

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 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	: 27.8 kg		
Protection degree	: IP21	Moment of inertia (J)	: 0.0054 kgm ²		
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 ²	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 Bearing Seal Bearing Seal	Max. traction	: 54 kgf		
Lubrication interval	: - -	Max. compression	: 82 kgf		
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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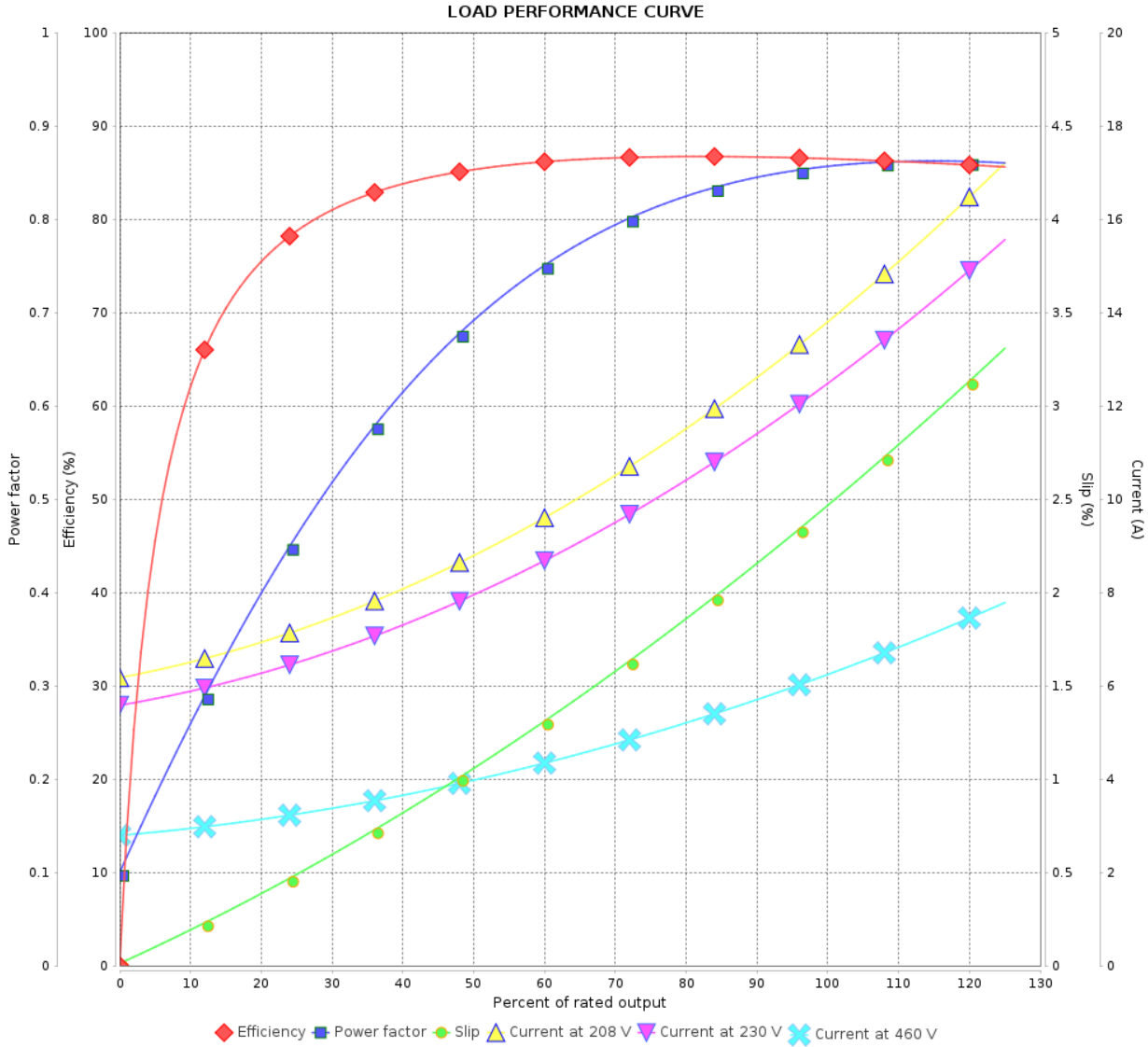
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Performance : 230/460 V 60 Hz 2P

