DATA SHEET

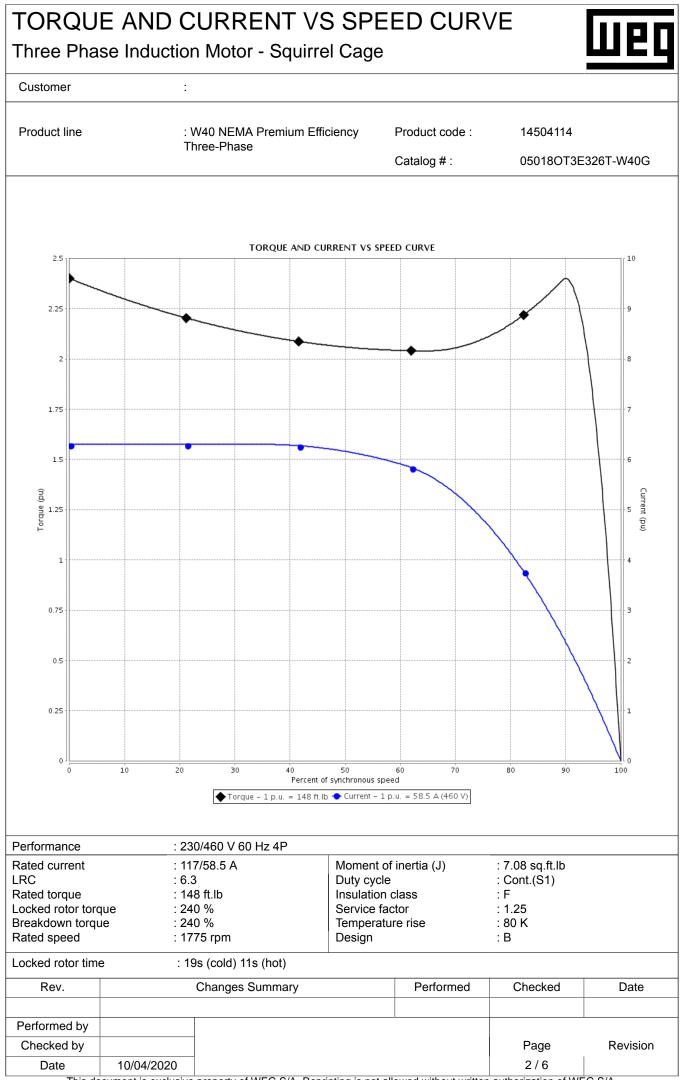
Three Phase Induction Motor - Squirrel Cage

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Customer

		: W40 NEMA Premium Efficienc Three-Phase			ency F	Product code :	14504114	14504114	
					C	Catalog # :		05018OT3E326T-W40G	
Frame		: 324	/6T		Locked I	rotor time	: 19s (cold)	11s (hot)	
Output		: 50 H	HP (37 kW)		Tempera	ature rise	: 80 K	()	
Poles		: 4	· · · ·		Duty cyc		: Cont.(S1)		
Frequency		: 60 H	Ηz			temperature	: -20°C to +	40°C	
Rated voltage		: 230	/460 V		Altitude		: 1000 m.a.	s.l.	
Rated current		: 117/	/58.5 A		Protectio	on degree	: IP23		
L. R. Amperes		: 737	/369 A		Cooling	method	: IC01 - OD	Р	
LRC		: 6.3x	(Code G)		Mountin	g	: F-1		
No load current			1/23.2 A		Rotation		: Both (CW		
Rated speed			5 rpm		Noise le	-	: 66.0 dB(A		
Slip		: 1.39			Starting		: Direct On	Line	
Rated torque		: 148			Approx.	weight ³	: 512 lb		
Locked rotor tor		: 240							
Breakdown torq	ue	: 240	%						
Insulation class		: F							
Service factor		: 1.25							
Moment of inerti	ia (J)		3 sq.ft.lb						
Design		: B							
Output	25%	50%	75%	100%	Foundatio				
Efficiency (%)	94.0	94.1	94.5	94.5	Max. tracti				
Power Factor	0.44	0.70	0.80	0.84	Max. com	pression			
				end		Non drive end			
Bearing type		:		2 Z C3		6211 Z C3	a		
Sealing		:		Bearing Seal		Without Bearing	Seal		
Lubrication inter	val		200	000 h		20000 h			
Lubricant amour		:		1 g		11 g			
	nt	1.15 SFA ²	2	1 g	bil Polyrex E	11 g			
Lubricant amoun Lubricant type Notes USABLE @208V This revision rep must be eliminate (1) Looking the n (2) Measured at	129A SF 129A SF laces and ed. notor from 1m and wi	cancel the the shaft e th tolerance	2 149A previous or end. e of +3dB(A	1 g Mo	These are	11 g EM	based on tests wir e tolerances stipu		
Lubricant amoun Lubricant type Notes USABLE @208V This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	129A SF 129A SF 129A SF laces and ed. notor from 1m and wi weight sub rocess.	cancel the the shaft e th toleranc bject to cha	2 149A previous or end. e of +3dB(A	1 g Mo	These are power su	11 g EM			
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Lubricant amoun Lubricant type Notes USABLE @208V This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	129A SF 129A SF 129A SF laces and ed. notor from 1m and wi weight sub rocess.	cancel the the shaft e th toleranc bject to cha	2 149A previous or end. e of +3dB(<i>A</i> inges after	1 g Mo	These are power su	11 g EM	e tolerances stipu	lated in NEMA	

