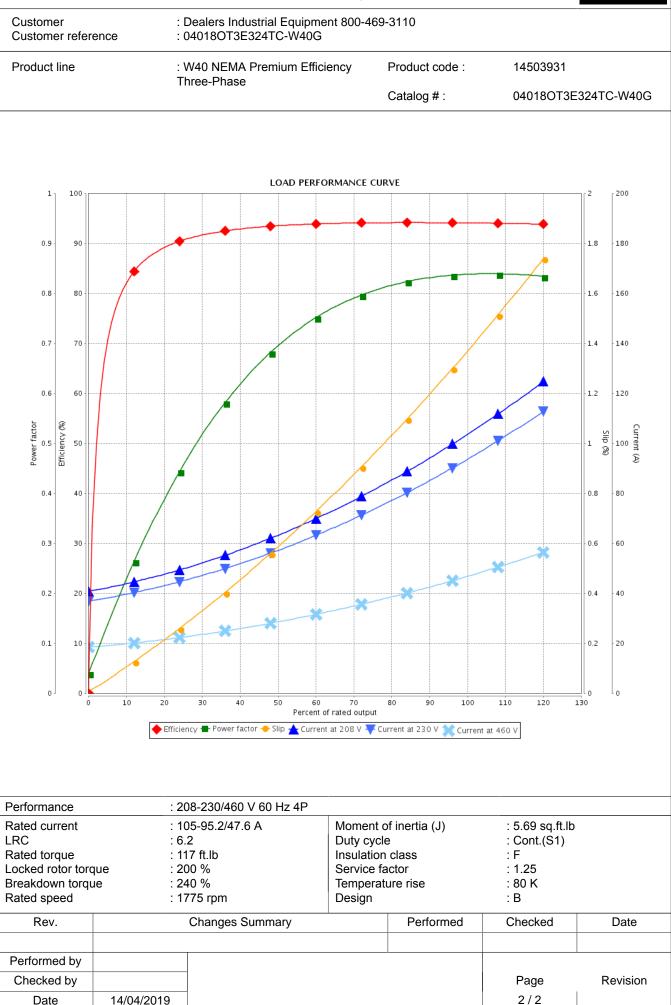
Product line: W40 NEMA Premium Efficiency Three-PhaseProduct code :14503931Product line: 324TC 4018OT3E324TCatalog # :04018OT3E324TFrame: 324TC 40 HP (30 kW)Locked rotor time Temperature rise: 23s (cold) 13s ( Temperature risePoles: 4 40 HP (30 kW)Locked rotor time Temperature rise: 23s (cold) 13s ( Temperature risePoles: 4 40 HP (30 kW)Locked rotor time Temperature rise: 23s (cold) 13s ( Temperature riseRated voltage: 208-230/460 V 40 HZAmbient temperature Attitude: 20°C to +40°C 41titudeRated voltage: 208-230/460 V 40 HZAmbient temperature Attitude: 20°C to +40°C 400 m.a.s.lRated vortage: 60 Hz 400 HZAmbient temperature 400 m.a.s.l: Cont.(S1) 400 m.a.s.lNo load current: 31.9-37.0/18.5 A 41.9-37.0/18.5 A Rotation*Protection degree Koation*: IP23 60 B(A)Slip: 1.39 % 40 Mattor torque: 117 ft.lb 40 % 11.39 %Rotation*Both (CW and 0 400 MonitingRated torque: 117 ft.lb 40 % 11.39 %Approx. weight?: 461 lbOutput25%50% 75%100% 100 MMax. traction Max. compressionPower Factor0.440.700.800.84Moment of inertia (J): 663 2 CO 569 gs.ft.lbMon drive end 6211 2 C3Design: 8100% 411 gStarting MethodBearing type: 6312 C d 2000 h6211 2 C3 2000 hBearin		Customer Customer reference			: Dealers Industrial Equipment 800-469-3110 : 04018OT3E324TC-W40G					
Frame : 324TC Locked rotor time : 23s (cold) 13s (   Output : 40 HP (30 kW) Temperature rise : 80 K   Poles : 4 Duty cycle : Cont.(S1)   Ambient temperature : -20°C to +40°C Attitude : 1000 na.sl.   Rated ourrent : 105-95.2/47.6 A Protection degree : IP23   L R. Amperes : 663.590/295 A Cooling method : IC01 - ODP   LRC : 6.2x(Code G) Mounting : F-1   No load current : 31.9-37.0/18.5 A Rotation <sup>1</sup> : Both (CW and G   No load current : 1177 fr.pm Noise level <sup>2</sup> : 66.0 dB(A)   Slip : 1.39 % Starting method : Direct On Line   Rated torque : 1177 ft.lb Approx. weight <sup>3</sup> : 461 lb   Locked rotor torque : 200 % Breakdown torque : 240 %   Insulation class : F Service factor : 1.25   Moment of inertia (J) : 5.69 sq.ft.lb Max. traction   Dewer Factor 0.44 0.70 0.80 0.84   Brearing type : 6312 Z C3 6211 Z C3   Sealing : Without Bearing Seal Without Bearing Seal   Lubricati amount : 21 g <t< th=""><th colspan="2"></th><th>: W40</th><th>) NEMA Pr</th><th>14503931</th><th></th></t<>			: W40	) NEMA Pr	14503931					
Output: 40 HP (30 kW)Temperature rise: 80 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 208-230/460 VAttitude: 1000 m.a.s.l.Rated current: 105-95.2/47.6 AProtection degree: IP23L. R. Amperes: 653-590/295 ACooling method: IC01 - ODPLRC: 6.2x(Code G)Mounting: F-1No load current: 31.9-37.0/18.5 ARotation ': Both (CW and GRated speed: 1775 rpmNoise level²: 66.0 dB(A)Slip: 1.39 %Starting method: Direct On LineRated torque: 240 %Starting method: Othe CW and GInsulation class: FService factor: 1.25Moment of inertia (J): 5.69 sq.ft.lbMax. tractionDesign: B: G312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 21 g11 gLubrication interval <td: 21="" g<="" td="">11 gLubrication interval<td: 21="" g<="" td="">11 gLubrication type: 21 g11 gLubrication type<td: 21="" g<="" td="">11 gNotes: 21 g11 g</td:></td:></td:>			The	1 11000		Catalog # :	04018OT3E	324TC-W40G		
