DATA SHEET

Three Phase Induction Motor - Squirrel Cage

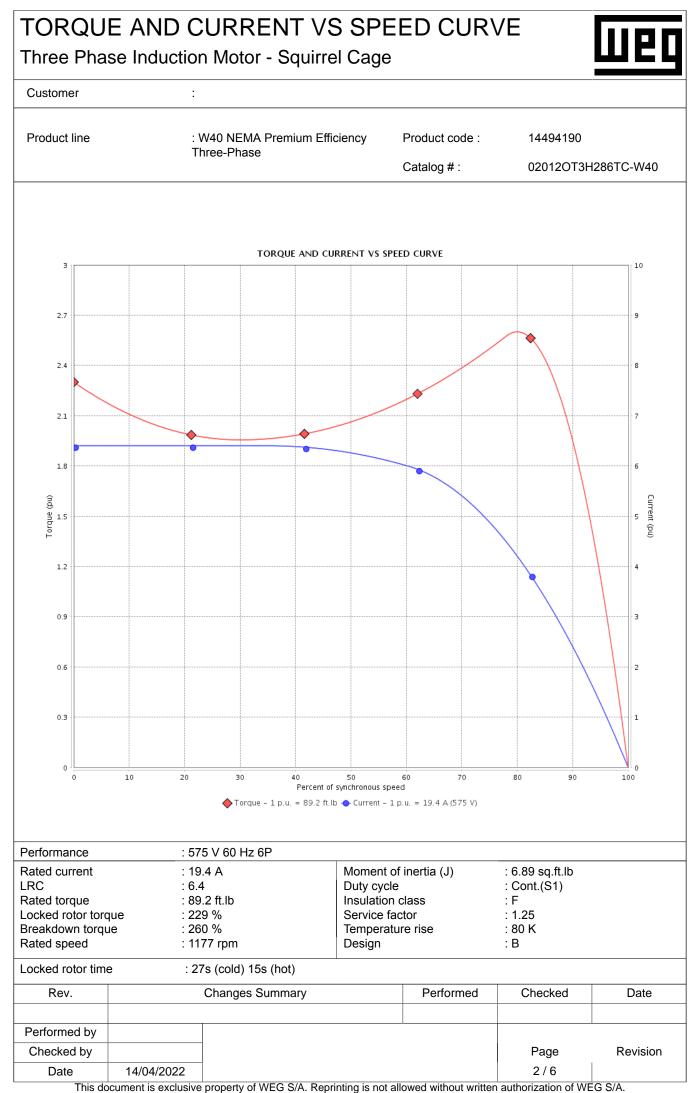
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Customer

Output : 20 HP (15 kW) Temperature rise : 80 k Poles : 6 : Cont (S1) Frequency : 60 Hz Ambient temperature : 20 °C to +40 °C Rated voltage : 575 V Attitude : 100 m.a.s.l. Rated voltage : 64 (Code G) Mounting : F-1 No load current : 7.52 A Mounting : F-1 No load current : 7.52 A Rotation ¹ : Both (CW and CC) Sip : 1.92 % Mounting : F-1 Rated toron : 89.2 ft.lb Locked rotor torque : 280 % Insulation class : F Starting method : Direct On Line Approx. weight ⁺ : 390 lb : S90 dB(A) Duty ut 25% 50% 75% 100% Fediciency (%) 91.5 91.7 92.4 92.4 Power Factor 0.45 0.71 0.80 0.84 Bearing type : 0.58 sq.ft.lb Dire end Non drive end Duty current : 18 g 11 2 C 3 6211 2 C 3 Sealing : Without Bearing Seal Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h 10 g Lubrication interval <th></th> <th></th> <th></th> <th>NEMA Pr -Phase</th> <th>emium Efficie</th> <th>ency Product code :</th> <th>14494190</th> <th></th>				NEMA Pr -Phase	emium Efficie	ency Product code :	14494190	
