DATA SHEET

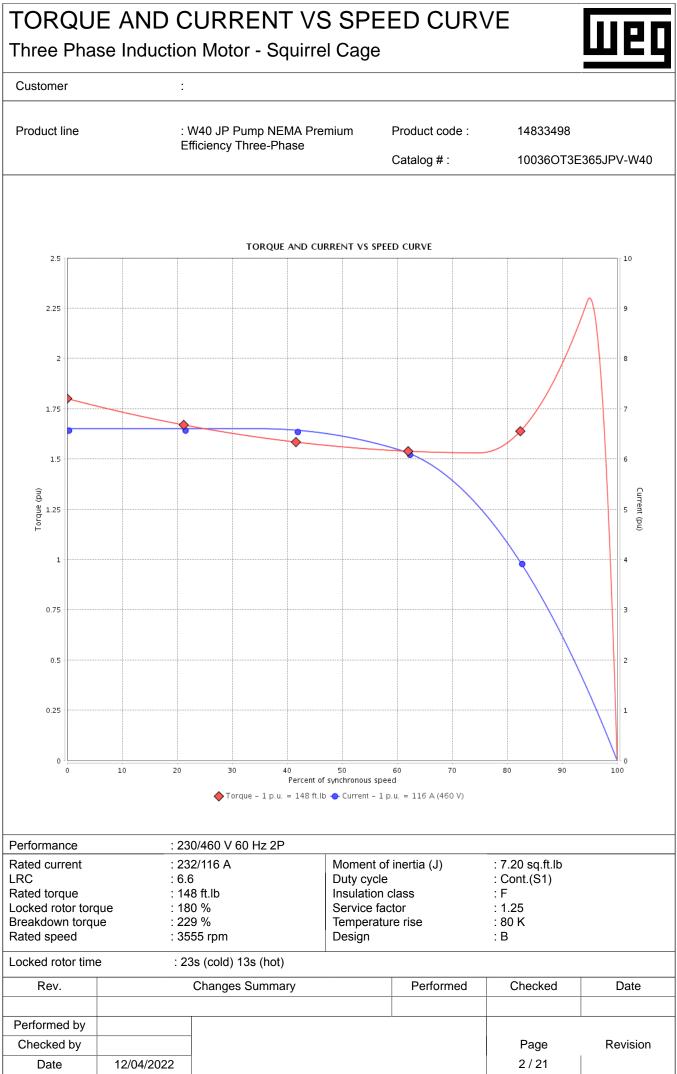
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Pr	Product code :		14833498		
				Ca	atalog # :	10036OT	3E365JPV-W40		
Frame		: 364/5JP		Cooling m	ethod	: IC01 - O	DP		
Insulation class		: F	F Mountin				: W-6		
Duty cycle		: Cont.(S1)					: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C			Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.			Approx. weight ³		: 746 lb		
Protection degree Design	e	: IP23 : B		Moment of	f inertia (J)	inertia (J) : 7.20 sq.ft.lb			
Dutput [HP]		100		75	7	5	75		
oles		2		2	2	-	2		
requency [Hz]		60		50	5		50		
Rated voltage [V]		230/460		380	40		415		
Rated current [A]		230/400		103	10		97.8		
