

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 18733373

Frame	: 254LP	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.0 A	Protection degree	: IP55
L. R. Amperes	: 93.8 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code G)	Mounting	: W-6
No load current	: 4.42 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3540 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight ³	: 169 kg
Rated torque	: 3.08 kgfm		
Locked rotor torque	: 180 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0425 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	87.4	89.4	91.0	Max. traction : 0 kgf
Power Factor	0.00	0.76	0.84	0.87	Max. compression : 0 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.3	7.0	6.6	5.1	2.9	1.9	1.1

	Drive end	Non drive end
Bearing type	: 6309	: 7309BECB
Sealing	: Oil Seal	: Not Applicable
Lubrication interval	: 7898 h	: 4933 h
Lubricant amount	: 13 g	: 13 g
Lubricant type	: Mobil Polyrex EM	

Notes

In Line Extra Thrust - NEMA Premium Efficiency

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				
Date	20/07/2026			
			Page	Revision
			1 / 2	

LOAD PERFORMANCE CURVE

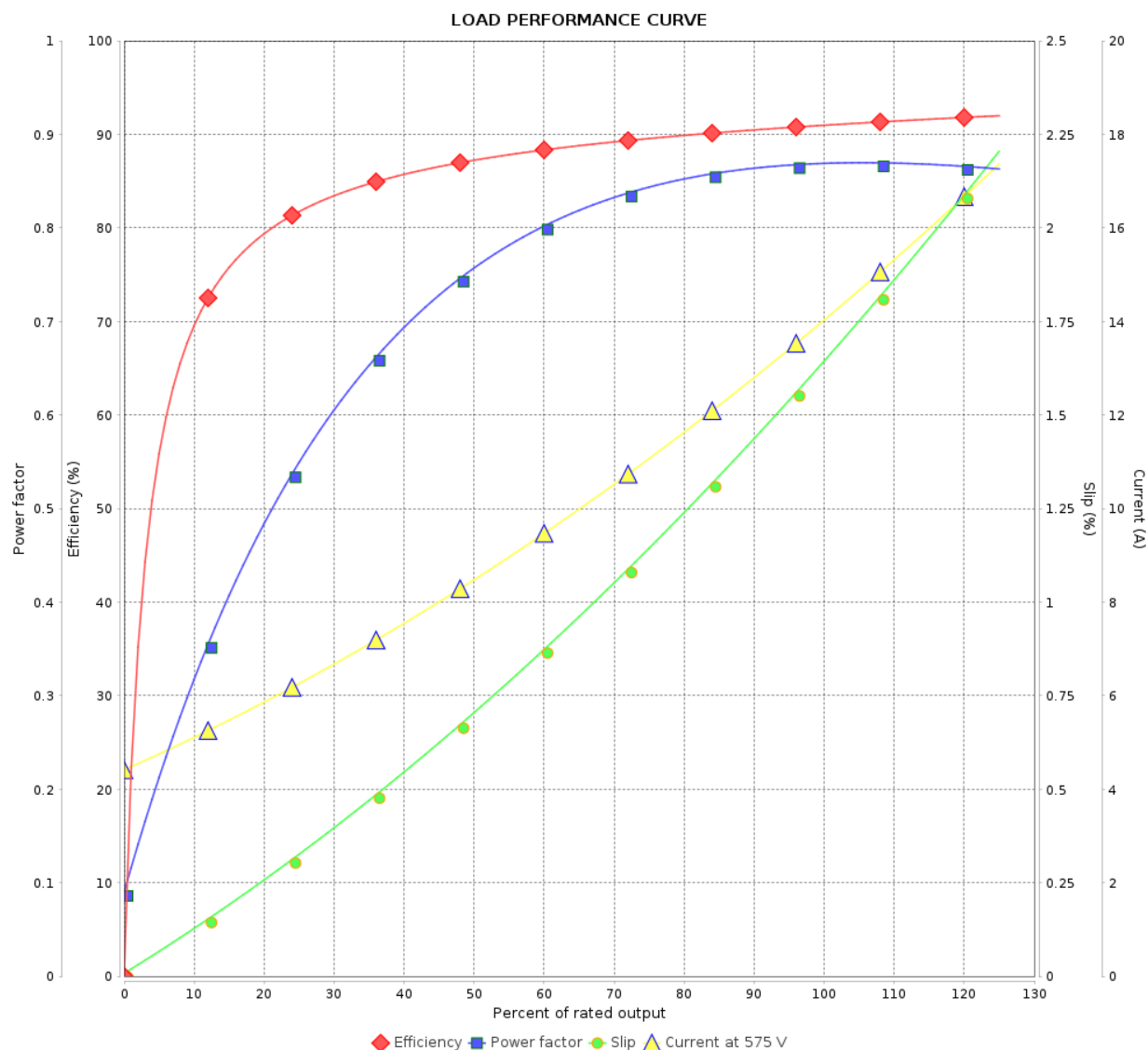
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA
Premium Efficiency Three-Phase

