DATA SHEET

Three Phase Induction Motor - Squirrel Cage

WEG

Customer	:

Product line	: W22 Brake Motor NEMA Premium Efficiency Three-Phase	Product code :	13474022
		Catalog # :	00209ET3EBM213T-W22

Frame	: 213/5T	Locked rotor time	: 70s (cold) 39s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 8	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 7.49-6.78/3.39 A	Protection degree	: IP55
L. R. Amperes	: 56.9-51.5/25.7 A	Cooling method	: IC411 - TEFC
LRC	: 7.6x(Code M)	Mounting	: F-1
No load current	: 3.97-4.60/2.30 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 875 rpm	Noise level[2]	: 52.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 11.8 ft.lb	Approx. weight[3]	: 150 lb
Locked rotor torque	: 240 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 1.79 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.5	84.0	85.5	Max. traction	: 121 lb
Power Factor	0.45	0.55	0.65	Max. compression	: 271 lb

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	V'Ring	Lip Seal
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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Brake information

Voltage: 220/230/240 V
Brake Torque: 92.2 ft.lb

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