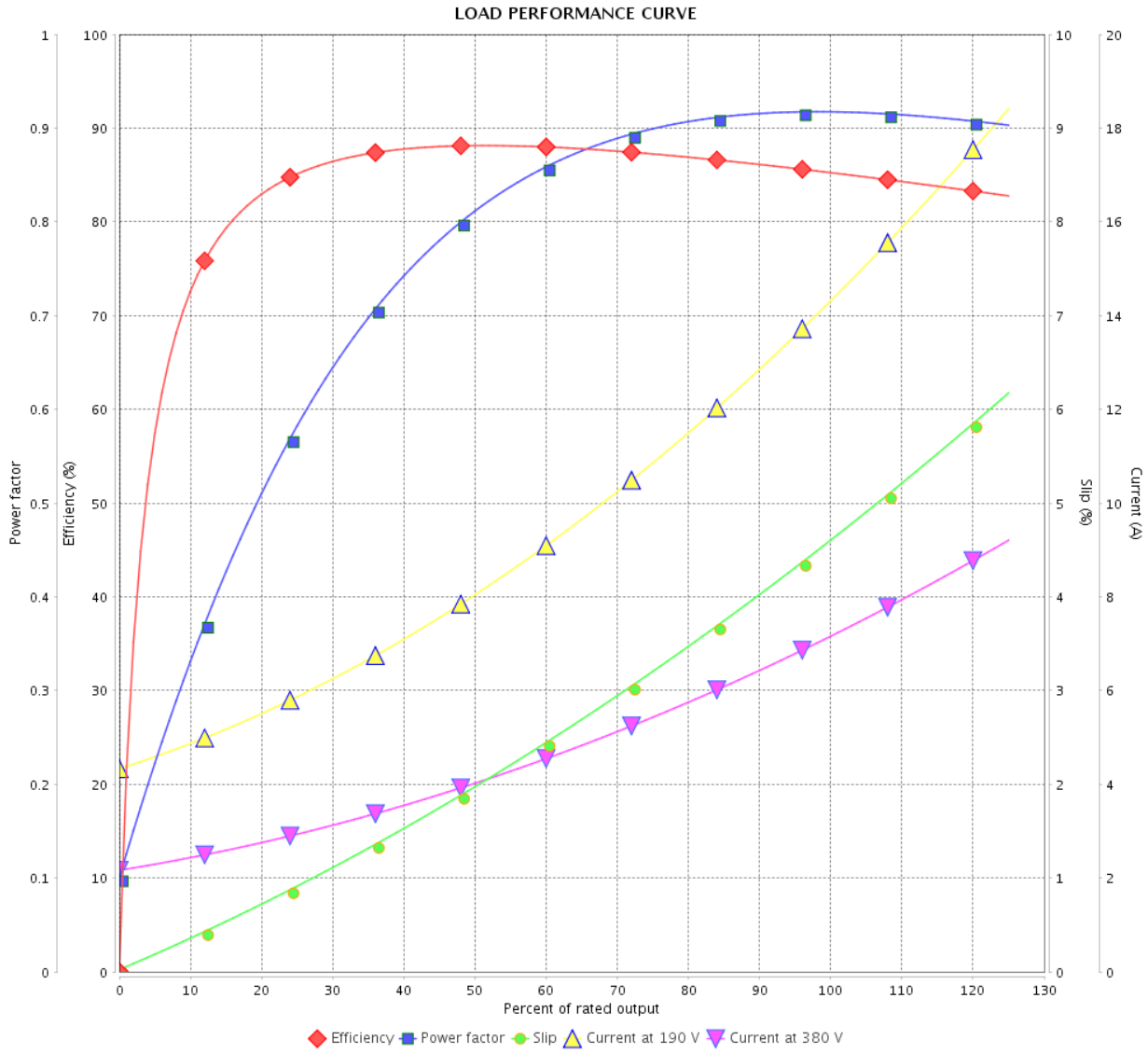

Performance	: 190/380 V 50 Hz 2P

Rated current	: 14.3/7.17 A	Moment of inertia (J)	: 0.0088 kgm²
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 1.27 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 2860 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		3 / 4	

