DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W40 NEMA Premium Efficiency Three-Phase	Product code :	14272539
		Catalog # :	15018OT3G444TC-W40

Frame	: 444/5TC	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 170 A	Protection degree	: IP23
L. R. Amperes	: 1105 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 58.0 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1784 rpm	Noise level[2]	: 78.0 dB(A)
Slip	: 0.89 %	Starting method	: Direct On Line
Rated torque	: 61.0 kgfm	Approx. weight[3]	: 650 kg
Locked rotor torque	: 200 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 1.77 kgm²		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	95.3	95.4	95.8	95.8
Power Factor	0.49	0.74	0.82	0.85

Foundation loads	
Max. traction	: 1224 kgf
Max. compression	: 1874 kgf

		Drive end	Non drive end
Bearing type	:	6319 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	45 g	27 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	11/05/2020		1 / 1	

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