DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

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

Phase

Frame : 182TC Cooling method : IC01 - ODP Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)
Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 27.8 kg

Protection degree : IP21 Moment of inertia (J) : 0.0054 kgm²

Protection degree		: IP21	Moment of ine	Moment of inertia (J) : 0.0054 kgm²			
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 [RPN	<u>/ </u>	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)					
	25%						
Efficiency (%)	50%	85.5	82.5	82.5	82.5		
Efficiency (70)	75%	86.5	84.0	84.0	84.0		
	100%	86.5	82.5	84.0	84.0		
	25%						
Power Factor	50%	0.70	0.76	0.71	0.66		
I OWEI FACIOI	75%	0.80	0.85	0.82	0.79		
	100%		0.88	0.86	0.84		

Bearing type : 6206 ZZ 6205 ZZ 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/11/2025			1/5	

Three Phase Induction Motor - Squirrel Cage



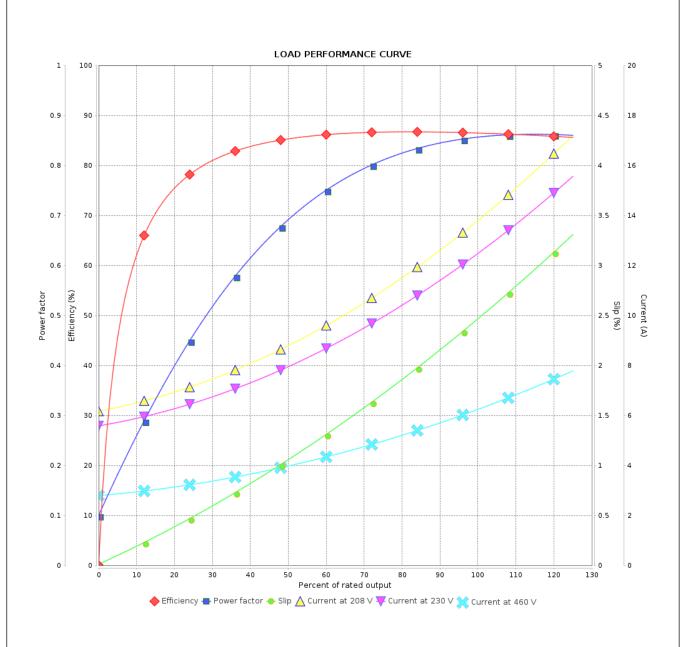
Customer :

Product line : General High Efficiency Three-

Product code:

11074488





Performance	: 230/460 V 60 Hz 2P				
Rated current LRC	: 12.5/6.24 A : 7.1	Moment of inertia (J) Duty cycle		: 0.0054 kgm² : Cont.(S1)	
Rated torque Locked rotor torque	: 1.03 kgfm : 180 %	Insulation class Service factor		: F : 1.15	
Breakdown torque	: 290 %	Temperature rise		: 105 K	
Rated speed	: 3510 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

2/5

13/11/2025

Date

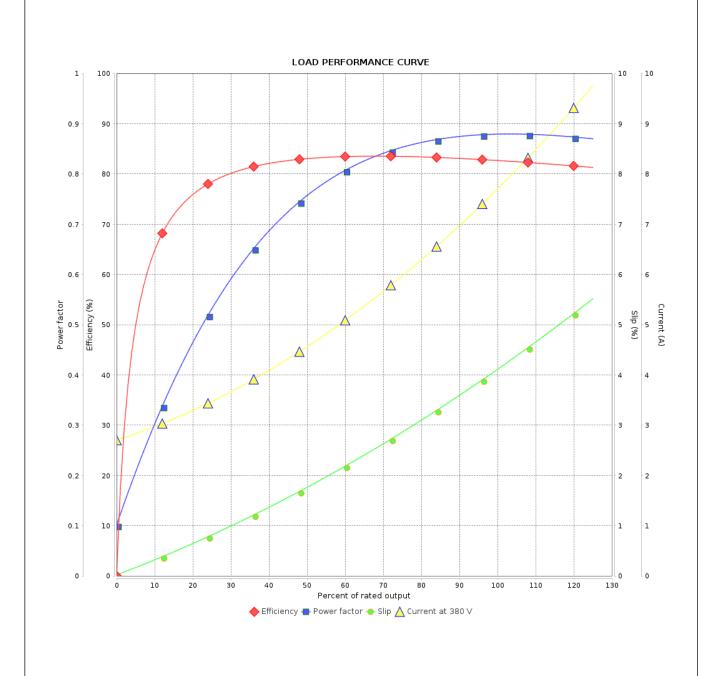
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Phase



