## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

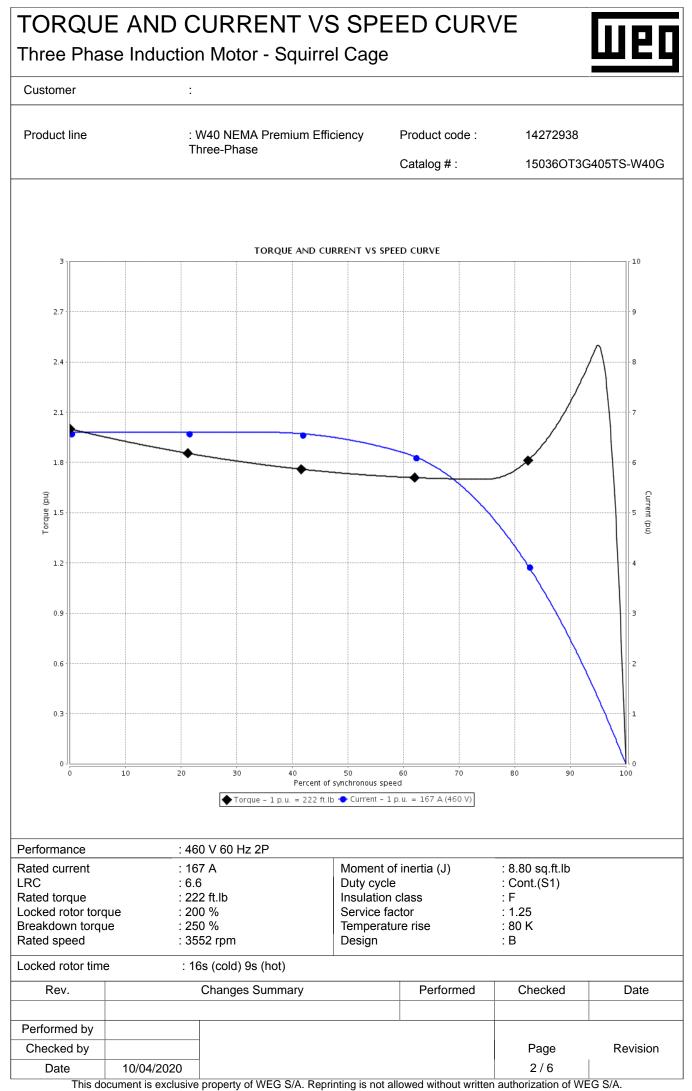
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Product line			) NEMA Pi e-Phase	remium Efficie		luct code : llog # :	14272938 15036OT30	6405TS-W40G
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque		: 2 : 60 H : 460 : 167 : 1102 : 6.6x : 40.0 : 3555 : 1.33 : 222	HP (110 k Hz A 2 A (Code G) ) A 2 rpm 3 % ft.lb	:W)	Locked roto Temperature Duty cycle Ambient ten Altitude Protection of Cooling met Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting me Approx. wei	r time e rise nperature legree thod	: 16s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : F-1	9s (hot) -40°C .s.l. 0P and CCW)
Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inertia Design	je	: 200 : 250 : F : 1.25 : 8.80 : B	%			-		