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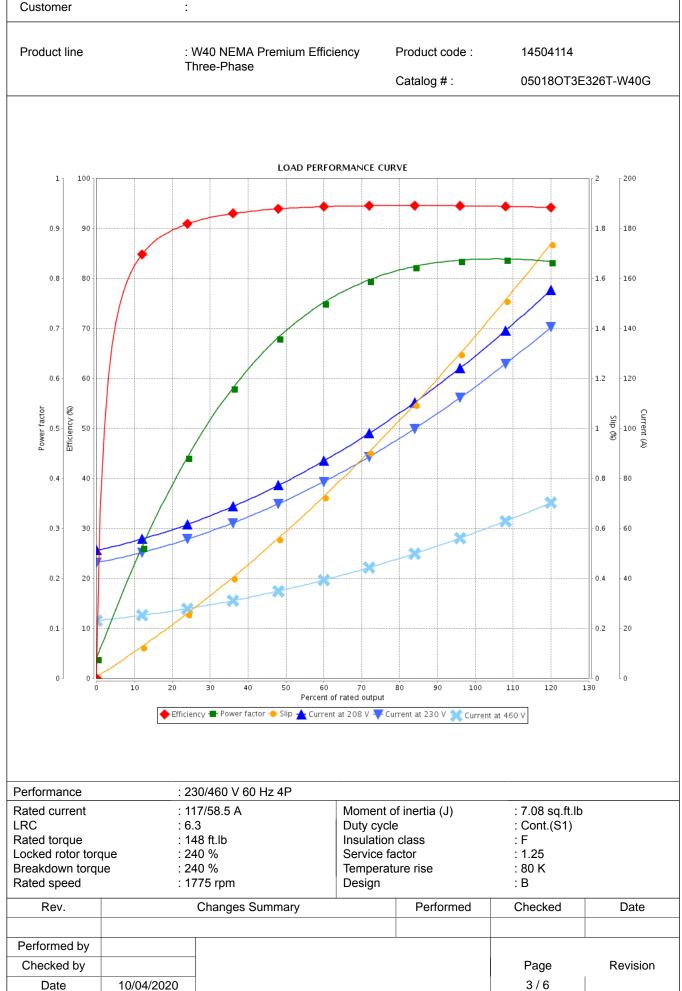


