

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. 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				
Checked by			Page	Revision
Date	09/05/2026		1 / 5	

LOAD PERFORMANCE CURVE

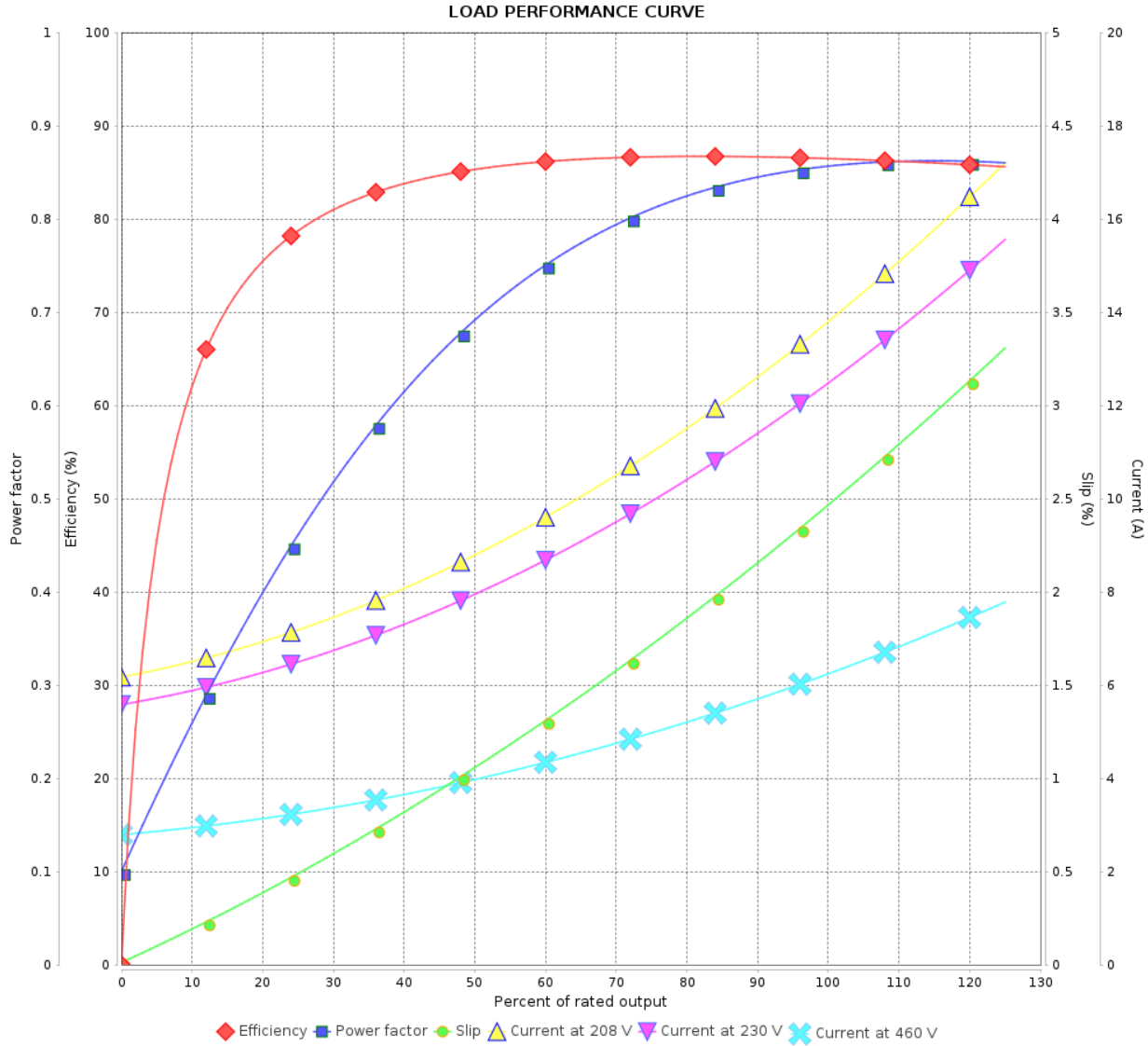
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 5	Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

