# DATA SHEET

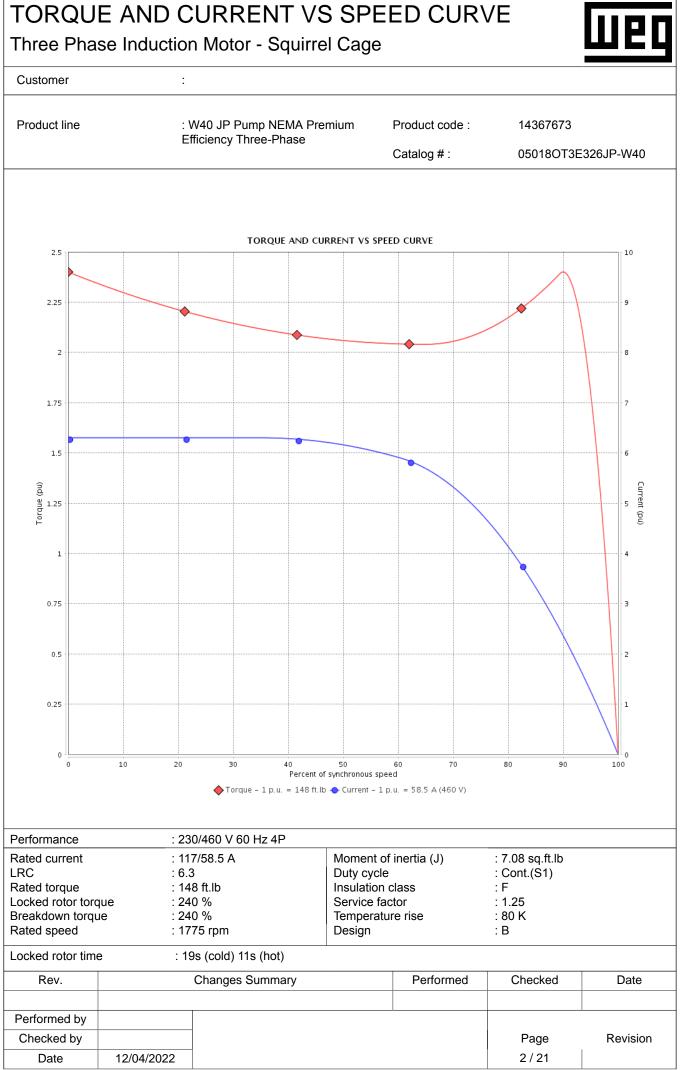
Three Phase Induction Motor - Squirrel Cage

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#### Customer

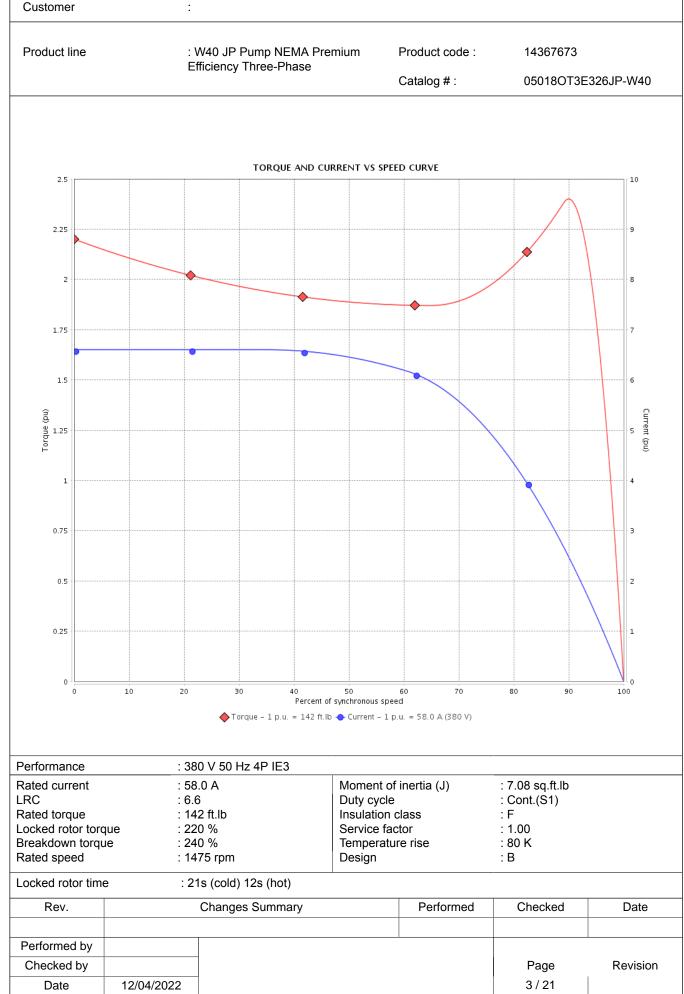
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Pr	m Product code :		14367673	
		Elliciency Three-Filas	be	Ca	atalog # :	05018O	T3E326JP-W40	
Frame Insulation class Duty cycle Ambient tempera Altitude	ature	: 324/6JP : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 526 lb		
Protection degree	e	: IP23 : B			f inertia (J)	: 7.08 s	q.ft.lb	
Output [HP]		50		40	4	n	40	
Poles		4		4	4	-	4	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		117/58.5		58.0	56		55.7	