. R. Amperes [A]		1531/766		773	80		773		
			7 .						
RC [A]	1	6.6x(Code G)	1.5	5x(Code H)	8.0x(C		7.9x(Code J)		
lo load current [A		59.0/29.5		28.5	32		35.0		
Rated speed [RPN	/I]	3555		2960	29		2967		
Slip [%]		1.25		1.33	1.2		1.10		
Rated torque [ft.lb]		148		133	13		133		
ocked rotor torqu		180		220	24		250		
Breakdown torque	[%]	229		260	28		320		
Service factor		1.25		1.00	1.0		1.00		
emperature rise		80 K		80 K	80		80 K		
ocked rotor time		23s (cold) 13s (hot)	19s (cold) 11s (h		t) 18s (cold)	10s (hot) 1	9s (cold) 11s (hot)		
loise level ²	050/	84.0 dB(A)		00 0		2	00.0		
	25%	92.2	88.0		88		88.2		
Efficiency (%)	50%	92.4	90.2		90		90.3		
	75%	93.6	91.9		92		92.0		
	100%	93.6		94.3	94		94.3		
	25%	0.55	0.53		0.4		0.47		
Power Factor	50%	0.77		0.74	0.6		0.70		
	75%	0.84		0.83	0.7		0.80		
	100%	0.87		0.86		54	0.83		
			ive end	Foundation					
Bearing type			iiia		Max. traction : 1083 lb				
Sealing			ithout	Max. comp	ression	: 1829 lb			
			ing Seal						
Lubrication interv			143 h						
Lubricant amoun	t		13 g						
Lubricant type		: Mobil Polyrex E	EM						
Notes USABLE @208V	257A SF 1.′	15 SFA 295A							
must be eliminate (1) Looking the m	d. otor from the	ncel the previous one, where the previous one, where the shaft end.	hich		average values bly, subject to th		with sinusoidal pulated in NEMA		
	veight subjeo ocess.	t to changes after							