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LOAD PERFORMANCE CURVE

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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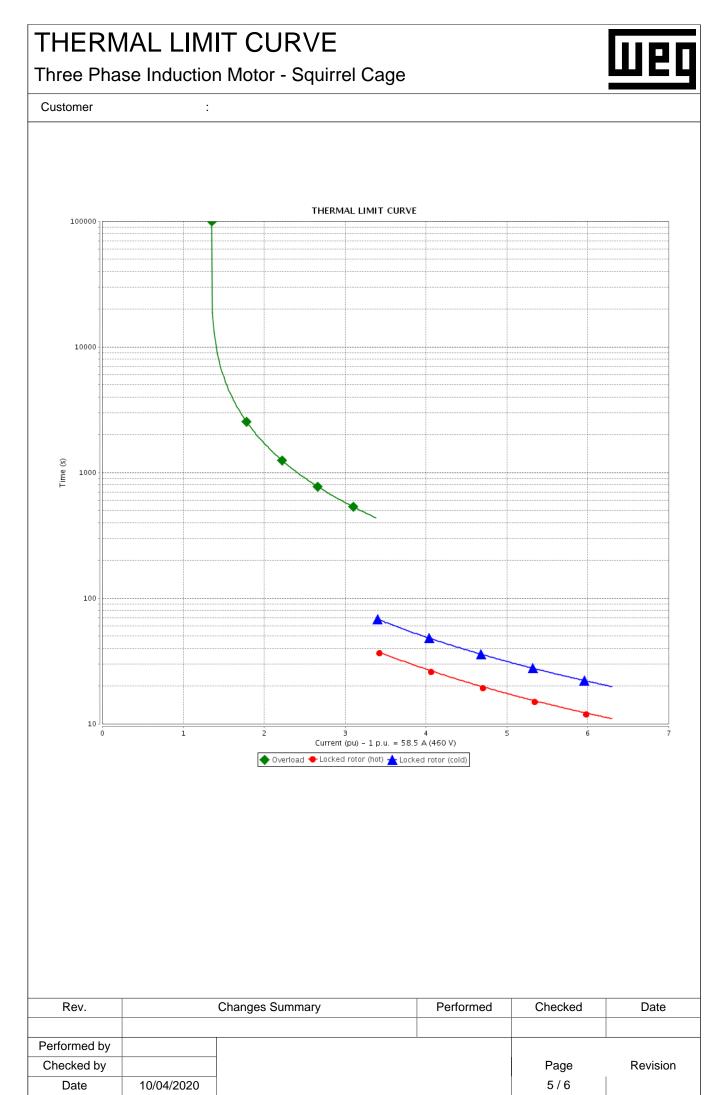


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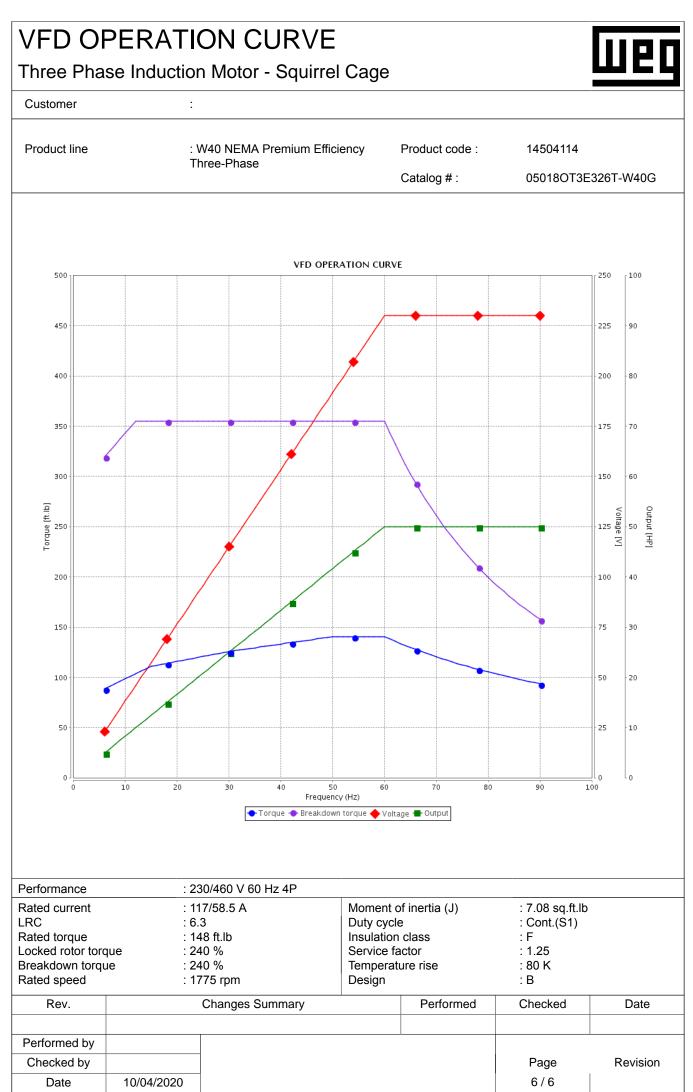
Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14504114	
				Catalog # :	05018OT3E326T-W40G	
Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		17/58.5 A 3 48 ft.lb 40 % 40 % 775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	10/04/2020				4 / 6	

