

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :									
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14501324					
			Catalog # :	02012OT3E286T-W40G					
Frame	: 284/6T	Locked rotor time	: 27s (cold) 15s (hot)						
Output	: 20 HP (15 kW)	Temperature rise	: 80 K						
Poles	: 6	Duty cycle	: Cont.(S1)						
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C						
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.						
Rated current	: 48.5/24.3 A	Protection degree	: IP23						
L. R. Amperes	: 311/155 A	Cooling method	: IC01 - ODP						
LRC	: 6.4x(Code G)	Mounting	: F-1						
No load current	: 18.0/9.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)						
Rated speed	: 1175 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)						
Slip	: 2.08 %	Starting method	: Direct On Line						
Rated torque	: 89.4 ft.lb	Approx. weight <sup>3</sup>	: 386 lb						
Locked rotor torque	: 229 %								
Breakdown torque	: 260 %								
Insulation class	: F								
Service factor	: 1.25								
Moment of inertia (J)	: 6.89 sq.ft.lb								
Design	: B								
Output	25%	50%	75%	100%					
Efficiency (%)	91.5	89.7	91.7	89.9					
	89.7	89.7	89.9	89.9					
Power Factor	0.46	0.42	0.71	0.68					
	0.39	0.37	0.64	0.62					
		Drive end	Non drive end						
Bearing type	:	6311 Z C3	6211 Z C3						
Sealing	:	Without Bearing Seal	Without Bearing Seal						
Lubrication interval	:	20000 h	20000 h						
Lubricant amount	:	18 g	11 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.									
Rev.	Changes Summary			Performed					
				Checked					
Performed by									
Checked by									
Date	29/03/2024								
			Page	Revision					
			1 / 1						