

DATA SHEETPRELIMINARY
DOCUMENT

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 - IE2
Product code : 17008677

Frame	: 90L	Locked rotor time	: 7 s (hot) 13 s (cold)
Output	: 2.2 kW (3 HP)	Duty cycle	: S1
Poles	: 2	Ambient temperature	: -20 °C to +40 °C
Frequency	: 50 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 230 V	Protection degree	: IP55
Rated current	: 12.0 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 81.6 A	Mounting	: B3T
LRC	: 6.8	Rotation ¹	: Both
No load current	: 3.11 A	Noise level ²	: 66 dB(A)
Rated speed	: 2895 rpm	Starting method	: Direct On Line
Slip	: 3.50 %	Approx. weight ³	: 27.0 kg
Rated torque	: 0.740 kgfm	Design	:
Locked rotor torque	: 230 %		
Pull up torque	: 195 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0028 kgm ²		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	79.0	83.0	83.2	Load torque	: -
Power Factor	0.94	0.95	0.96	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end 6205-ZZ	Non drive end 6203-ZZ	Foundation loads	
Lubrication interval	-	-	Max. traction	: -
Lubricant amount	-	-	Max. compression	: -
Lubricant type	POLYUREA BASED GREASE			

Notes:

Standards	Specification	: IEC 60034-1	Vibration	:
	Test	: IEC 60034-2	Tolerance	: IEC 60034-1
	Noise	: IEC 60034-9		

This revision replaces and cancel the previous one, which must be eliminated..

(1) Looking the motor from the shaft end.