		737/369		383	38		401	
. R. Amperes [A]								
RC [A]	-	6.3x(Code G)	6.6	6x(Code G)	6.9x(Co		7.2x(Code J)	
No load current [A	-	46.4/23.2		22.8	25		27.0	
Rated speed [RPN	/]	1775		1475	14		1480	
Slip [%]		1.39		1.67	1.6		1.33	
Rated torque [ft.lb]	]	148		142	14	2	142	
ocked rotor torqu		240	1	220	25		270	
Breakdown torque		240		240	27		300	
Service factor	۲,۰۰۱	1.25		1.00	1.0		1.00	
		80 K		80 K	80		80 K	
Temperature rise								
Locked rotor time Noise level <sup>2</sup>		19s (cold) 11s (hot) 66.0 dB(A)	21s (c	cold) 12s (ho	t) 21s (cold)	12s (hot)	21s (cold) 12s (hot)	
	25%	94.0		92.9	92	.9	92.9	
	50%	94.1	93.1		93	.1	93.1	
Efficiency (%)	75%	94.5	93.5		93	5	93.5	
	100%	94.5	93.6		93		93.6	
	25%	0.44		0.44	0.4		0.37	
		-	0.44					
Power Factor	50%	0.70			0.6		0.62	
	75%	0.80		0.80	0.7		0.74	
	100%	0.84		0.84	3.0	32	0.80	
Bearing type Sealing		: 6312 Z C3 621	r <u>ive end</u> 1 Z C3 ithout	Foundation Max. traction Max. comp	on			
Lubrication interv		Bearing Seal Bear : 20000 h 20	ing Seal 000 h 11 g					
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	129A SF 1.1	15 SFA 149A		1				
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec	ncel the previous one, where the previous one, where the shaft end. The olerance of +3dB(A). The to changes after	hich				ts with sinusoidal stipulated in NEMA	
