DATA SHEET

Three Phase Induction Motor - Squirrel Cage

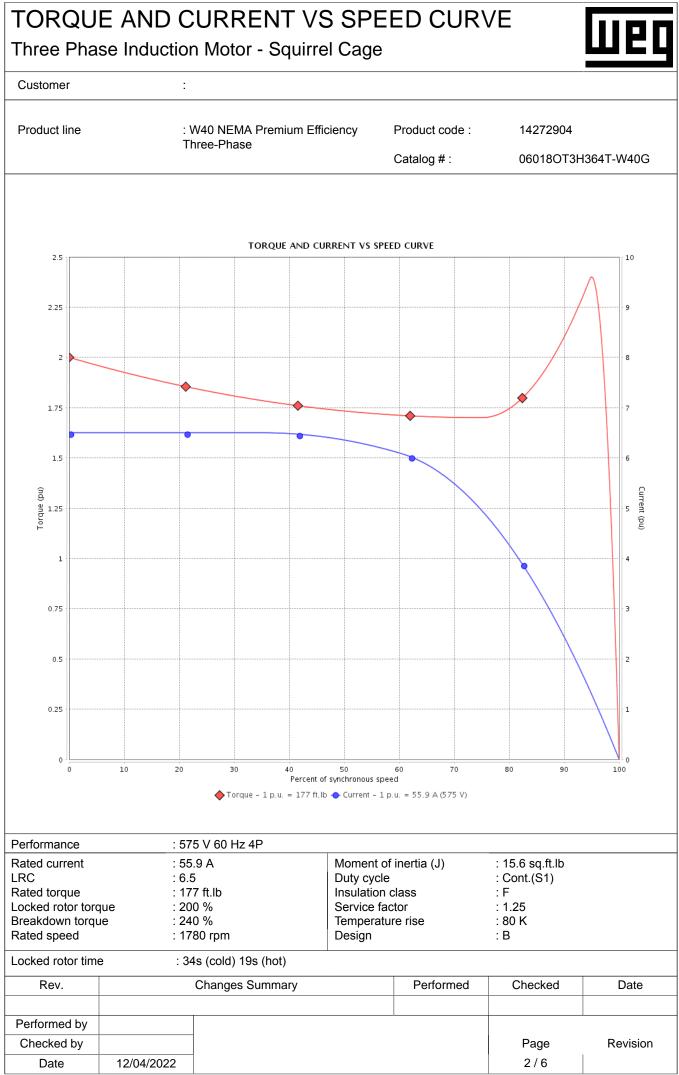
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Output: 60 HP (45 kW)Temperature rise: 80 KPoles: 4Duty cycle: Cont.(S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 575 VAttitude: 1000 m.a.s.l.Rated voltage: 363 AProtection degree: IP23L. R. Amperes: 363 ACooling method: IC01 - ODPLRC: 6.5x(Code G)Mounting: F-1No load current: 19.8 ARotation': Both (CW and CCW)Rated speed: 1776 rpmNoise level ² : 69.0 dB(A)Slip: 1.11 %Starting method: Direct On LineRated torque: 1777 ft.lbApprox. weight ³ : 785 lbLocked rotor torque: 200 %Starting method: Direct On LineBreakdown torque: 240 %Max. traction: 1063 lbService factor: 1.25Moment of inertia (J): 15.6 sq.ft.lbDesign: 8Drive endMax. compression: 1848 lbDutput25%50%75%100%Power Factor0.480.730.820.85Power Factor: 6314 C36212 Z C3Sealing::Without Bearing SealLubrication interval::27 g13 gLubricant mount:::27 g13 gLubricant type:Mobil Polyrex EM			Three	-Phase	emium Efficie	incy inc	duct code :	14272904	
