DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12208161
		Catalog # :	15009ET3G449T-W22

Frame	: 447/9T	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 80 K
Poles	: 8	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 190 A	Protection degree	: IP55
L. R. Amperes	: 1178 A	Cooling method	: IC411 - TEFC
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 84.3 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 890 rpm	Noise level²	: 66.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 885 ft.lb	Approx. weight³	: 2858 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 161 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	93.9	94.5	94.5
Power Factor	0.00	0.61	0.71	0.77

Foundation loads	
Max. traction	: 3762 lb
Max. compression	: 6619 lb

		Drive end	Non drive end
Bearing type	:	6322 C3	6319 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	14000 h	17000 h
Lubricant amount	:	60 g	45 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			Page	Revision
Date	28/03/2024		1 / 1	

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
Subject to change without notice