Rated current : 12.5/6.24 A
 LRC : 7.1
 Rated torque : 1.03 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 290 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 105 K
 Design : B

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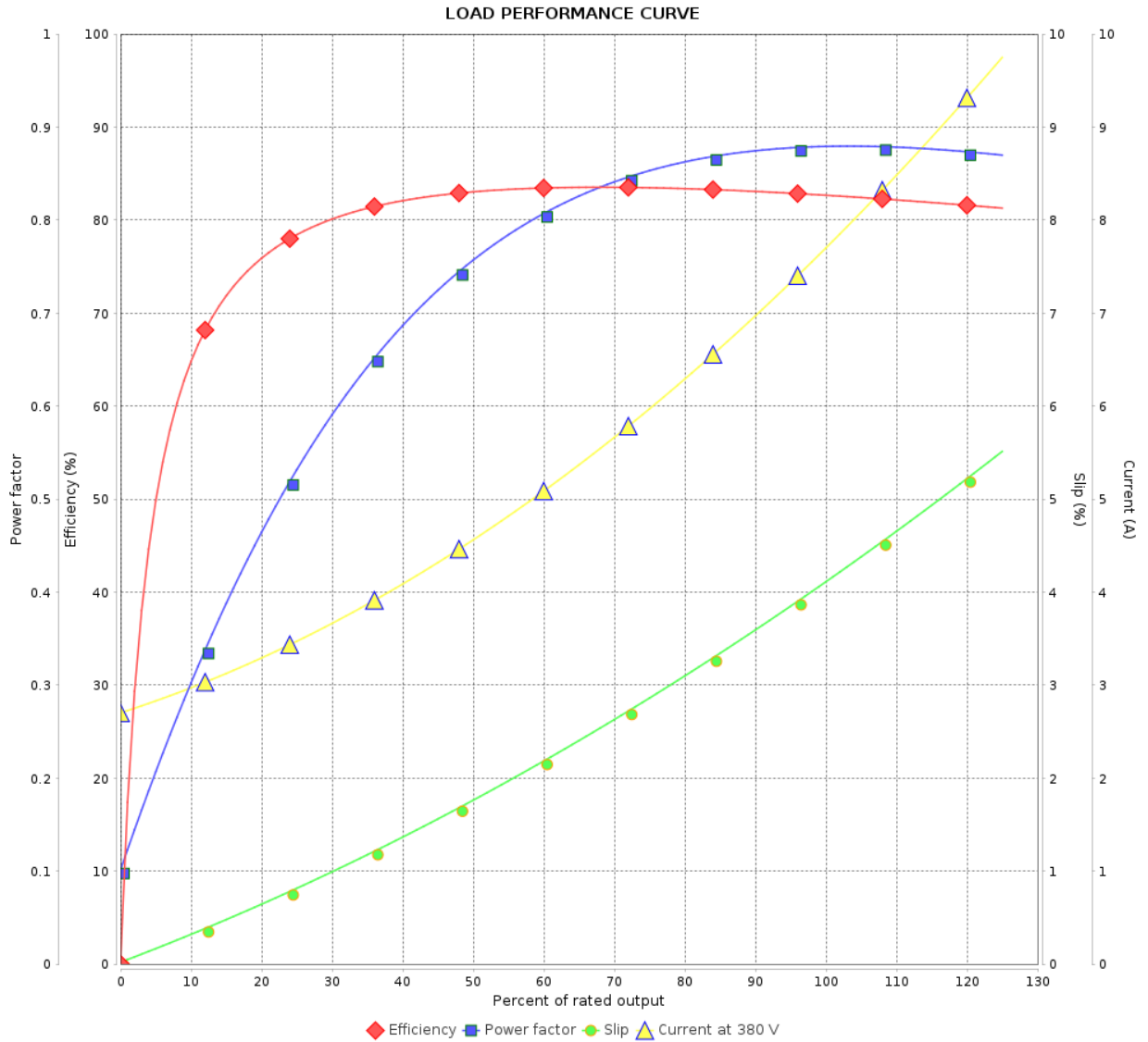
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Performance : 380 V 50 Hz 2P

