

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency Three-Phase Product code : 13760388

Frame	: W56C	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	: 9.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0024 kgm ²

Output [HP]	0.5	0.33	0.33
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190-220/380	415
Rated current [A]	2.20-1.98/0.990	1.80-1.55/0.899	0.952
L. R. Amperes [A]	9.68-8.71/4.36	7.73-6.68/3.87	4.19
LRC [A]	4.4x(Code H)	4.3x(Code J)	4.4x(Code L)
No load current [A]	1.34-1.55/0.775	1.52-1.31/0.760	0.907
Rated speed [RPM]	1130	945	955
Slip [%]	5.83	5.50	4.50
Rated torque [kgfm]	0	0	0
Locked rotor torque [%]	200	220	270
Breakdown torque [%]	240	250	310
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	30s (cold) 17s (hot)	43s (cold) 24s (hot)	34s (cold) 19s (hot)
Noise level ²	48.0 dB(A)	47.0 dB(A)	47.0 dB(A)
Efficiency (%)	25%		
	50%	59.5	55.0
	75%	66.0	63.0
	100%	68.0	65.0
Power Factor	25%		
	50%	0.47	0.44
	75%	0.59	0.55
	100%	0.69	0.65

Bearing type	: Drive end 6203 ZZ Non drive end 6202 ZZ	Foundation loads	
Sealing	: V'Ring Without Bearing Seal	Max. traction	: 19 kgf
Lubrication interval	: - -	Max. compression	: 30 kgf
Lubricant amount	: - -		
Lubricant type	: 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				
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Date	08/10/2026			

Page 1 / 4
Revision

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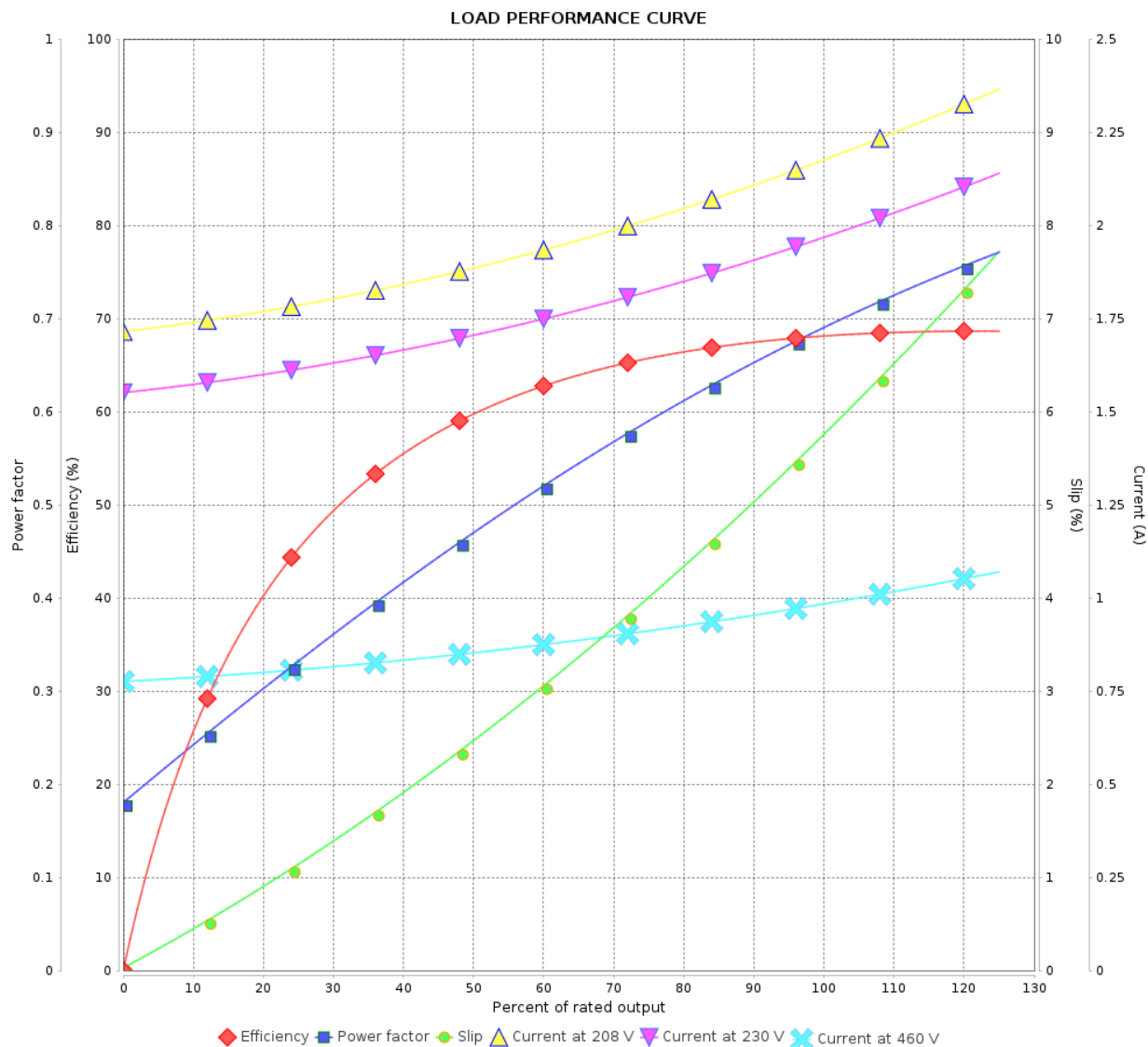
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency
Three-Phase