Output	25%	50%	75%	100%	Foundation lo	ads		
Efficiency (%) Power Factor	93.5 0.58	93.6 0.79	94.1 0.86	94.1 0.88	Max. traction Max. compres		: 1446 lb : 2377 lb	
	val nt	:		1418 h 27 g Mo	bil Polvrex FM	20000 h 13 g		
Lubricant type				27 g	bil Polyrex EM			
Lubricant amoun Lubricant type Notes This revision replanust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	aces and o ed. iotor from Im and wit weight sub ocess.	the shaft e	previous c nd. e of +3dB(	27 g Mo one, which (A).	These are av	13 g rerage values	based on tests wi	
This revision replanust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro-	aces and o ed. iotor from Im and wit weight sub ocess.	the shaft e th tolerance bject to cha	previous c nd. e of +3dB(	27 g Mo one, which (A).	These are av power supply MG-1.	13 g rerage values		
Lubricant type Notes This revision replanust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	aces and o ed. iotor from Im and wit weight sub ocess.	the shaft e th tolerance bject to cha	previous c and. e of +3dB( inges after	27 g Mo one, which (A).	These are av power supply MG-1.	13 g rerage values	e tolerances stipu	lated in NEMA

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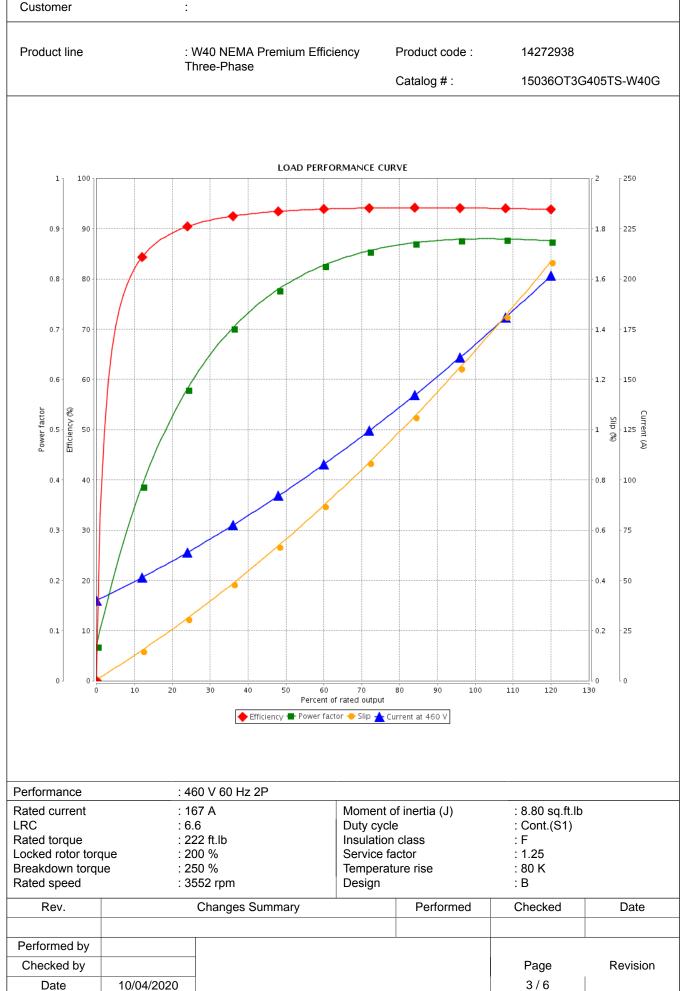
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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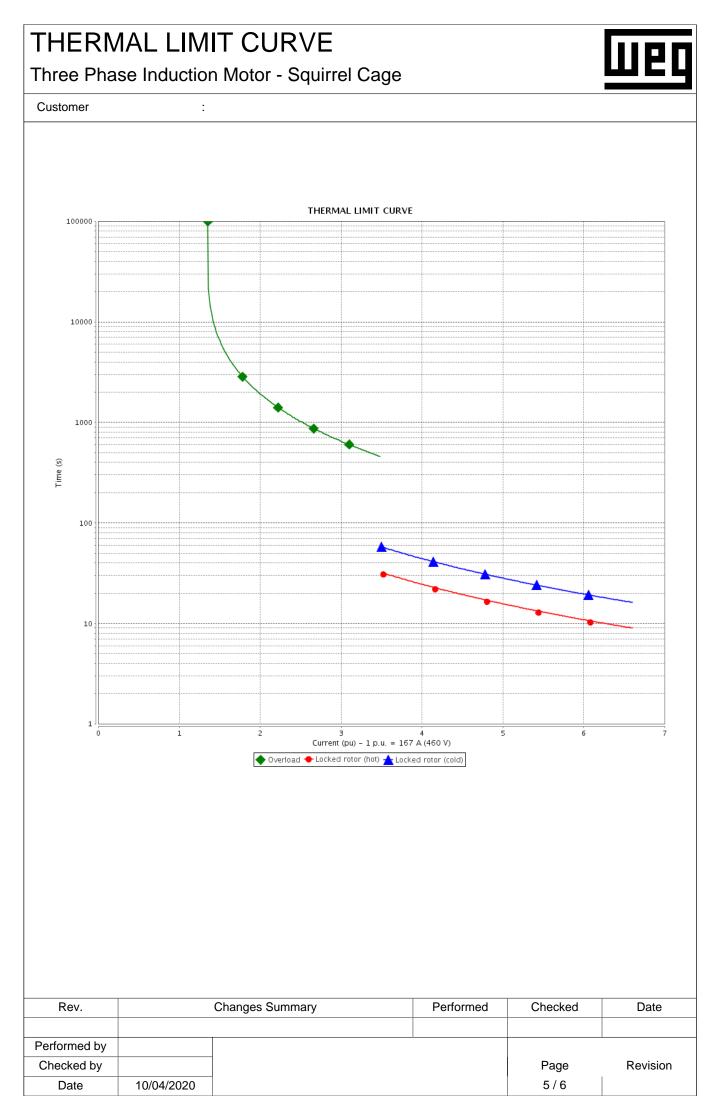
Product line		: W40 NEMA Premium Efficie	ency	Product code :	14272938	
		Three-Phase		Catalog # :	15036OT30	6405TS-W40G
Performance		: 460 V 60 Hz 2P				
Rated current		: 167 A	Moment o	f inertia (J)	: 8.80 sq.ft.lb	
LRC Rated torque		: 6.6 : 222 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tore	que	: 200 %	Service fa	ctor	: 1.25	