(4) At 100% of ful						<u></u>		
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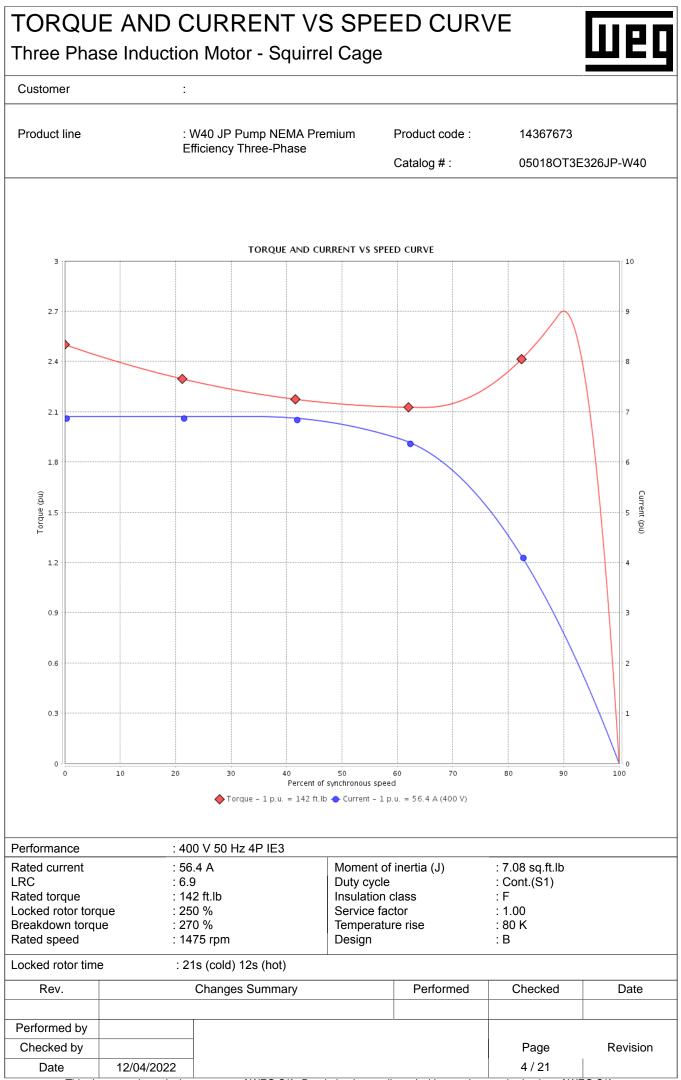
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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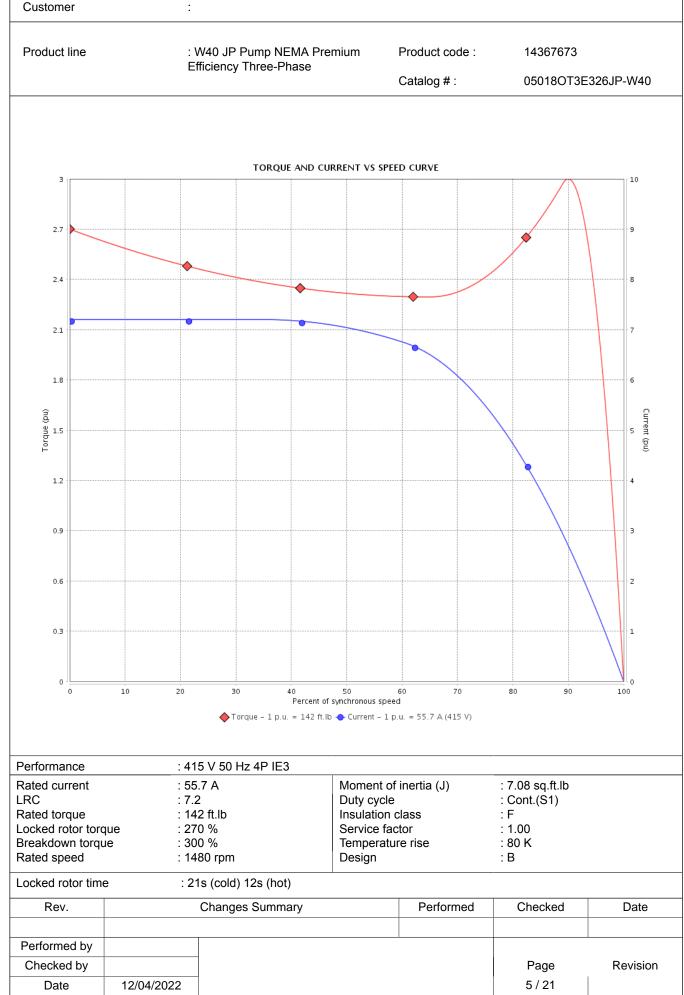
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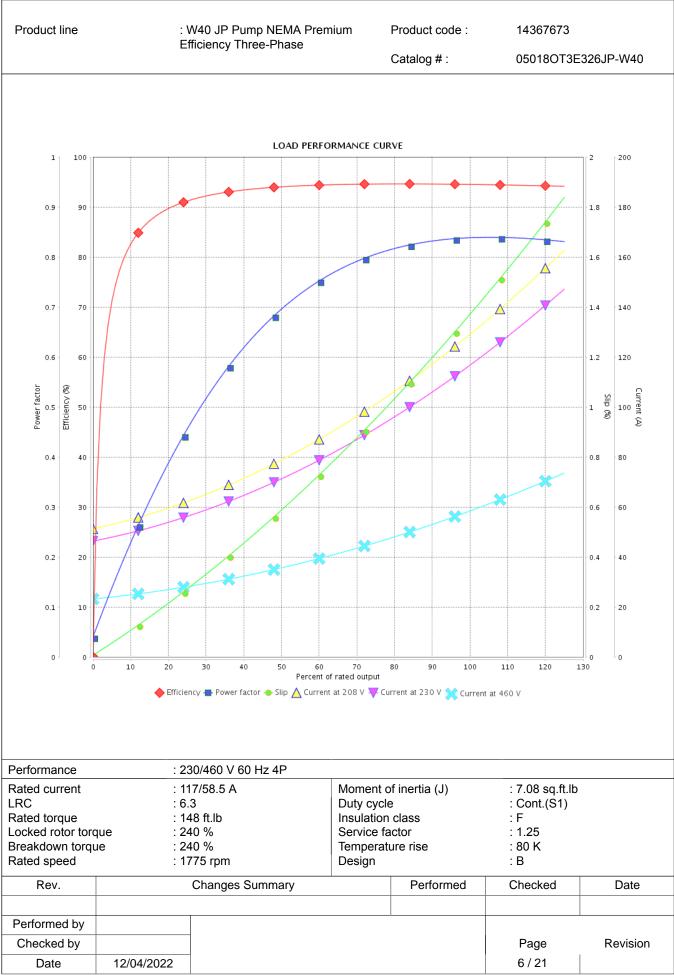
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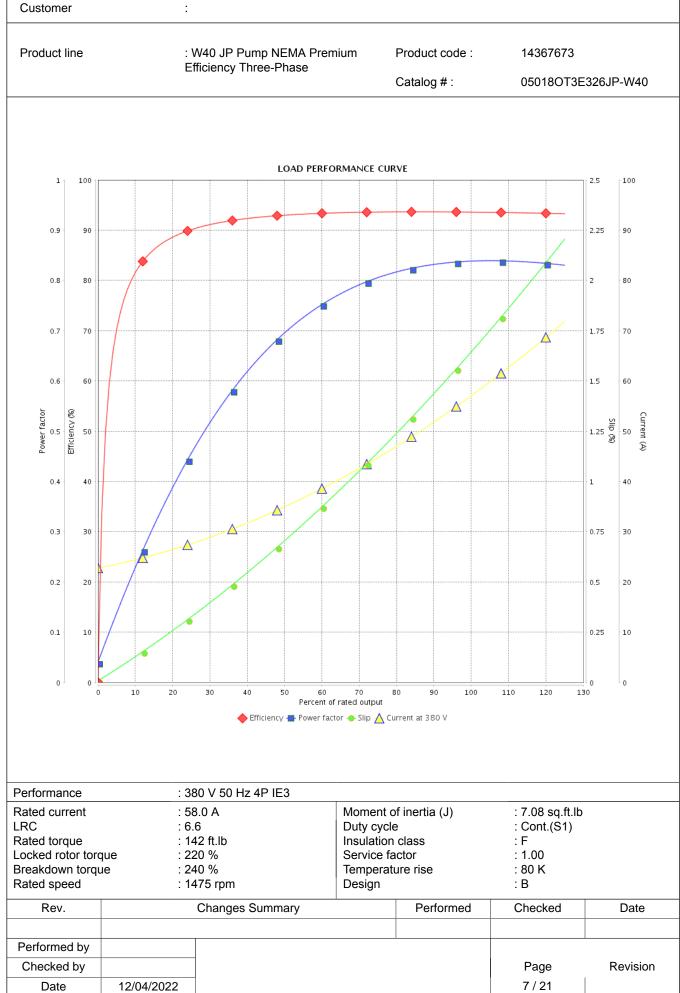


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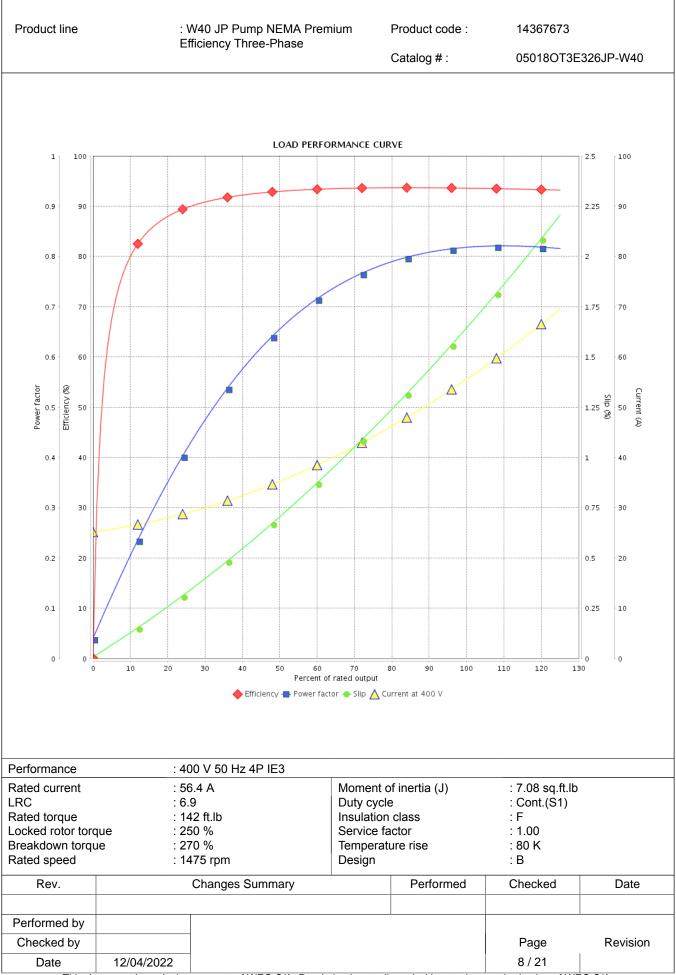
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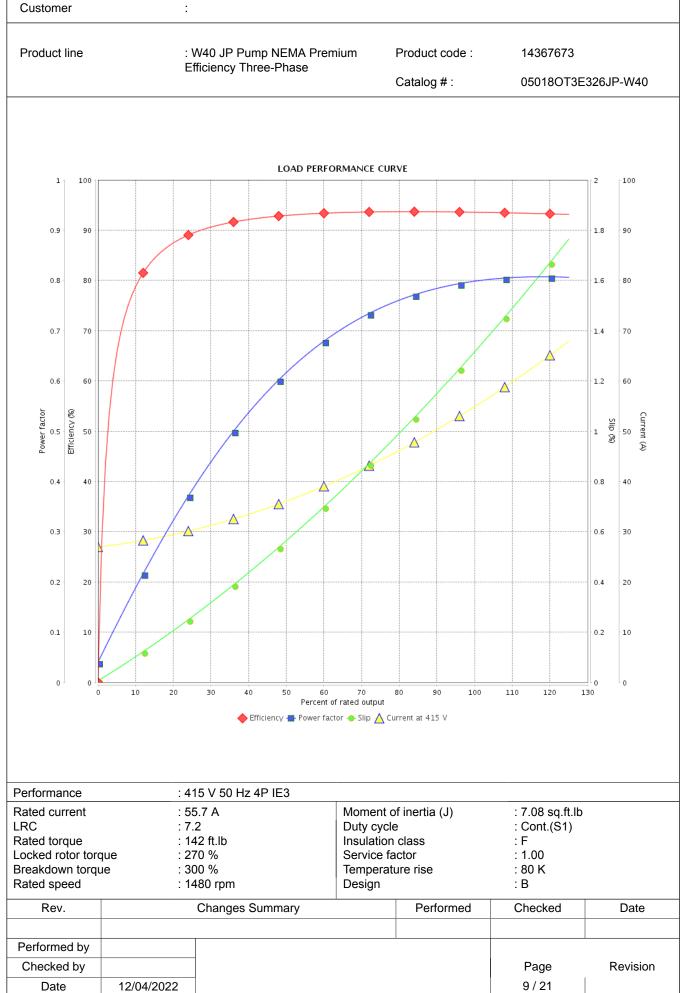


