

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : General High Efficiency Three-Phase      Product code : 11074488

Frame	: 182TC	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 21.9 kg
Protection degree	: IP21	Moment of inertia (J)	: 0.0054 kgm <sup>2</sup>
Design	: B		

Output [HP]	5	5	5	5
Poles	2	2	2	2
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	12.5/6.24	7.74	7.39	7.30
L. R. Amperes [A]	88.6/44.3	43.3	45.8	48.2
LRC [A]	7.1x(Code H)	5.6x(Code G)	6.2x(Code H)	6.6x(Code H)
No load current [A]	5.60/2.80	2.70	3.30	3.80
Rated speed [RPM]	3510	2875	2890	2900
Slip [%]	2.50	4.17	3.67	3.33
Rated torque [kgfm]	1.03	1.26	1.26	1.25
Locked rotor torque [%]	180	150	160	180
Breakdown torque [%]	290	210	240	260
Service factor	1.15	1.00	1.00	1.00
Temperature rise	105 K	105 K	105 K	105 K
Locked rotor time	21s (cold) 12s (hot)	28s (cold) 16s (hot)	25s (cold) 14s (hot)	21s (cold) 12s (hot)
Noise level <sup>2</sup>	64.0 dB(A)			
Efficiency (%)	25%			
	50%	85.5	82.5	82.5
	75%	86.5	84.0	84.0
	100%	86.5	82.5	84.0
Power Factor	25%			
	50%	0.70	0.76	0.71
	75%	0.80	0.85	0.82
	100%	0.86	0.88	0.86

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	: 6206 ZZ	6205 ZZ	Max. traction : 54 kgf
Sealing	: Without	Without	Max. compression : 82 kgf
	Bearing Seal	Bearing Seal	
Lubrication interval	: -	-	
Lubricant amount	: -	-	
Lubricant type	: Mobil Polyrex EM		

Notes  
USABLE @208V 13.6A SF 1.15 SFA 15.7A

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.

