

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W40 High Efficiency Three-Phase	Product code : 15730615 Catalog # : 03015OP3OFP286TS-W40			
Frame : 284/6TS Output : 30 HP (22 kW) Poles : 4 Frequency : 50 Hz Rated voltage : 380 V Rated current : 41.6 A L. R. Amperes : 250 A LRC : 6.0x(Code F) No load current : 13.7 A Rated speed : 1463 rpm Slip : 2.47 % Rated torque : 108 ft.lb Locked rotor torque : 229 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 4.13 sq.ft.lb Design : B	Locked rotor time : 43s (cold) 24s (hot) Temperature rise : 70 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +50°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 395 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	89.0 87.8 92.4 92.4 92.4 92.4 92.4 92.4 86.9 92.0 92.4 92.4			
Power Factor	0.53 0.48 0.76 0.71 0.84 0.81 0.87 0.85 0.44 0.68 0.79 0.84			
	Foundation loads Max. traction Max. compression			
Bearing type	Drive end : 6311 Z C3 Non drive end : 6211 Z C3			
Sealing	Without Bearing Seal			
Lubrication interval	4500 h			
Lubricant amount	18 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	26/03/2024		1 / 1	