Product code : 18733373



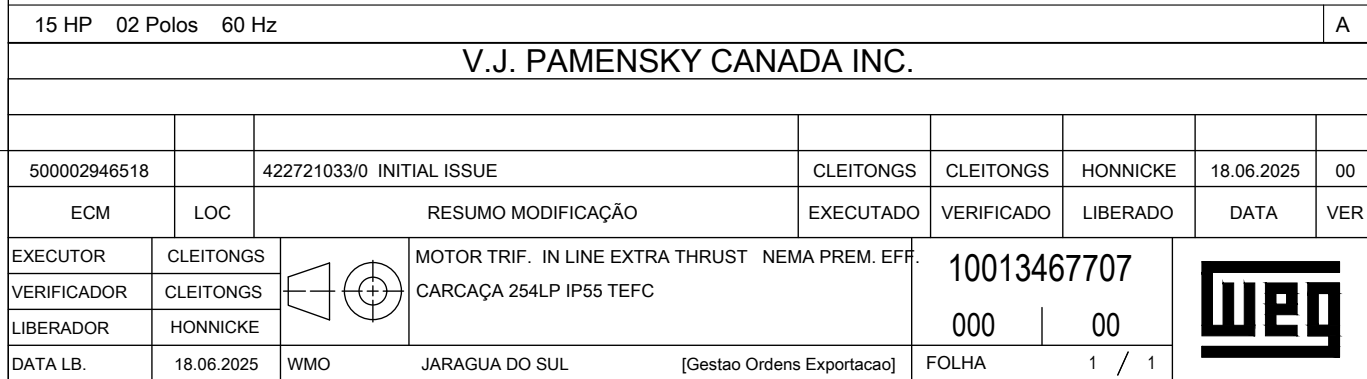
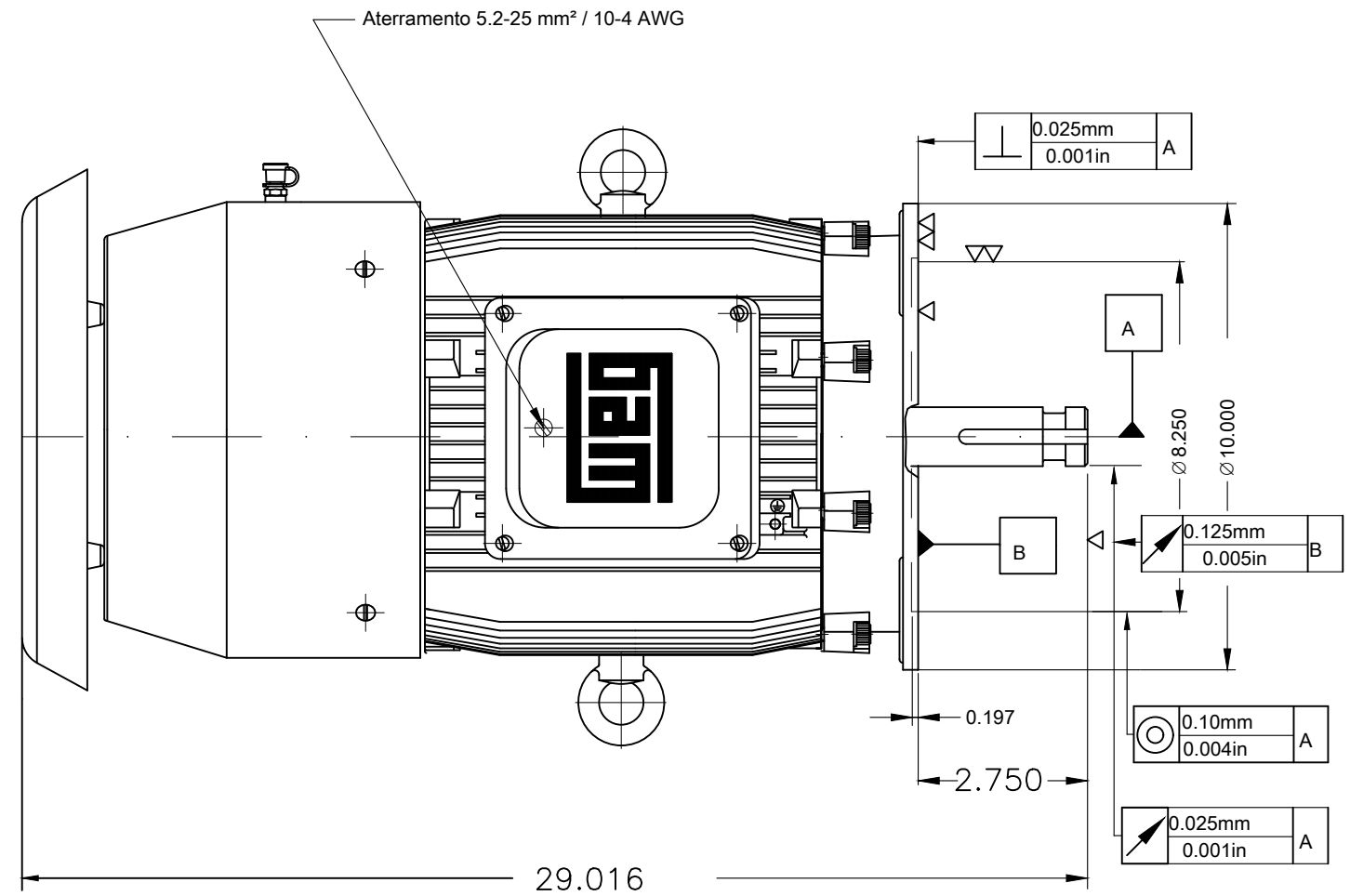
Performance : 575 V 60 Hz 2P

Rated current : 14.0 A
LRC : 6.7
Rated torque : 3.08 kgfm
Locked rotor torque : 180 %
Breakdown torque : 290 %
Rated speed : 3540 rpm

Moment of inertia (J) : 0.0425 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
Checked by				
Date	20/07/2026			

MOTOR DEVE SER LIGADO APENAS NA POSIÇÃO VERTICAL
MOTOR MUST BE ENERGIZED ONLY IN THE VERTICAL POSITION



Propriedade da WEG. Proibida reprodução sem autorização prévia.

1713697603-00

CÓPIA SEM CONTROLE

LIBERADO SISTEMA Dimensões em polegada

XME	A3
-----	----