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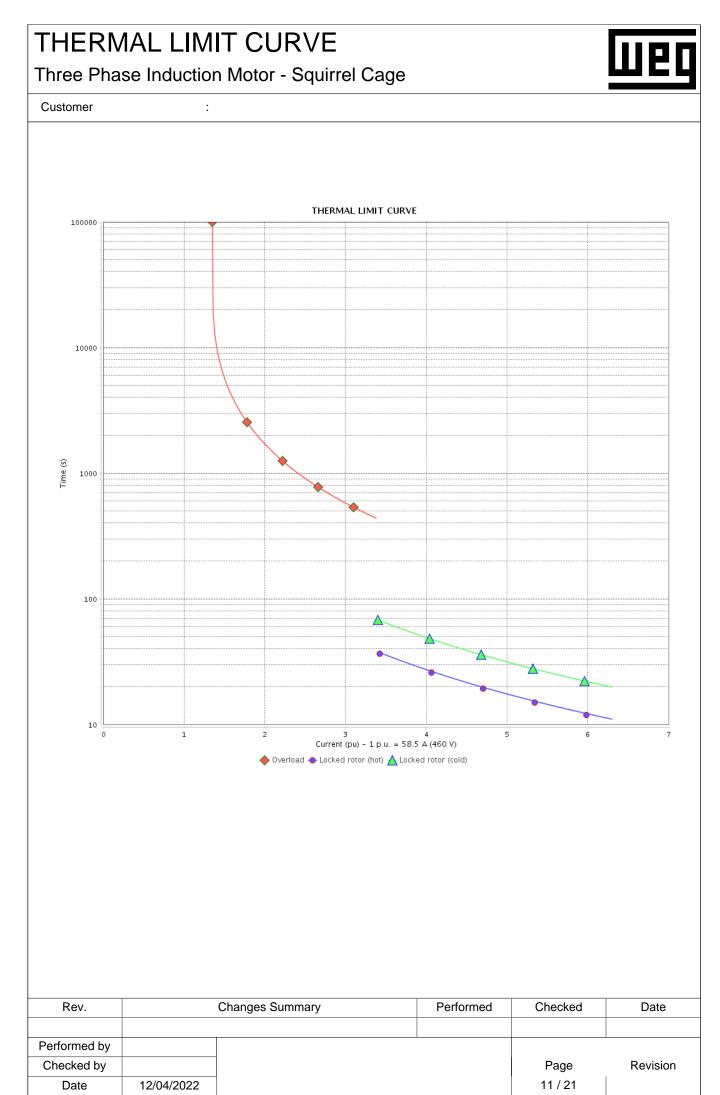
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14367673	14367673 05018OT3E326JP-W40	
				Catalog # :	05018013E3	26JP-W40	
Performance		30/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed	: 6. : 14 ue : 24 e : 24	17/58.5 A 3 48 ft.lb 40 % 40 % 775 rpm	Moment c Duty cycle Insulation Service fa Temperat Design	class actor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
		· · - · P- · · ·					
Heating constant							
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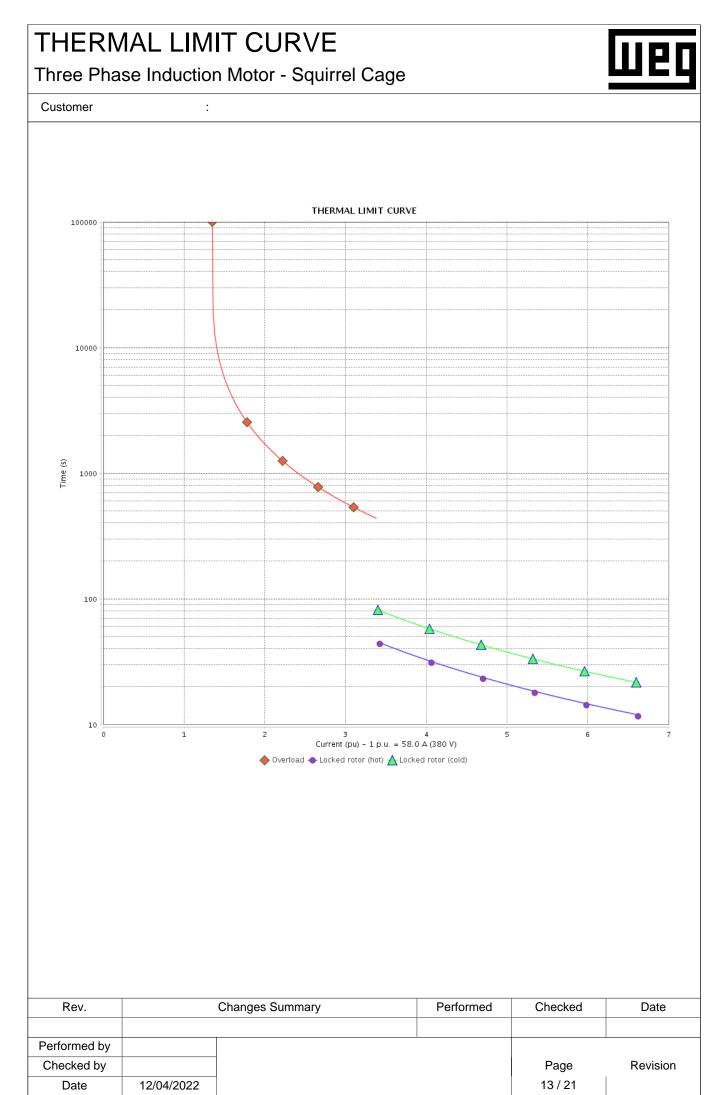
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Customer

