

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase Product code : 12233809

Frame	: 132M	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 12.5 HP (9.2 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230-460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 31.1-15.5 A	Protection degree	: IP55
L. R. Amperes	: 271-135 A	Cooling method	: IC411 - TEFC
LRC	: 8.7	Mounting	: B35L(E)
No load current	: 15.0-7.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 58.0 dB(A)
Slip	: 1.94 %	Vibration	: A
Rated torque	: 5 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 250 %	Approx. weight ³	: 74.0 kg
Breakdown torque	: 380 %	Painting plan	: 207A (ISO 12944 - C3)
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.00	Design	: N
Moment of inertia (J)	: 0.0638 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	89.7	91.0	91.7	Max. traction	: 324 kgf
Power Factor	0.00	0.62	0.74	0.81	Max. compression	: 398 kgf

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

Notes
- IE3
- Aluminum frame

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		Page 1 / 2 Revision		
Checked by				
Date	30/09/2026			

LOAD PERFORMANCE CURVE

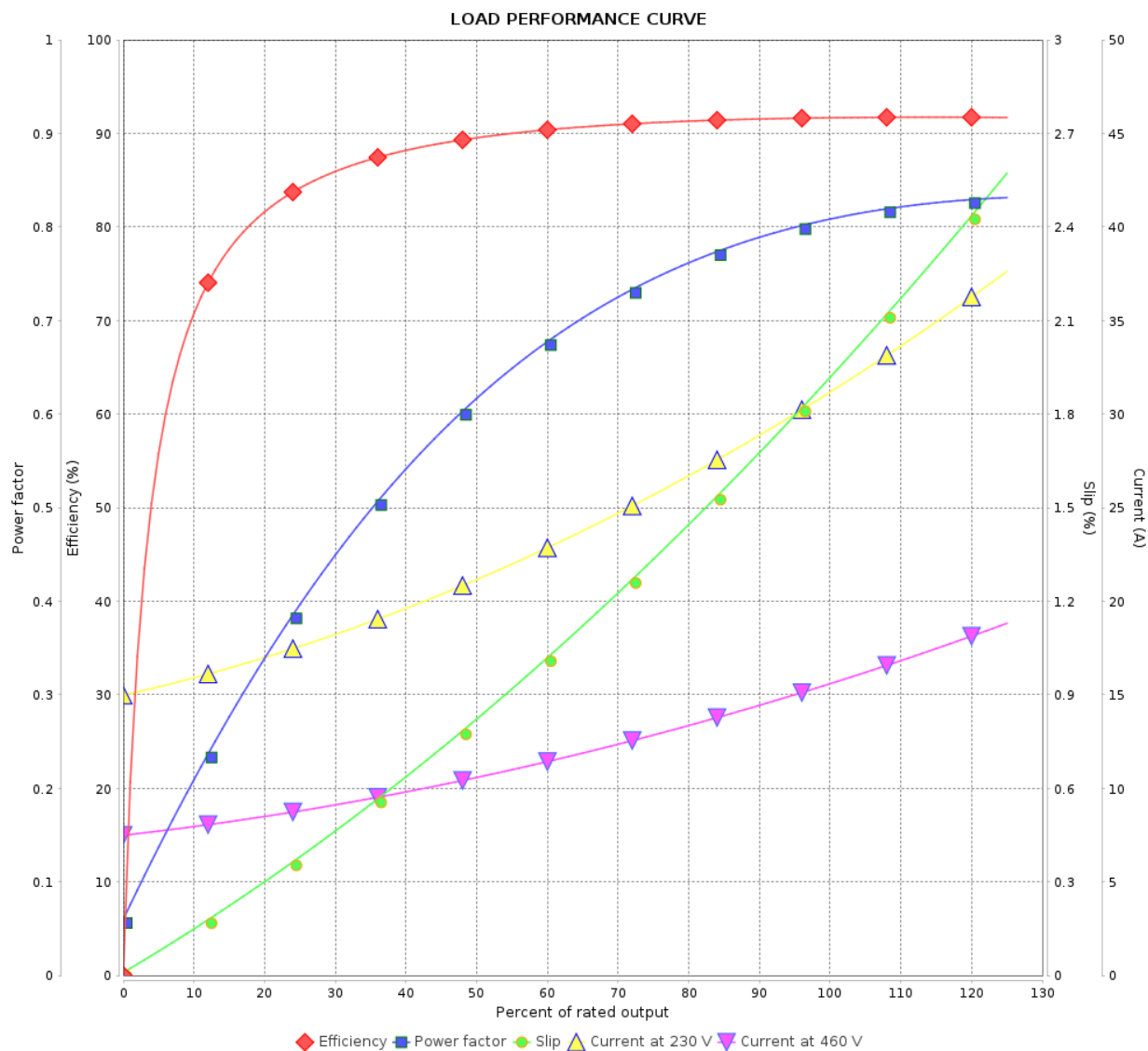
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code : 12233809



Performance : 230-460 V 60 Hz 4P

Rated current : 31.1-15.5 A
LRC : 8.7
Rated torque : 5 kgfm
Locked rotor torque : 250 %
Breakdown torque : 380 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.0638 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	30/09/2026				