

# 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>	: 27.8 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	
Bearing type	: <u>Drive end</u> 6206 ZZ	<u>Non drive end</u> 6205 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 54 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 82 kgf	
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.		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
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# LOAD PERFORMANCE CURVE

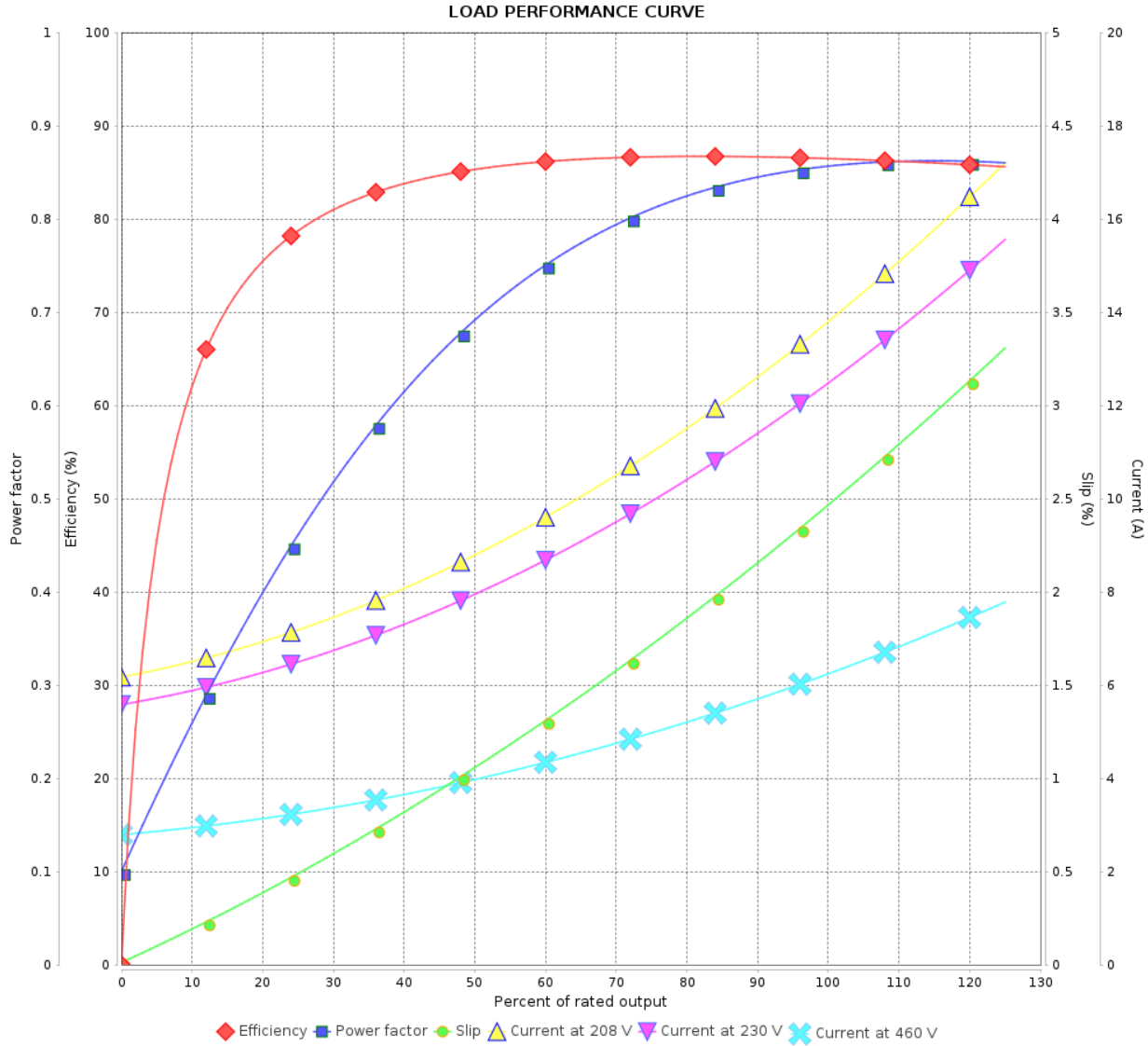
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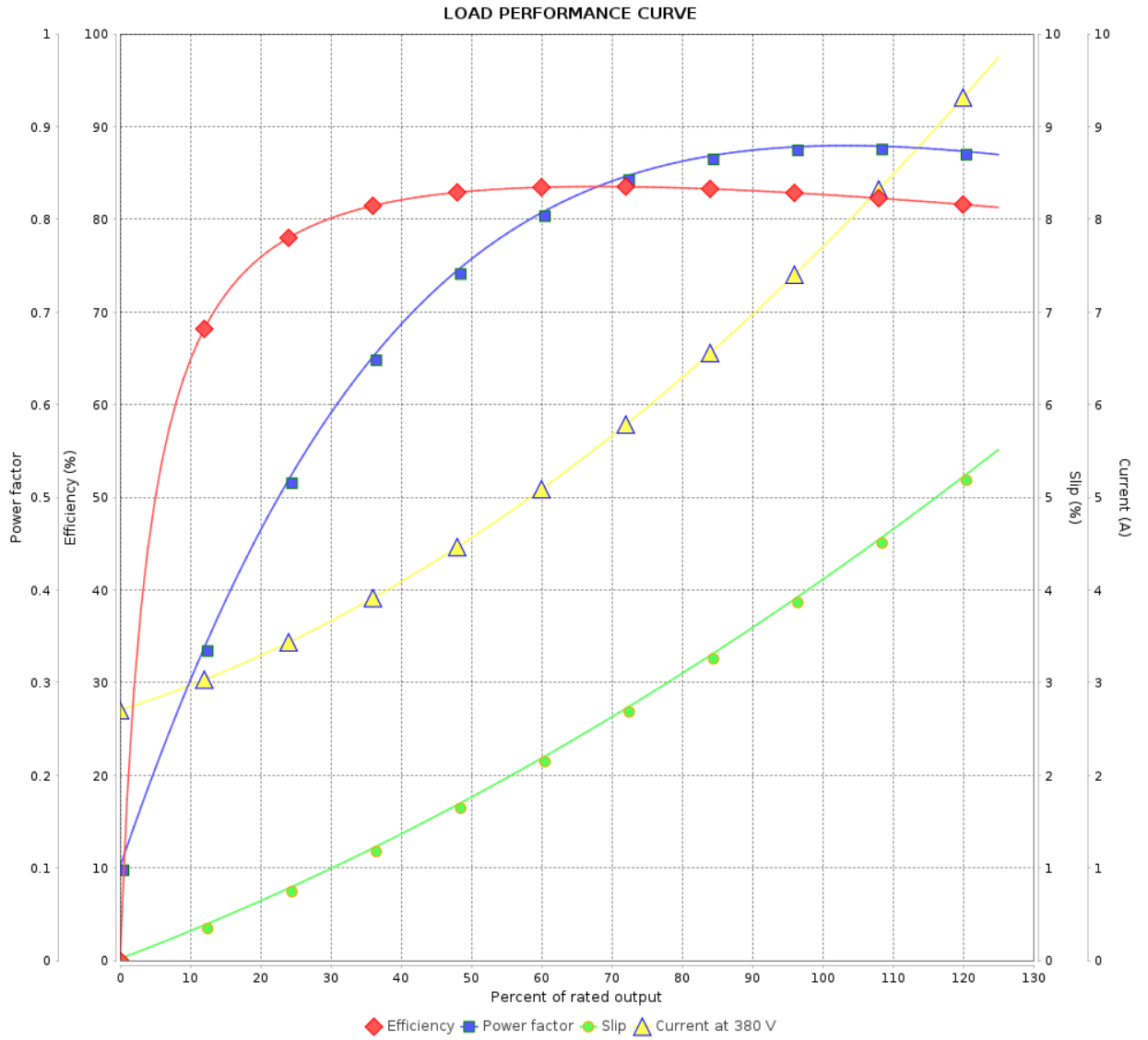