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# LOAD PERFORMANCE CURVE

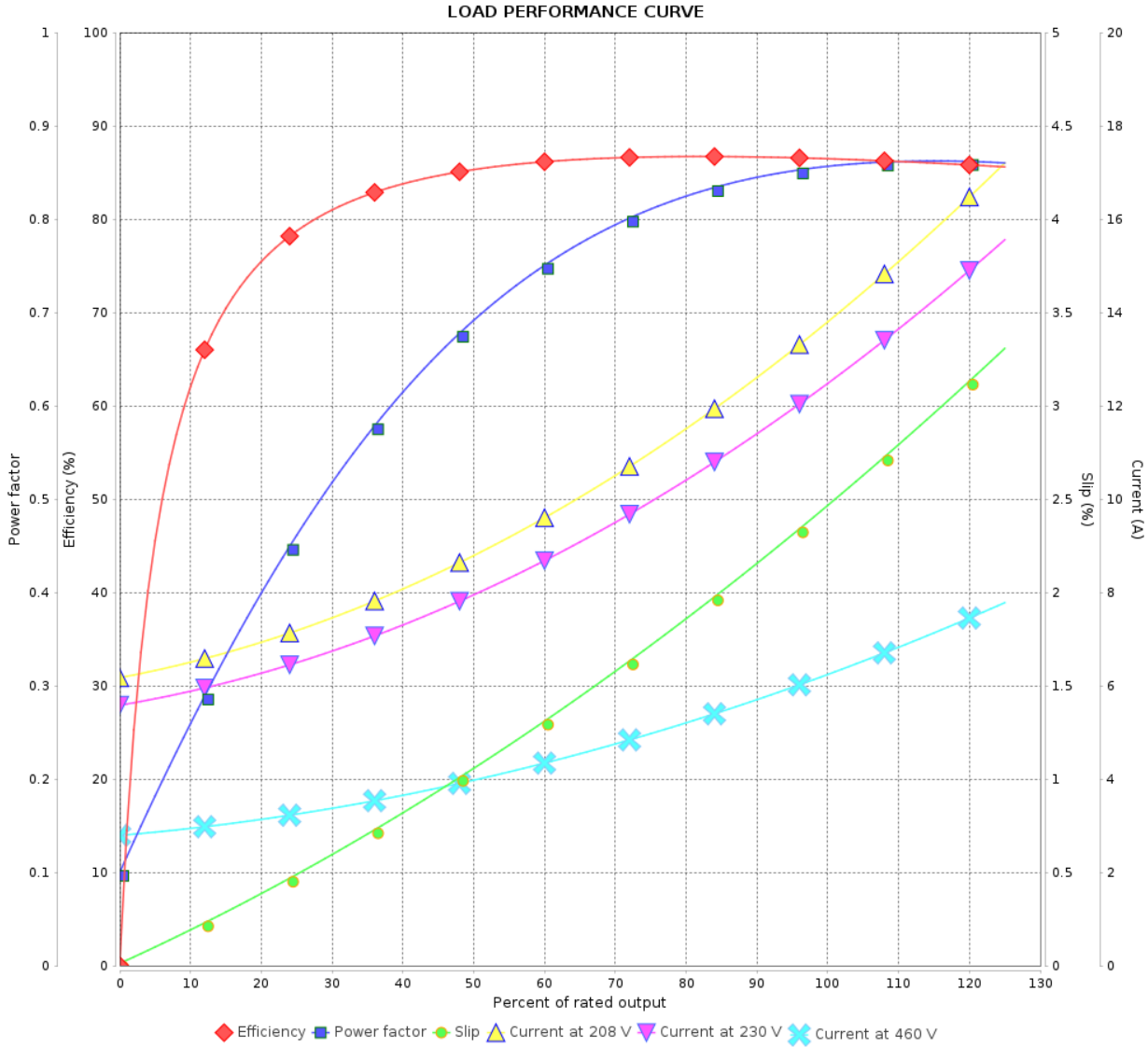
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