# DATA SHEET

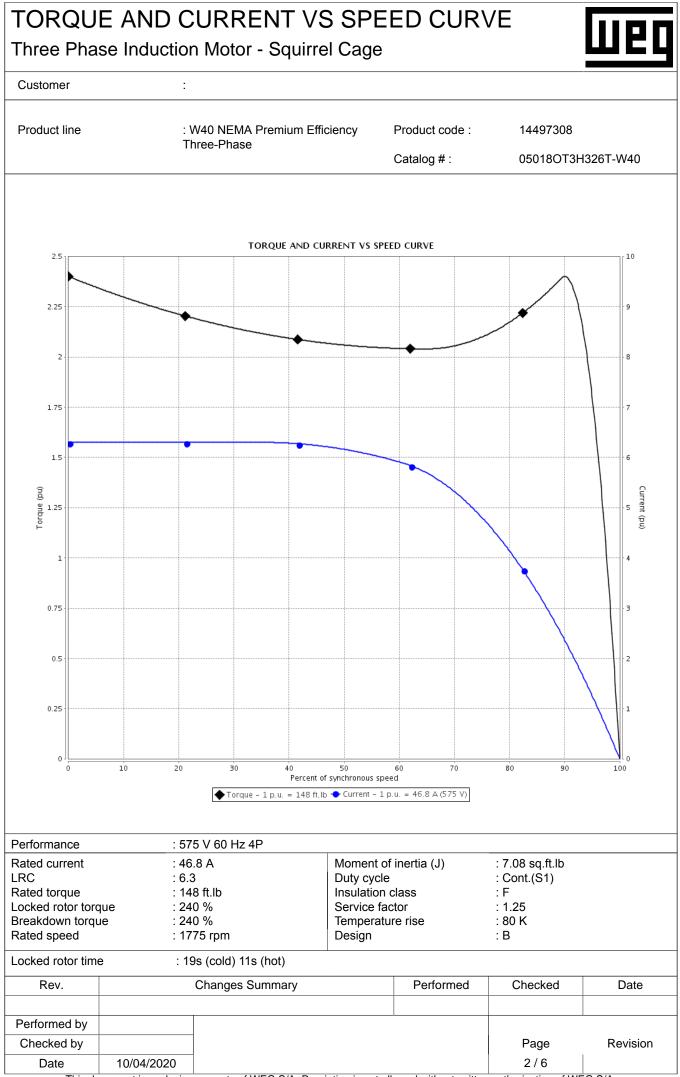
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Efficiency (%)94.09Power Factor0.440Bearing type:Sealing:Lubrication interval:Lubricant amount:Lubricant type:	$\begin{array}{c} : 324/6T \\ : 50 \text{ HP } (37 \text{ kW}) \\ : 4 \\ : 60 \text{ Hz} \\ : 575 \text{ V} \\ : 46.8 \text{ A} \\ : 295 \text{ A} \\ : 6.3x(\text{Code G}) \\ : 18.6 \text{ A} \\ : 1775 \text{ rpm} \\ : 1.39 \% \\ : 148 \text{ ft.lb} \\ : 240 \% \\ : 240 \% \\ : 240 \% \\ : F \\ : 1.25 \\ : 7.08 \text{ sq.ft.lb} \\ : B \\ \hline \\ \hline \\ 0\%  75\%  100\% \\ \hline \\ 4.1  94.5  94.5 \\ .70  0.80  0.84 \\ \hline \\ $	Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup> Foundation loads Max. traction Max. compression <u>Non drive end</u> 6211 Z C3 Without Bearing S 20000 h 11 g		11s (hot) 40°C s.l. P and CCW)
