## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer :			
Product line	: General High Efficiency Thr Phase	ree- Product code :	11994523
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design	: E143/5TC : 2 HP (1.5 kW) : 4 : 60 Hz : 230/460 V : 5.80/2.90 A : 45.2/22.6 A : 7.8x(Code L) : 3.60/1.80 A : 1730 rpm : 3.89 % : 0.839 kgfm : 340 % : 320 % : F : 1.15 : 0.0068 kgm² : B	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 20.2 kg

Foundation loads

Efficiency (%) 82.5 84.0 84.0 Max. traction
Power Factor 0.58 0.70 0.78 Max. compression

75%

Drive endNon drive endBearing type: 6205 ZZ6204 ZZSealing: Without Bearing SealWithout Bearing Seal

100%

Lubrication interval : - -

Lubricant amount : - - - Lubricant type : Mobil Polyrex EM

Notes

Output

USABLE @208V 6.30A SF 1.00 SFA 6.30A

50%

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.

: 66 kgf

: 86 kgf

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Checked by				Page	Revision
Date	14/11/2025	1		1/2	

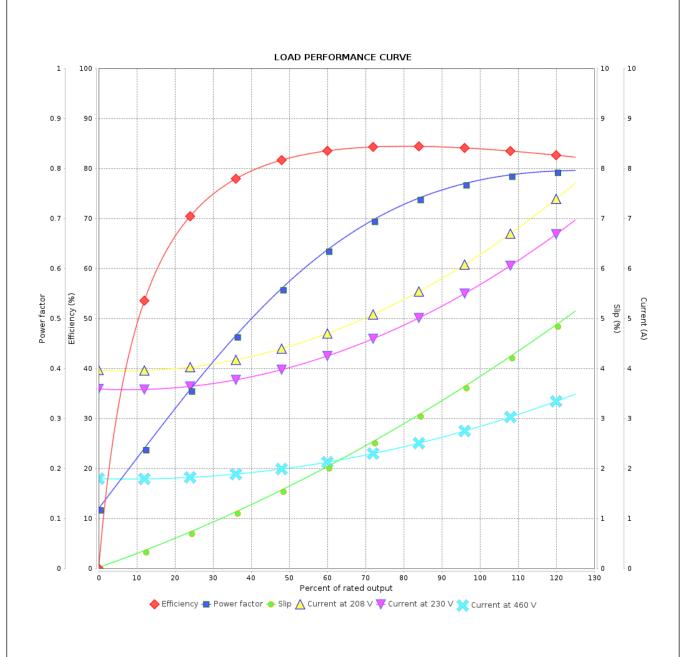
## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer

Product line : General High Efficiency Three-Product code: 11994523



Performance	: 23	30/460 V 60 Hz 4P				
Rated current	: 5.	80/2.90 A	Moment o	of inertia (J)	: 0.0068 kgm²	2
LRC	: 7.	8	Duty cycle		: Cont.(S1)	
Rated torque	: 0.	839 kgfm	Insulation class		:F	
Locked rotor tord	que : 34	40 %	Service factor		:	
Breakdown torqu	ue : 32	20 %	Temperat	ure rise	: 80 K	
Rated speed	: 17	730 rpm	Design		: B	
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