Product line	: \	W40 JP Pump NEMA Prem	ium	Product code :	14367673			
	E	Efficiency Three-Phase		Catalog # :		05018OT3E326JP-W40		
Performance	: 38	30 V 50 Hz 4P IE3						
Rated current		3.0 A	Moment o	f inertia (J)	: 7.08 sq.ft.lb			
LRC Rated torque	: 6. · 14	6 42 ft.lb	Duty cycle Insulation	class	: Cont.(S1) : F			
Locked rotor torqu		20 %	Service fa	ictor	: 1.00			
Breakdown torque	e : 24	40 %	Temperat	ure rise	: 80 K			
Rated speed	: 14	475 rpm	Design		: B			
Heating constant								
Cooling constant		-		· · · · ·				
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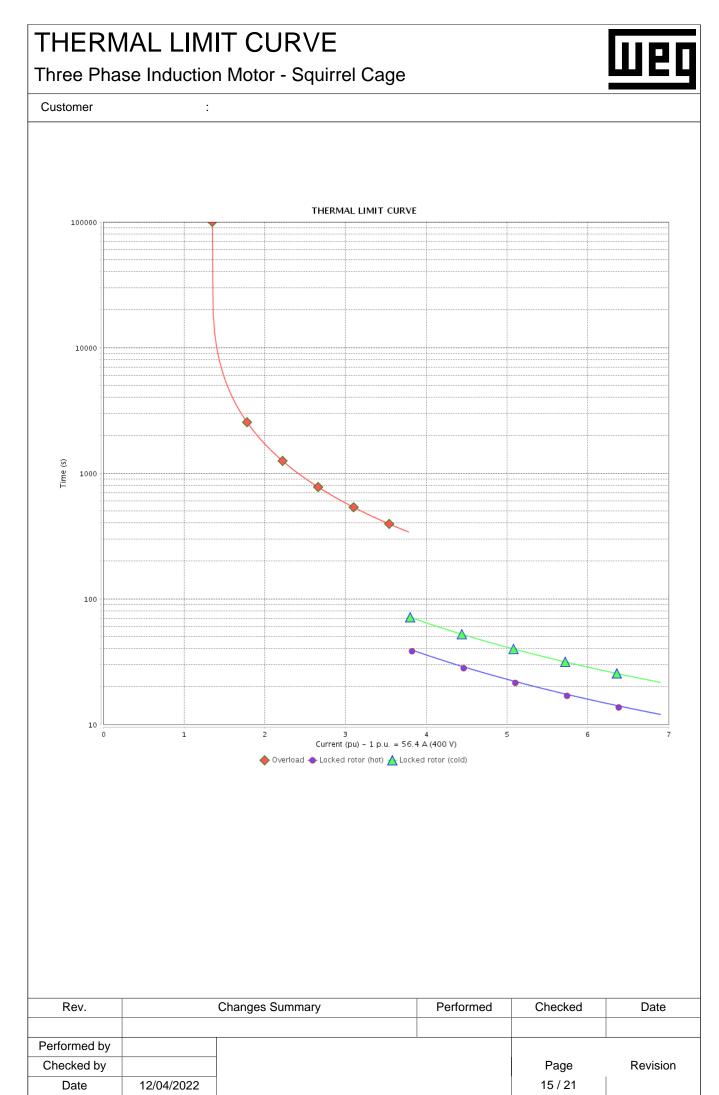
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14367673		