Product code : 13760388



Performance : 208-230/460 V 60 Hz 6P

Rated current : 2.20-1.98/0.990 A
LRC : 4.4
Rated torque : 0 kgfm
Locked rotor torque : 200 %
Breakdown torque : 240 %
Rated speed : 1130 rpm

Moment of inertia (J) : 0.0024 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 4Revision		
Checked by				
Date	08/10/2026			

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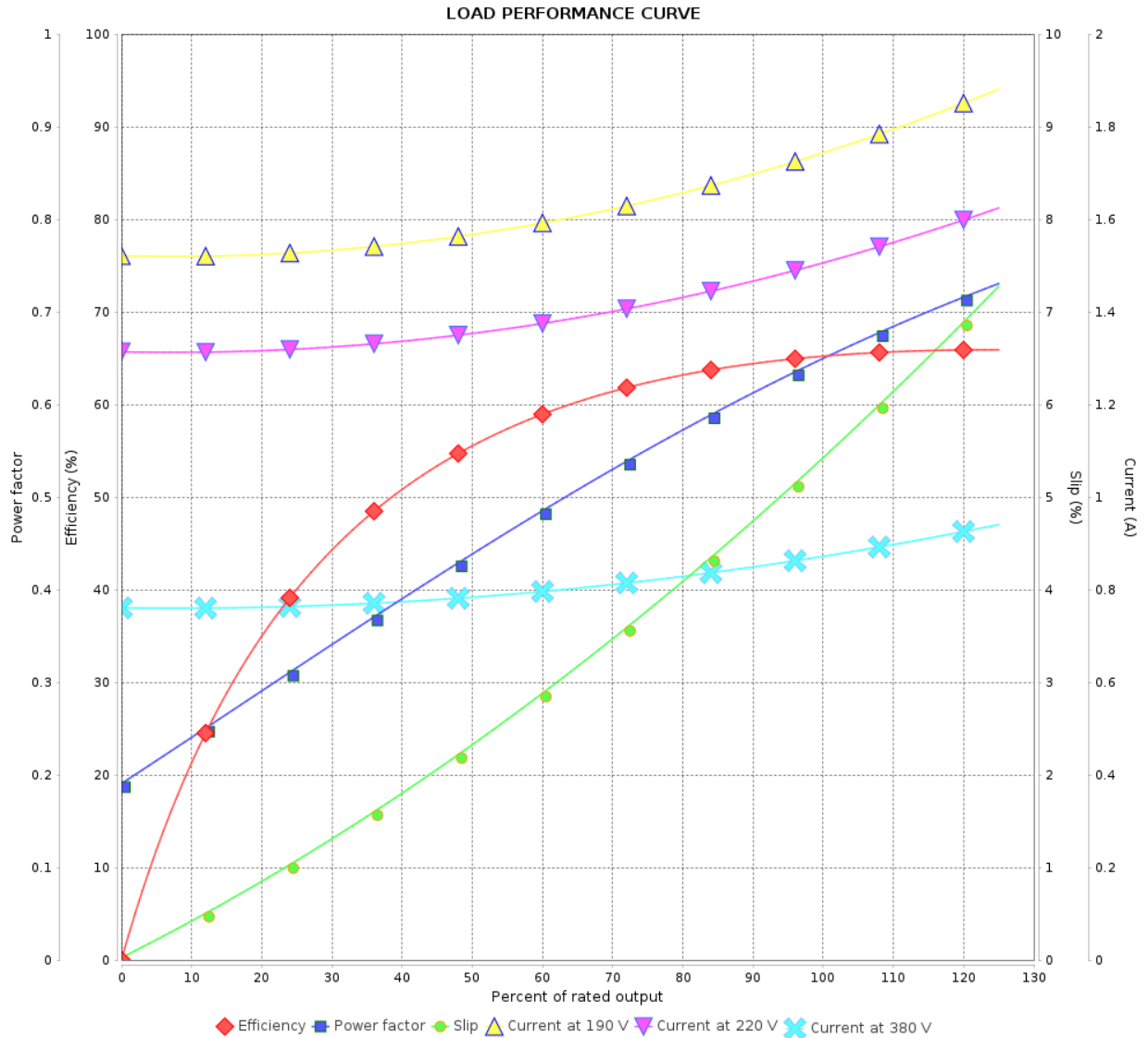
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency
Three-Phase