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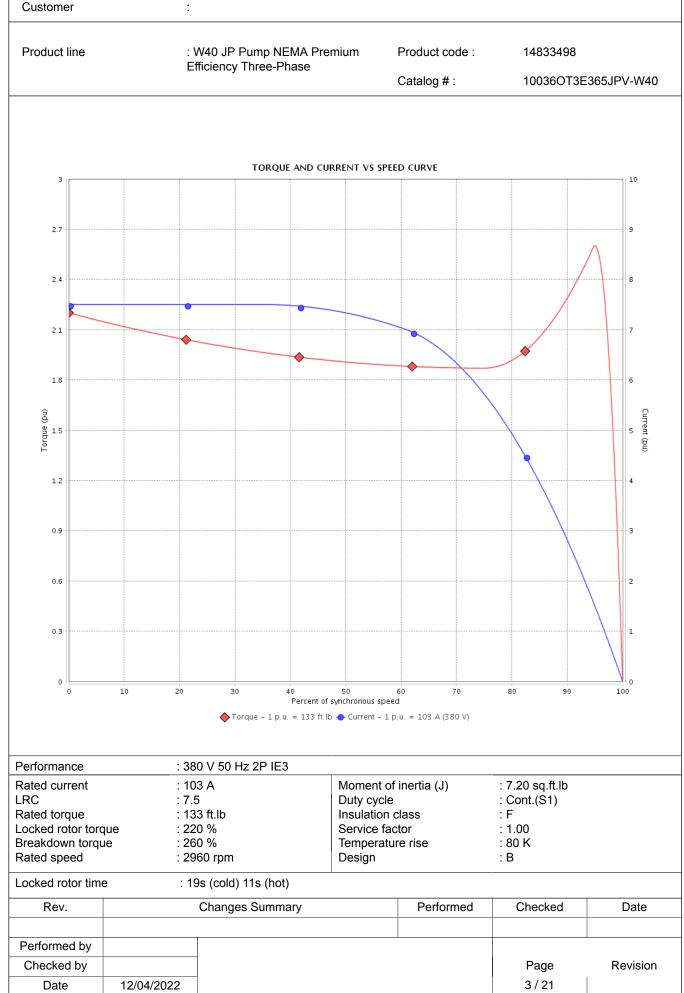


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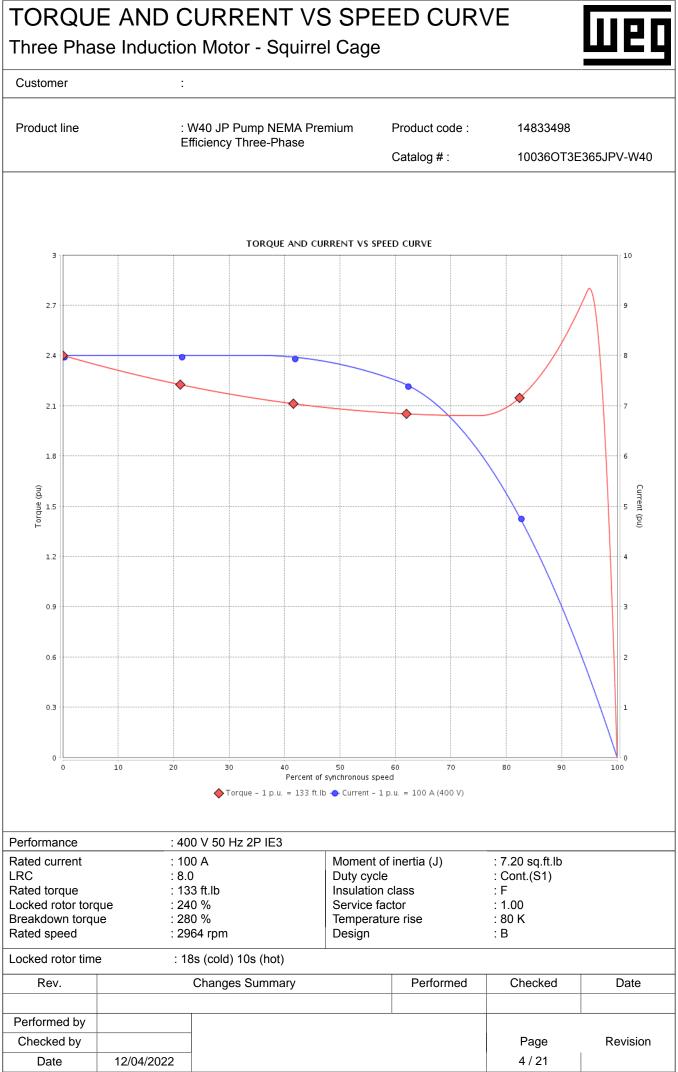
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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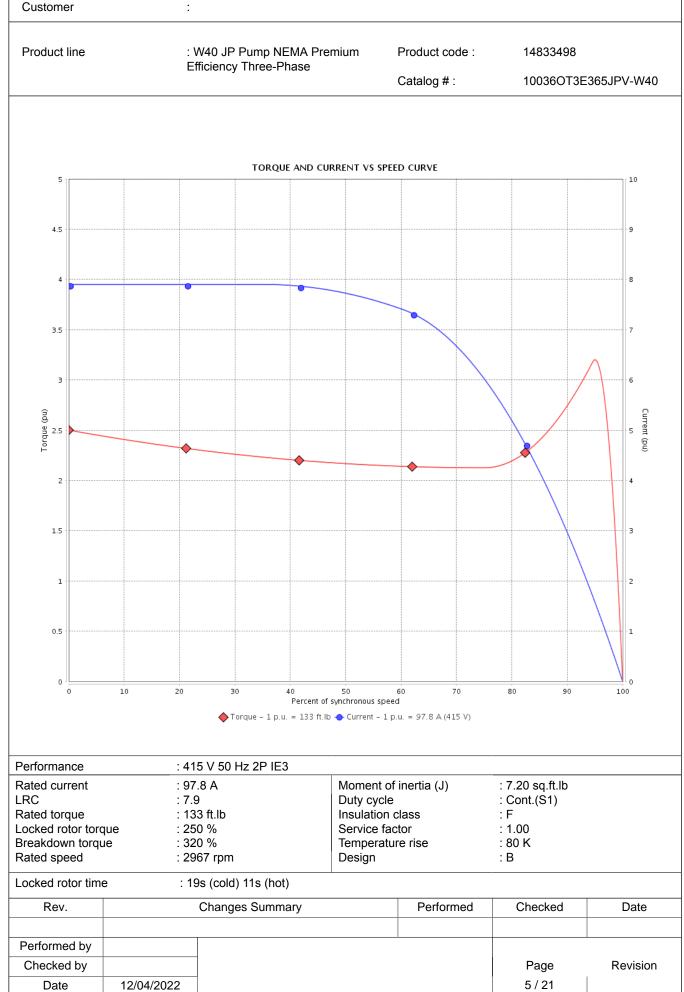


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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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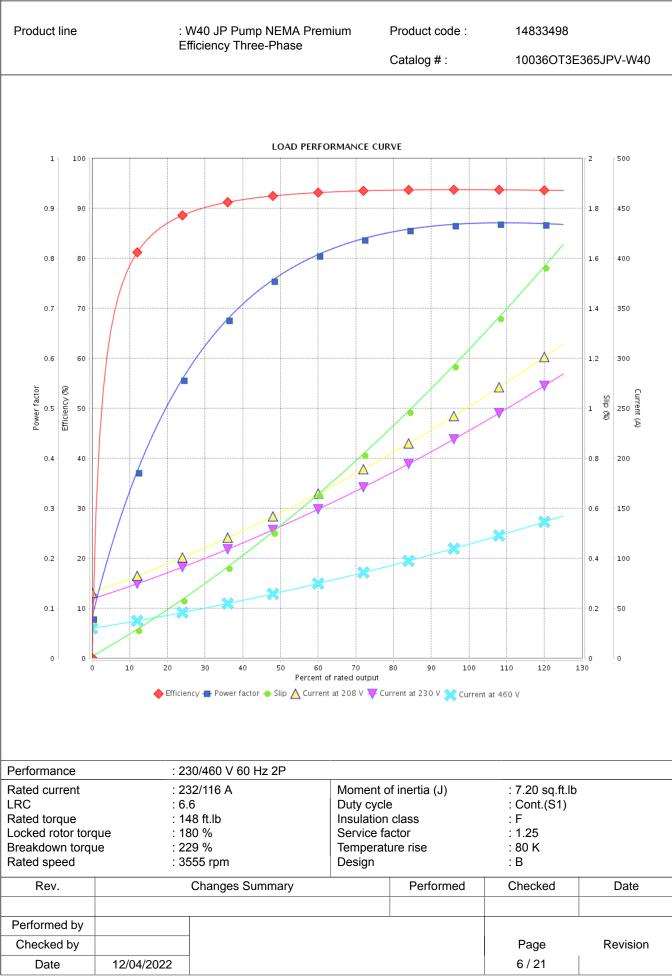
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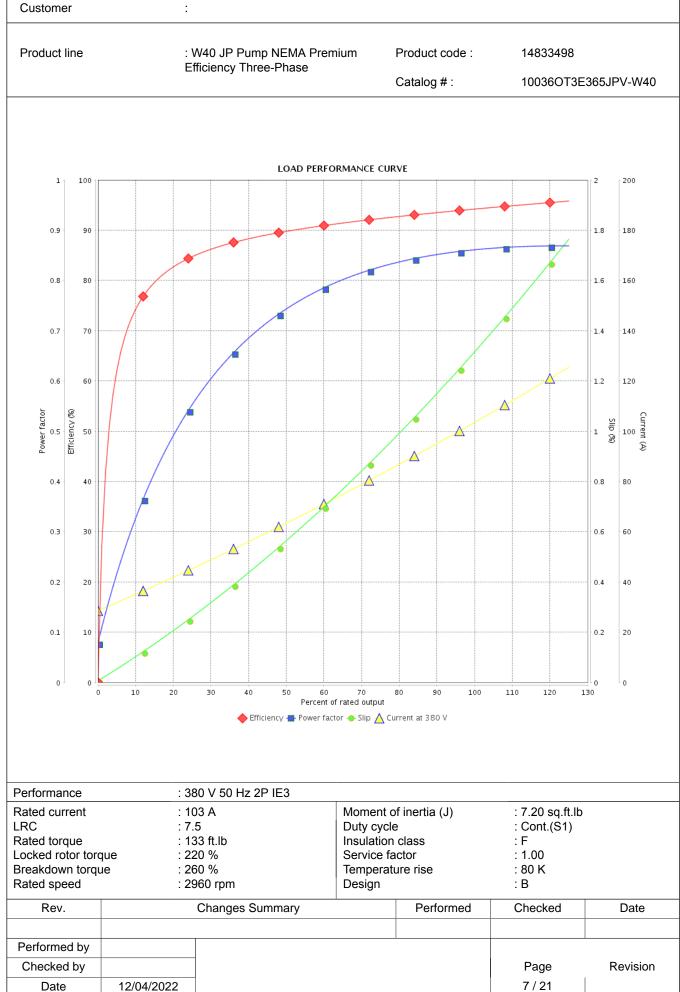


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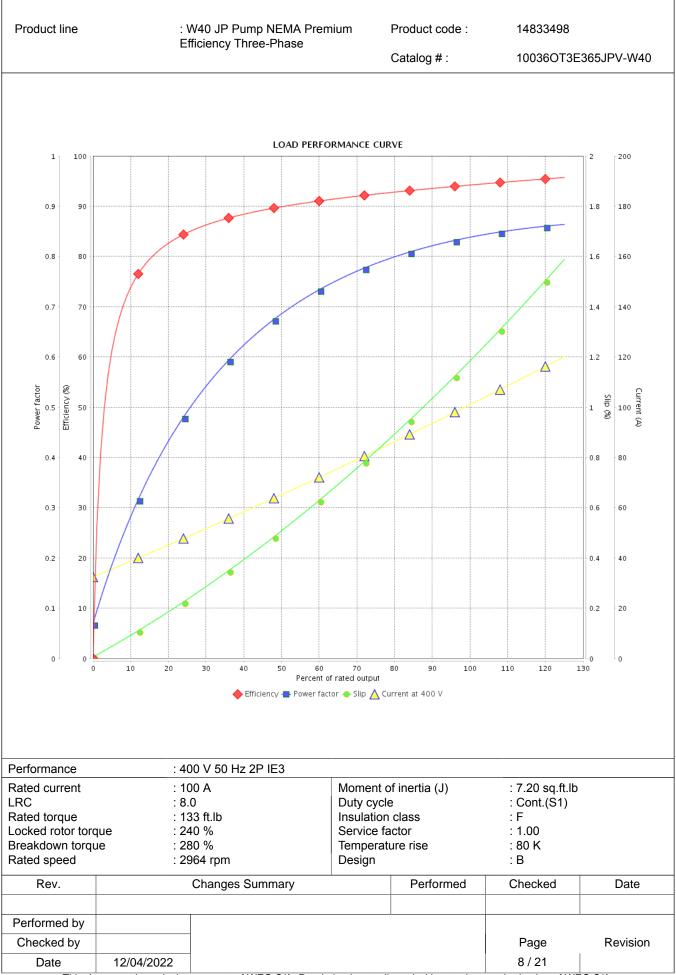