Output Poles   Frequency Rated voltage   Rated voltage Rated current   L. R. Amperes LRC   No load current Rated speed   Slip Rated torque   Locked rotor torque Breakdown torque   Insulation class Service factor   Moment of inertia (J) Design   Output 25% 5   Efficiency (%) 94.0 9   Power Factor 0.44 0   Bearing type : Sealing   Lubrication interval : Lubricant amount   Lubricant type :	: 50 HP (37 kW) : 4 : 60 Hz : 575 V : 46.8 A : 295 A : 6.3x(Code G) : 18.6 A : 1775 rpm : 1.39 % : 148 ft.lb : 240 % : 240 % : 240 % : F : 1.25 : 7.08 sq.ft.lb : B 0% 75% 100% 4.1 94.5 94.5 .70 0.80 0.84 <u>Drive end</u> 6312 Z C3 Without Bearing Seal 20000 h 21 g	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup> Foundation loads Max. traction Max. compression <u>Non drive end</u> 6211 Z C3 Without Bearing S 20000 h 11 g	: 80 K : Cont.(S1) : -20°C to +. : 1000 m.a.s : IP23 : IC01 - ODI : F-1 : Both (CW : 66.0 dB(A) : Direct On I : 503 lb	40°C s.l. P and CCW)
Efficiency (%)94.09Power Factor0.440Bearing type:Sealing:Lubrication interval:Lubricant amount:Lubricant type:	4.1 94.5 94.5 .70 0.80 0.84 <u>Drive end</u> 6312 Z C3 Without Bearing Seal 20000 h 21 g	Max. traction Max. compression <u>Non drive end</u> 6211 Z C3 Without Bearing S 20000 h 11 g		