				Catalog # :	05018OT3E3	26JP-W40	
Performance	• 4	00 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor torc Breakdown torqu	: 5 : 6 : 1 jue : 2 ie : 2	6.4 A .9 42 ft.lb 50 % 70 %	Duty cycle Insulation Service fa Temperate	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Rated speed		475 rpm	Design		. U		
Heating constant							
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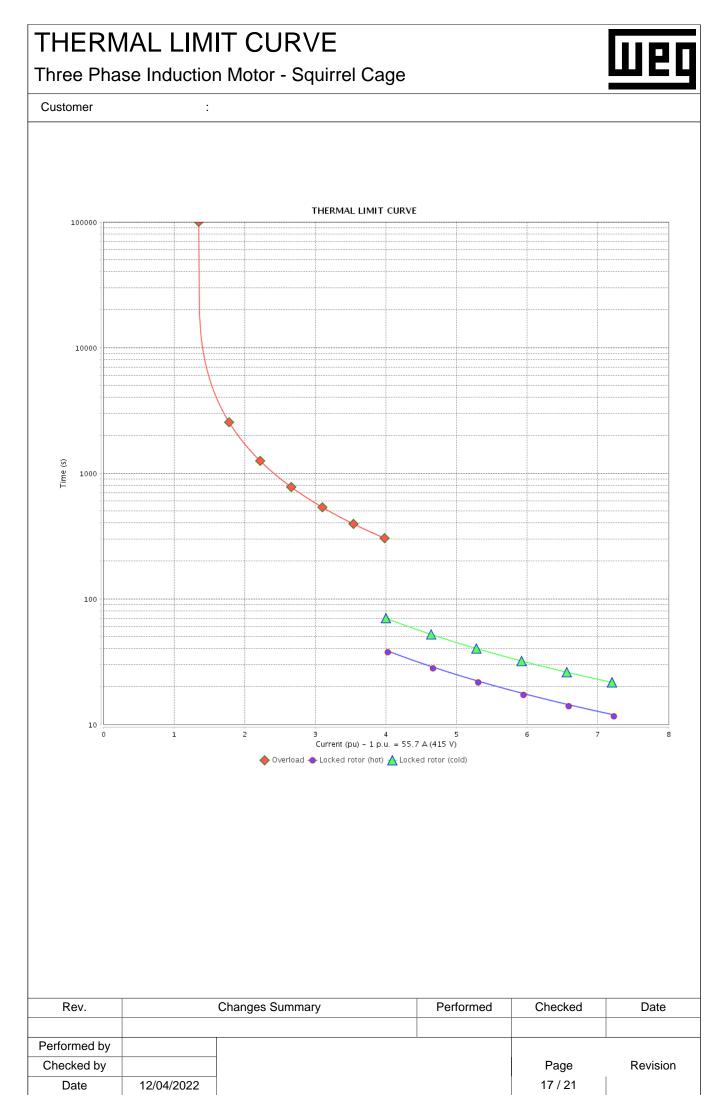
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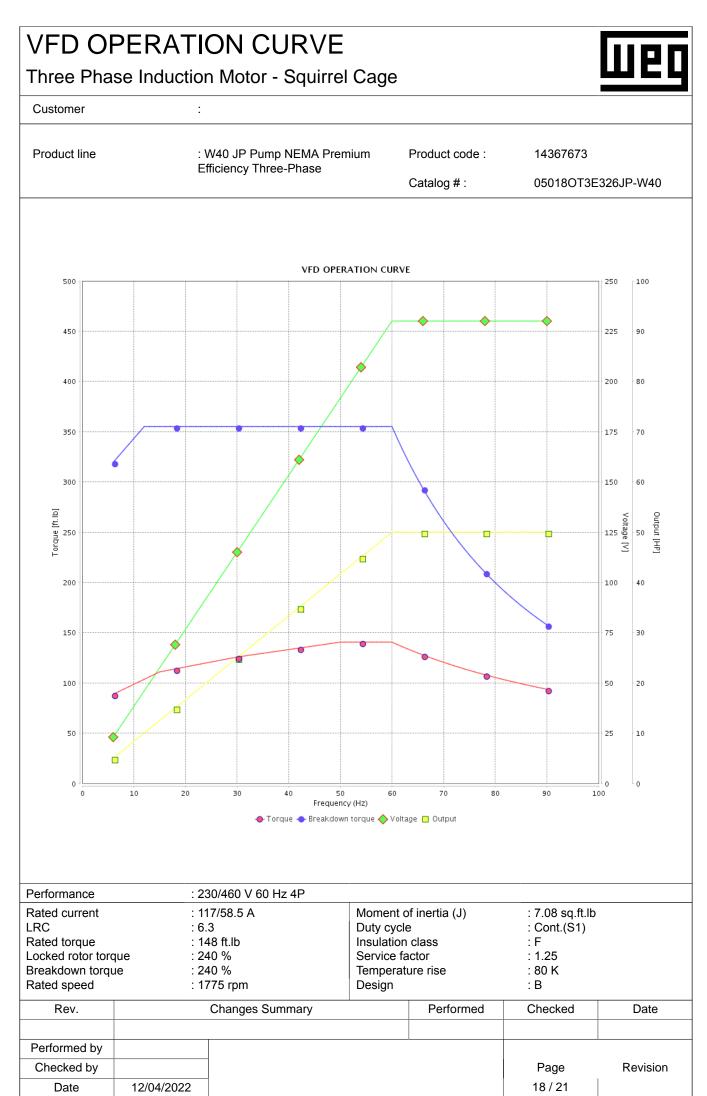


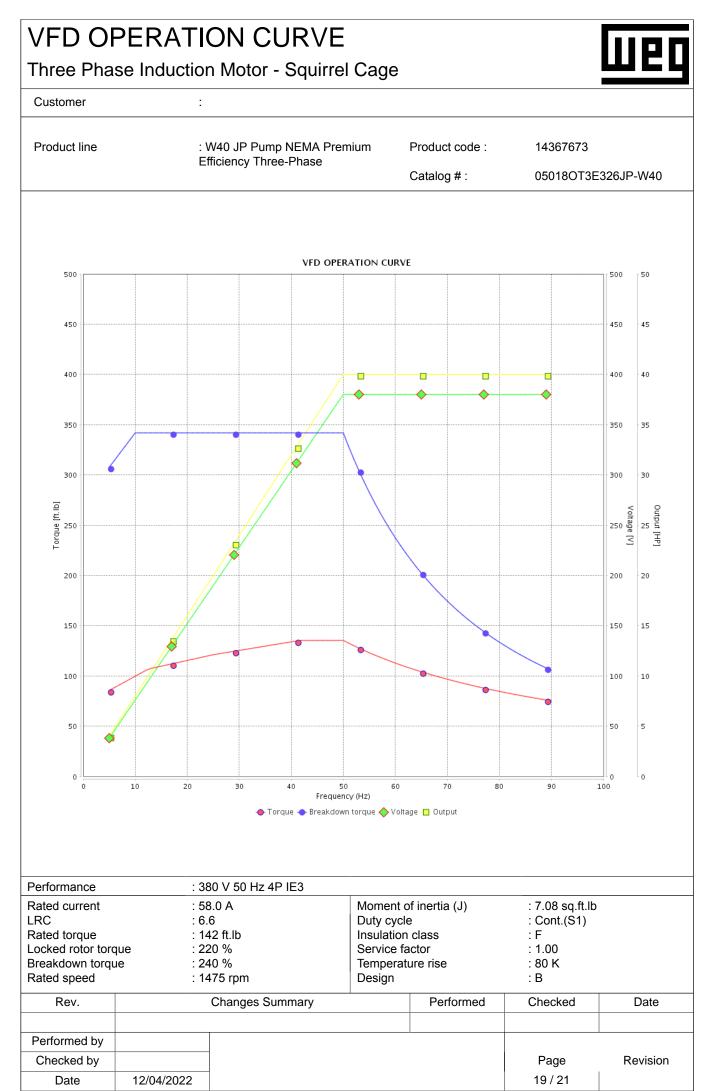
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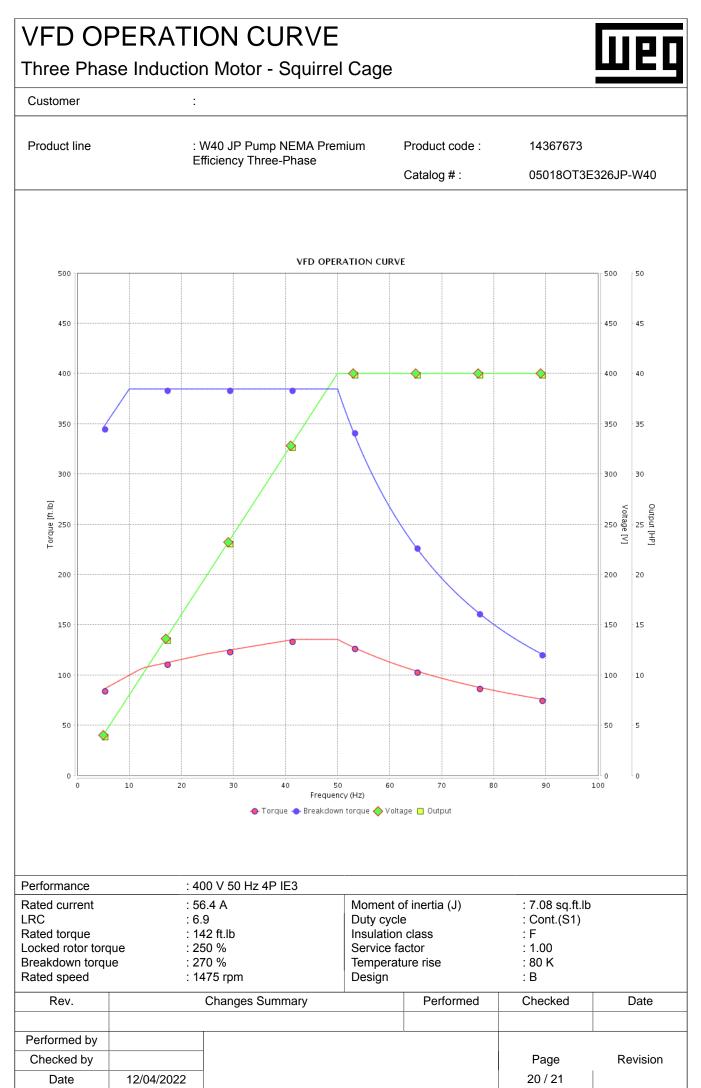