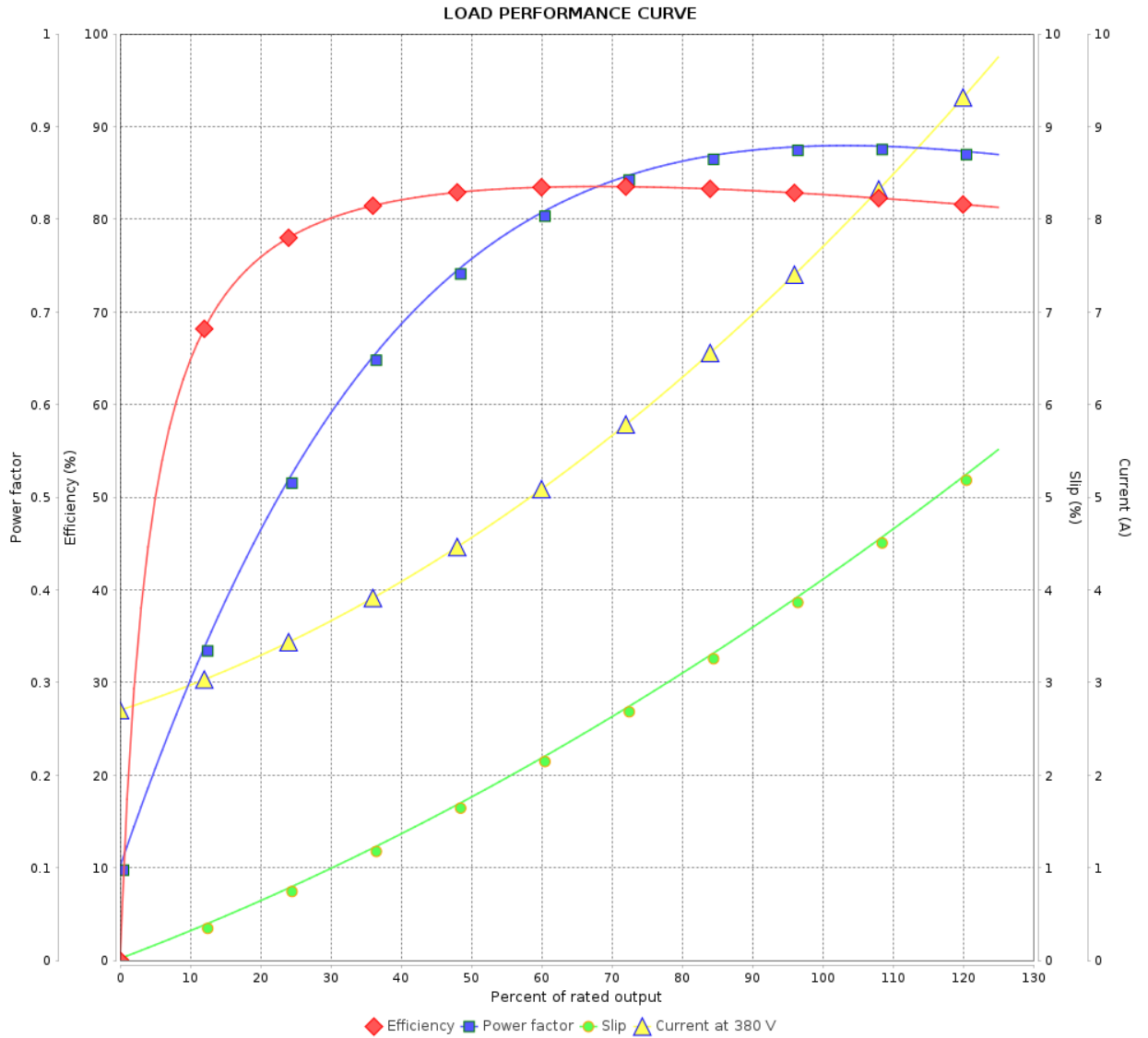
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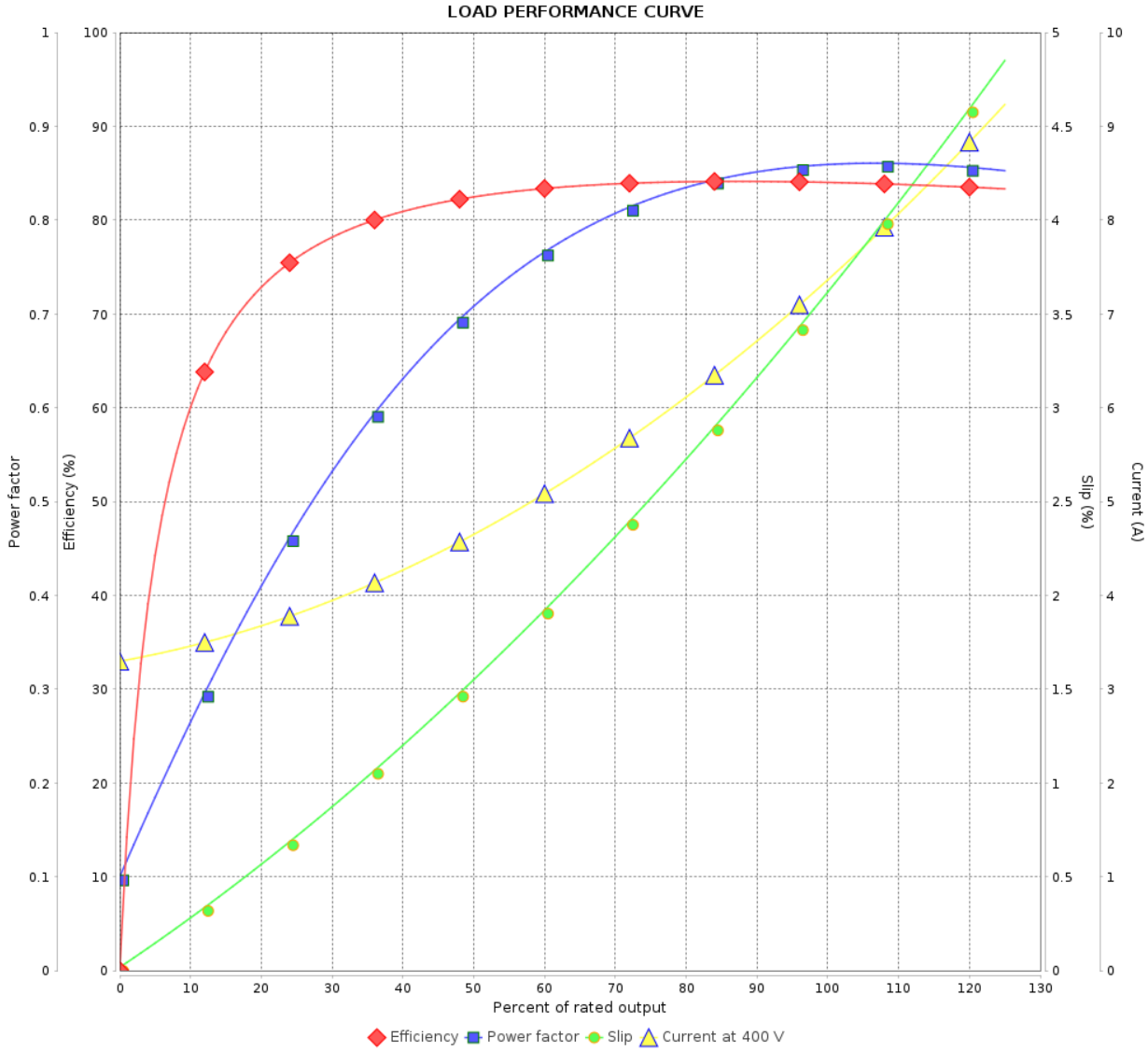