Output : 60 HP (45 kW) Temperature rise : 80 K : Cont.(S1) Frequency : 60 Hz Ambient temperature : 20°C to 140°C : Cont.(S1) Rated voltage : 575 V Attitude : 20°C to 140°C : Cont.(S1) Rated voltage : 575 V Attitude : 20°C to 140°C : Cont.(S1) Rated voltage : 575 V Attitude : 20°C to 140°C : Cont.(S1) No load current : 198 A Protection degree : IP23 : Cooling method : IC01 - ODP No load current : 198 A Rated solaged : 1780 rpm Noise level® : 600 df(A) Rated solaged : 1780 rpm Starting method : Direct On Line Aprox. weight® : 785 lb Breakdown torque : 200 % : 58 sqrt.lb Design : 680 df(A) Starting method : 1063 lb Ower Factor : 0.44 9.4.5 95.0 95.0 Scall & C3 Scal2 z C3 Sealing : : : 27 g Scall & C3 Scall z C3 Scall ib Ubrication interval <td:< td=""> : : : :</td:<>						Cata	alog # :	06018OT3H	364T-W40G
This revision replaces and cancel the previous one, which nust be eliminated. Max. traction : 1063 lb Notes Drive end Non drive end 6314 C3 6212 Z C3 6314 C3 6212 Z C3 Sealing : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Votes : . Mobil Polyrex EM Notes Mobil Polyrex EM . . Notes : . . Mobil Polyrex EM . . . Notes : . . Most to finance of : 3dB(A). : : . . . : : : : : : : : : : : : : : 	