Rated current : 7.74 A
 LRC : 5.6
 Rated torque : 1.26 kgfm
 Locked rotor torque : 150 %
 Breakdown torque : 210 %
 Rated speed : 2875 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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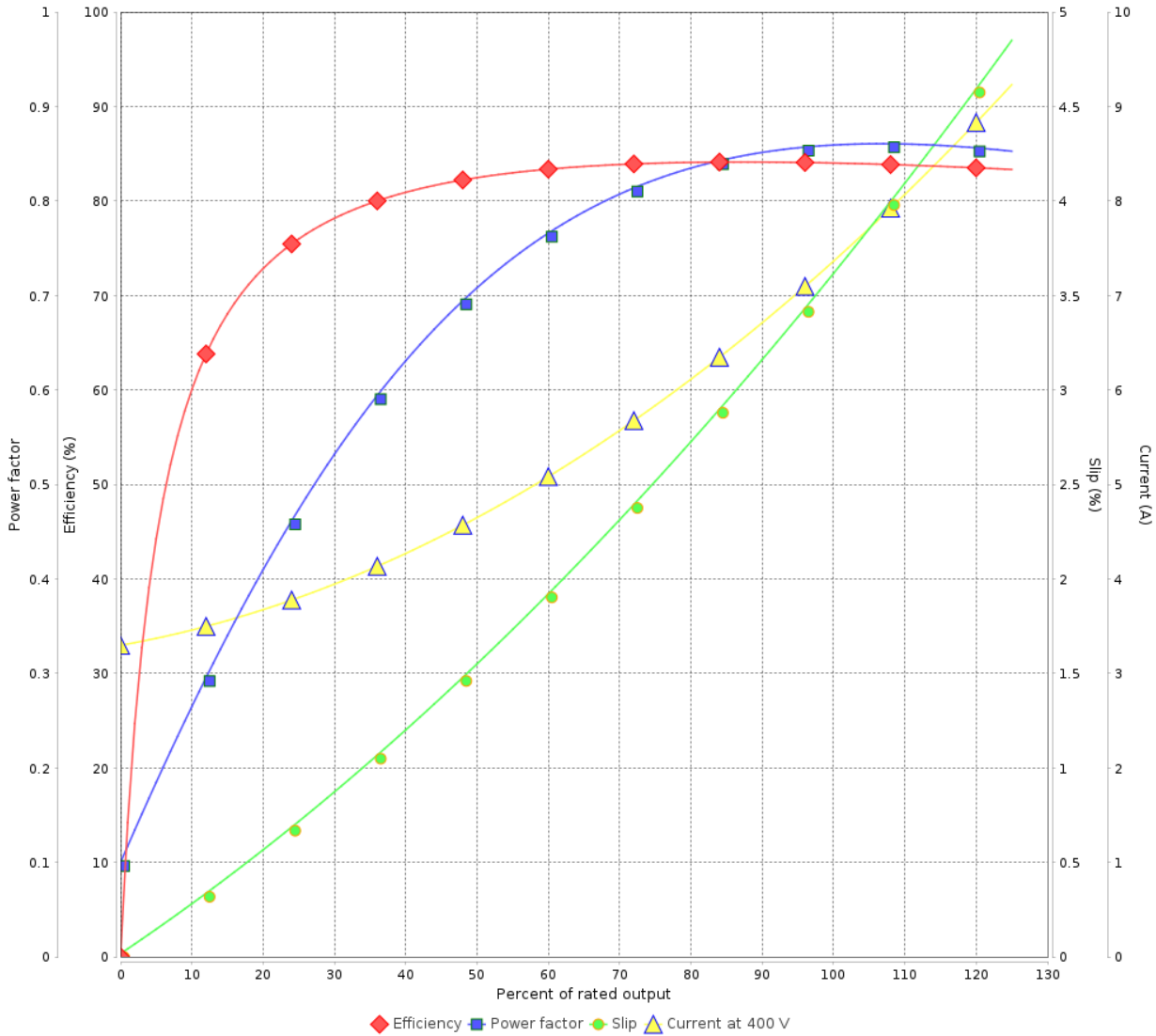
Three Phase Induction Motor - Squirrel Cage



Customer :

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

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Performance : 400 V 50 Hz 2P IE1

Rated current	: 7.39 A	Moment of inertia (J)	: 0.0054 kgm ²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.26 kgfm	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 105 K
Rated speed	: 2890 rpm	Design	: B