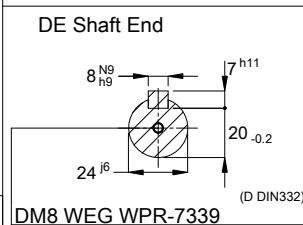
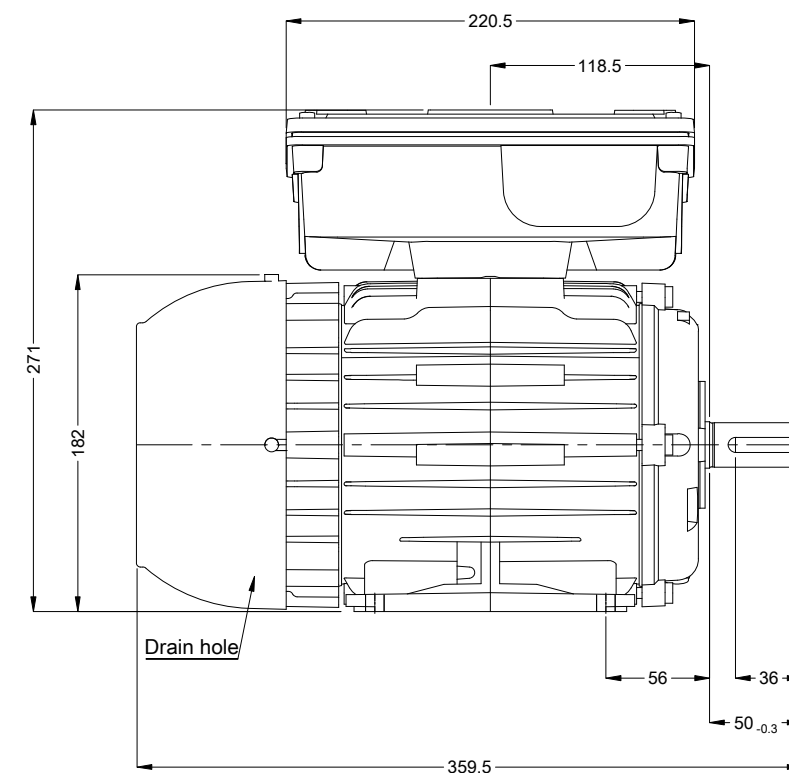
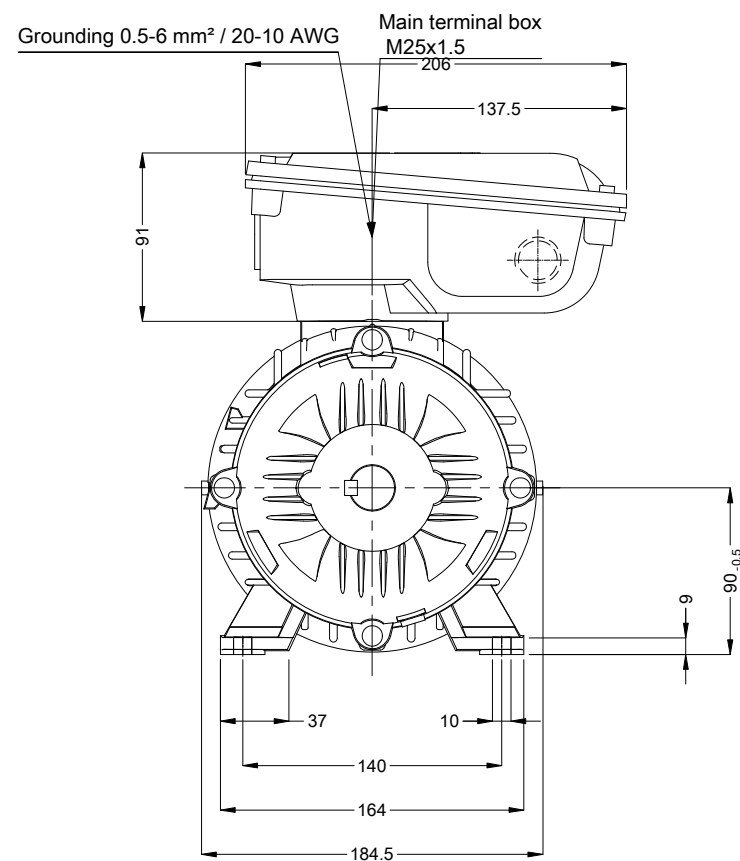
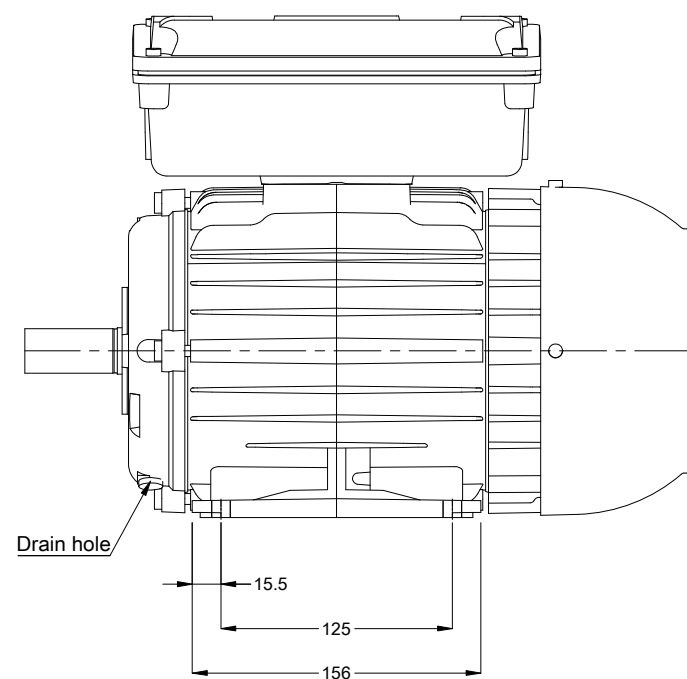
(2) Measured at 1m and with tolerance of +0dB(A).

(3) Approximate weight, subject to be changed 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
Performed by				Page 1/1	Revision 0
Checked by					
Date	2026/10/16				



2.2 kW 02 Poles 50 Hz							A
						Scale 1 : 4	
						HYBRISUSER	00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED
EXECUTED	HYBRISUSER		SINGLE PH. MOTOR W22 IE2 FRAME 90L IP55 TEFC			PREVIEW WDD 00	
CHECKED							
RELEASED							
REL. DATE							
						SHEET	1 / 1
							