Breakdown torqu Insulation class Service factor	ie	: 60 F : 4 : 60 F : 575 : 55.9 : 363 : 6.5x : 19.8 : 178 : 1.11 : 177 : 200 : 240 : F : 1.25 : 15.6	IP (45 kW Iz V A (Code G) A O rpm % ft.lb % %)	Temperatur Duty cycle Ambient ter Altitude Protection o Cooling me Mounting Rotation ¹ Noise level ² Starting me	e rise nperature degree thod 2 thod	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : F-1 : Both (CW : 69.0 dB(A : Direct On	40°C s.l. P and CCW)
This revision replaces and cancel the previous one, which nust be eliminated. Max. traction : 1063 lb Notes Drive end Non drive end 6212 Z C3 Sealing : 20000 h 20000 h Lubrication interval : : : Notes : : : : These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM : 10 Looking the motor from the shaft end. : :	-	25%	50%	75%	100%	Foundation Ic	ads		
Power Factor 0.48 0.73 0.82 0.85 Max. compression : 1848 lb Bearing type : 6314 C3 6212 Z C3 5 6212 Z C3 5						-		: 1063 lb	
Bearing type : 6314 C3 6212 Z C3 Sealing :: Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 27 g 13 g Lubrication type : Mobil Polyrex EM Notes Mobil Polyrex EM