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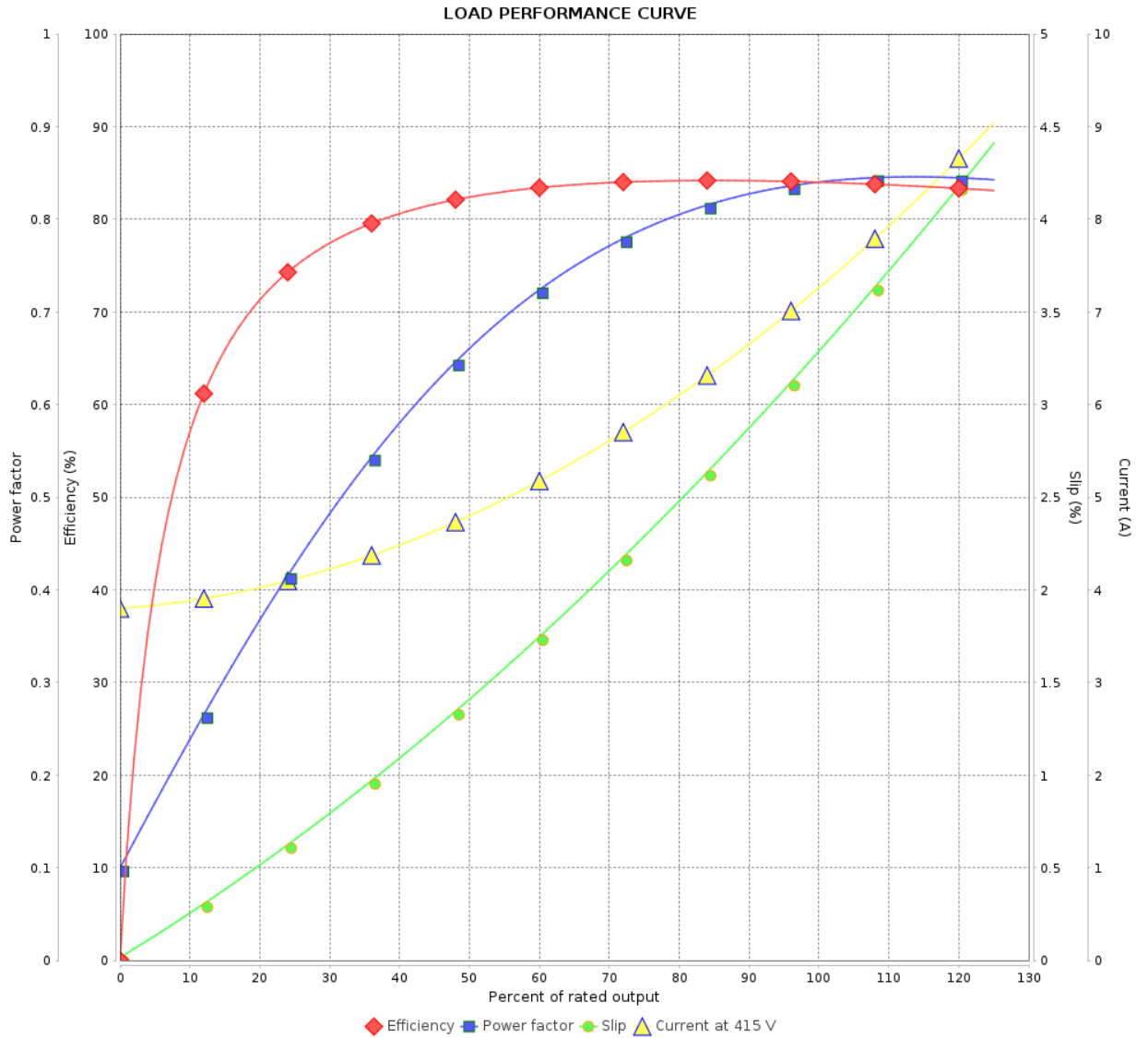
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