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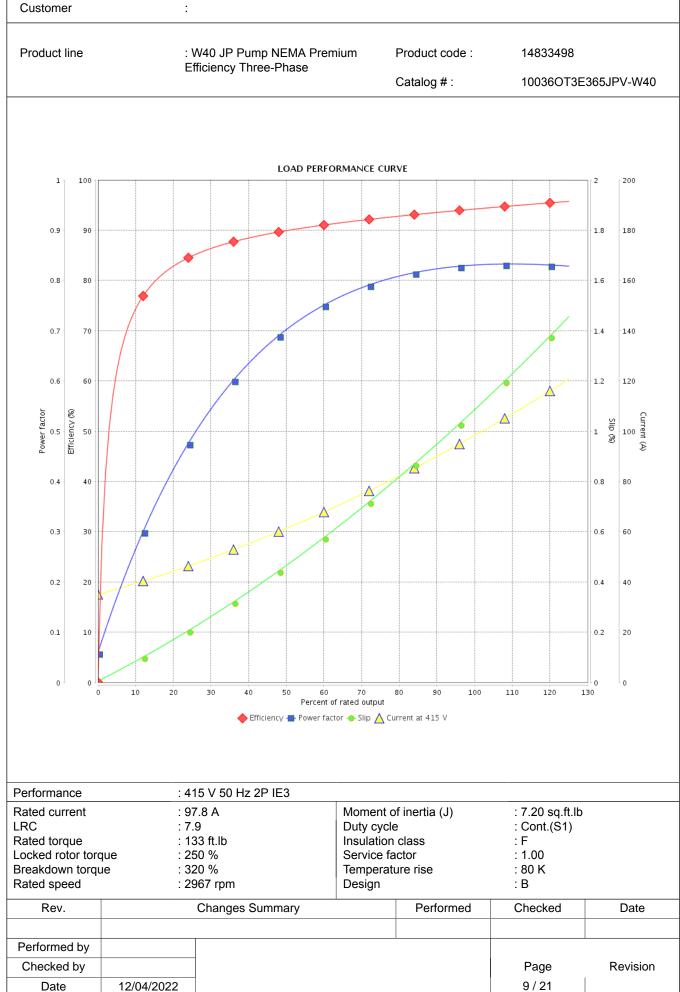


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THERMAL LIMIT CURVE

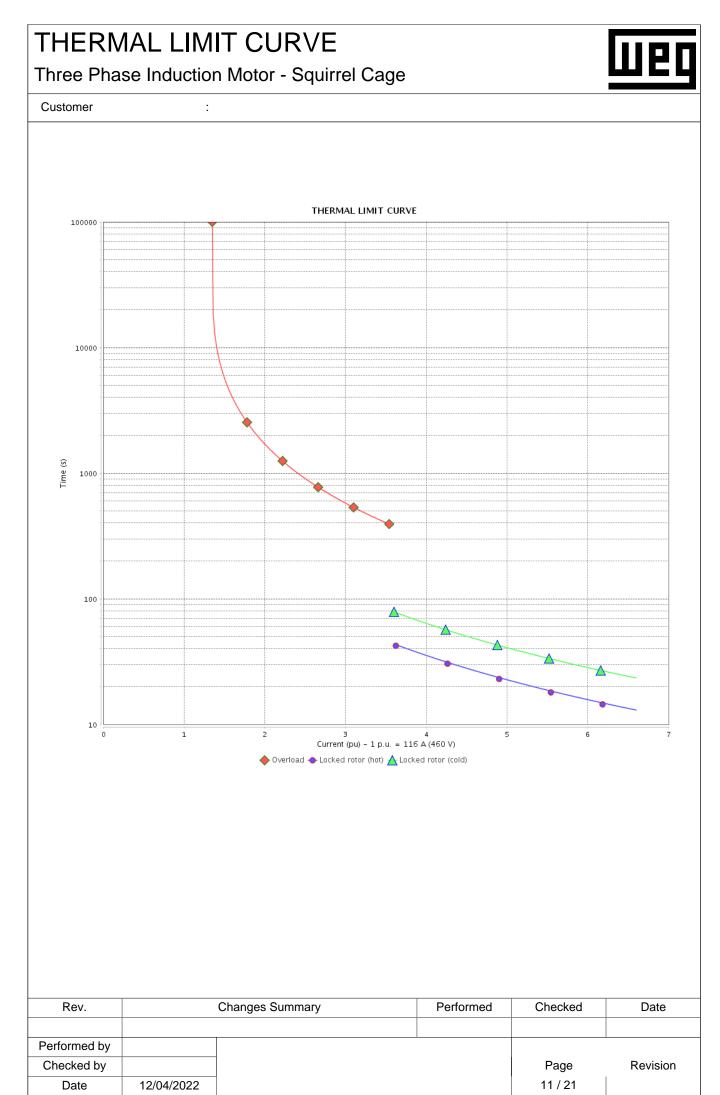
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	Efficiency Three-Phase		Product code : Catalog # :	14833498 10036OT3E3	14833498 10036OT3E365JPV-W40	
Performance	: 2	30/460 V 60 Hz 2P				
Rated current		32/116 A	Moment o Duty cycle	f inertia (J)	: 7.20 sq.ft.lb	
		: 6.6 Duty cyc : 148 ft.lb Insulatio			: Cont.(S1) : F	
Locked rotor torque		: 180 % Service			: 1.25	
Breakdown torque : 229 Rated speed : 355		29 % Temperat 555 rpm Design		ure rise	: 80 K : B	
Heating constant		·	<u> </u>			