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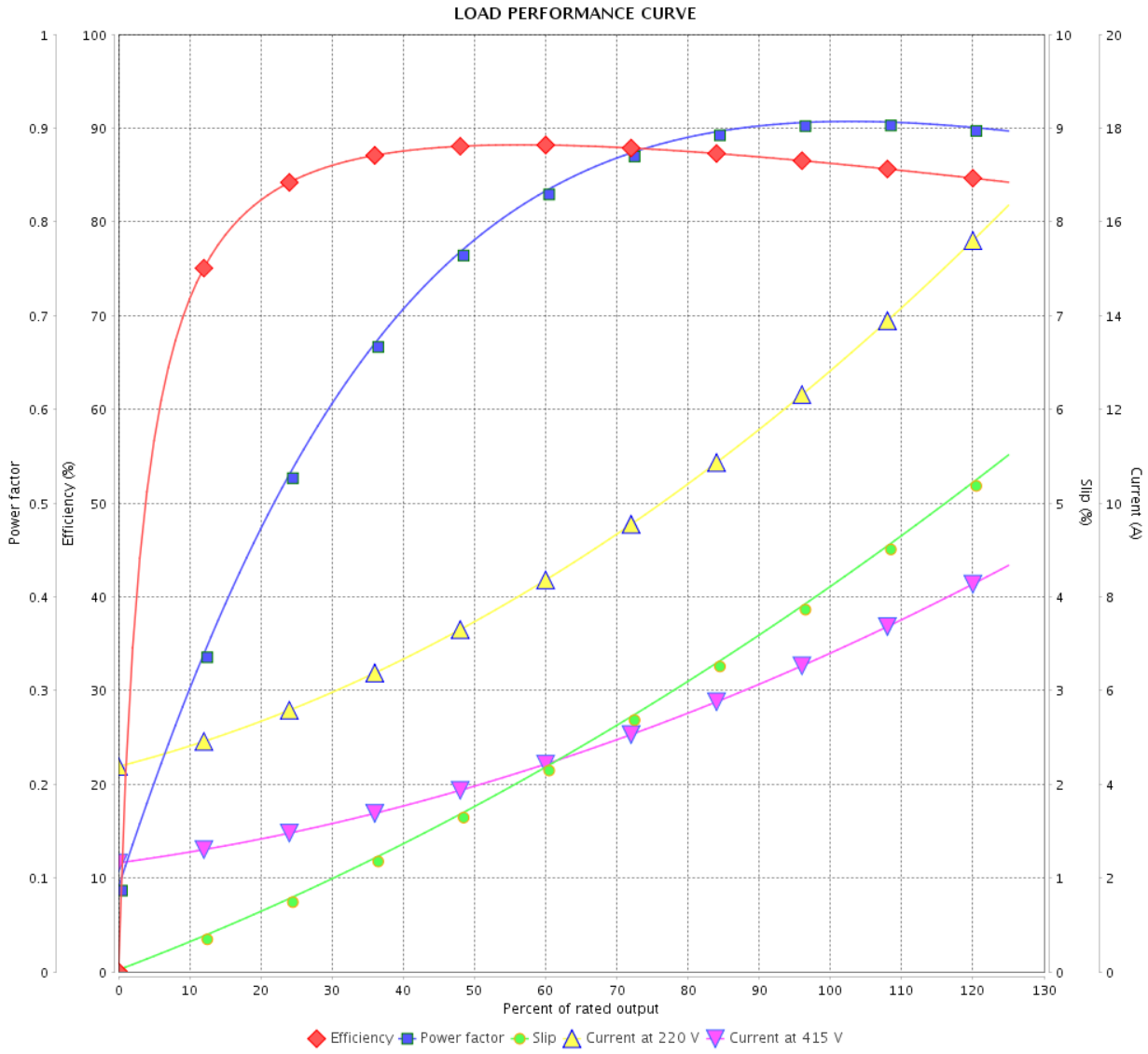

Performance	: 220/415 V 50 Hz 2P		
Rated current	: 12.8/6.81 A	Moment of inertia (J)	: 0.0088 kgm²
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 1.26 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 105 K
Rated speed	: 2875 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	13/05/2022		4 / 4	