Efficiency (%) 95.0 95.4 95.4 95.4 Max. traction : 1724 lb Power Factor 0.75 0.83 0.86 Max. compression : 2699 lb Bearing type : 6316 C3 6212 Z C3 Seal Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 34 g 13 g 13 g Lubricant type : Mobil Polyrex EM Notes downloaded from http://dealerselectric.com Mobil Polyrex EM Most This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoid power supply, subject to the tolerances stipulated in Nt MG-1. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. for the shaft end manufacturing process. For the shaft end manufacturing process.		se Indu	ction Mot	or - Squirre	l Cage		ШЕ
Three-Phase Catalog # : 100180T3H404TC-W Frame : 404/6TC Output : 100 HP (75 kW) Poles : 4 Poles : 4 Rated voltage : 575 V Rated voltage : 575 V Rated voltage : 626 A L R. Amperes : 626 A L R. Amperes : 626 A Rot durrent : 31.8 A Rated ournent : 31.8 A Rated ournent : 200 % Breakdown torque : 200 % <th></th> <th>rence</th> <th></th> <th></th> <th>ent 800-469-3110</th> <th></th> <th></th>		rence			ent 800-469-3110		
Trane : 404/5TC Output ::00 HP (75 kW) Poles ::4 Poles ::4 Rated voltage ::575 V Rated voltage ::575 V Rated current ::32.0 A L, R. Amperes ::68 (Code G) No load current :31.8 A Rated ournent :31.8 A Rated ournent :31.8 A Rated ournent :200 % Breakdown torque :200 % Insulation class :F Service factor :1.25 Moment of inertia(J) :21.9 sq.ft.lb Design :816 C: Coling method :Direct On Line Approx. weight ³ :974 lb Power Factor 0.75 0.75 0.83 Durive end Max. traction Breaktown torque :200 % Insulation class :F Service factor :1.25 Moment of inertia(J) :21.9 sq.ft.lb Design :816 C: Durive end 6316 C: Stating method :212 sq.ft.lb Dive end Mounting seal Lubricant amount :34 g Lubricant amount :34 g 10 Lubricant it	Product line						
Output :100 HP (75 kW) Temperature rise :80 k Cont.(S1) Frequency :60 Hz Ambient temperature rise :20 k Cont.(S1) Rated voltage :575 V Ambient temperature :20 k Cont.(S1) Anabient temperature :32.0 A Cooling method :1C01 - 0DP L R. Amperes :68.8x(Code G) Mounting :F-1 No load current :31.8 A Rotation" :Both (CW and CCW mode) Slip :111% Starting method :Direct On Line Aradet forque :20 % Starting method :Direct On Line Insulation class :F Service factor :1.25 Moment of inertia (J) :21.9 sq.ft.b Max. raction :1724 lb Power Factor 0.75 0.83 0.86 Max. compression :2699 lb Bearing type : : Output teend Non drive end Sola G Starting revision replaces and cancel the previous one, which must be eliminated. : Nobil Polyrex EM :39 a Notes : : Mobil Polyrex EM :04:1 :04:1 :04:1					Catalog # :	10018OT3F	1404 I C-W40
Moment of inertia (J) : 21.9 sq.ft.lb Design : B Output 50% 75% 100% Efficiency (%) 95.0 95.4 95.4 Power Factor 0.75 0.83 0.86 Bearing type : 6316 C3 6212 Z C3 Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 34 g 13 g Lubrication therval : Without Bearing Seal Without Bearing Seal Notes downloaded from http://dealerselectric.com Mobil Polyrex EM	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown toro Insulation class	rque que	: 100 HP (: 4 : 60 Hz : 575 V : 92.0 A : 626 A : 6.8x(Cod : 31.8 A : 1780 rpm : 1.11 % : 291 ft.lb : 200 % : 250 % : F	e G)	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method	: 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 must be eliminated. Max. traction 11724 lb This revision replaces and cancel the previous one, which must be eliminated. Mobil Polyrex EM This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoid power supply, subject to the tolerances stipulated in NG-1. This revision replaces and cancel the previous one, which must be eliminated. Most are average values based on tests with sinusoid power supply, subject to the tolerances stipulated in NG-1. This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoid power supply, subject to the tolerances stipulated in NG-1.	Moment of inertia (J)		: 21.9 sq.ft.lb				
