DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 IE3 Three-Phase Product code : 14787356

Frame	: L132M/L	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 11 kW (15 HP)	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	: 14.9 A	Protection degree	: IP55
L. R. Amperes	: 140 A	Cooling method	: IC411 - TEFC
LRC	: 9.4	Mounting	: B35R(E)
No load current	: 7.65 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level²	: 58.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 6.07 kgfm	Approx. weight³	: 99.0 kg
Locked rotor torque	: 260 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0777 kgm²		
Design	: N		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	91.0	91.8	92.6
Power Factor	0.00	0.62	0.74	0.80

Foundation loads

Max. traction : 343 kgf

Max. compression : 442 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)
7.8	6.4	6.0	4.4	3.0	2.2	1.5

		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 IEC 60034-1.

Rev.	Changes Summary	Performed	Checked	Date

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Date	24/10/2024		1 / 2	

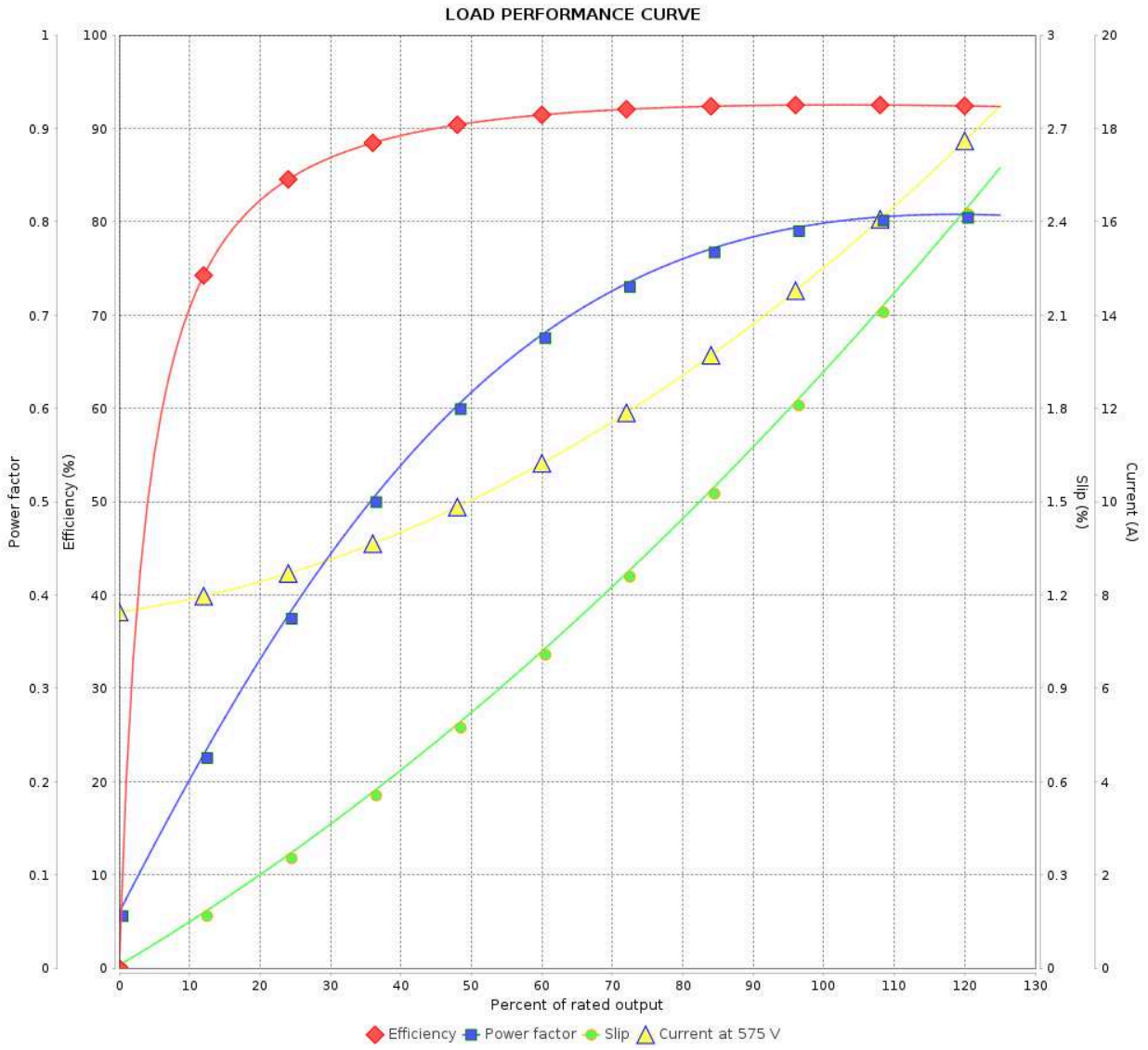
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 IE3 Three-Phase Product code : 14787356