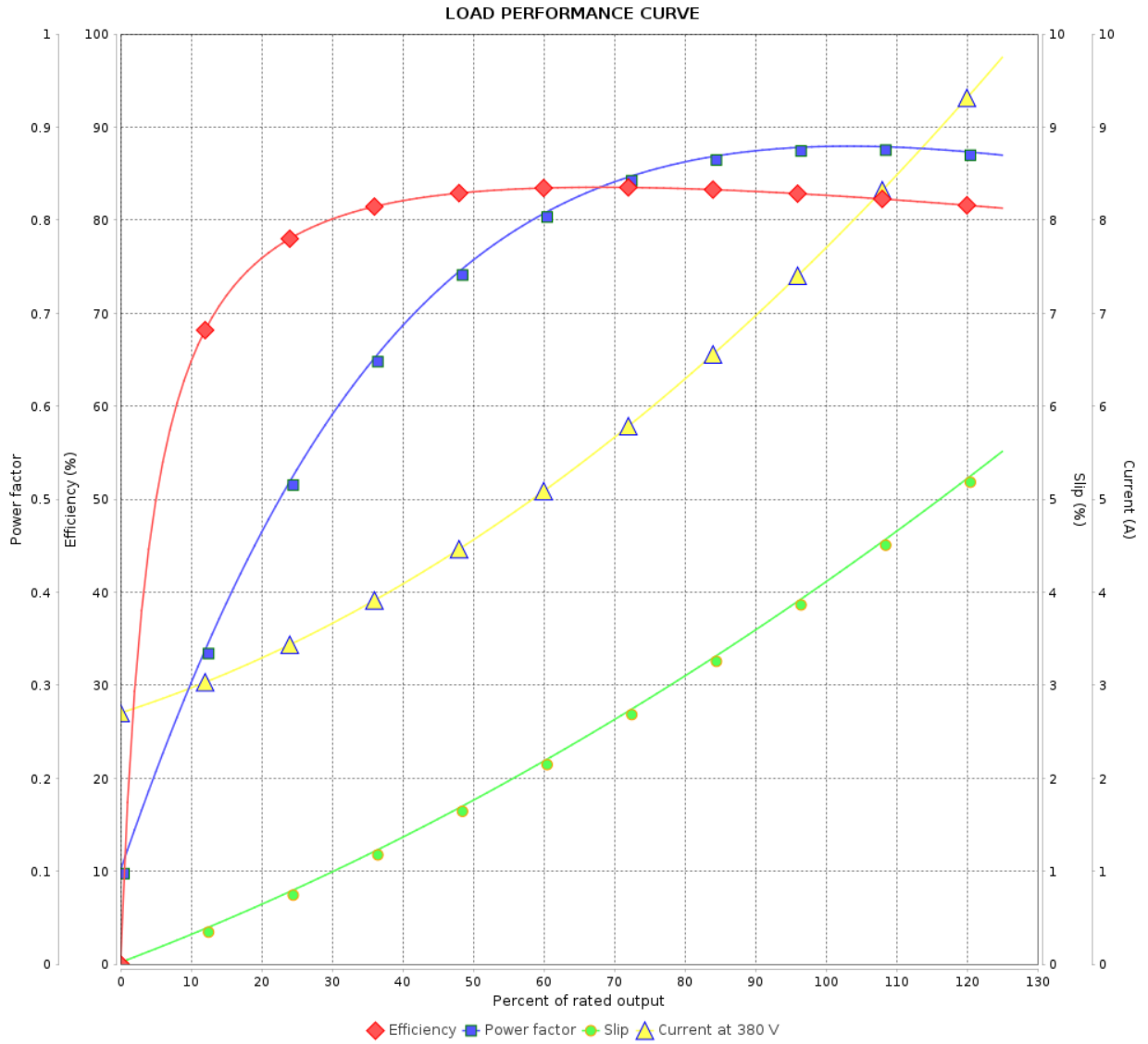
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 3 / 5		Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