Product code : 13760388



Performance : 190-220/380 V 50 Hz 6P

Rated current : 1.80-1.55/0.899 A
LRC : 4.3
Rated torque : 0 kgfm
Locked rotor torque : 220 %
Breakdown torque : 250 %
Rated speed : 945 rpm

Moment of inertia (J) : 0.0024 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 3 / 4 Revision			
Checked by					
Date	08/10/2026				

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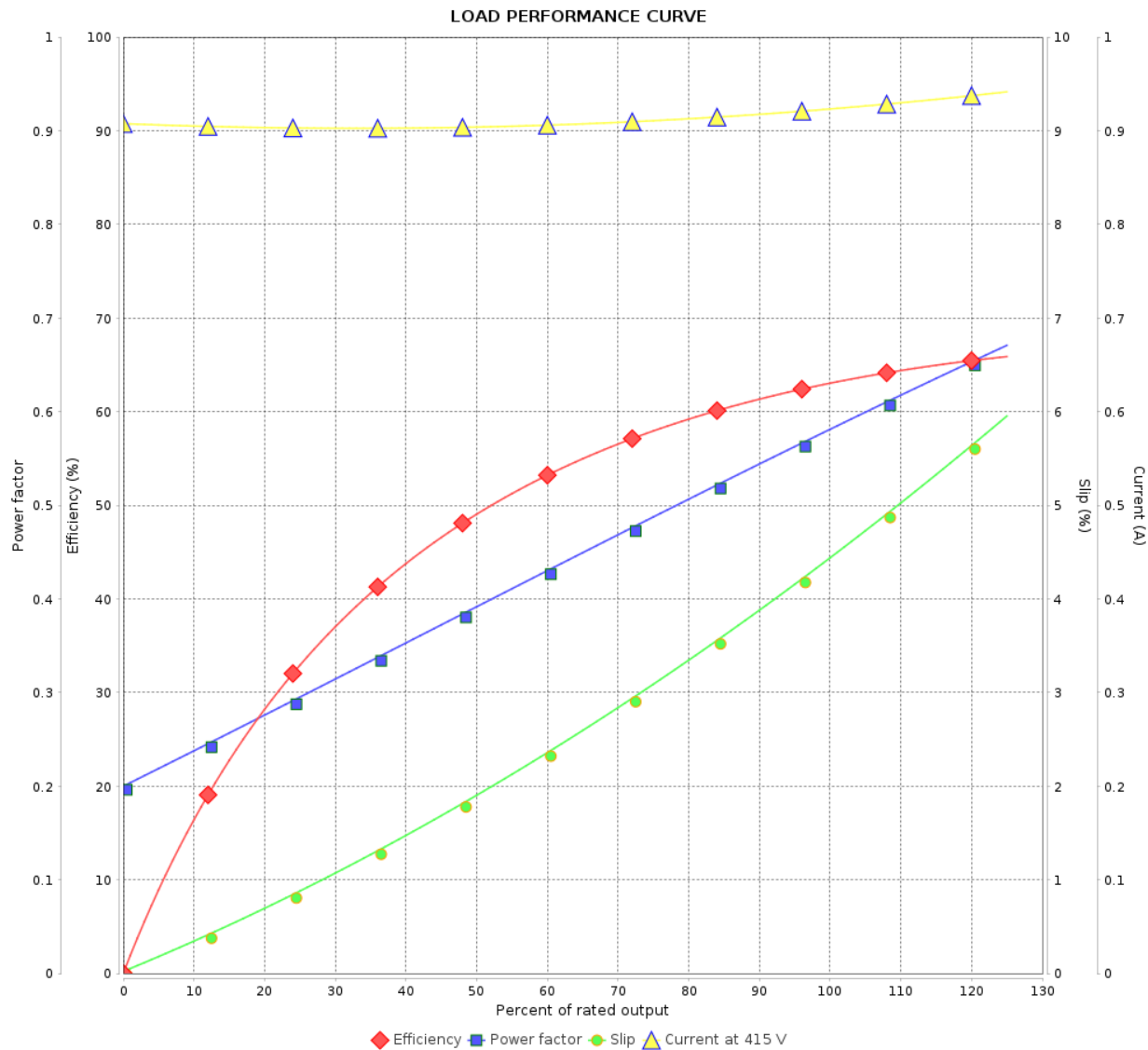
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Standard Efficiency
Three-Phase

Product code : 13760388



Performance : 415 V 50 Hz 6P

Rated current : 0.952 A
LRC : 4.4
Rated torque : 0 kgfm
Locked rotor torque : 270 %
Breakdown torque : 310 %
Rated speed : 955 rpm

Moment of inertia (J) : 0.0024 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					