Cooling constant						
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

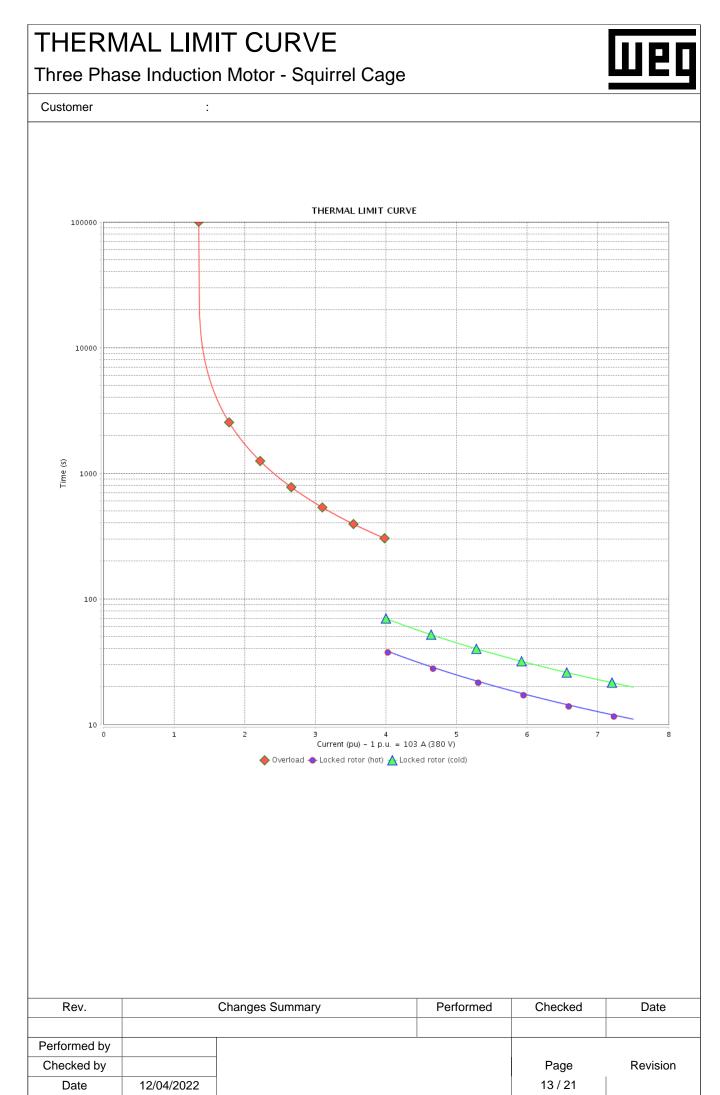
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14833498	14833498	
				Catalog # :	10036OT3E3	10036OT3E365JPV-W40	
Performance		80 V 50 Hz 2P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu	: 7 : 1 jue : 2	03 A .5 33 ft.lb 20 % 60 %	Moment of Duty cycle Insulation Service fa Temperat	class actor	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K		
Rated speed		960 rpm	Design		: B		
Heating constant							
Cooling constant	<u> </u>						
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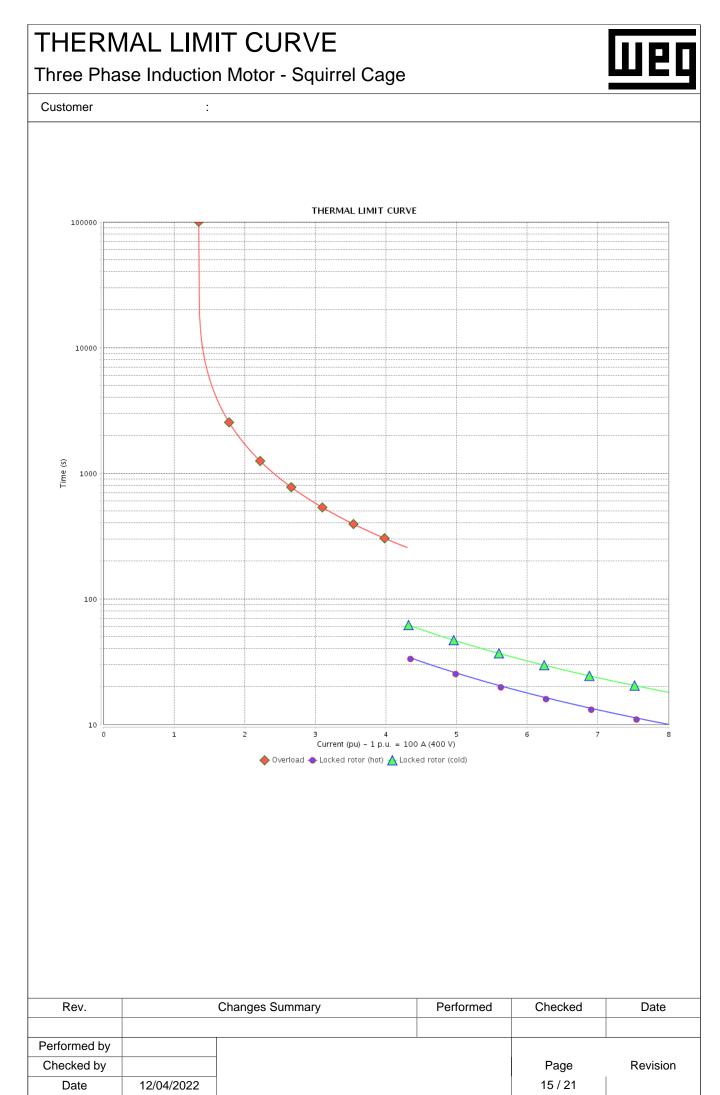
