

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13443168

Frame	: 132S	Locked rotor time	: 70s (cold) 39s (hot)
Output	: 5.5 HP (4 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 5.41 A	Protection degree	: IP55
L. R. Amperes	: 54.6 A	Cooling method	: IC411 - TEFC
LRC	: 10.1	Mounting	: B3R(D)
No load current	: 2.58 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 2.26 kgfm	Approx. weight ³	: 69.0 kg
Locked rotor torque	: 260 %		
Breakdown torque	: 430 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0528 kgm ²		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	86.3	88.6	89.5	Max. traction : 145 kgf
Power Factor	0.00	0.65	0.76	0.83	Max. compression : 214 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)
12.9	11.2	10.5	6.3	4.4	3.0	2.2

	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

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	25/10/2024		Page 1 / 2	Revision

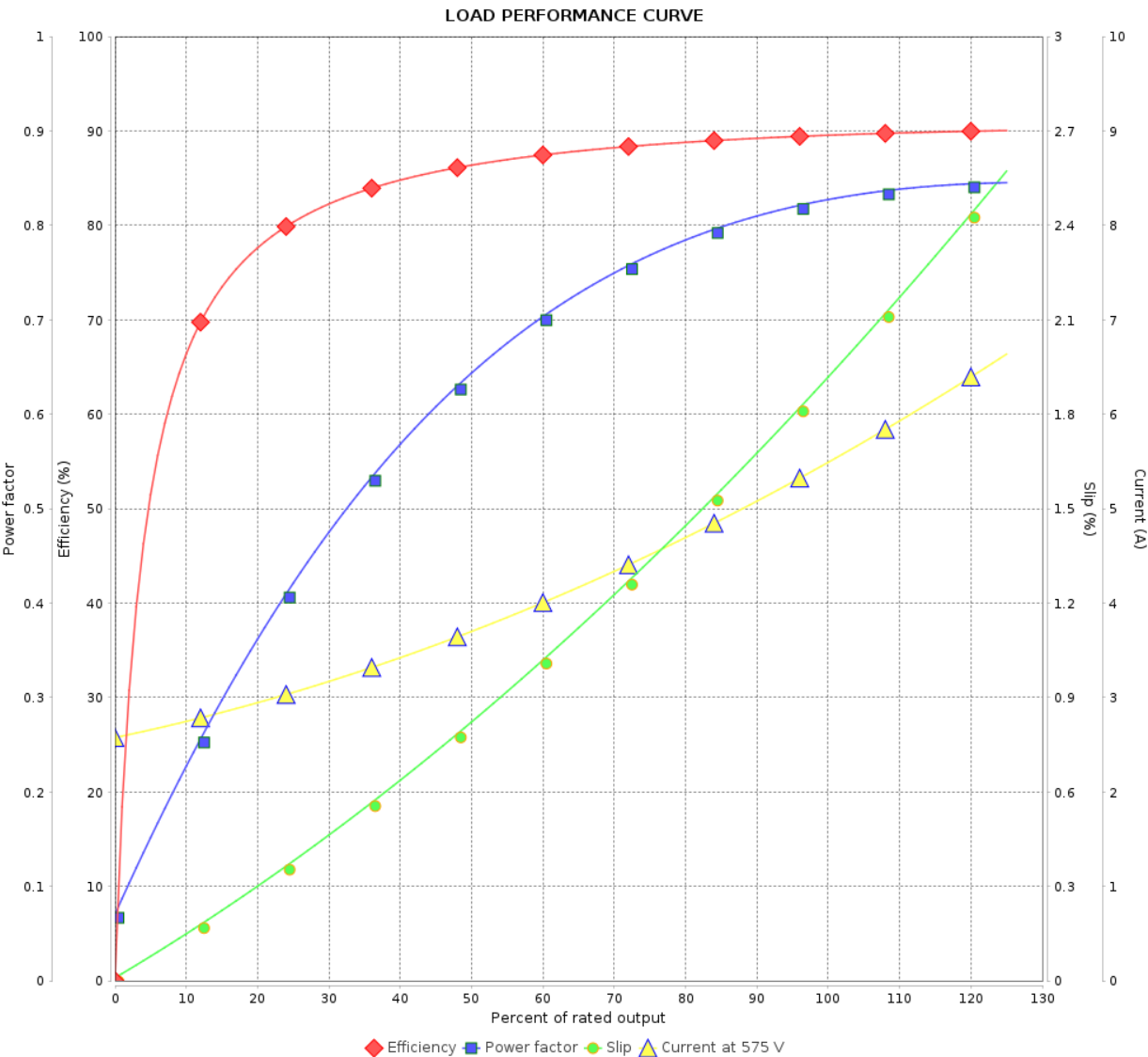
LOAD PERFORMANCE CURVE

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Customer :