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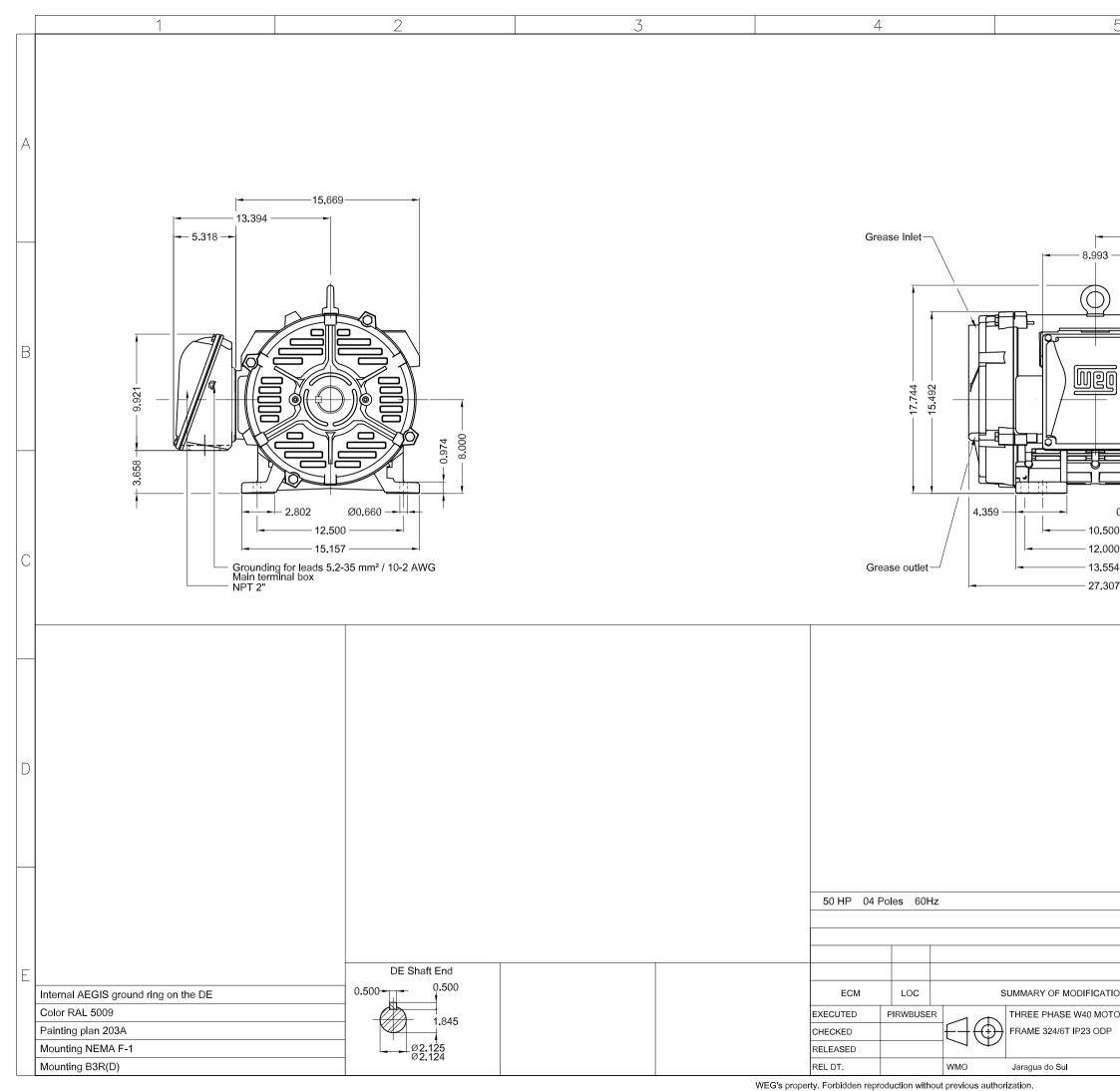
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			6		
		Grease Inlet			
		Grease outlet			
					ensions in inches
				1:8	Dimensions in inches
				1:8	
 	EXECUTED	CHECKED	RELEASED		A
	L	CHECKED	RELEASED	DATE	A
INS DR NEMA PREMIUN	L	CHECKED PREVI WDD			A