Breakdown torqu		: 250 %	Temperatu	ure rise	: 80 K	
Rated speed		: 3552 rpm	Design		: B	
Heating constant						
Cooling constant	t			<b>.</b>		
Rev.		Changes Summary		Performed	Checked	Date
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 Revision

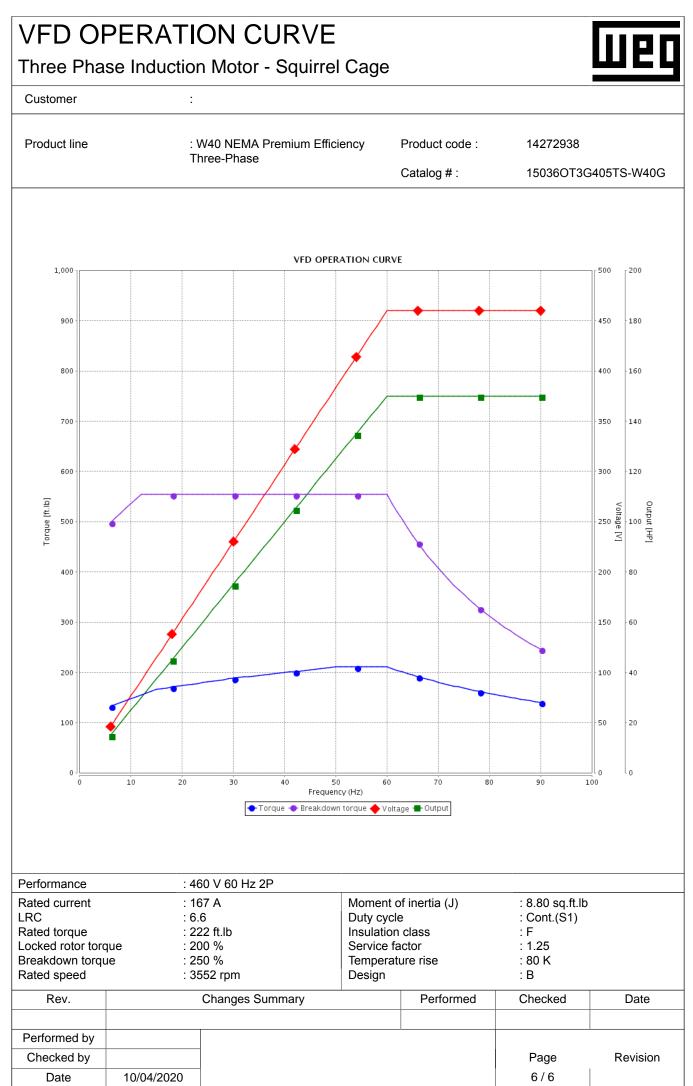
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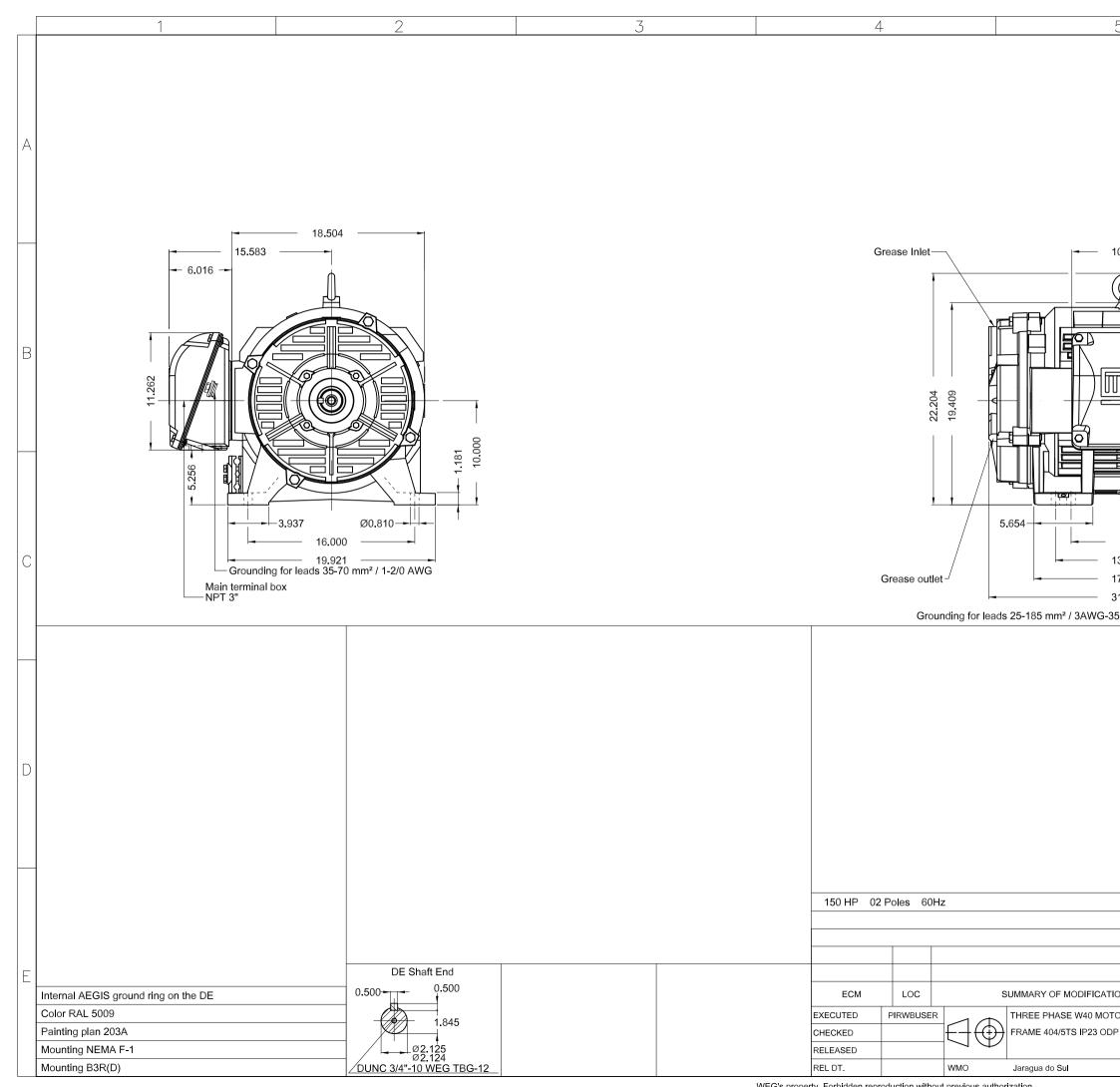
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10.591 —	Grease Inlet	
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═══╴╱╵┠═┸ <b>╌╨╶┦╶</b> ╏	2.756	
2.058		
12.250 - 6.625 13.750	4.250	
17.866	Grease outlet	
31.100		
350MCM		
		hes
		sions
		Dimensions in inches
		A
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IONS EXECUTE	D CHECKED RELEASED D	DATE VER
	PREVIEW	
Product Engineering	SHEET 1 / 1	XME