DATA SHEET

Three Phase Induction Motor - Squirrel Cage
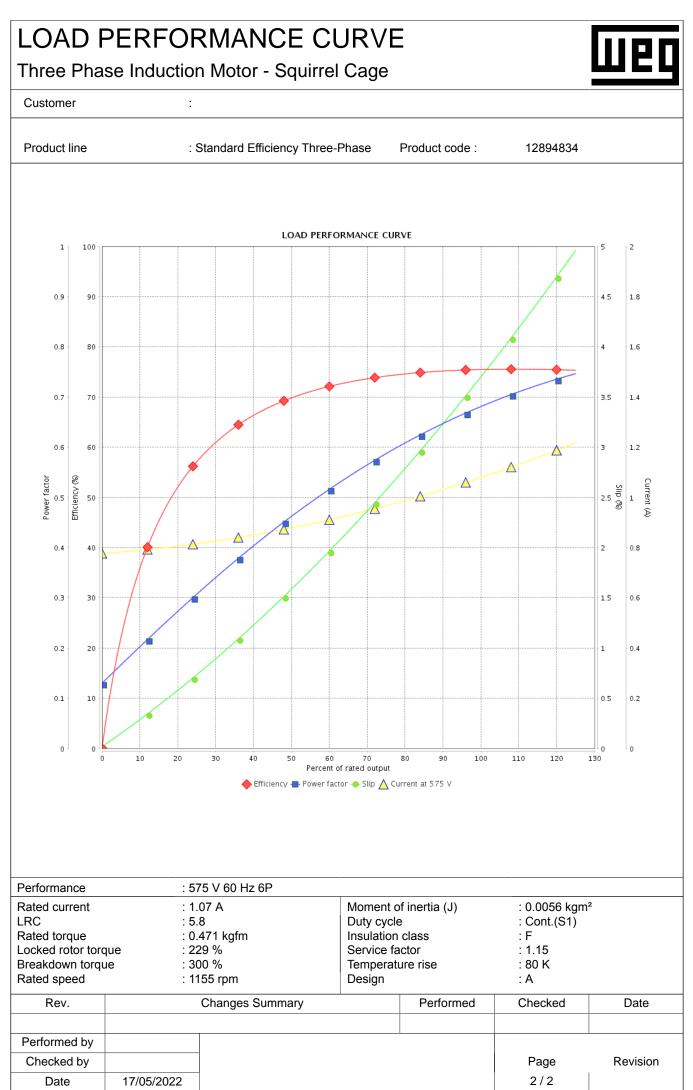
WEG

Customer	:

Product line	: Standard Efficiency Three-Phase	Product code :	12894834

Frame	: 56C	Cooling method	: IC411 - TEFC
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	: 13.4 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0056 kgm²
Design	: A		

Output [HP]	0.75
Poles	6
Frequency [Hz]	60
Rated voltage [V]	575
Rated current [A]	1.07
L. R. Amperes [A]	6.22
LRC [A]	5.8x(Code K)
No load current [A]	0.777
Rated speed [RPM]	1155
Slip [%]	3.75
Rated torque [kgfm]	0.471
Locked rotor torque [%]	229
Breakdown torque [%]	300
Service factor	1.15
Temperature rise	80 K
Locked rotor time	37s (cold) 21s (hot)
Noise level²	50.0 dB(A)

	25%	
Efficiency (%)	50%	70.0
	75%	74.0
	100%	75.5

	25%	
Power Factor	50%	0.46
	75%	0.59
	100%	0.68

		Drive end	Non drive end	Foundation loads	
Bearing type	:	6203 ZZ	6202 ZZ	Max. traction	: 38 kgf
Sealing	:	V'Ring	Without Bearing Seal	Max. compression	: 52 kgf
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			

Notes

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.

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

WEG

Customer	:

Product line	: Standard Efficiency Three-Phase	Product code :	12894834

LOAD PERFORMANCE CURVE

Legend: ◆ Efficiency ■ Power factor ● Slip △ Current at 575 V

Y-axes: Power factor / Efficiency (%) / Slip (%) / Current (A)
X-axis: Percent of rated output

Performance	: 575 V 60 Hz 6P		
Rated current	: 1.07 A	Moment of inertia (J)	: 0.0056 kgm²
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.471 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1155 rpm	Design	: A

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4.547

4.114

Grounding

0.881"

7.638

5.886

UNC 3/8"x16-2B

2.638

ø 5.874

ø 6.449

90°

45°

ø 4.500

2.062

1.417

0.157

1.874
±0.008

7.087

12.717

0.6250
0.6245

0.187

0.187 — 0.517

DE Shaft End

						HYBRISUSER					00
ECM	LOC		SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED		DATE	VER

Color Munsell N 1 matte black

Painting plan 207N

Mounting F-1/B14R(D)

EXECUTED	HYBRISUSER		THREE PH. MOTOR ROLLED STEEL		PREVIEW	
CHECKED			FRAME 56C IP55 TEFC		WDD	00
RELEASED						
0.75 HP 06 Poles 60 Hz		A	REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1

WEG

XME   A3