Output : 20 HP (15 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated voltage : 575 V Rated current : 194 A L R. Amperes : 124 A L R. Amperes : 124 A No load current : 7.52 A Rated speed : 1177 rpm Slip : 1.92 % Rated ourge : 220 % Breakdown torque : 2000 ha						Catalog # :	02012OT3H	286TC-W40
Efficiency (%) 91.5 91.7 92.4 92.4 Max. traction Power Factor 0.45 0.71 0.80 0.84 Max. compression Bearing type : 0.71 0.80 0.84 Max. compression Bearing type : 0.6311 Z C3 6211 Z C3 Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication interval : 11 g 11 g Lubrication interval : Mobil Polyrex EM Notes Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinuso power supply, subject to the tolerances stipulated in N G-1. (2) Measured at 1 m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Kev. Changes Summary Performed Checked Date of the compression forecompreseteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torqu Insulation class Service factor Moment of inertia	ie	: 20 H : 6 : 60 H : 575 : 19.4 : 124 : 6.4x : 7.52 : 1177 : 1.92 : 89.2 : 229 : 260 : F : 1.25 : 6.89	P (15 kW) z A A (Code G) A ' rpm % ft.lb %		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.s : IP23 : IC01 - ODI : F-1 : Both (CW : 59.0 dB(A) : Direct On	40°C s.l. P and CCW)