Efficiency (%)94.09Power Factor0.440Bearing type:Sealing:Lubrication interval:Lubricant amount:Lubricant type:	.70 0.80 0.84 <u>Drive end</u> 6312 Z C3 Without Bearing Seal 20000 h 21 g	Max. compression <u>Non drive end</u> 6211 Z C3 Without Bearing S 20000 h 11 g		
Power Factor 0.44 0   Bearing type :   Sealing :   Lubrication interval :   Lubricant amount :   Lubricant type :	<u>Drive end</u> 6312 Z C3 Without Bearing Seal 20000 h 21 g	<u>Non drive end</u> 6211 Z C3 Without Bearing S 20000 h 11 g		
Sealing : Lubrication interval : Lubricant amount :	6312 Z C3 Without Bearing Seal 20000 h 21 g	6211 Z C3 Without Bearing S 20000 h 11 g		
This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load.	shaft end. lerance of +3dB(A).	These are average values I power supply, subject to the MG-1.		
Rev.	Changes Summary	Performed	Checked	Date
Performed by			1	
Checked by			Page	Revision

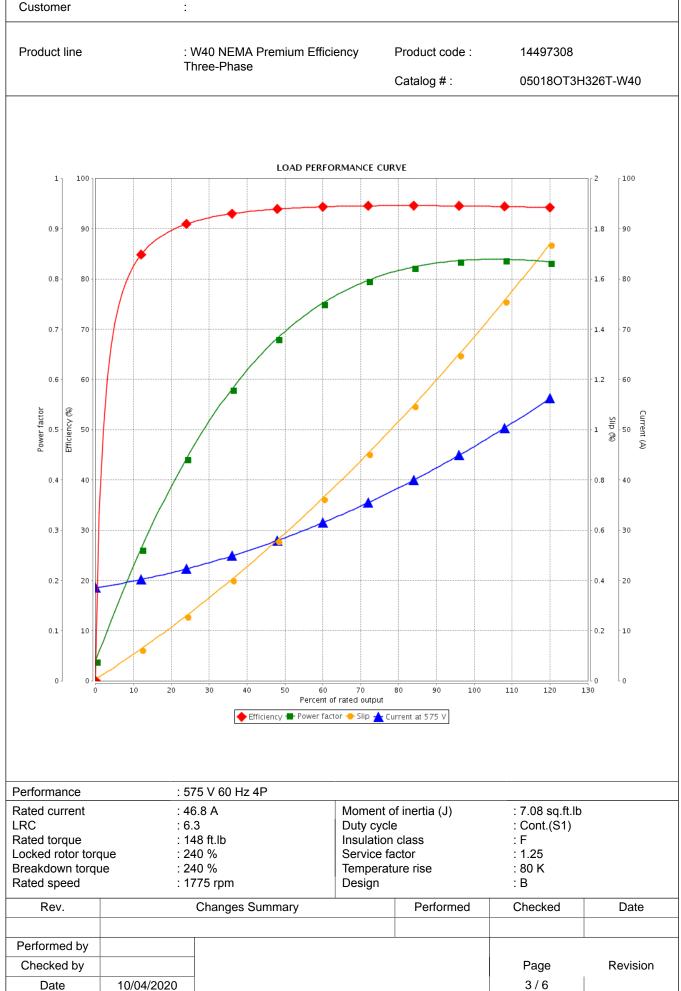
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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## THERMAL LIMIT CURVE

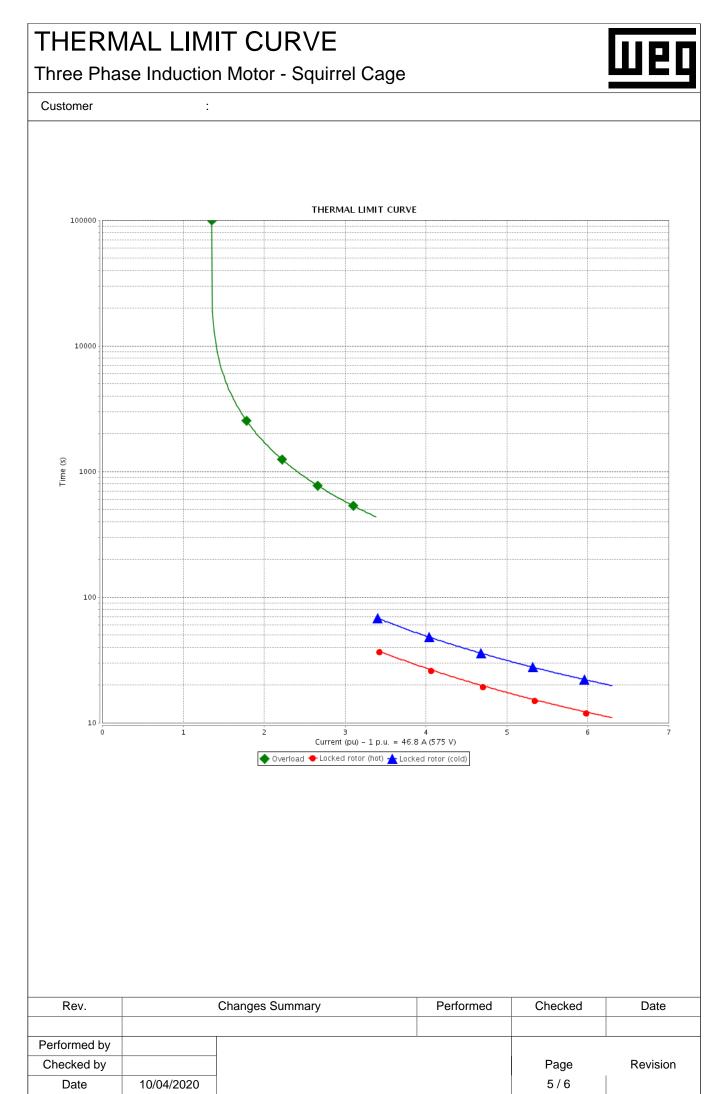
Three Phase Induction Motor - Squirrel Cage

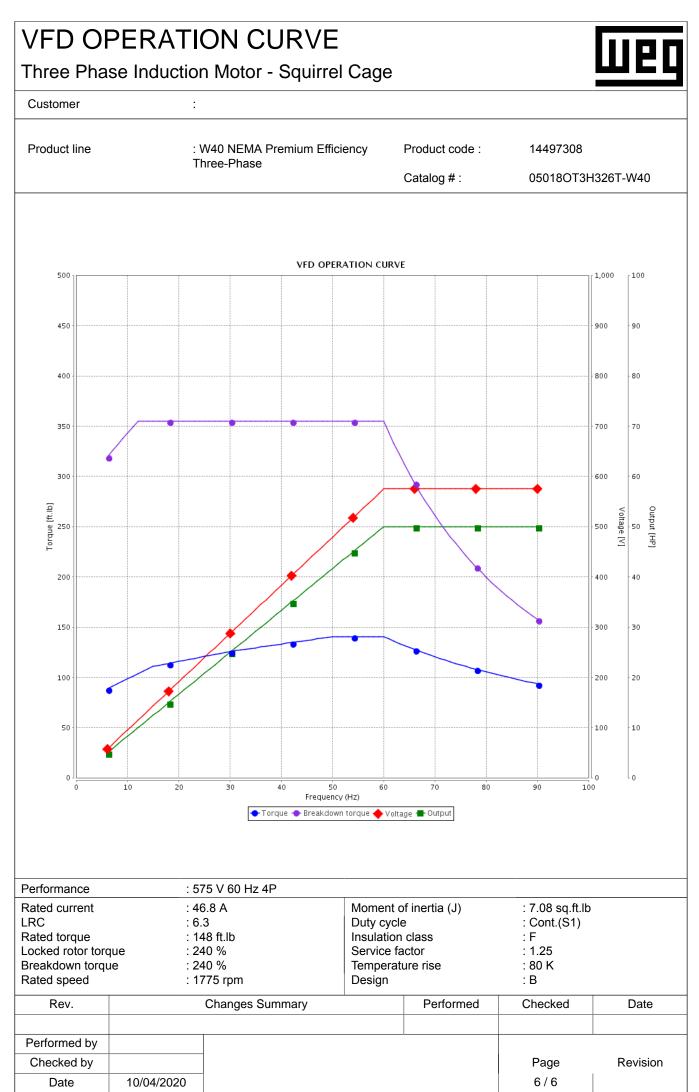
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Customer

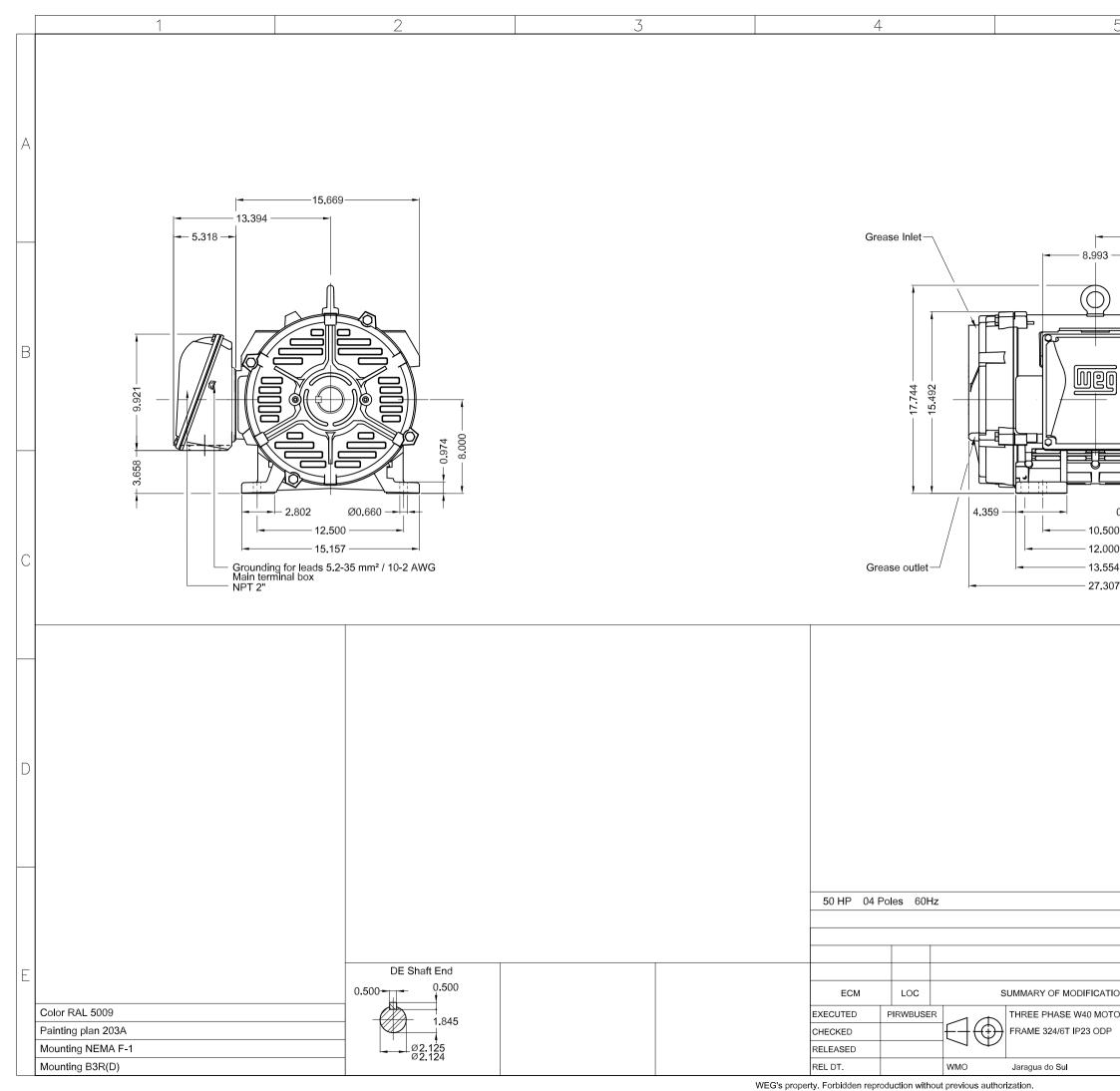
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :		
				Catalog # :	05018OT3H326T-W40	
Performance	: 5	575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6 : 1  ue : 2  e : 2	46.8 A 5.3 148 ft.lb 240 % 240 % 1775 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	10/04/2020				4/6	





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			6		
		Grease Inlet			
<b>_</b>		Grease outlet			
					Dimensions in Inches
				1:8	Dimensions in inchas
				1:8	
	EXECUTED	CHECKED	RELEASED	1:8 DATE	
	L	снескер		DATE	A
NS R NEMA PREMIUN	L				A