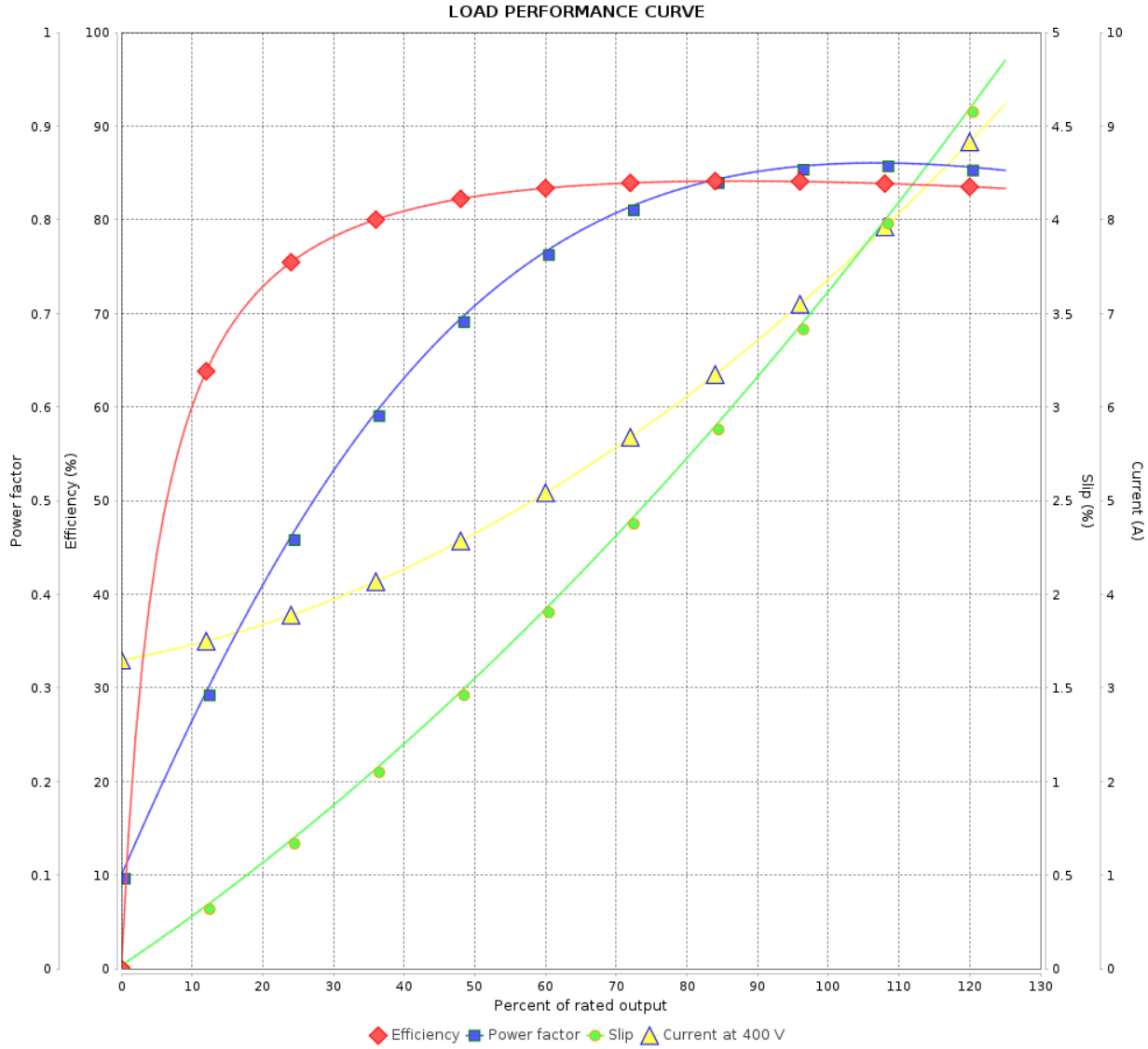
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General High Efficiency Three-Phase

Product code : 11074488



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 4 / 5		Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