Product line :		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14367673	14367673 05018OT3E326JP-W40	
				Catalog # .	05016013E3	2017-1140	
Performance		5 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor torque	: 7.: : 14 : 27	2 ft.lb 70 %	Duty cycle Insulation Service fa	class actor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00		
Breakdown torque Rated speed		00 % I80 rpm	Temperat Design	ure rise	: 80 K : B		
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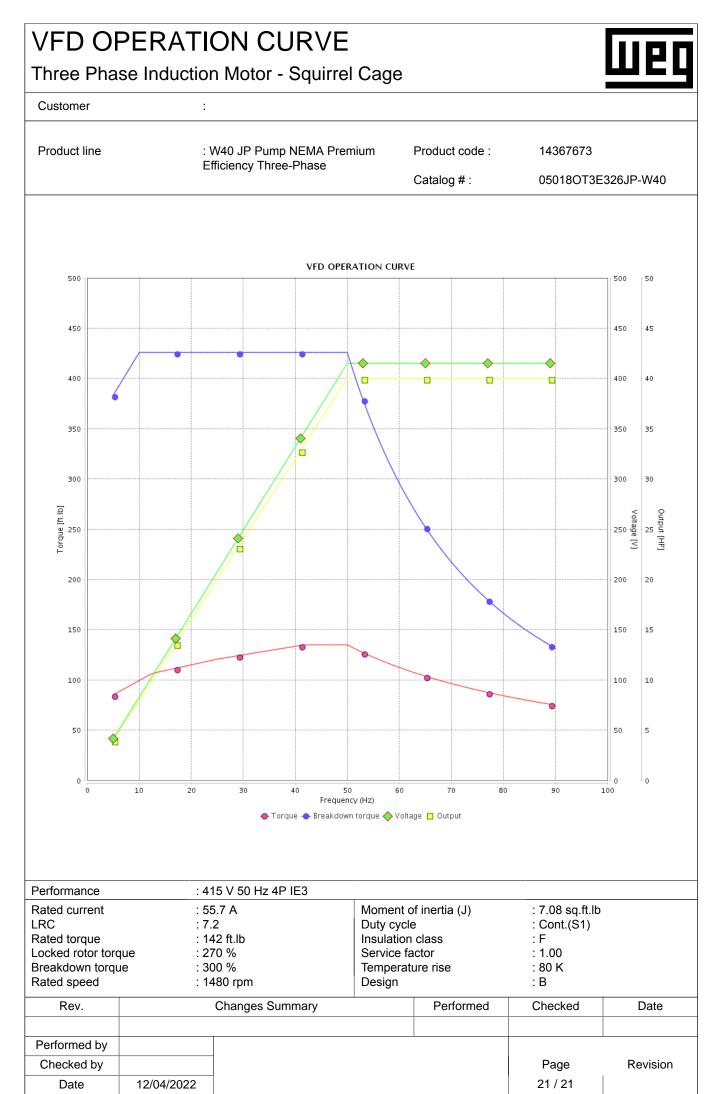
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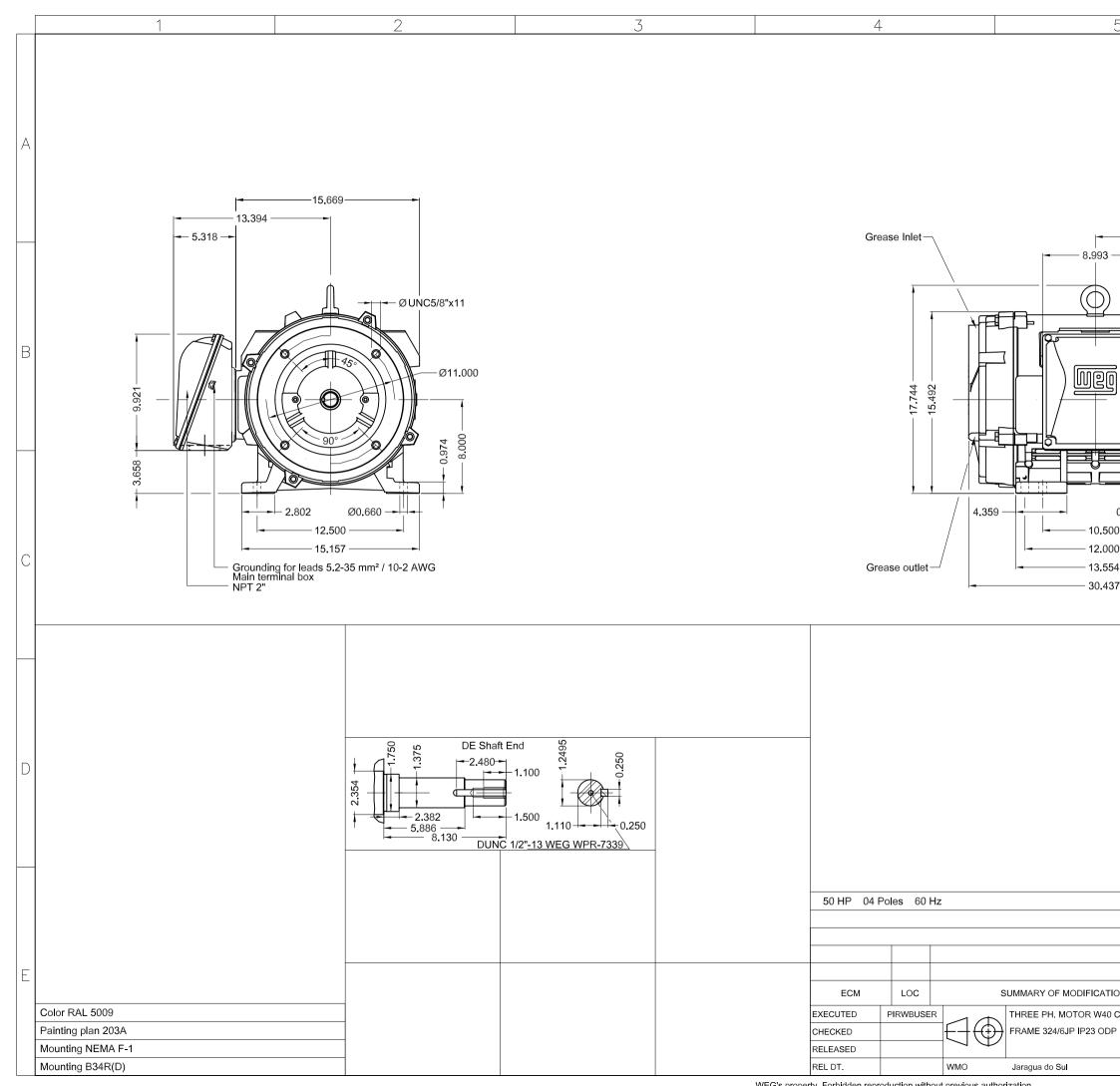












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