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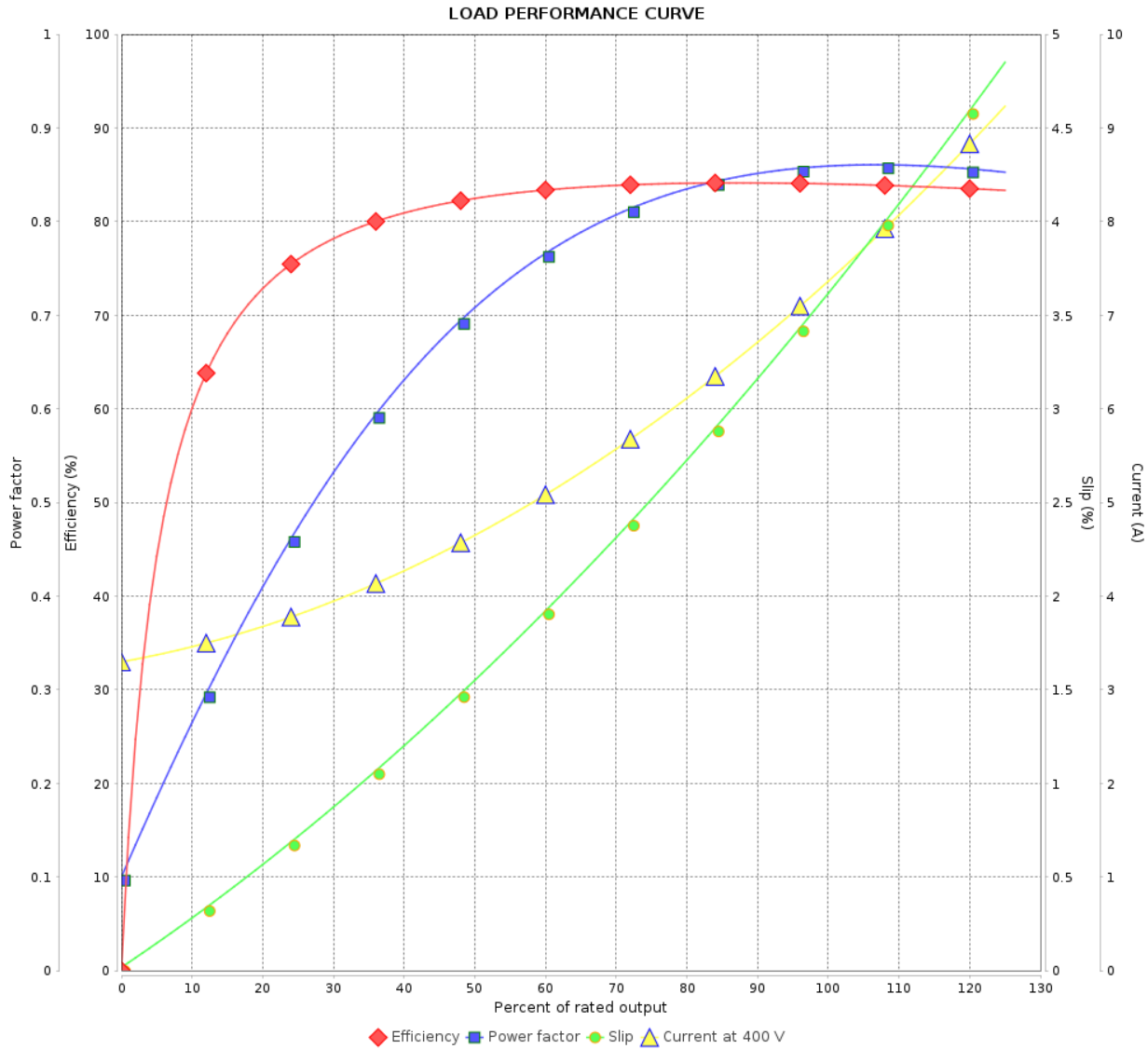
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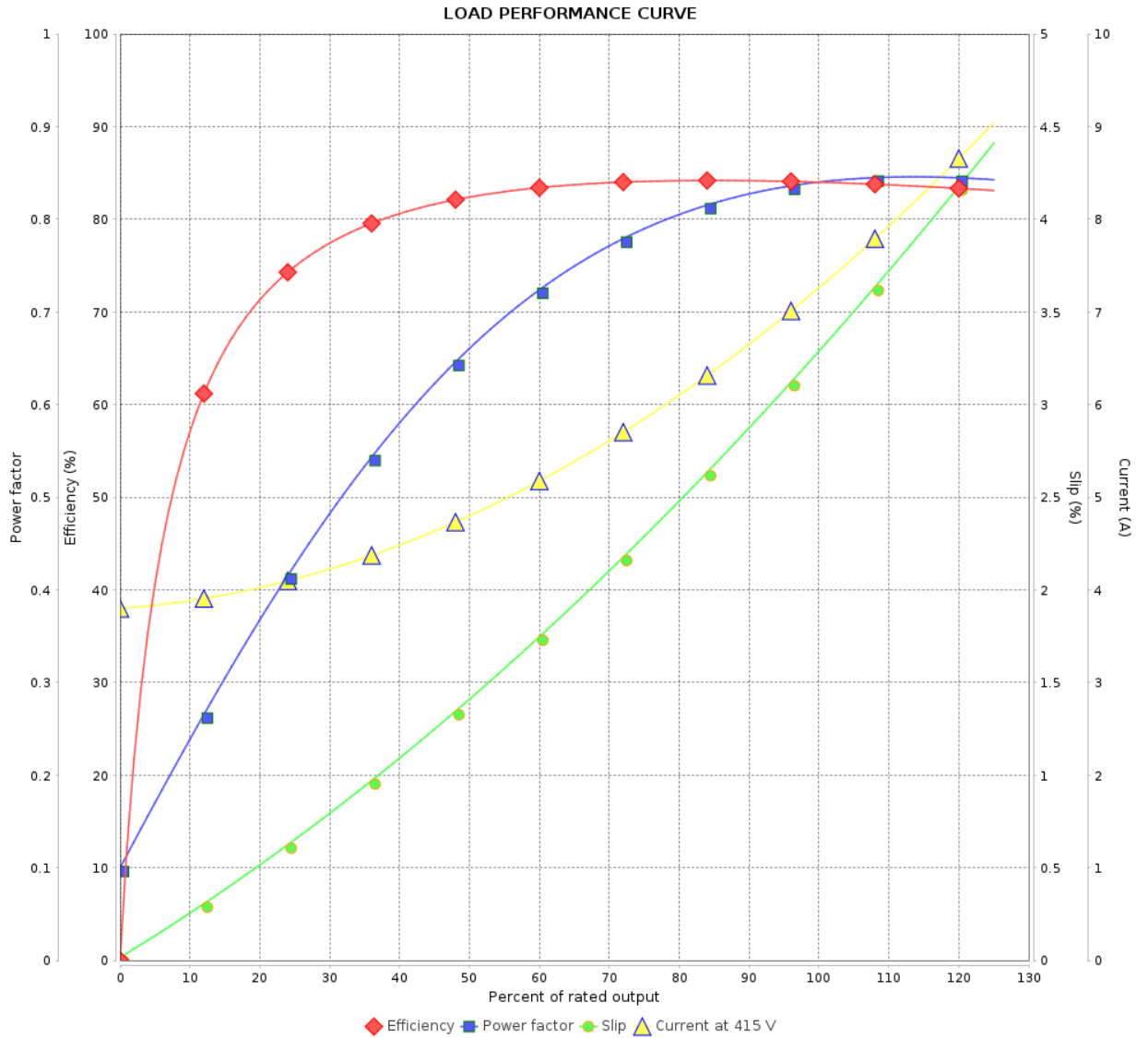
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