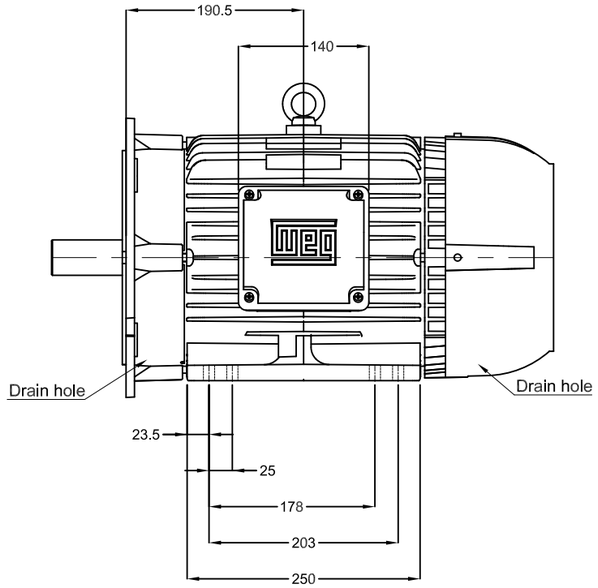


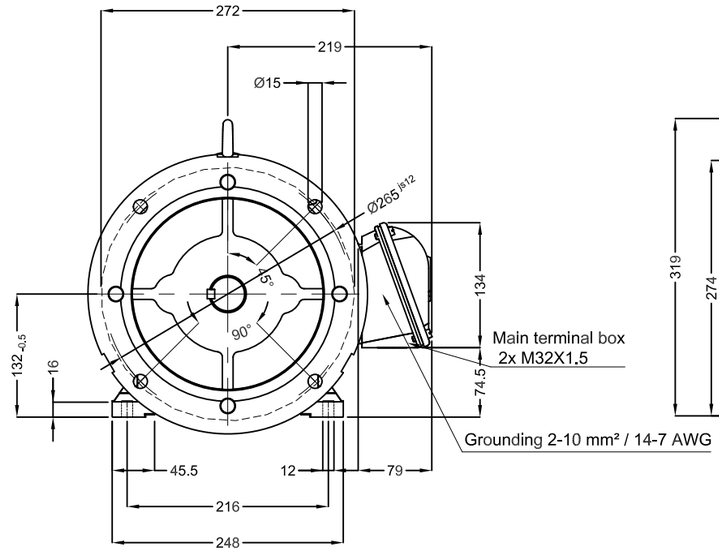
Performance	: 575 V 60 Hz 4P		
Rated current	: 14.9 A	Moment of inertia (J)	: 0.0777 kgm²
LRC	: 9.4	Duty cycle	: S1
Rated torque	: 6.07 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: N

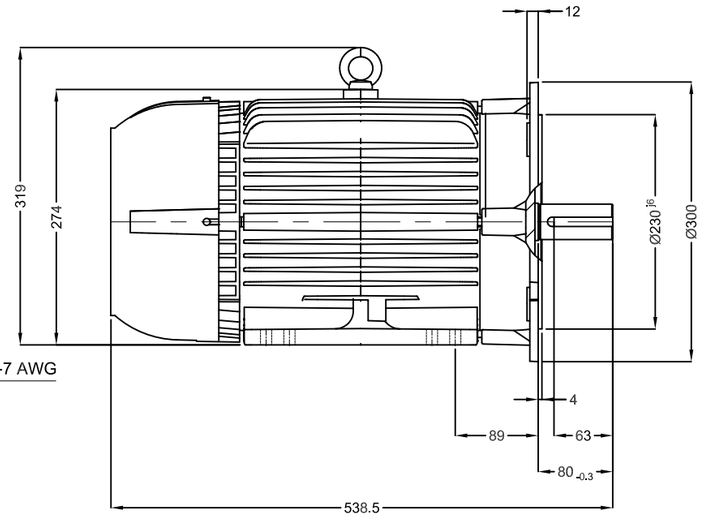
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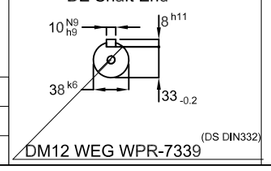


Color RAL 5009

Painting plan 207A

Mounting B35R(E)

DE Shaft End



11 kW 04 Poles 60 Hz | A

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

EXECUTED	HYBRISUSER	THREE PH. MOTOR W22 IE3	PREVIEW
CHECKED		FRAME L132M/L IP55 TEFC	WDD 00
RELEASED			
REL. DATE			SHEET /

Dimensions in mm

A3

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