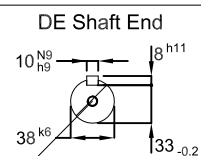
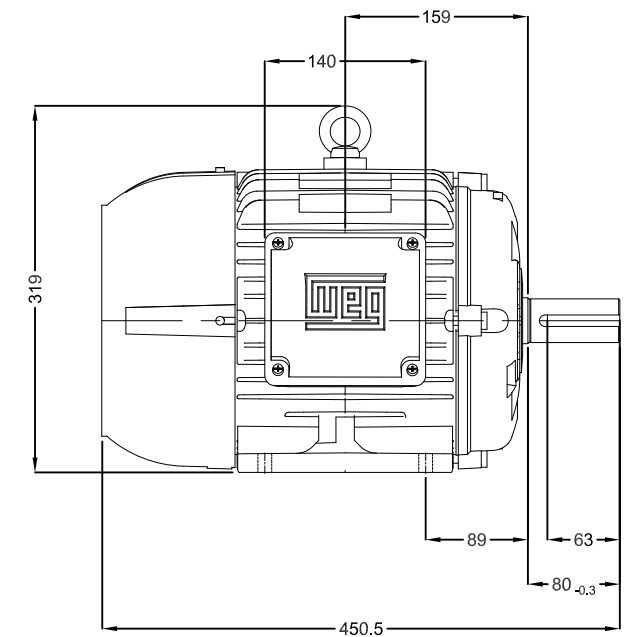
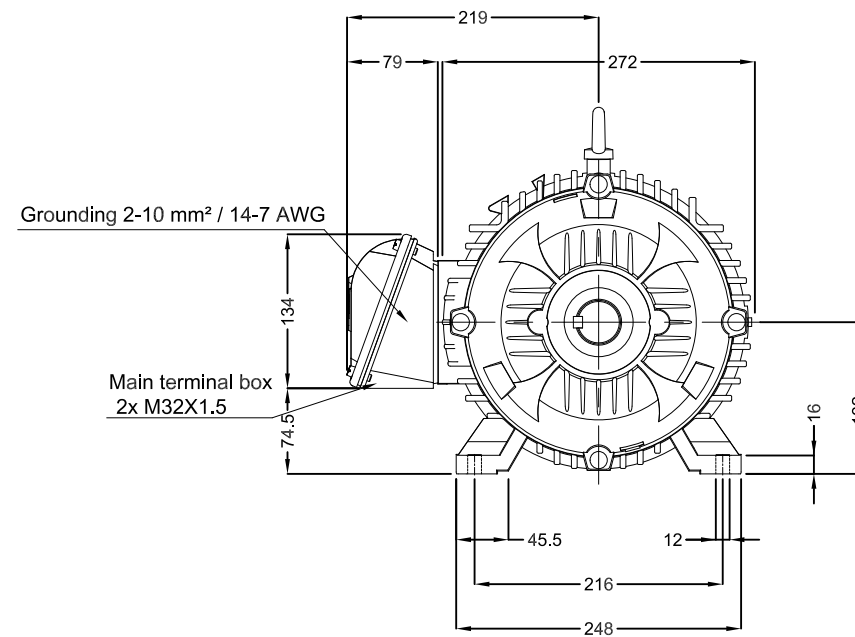
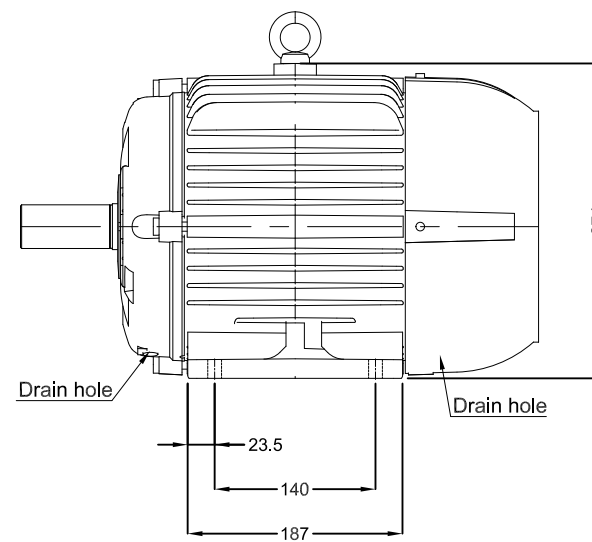
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Performance : 575 V 60 Hz 4P

Rated current	: 5.41 A	Moment of inertia (J)	: 0.0528 kgm ²
LRC	: 10.1	Duty cycle	: S1
Rated torque	: 2.26 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.25
Breakdown torque	: 430 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: N

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DM12 WEG WPR-7339 (DS DIN332)

Color RAL 5009
Painting plan 207A
Mounting B3R(D)

5.5 HP 04 Poles 60 Hz										A
							HYBRISUSER			00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER		THREE PH. MOTOR W22 IE3 FRAME 132S IP55 TEFC				PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		/		