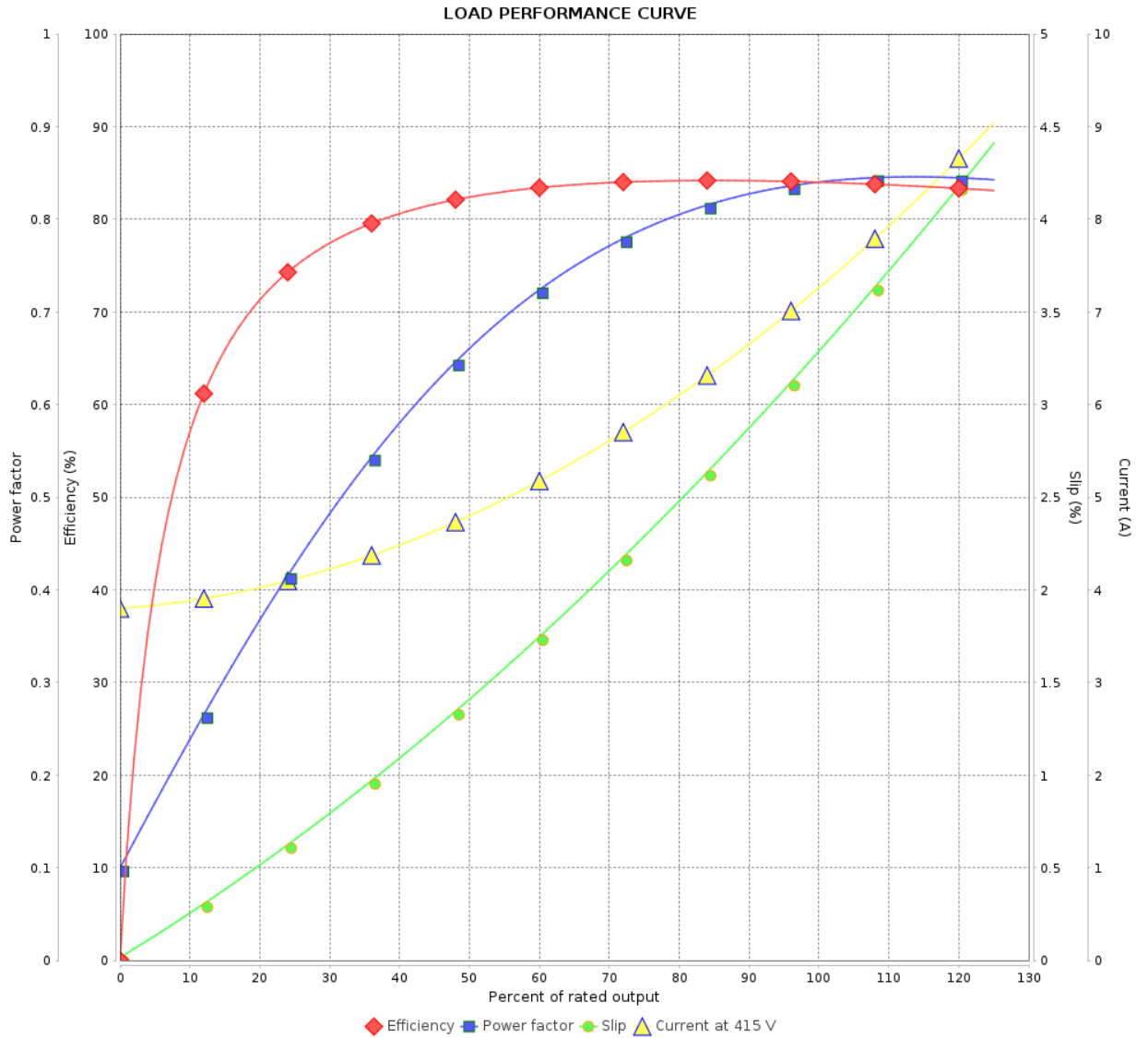
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11074488



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 5 / 5		Revision
Checked by				
Date				