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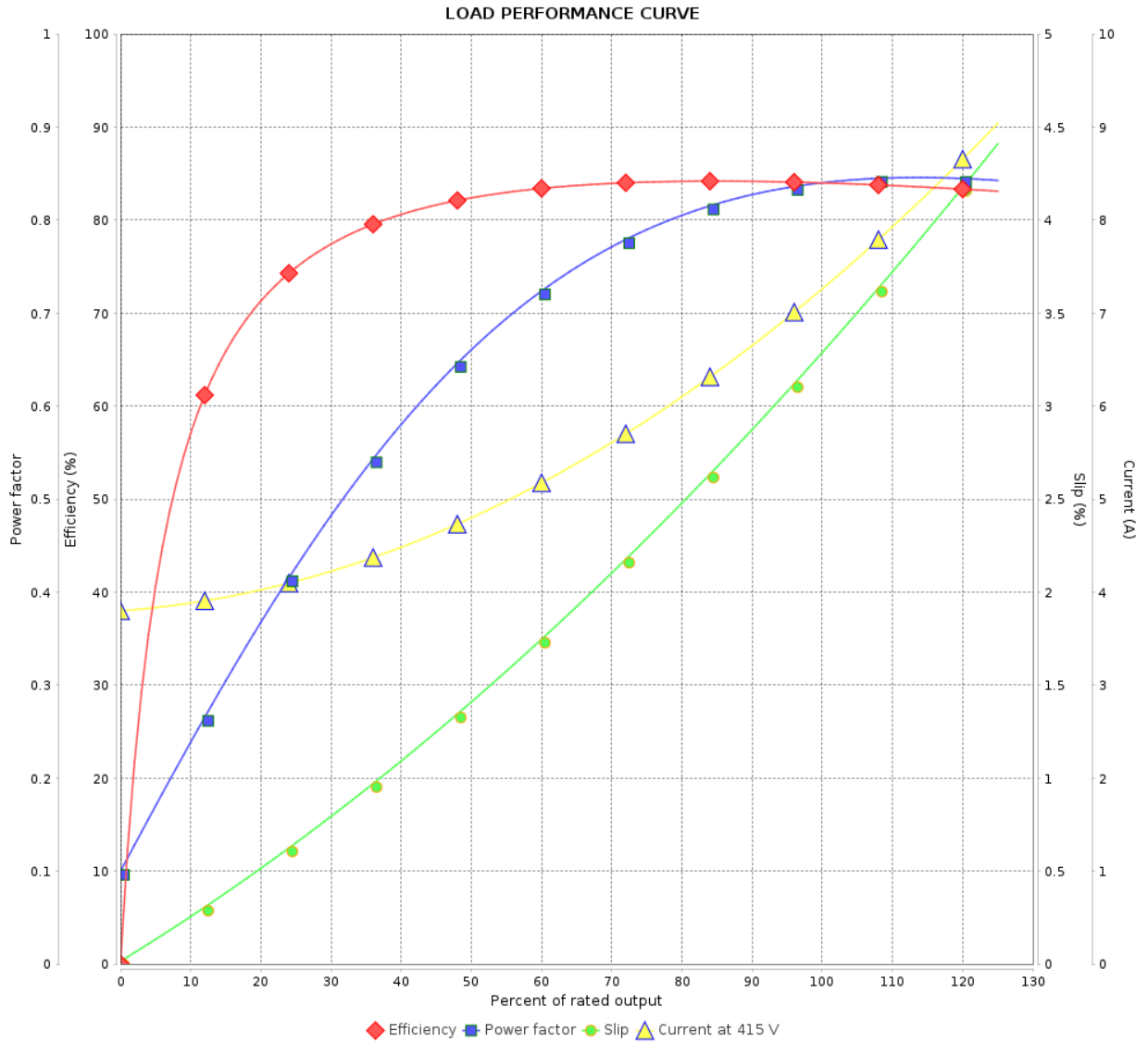
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Performance : 415 V 50 Hz 2P IE1

Rated current : 7.30 A
 LRC : 6.6
 Rated torque : 1.25 kgfm
 Locked rotor torque : 180 %
 Breakdown torque : 260 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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