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14833498	14833498 10036OT3E365JPV-W40	
					10030013E30	555F V-VV40	
Performance		00 V 50 Hz 2P IE3					
Rated current LRC		00 A	Moment of Duty cycl	of inertia (J)	: 7.20 sq.ft.lb : Cont.(S1)		
		: 8.0 Duty cyc : 133 ft.lb Insulatio			: F		
Locked rotor torq	ue : 2	40 %	Service fa	actor	: 1.00		
Breakdown torque : 280 %		Temperature rise		: 80 K			
Rated speed	: 2	964 rpm	Design		: B		
Heating constant							
Cooling constant				,			
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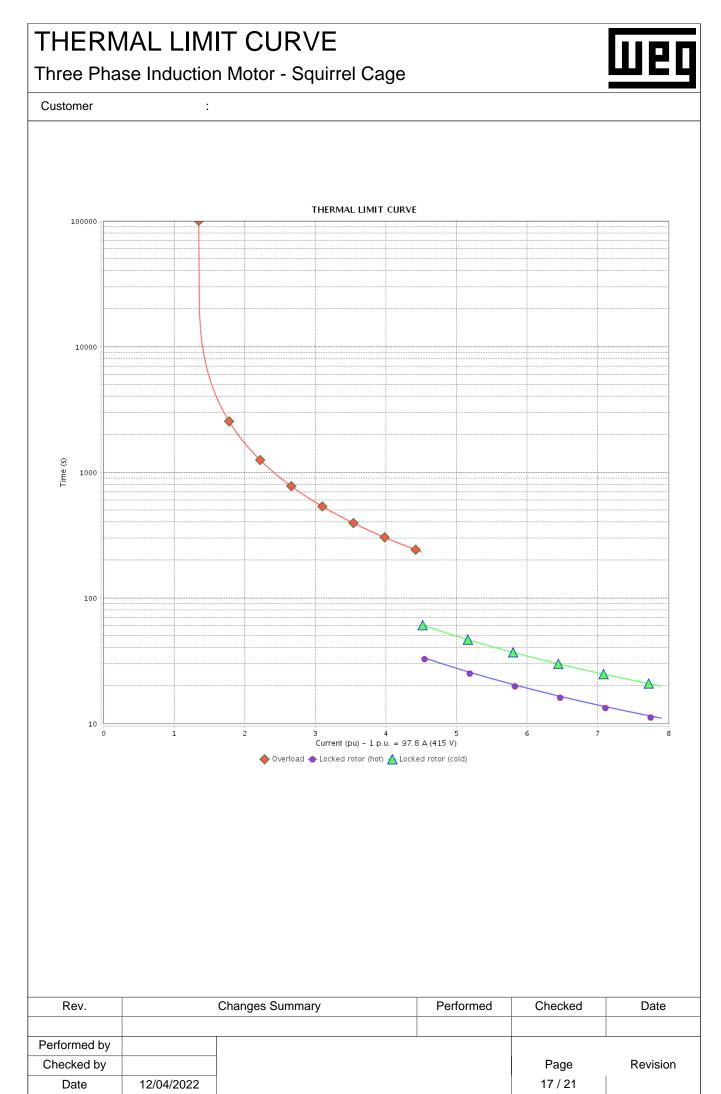
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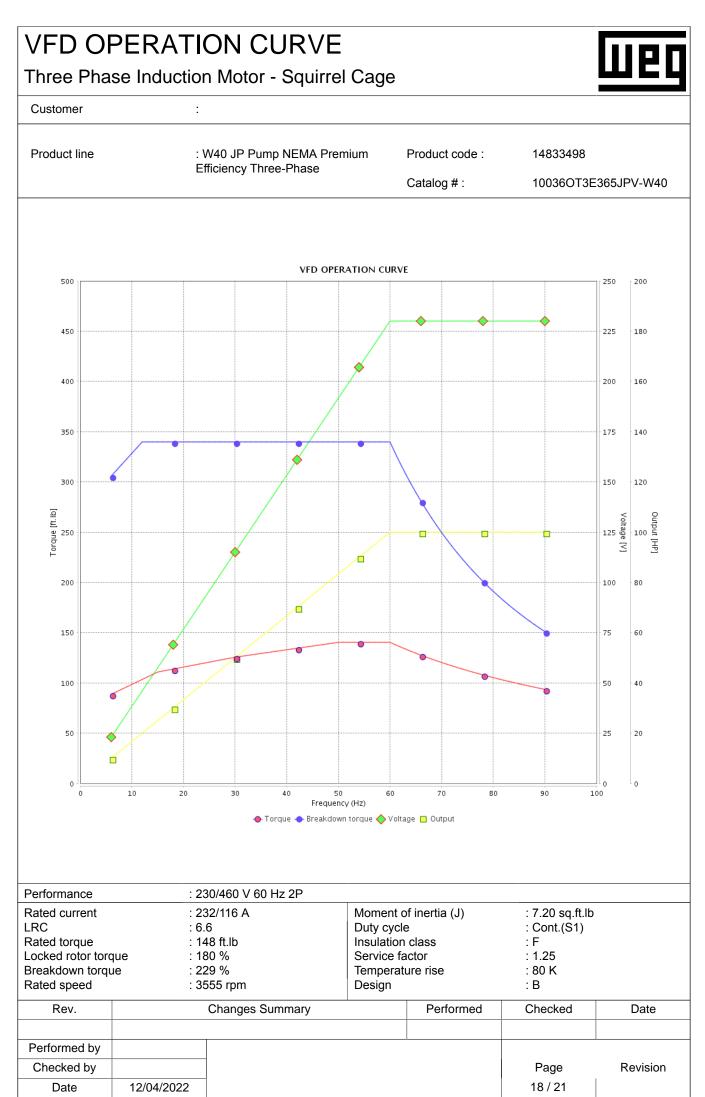


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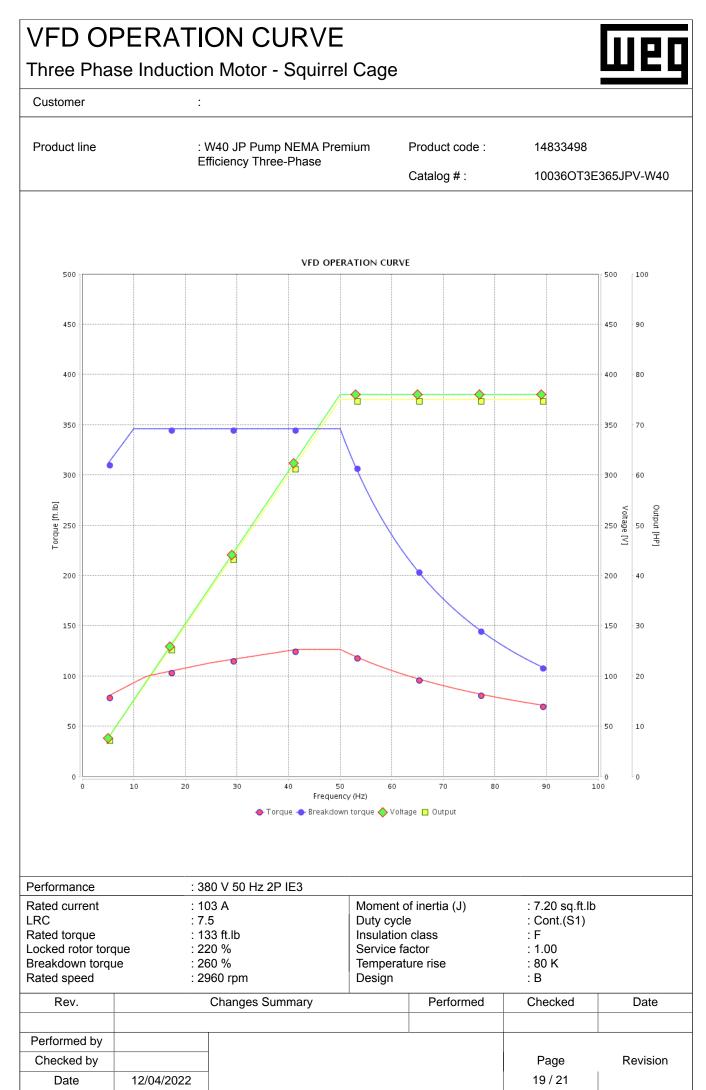