Performance	: 380 V 50 Hz 2P				
Rated current	: 7.74 A	Moment of	of inertia (J)	: 0.0054 kgm	2
LRC	: 5.6	Duty cycle		: Cont.(S1)	
Rated torque	: 1.26 kgfm	Insulation class		:F	
Locked rotor torque	: 150 %	Service factor		: 1.00	
Breakdown torque	: 210 %	Temperature rise		: 105 K	
Rated speed	: 2875 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date

•		•			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/11/2025			3/5	

Three Phase Induction Motor - Squirrel Cage



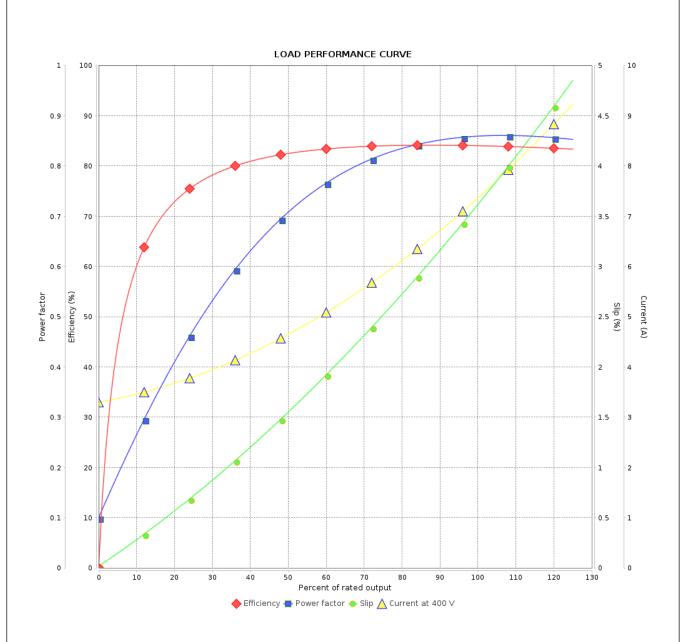
Customer :

Product line : General High Efficiency Three-

Product code:

11074488





Performance	: 400 V 50 Hz 2P IE1				
Rated current	: 7.39 A	Moment of inertia (J)		: 0.0054 kgm²	
LRC	: 6.2	Duty cycle		: Cont.(S1)	
Rated torque	: 1.26 kgfm	Insulation cla	ass	: F	
Locked rotor torque	: 160 %	Service factor		: 1.00	
Breakdown torque	: 240 %	Temperature rise		: 105 K	
Rated speed	: 2890 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

4/5

13/11/2025

Date

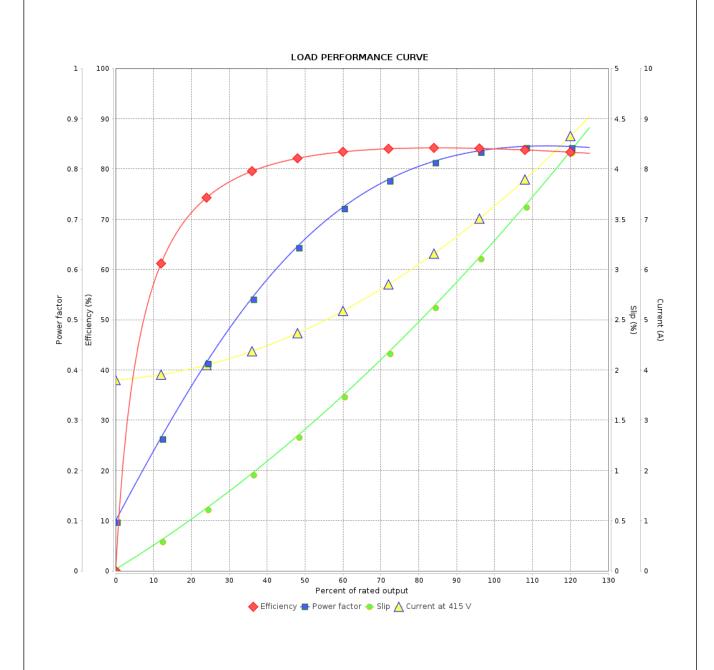
Three Phase Induction Motor - Squirrel Cage



Customer :

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

Phase



Performance	: 415 V 50 Hz 2P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.30 A : 6.6 : 1.25 kgfm : 180 % : 260 % : 2900 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0054 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

5/5

13/11/2025

Date