Moli Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Mobil Polyrex EM Notes Mobil Polyrex EM MG-1 Source at 1m and with tolerance of +3dB(A). Mobil Polyrex EM Mobil Polyr							ssion		
nust be eliminated. power supply, subject to the tolerances stipulated in NEM 1) Looking the motor from the shaft end. power supply, subject to the tolerances stipulated in NEM 2) Measured at 1m and with tolerance of +3dB(A). MG-1. 3) Approximate weight subject to changes after MG-1. nanufacturing process. Performed 4) At 100% of full load. Performed Performed by Performed	Sealing Lubrication interv		:	Without I 20	Bearing Seal 1000 h 27 g		thout Bearing 20000 h	Seal	
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	nust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of ful	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	MG-1.	γ, subject to th	e tolerances stipu	lated in NEM
Checked by Page Revision	nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	MG-1.	γ, subject to th	e tolerances stipu	lated in NEMA
	nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro- 4) At 100% of ful Rev.	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	MG-1.	γ, subject to th	e tolerances stipu	lated in NEMA

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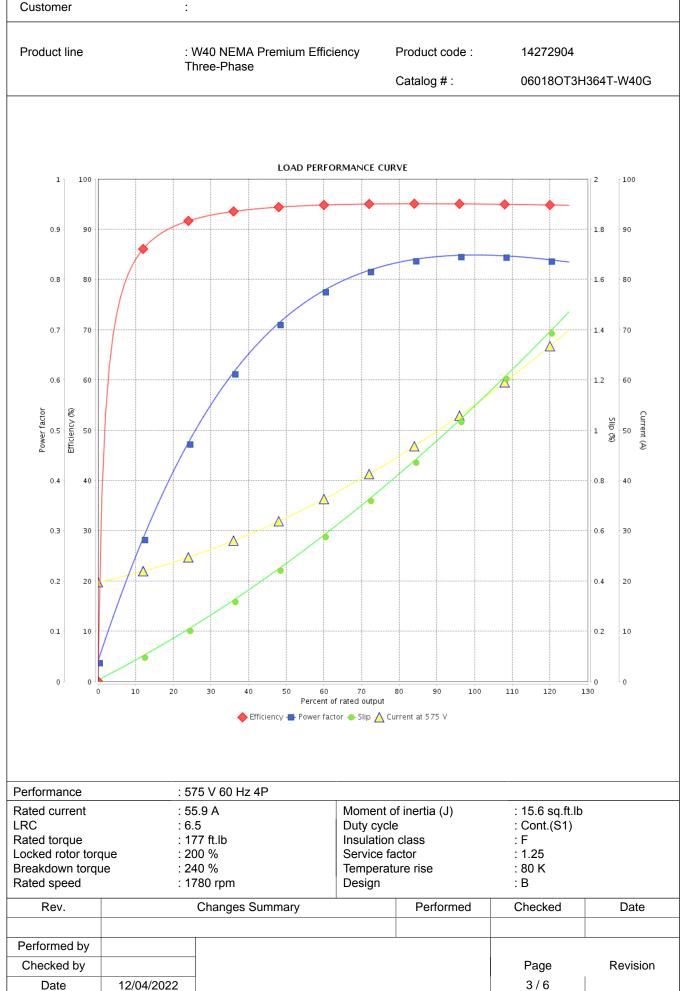


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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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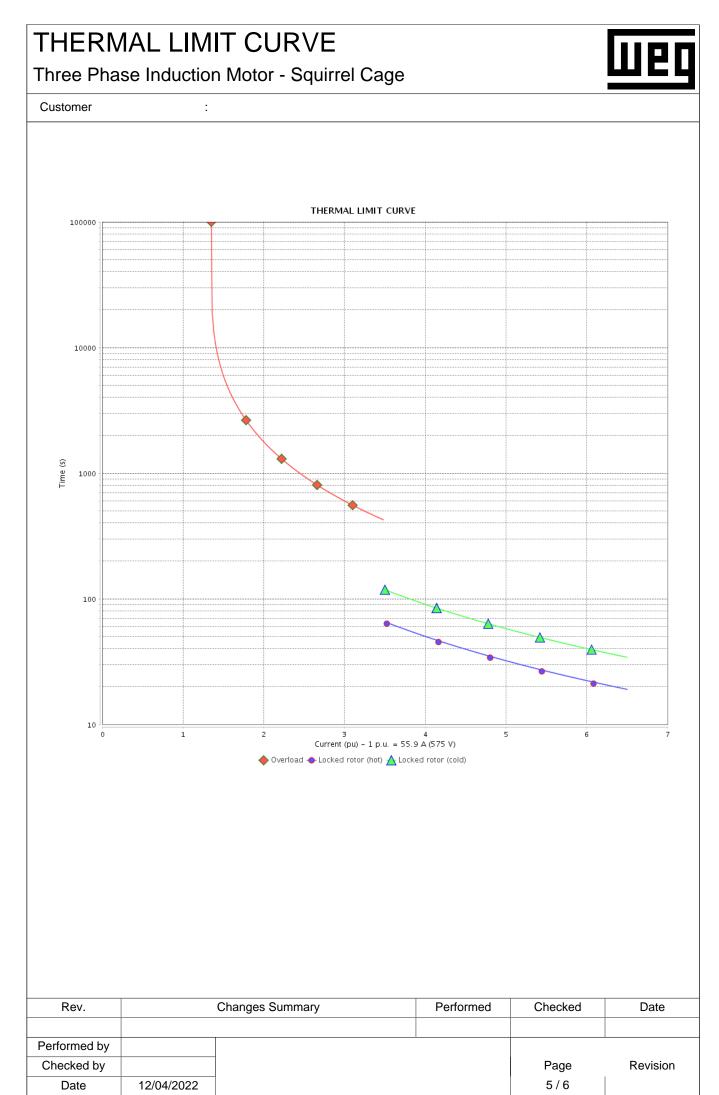


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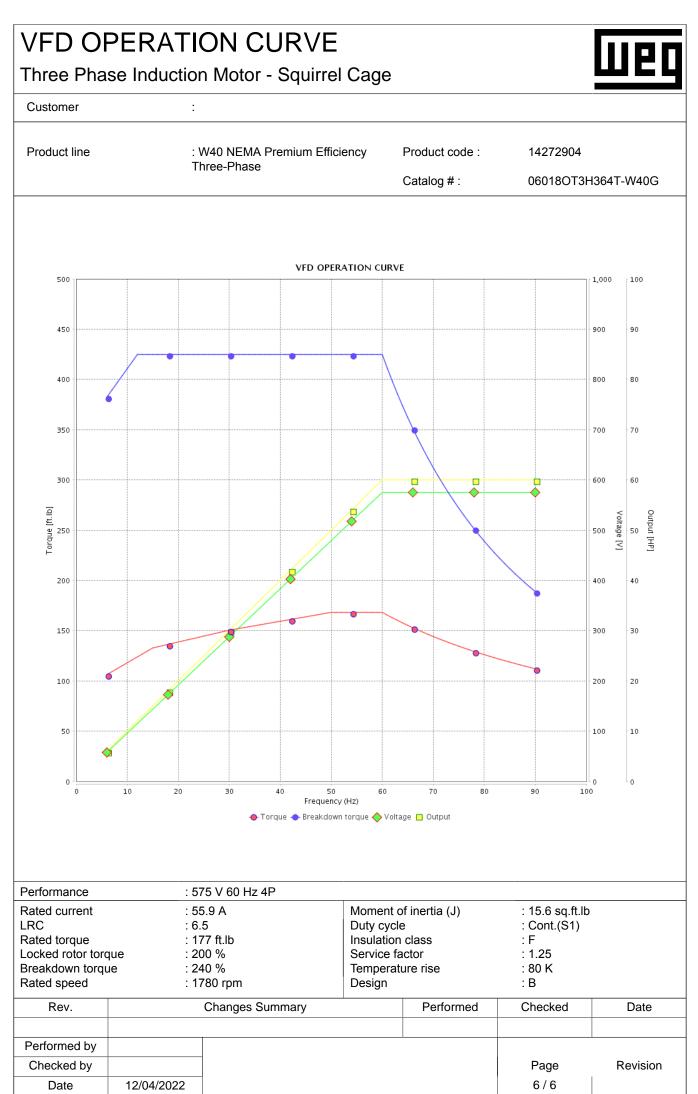
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272904		
				Catalog # :	06018OT3H	364T-W40G	
						304 I - W40G	
Performance	. 57	75 V 60 Hz 4P					
Rated current		5.9 A	Moment o	f inertia (J)	: 15.6 sq.ft.lb		
LRC	: 6.	5	Duty cycle	;	: Cont.(S1)		
Rated torque	ated torque : 177 ft.lb ocked rotor torque : 200 %		Insulation class Service factor		: F : 1.25		
Breakdown torqu		10 %	Temperatu		: 80 K		
Rated speed		780 rpm	Design		: B		
Heating constant			-				
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
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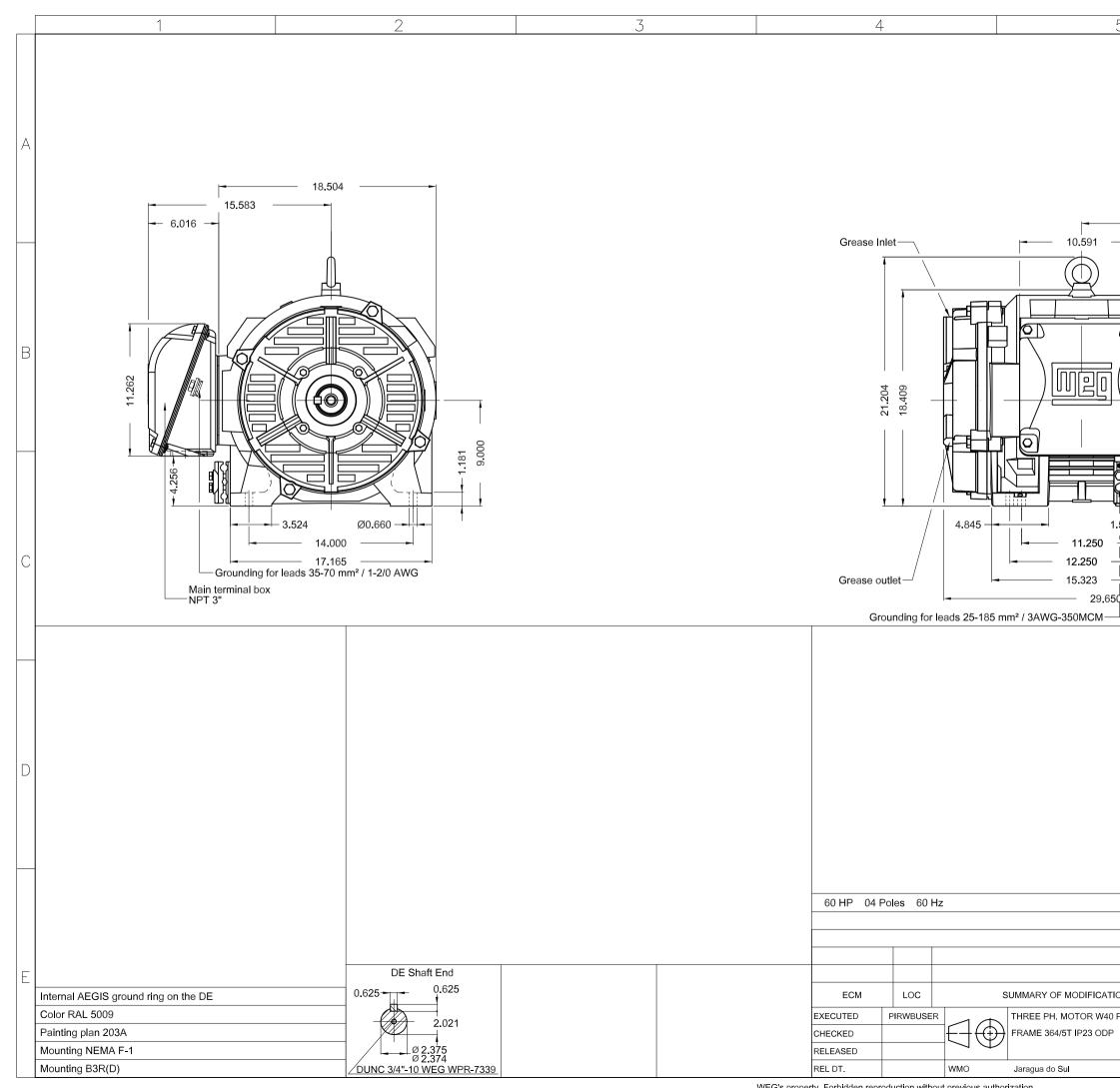
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