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14833498 10036OT3E3	14833498 10036OT3E365JPV-W40	
Performance		15 V 50 Hz 2P IE3					
Rated torque		: 97.8 A Mome : 7.9 Duty o : 133 ft.lb Insula : 250 % Servic		class	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00		
Breakdown torqu Rated speed	ue : 3	20 % 967 rpm	Temperate Design		: 80 K : B		
Heating constan							
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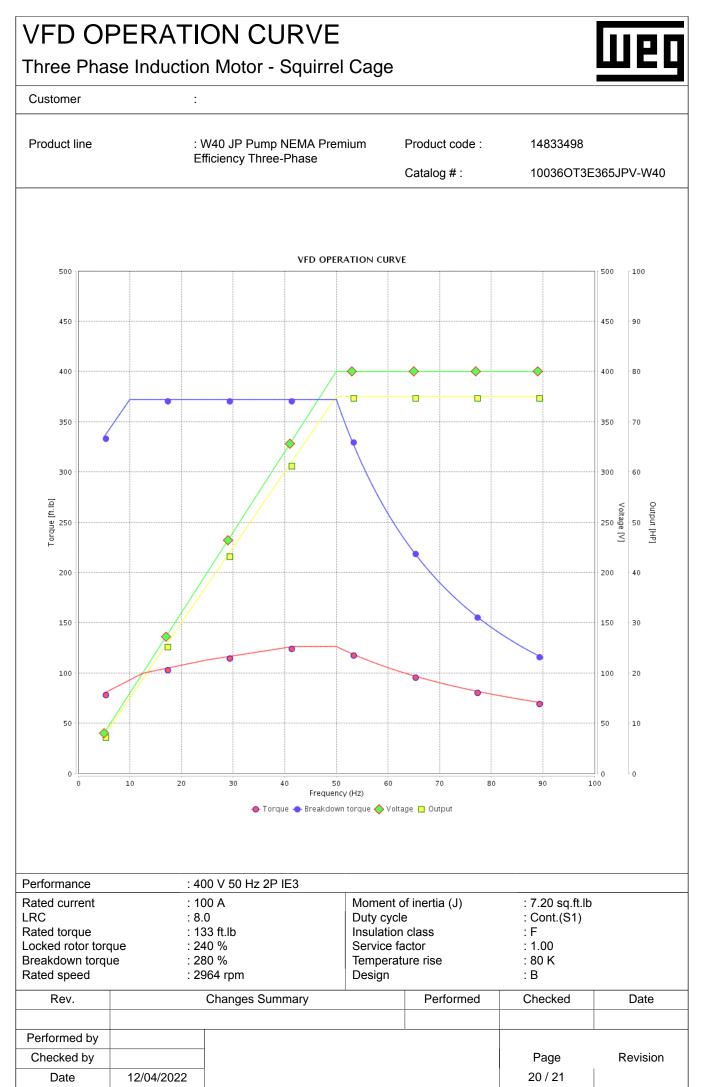


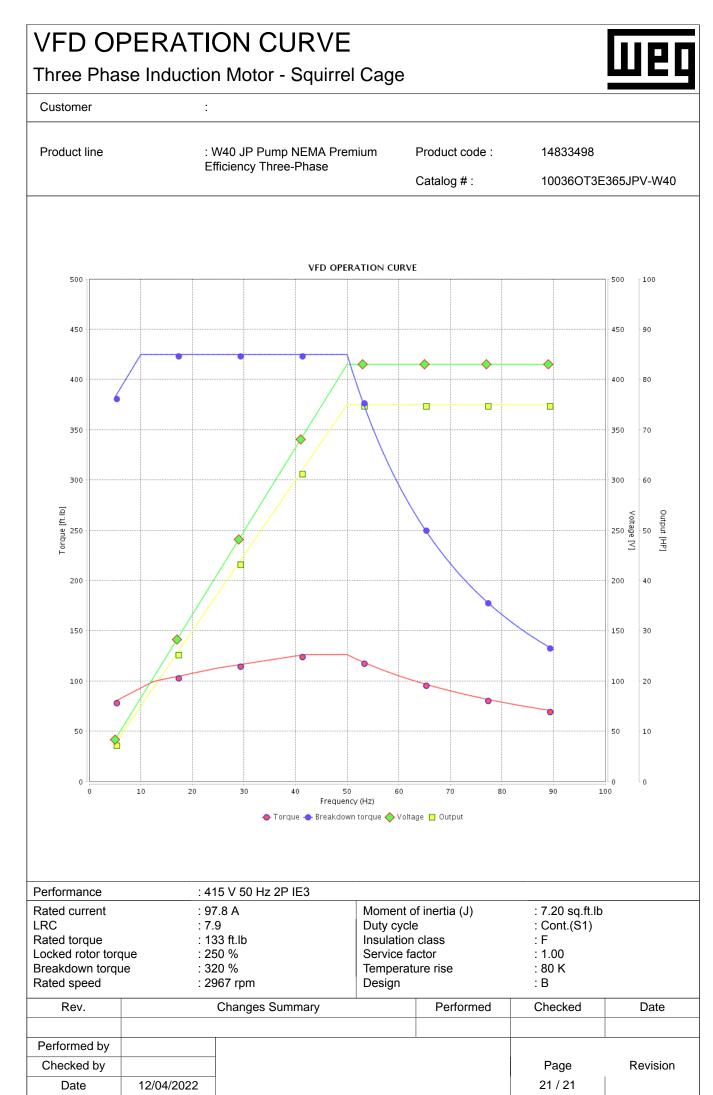


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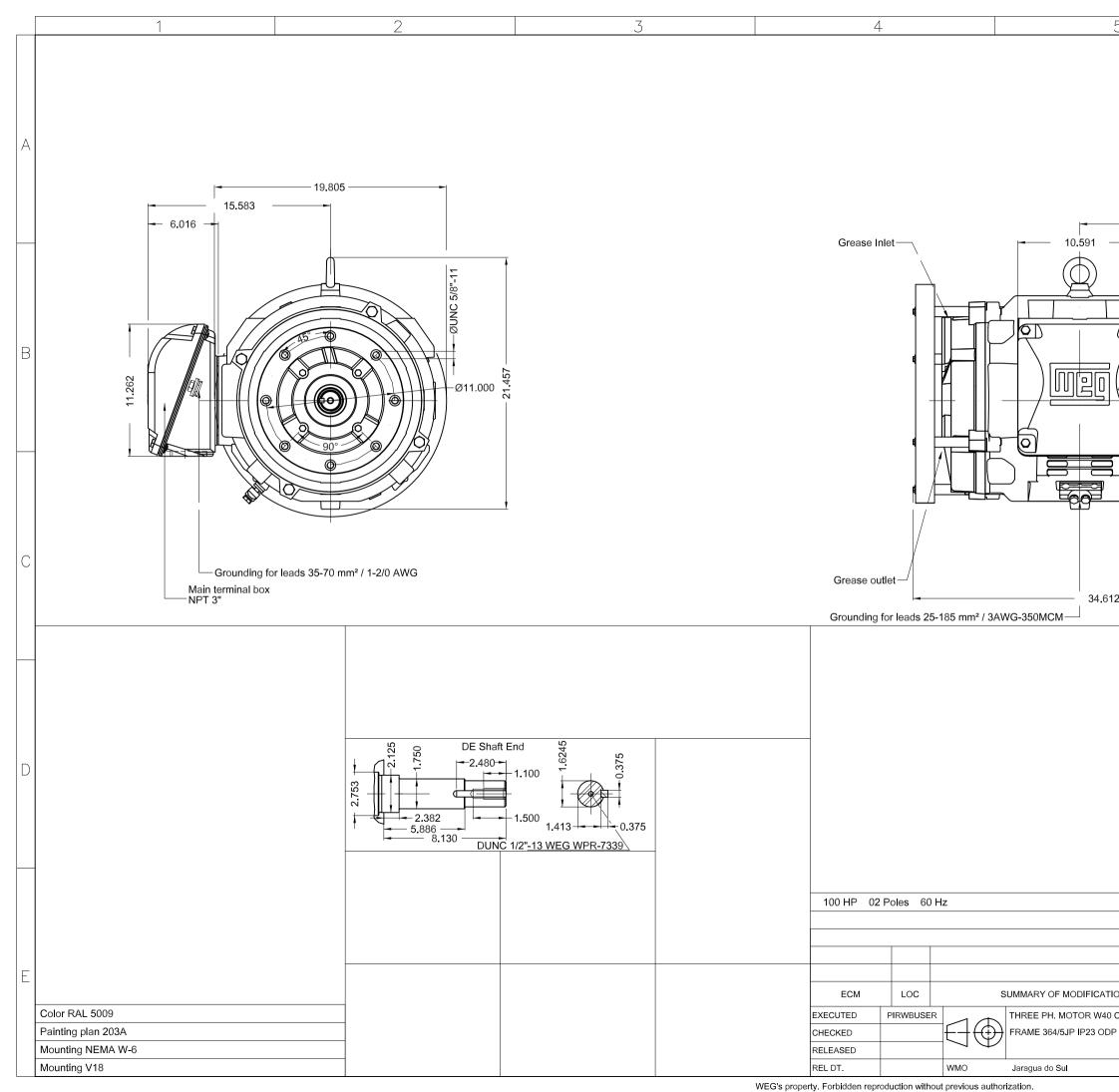


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