Insulation class   : F     Service factor   : 1.25     Moment of inertia (J)   : 5.69 sq.ft.lb     Design   : B     Output   25%   50%   75%   100%     Efficiency (%)   93.5   93.6   94.1   94.1     Power Factor   0.44   0.70   0.80   0.84     Bearing type   :   6312 Z C3   6211 Z C3     Sealing   :   Without Bearing Seal   Without Bearing Seal     Lubrication interval   :   21 g   11 g     Lubricant type   :   Mobil Polyrex EM   11 g	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque		: 40 HP (30 kW) : 4 : 60 Hz : 208-230/460 V : 105-95.2/47.6 A : 653-590/295 A : 6.2x(Code G) : 31.9-37.0/18.5 A : 1775 rpm : 1.39 % : 117 ft.lb : 200 %			Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP23 : IC01 - OD : F-1 : Both (CW : 66.0 dB(A : Direct On	: Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : IC01 - ODP : F-1 : Both (CW and CCW) : 66.0 dB(A) : Direct On Line		
Efficiency (%)93.593.694.194.1Max. tractionPower Factor0.440.700.800.84Max. compressionBearing type:6312 Z C36211 Z C3Sealing:Without Bearing SealWithout Bearing SealLubrication interval:2000 h20000 hLubricant amount:21 g11 gLubricant type:Mobil Polyrex EM	sulation class ervice factor oment of inertia		: F : 1.25 : 5.69	5						
Power Factor 0.44 0.70 0.80 0.84 Max. compression   Drive end Non drive end   Bearing type : 6312 Z C3 6211 Z C3   Sealing : Without Bearing Seal Without Bearing Seal   Lubrication interval : 20000 h 20000 h   Lubricant amount : 21 g 11 g   Lubricant type : Mobil Polyrex EM	-									
Drive endNon drive endBearing type:6312 Z C36211 Z C3Sealing:Without Bearing SealWithout Bearing SealLubrication interval:20000 h20000 hLubricant amount:21 g11 g										
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).	ibricant type	[ 	:							
(2) Measured at Tm 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	wnloaded from is revision repla ist be eliminate Looking the m	aces and c ac.	cancel the	previous o		power supply, subject to the				
	wnloaded from is revision repla ist be eliminate Looking the m Measured at 1 Approximate v inufacturing pro At 100% of ful	aces and c cd. lotor from f m and wit veight sub pocess.	cancel the the shaft e th toleranc ject to cha	previous o end. e of +3dB( <i>i</i> inges after	A).	power supply, subject to the MG-1.	he tolerances stipul			

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## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage





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