Efficiency (%) 91.5 91.7 92.4 92.4 Max. traction Power Factor 0.45 0.71 0.80 0.84 Max. compression Bearing type : 0.81 Non drive end 6311 Z C3 6211 Z C3 Sealing : Without Bearing Seal Without Bearing Seal Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication interval : 20000 h 20000 h Lubrication interval : 11 g 11 g Lubrication interval : Mobil Polyrex EM Notes Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tests with sinuso power supply, subject to the tolerances stipulated in N Notes 1) Looking the motor from the shaft end. (2) 2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. A) At 100% of full load. Kev. Changes Summary Performed Checked Data data data data data data data data	 Output	25%	50%	75%	100%	Foundation loads		
Power Factor 0.45 0.71 0.80 0.84 Max. compression 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 10% of full load. Rev. Changes Summary Performed Checked Data and the second state and the second	Efficiency (%)							
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 Mobil Polyrex EM Notes	Power Factor					Max. compression		
must be eliminated. power supply, subject to the tolerances stipulated in N (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Checked Date of the tolerance of the	Sealing Lubrication interv Lubricant amoun		:	Without E 20	8earing Seal 000 h 8 g	Without Bearin 20000 I 11 g	ng Seal	
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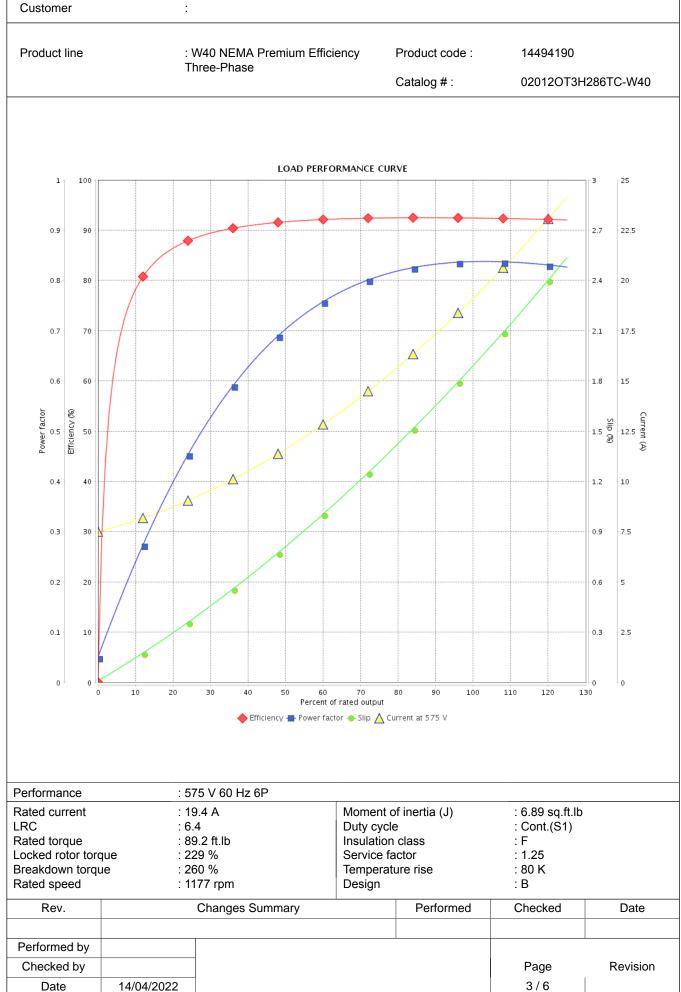
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

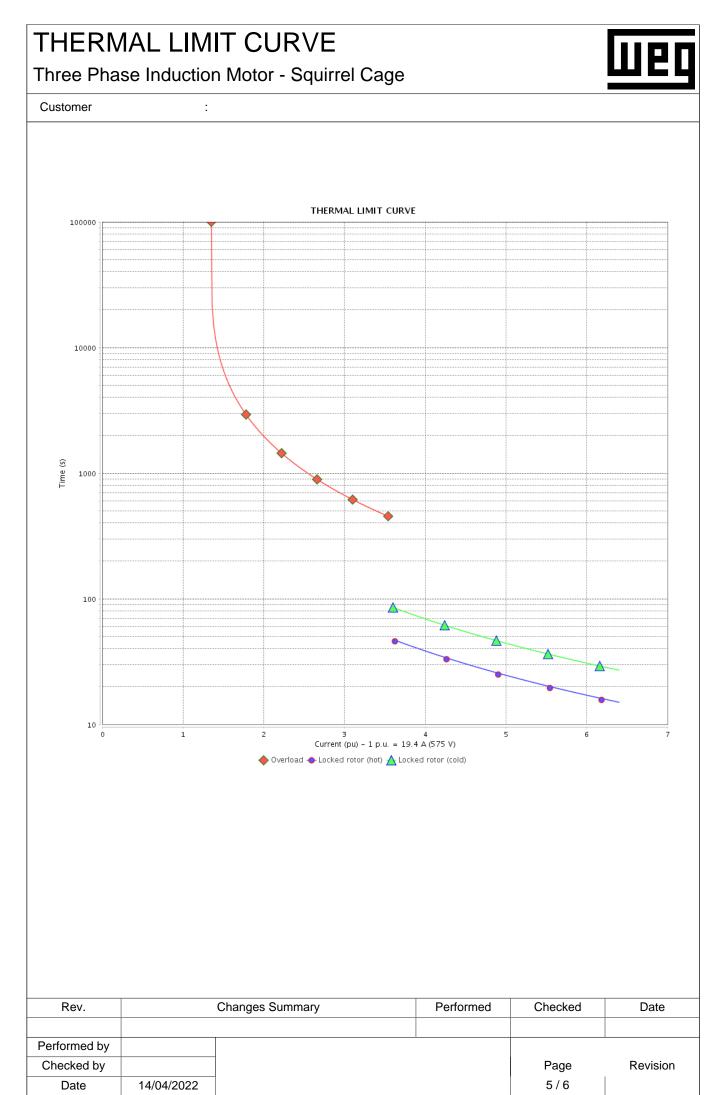
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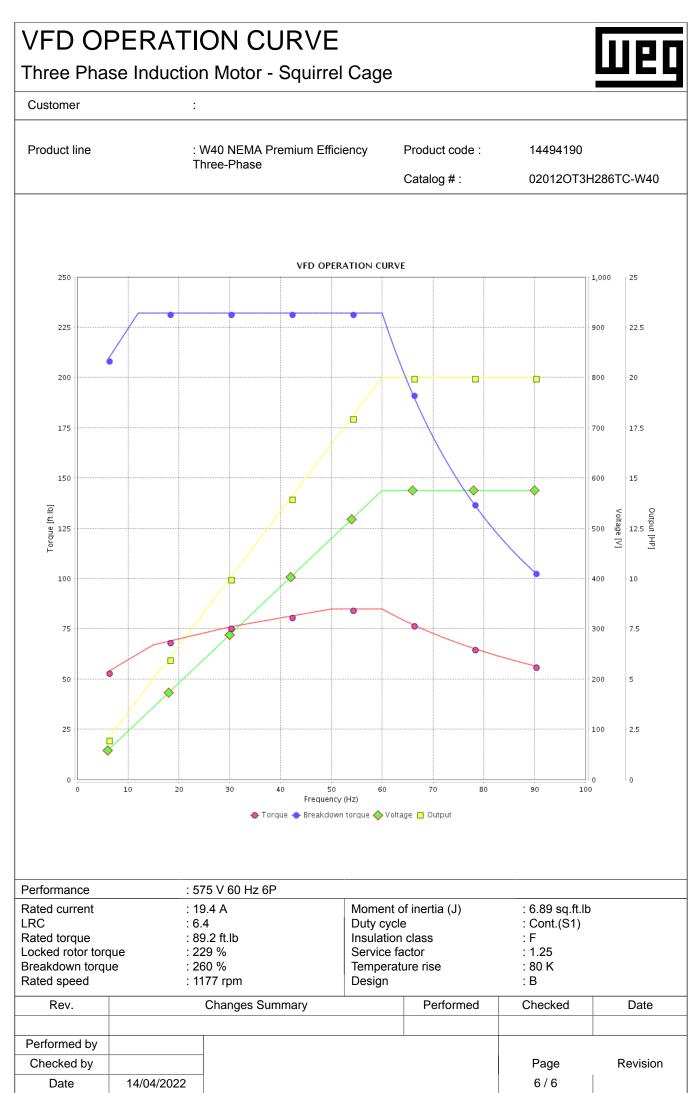
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Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494190		
	I			Catalog # :	02012OT3H286TC-W40		
Performance		75 V 60 Hz 6P					
Rated current LRC Locked torque Locked rotor torq Breakdown torqu Rated speed Heating constant	: 6 : 8 jue : 2 ie : 2 : 1	9.4 A 5.4 9.2 ft.lb 29 % 60 % 177 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 6.89 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
Performed by					_		
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Date	14/04/2022				4 / 6		

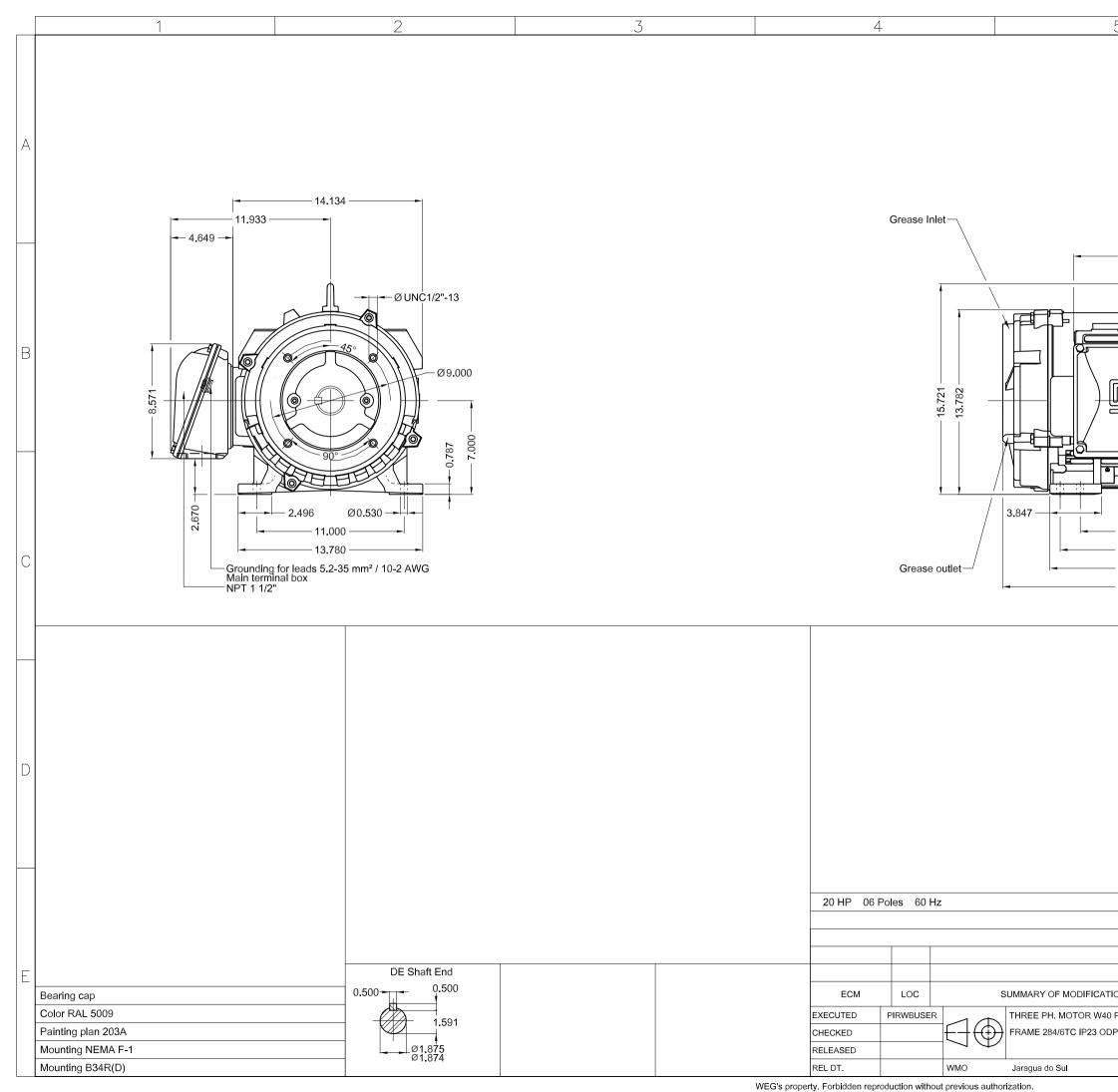
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Produc	t Engineering	SHEET	1 / 1			XME

