

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : WEG ELECTRIC CORPORATION - WEC

Product line : Special Motor

Frame	: 80	Locked rotor time	: 6 s (hot) 11 s (cold)
Output	: 1.1 kW	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230 V	Altitude	: 3280 ft
Rated current	: 6.86 A	Protection degree	: IP55
L. R. Amperes	: 48.0 A	Cooling method	: IC411 - TEFC
LRC	: 7.0	Mounting	: B35L(D)
No load current	: 3.80 A	Rotation ¹	: Both
Rated speed	: 1740 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.33 %	Vibration class	: NOT APPLICABLE
Rated torque	: 4.45 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 230.0 %	Coupling	: Direct
Pull up torque	: 195.0 %	Approx. weight ³	: 44.5 lb
Breakdown torque	: 210.0 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.15		
Moment of inertia (J)	: 0.0902 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	65.0	72.0	75.0
Power Factor	0.84	0.90	0.93

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type	6204-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -

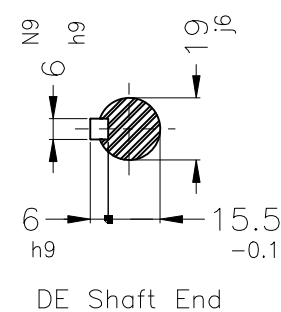
Notes
W22

Standards	Specification	: IEC 60034-1 / ABNT NBR 17094-2	Vibration	: IEC 60034-14
	Test	: IEC 60034-2 / ABNT NBR 17094-4	Tolerance	: IEC 60034-1 / ABNT NBR 17094-2
	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 +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in ABNT-NBR 17094-2.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	lucaspiton			1560433737	
Checked by	AUTOMATICO			Page	Rev.
Date	16/07/2024			1 / 1	0



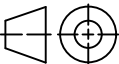
Grounding for leads 0.5–6 mm² / 20–10 AWG

M20x1,5 →
Main terminal box

Center hole
DM6 WEG WPR-7339
(DIN 332)

Dimensions in mm

KME	A3
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Mounting B35L(D)									
WEG ELECTRIC CORPORATION - WEC									
				PIRWBUSER					0
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VE
EXECUTED	PIRWBUSER		SINGLE PH. MOTOR W22 FRAME 80 IP55 TEFC			PREVIEW WDD 00			
CHECKED									
RELEASED									
REL. DATE		WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			