Power Factor 0.75 0.83 0.86 Max. compression : 2699 lb Bearing type : 6316 C3 6212 Z C3 Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 34 g 13 g Lubricant amount : 34 g 13 g Notes Mobil Polyrex EM Notes downloaded from http://dealerselectric.com	Output	50%	75%	100%	Foundation loads		
Drive end Bearing type Drive end 6316 C3 Non drive end 6212 Z C3 Sealing Without Bearing Seal Without Bearing Seal Lubrication interval 20000 h 20000 h Lubricant amount 34 g 13 g Lubricant type Mobil Polyrex EM Notes downloaded from http://dealerselectric.com Mobil Polyrex EM This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinusoid power supply, subject to the tolerances stipulated in NE (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. Mit out provide a stream and accurate the previous one, which manufacturing process. Mit out provide a stream and							
Notes downloaded from http://dealerselectric.com 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.	Lubrication interval Lubricant amount		: 20000 h : 34 g		20000 h 13 g		
 (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. 	Lubricant type Notes	-		N			
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Rev. Changes Summary Performed Checked Date	Lubricant type Notes downloaded from This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p (4) At 100% of fu	m http://deale blaces and ca ted. motor from th 1m and with weight subje process.	ancel the previ ne shaft end. n tolerance of + ect to changes	ous one, which •3dB(A). after	These are average value power supply, subject to MG-1.	the tolerances stipu	lated in NEMA
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Checked by Page Revis	Lubricant type Notes downloaded from This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p (4) At 100% of fu Rev.	m http://deale blaces and ca ted. motor from th 1m and with weight subje process.	ancel the previ ne shaft end. n tolerance of + ect to changes	ous one, which •3dB(A). after	These are average value power supply, subject to MG-1.	the tolerances stipu	lated in NEMA

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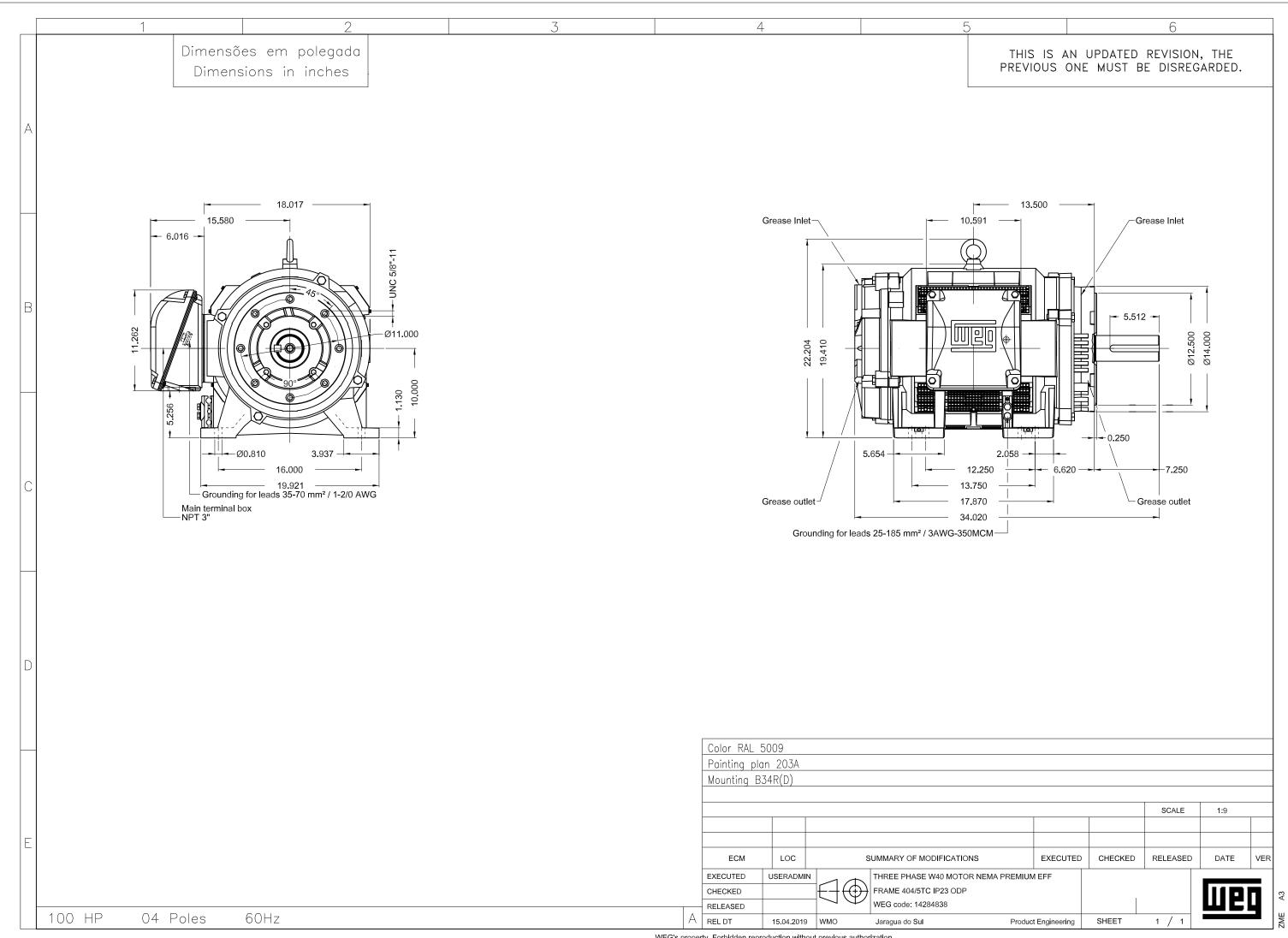
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110 : 10018OT3H404TC-W40 Customer reference Product line : W40 NEMA Premium Efficiency Product code : 14284838 Three-Phase 10018OT3H404TC-W40 Catalog # : LOAD PERFORMANCE CURVE 100 200 1 2 180 90 1.8 0.9 0.8 80 1.6 160 140 70 1.4 0.7 120 0.6 60 1.2 E Power factor 100 Current Slip (%) Efficiency 0.5 50 1 Þ 80 0.4 40 0.8 0.3 30 0.6 60 40 0.4 0.2 20 0.1 10 0.2 20 0 0 0 0 10 zo 30 40 50 60 70 80 90 100 110 120 130 ò Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛧 Current at 575 V Performance : 575 V 60 Hz 4P Rated current : 92.0 A Moment of inertia (J) : 21.9 sq.ft.lb LRC : 6.8 Duty cycle : Cont.(S1) Insulation class : 291 ft.lb : F Rated torque Locked rotor torque : 200 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by Checked by Revision Page Date 15/04/2019 2/2

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