# DATA SHEET

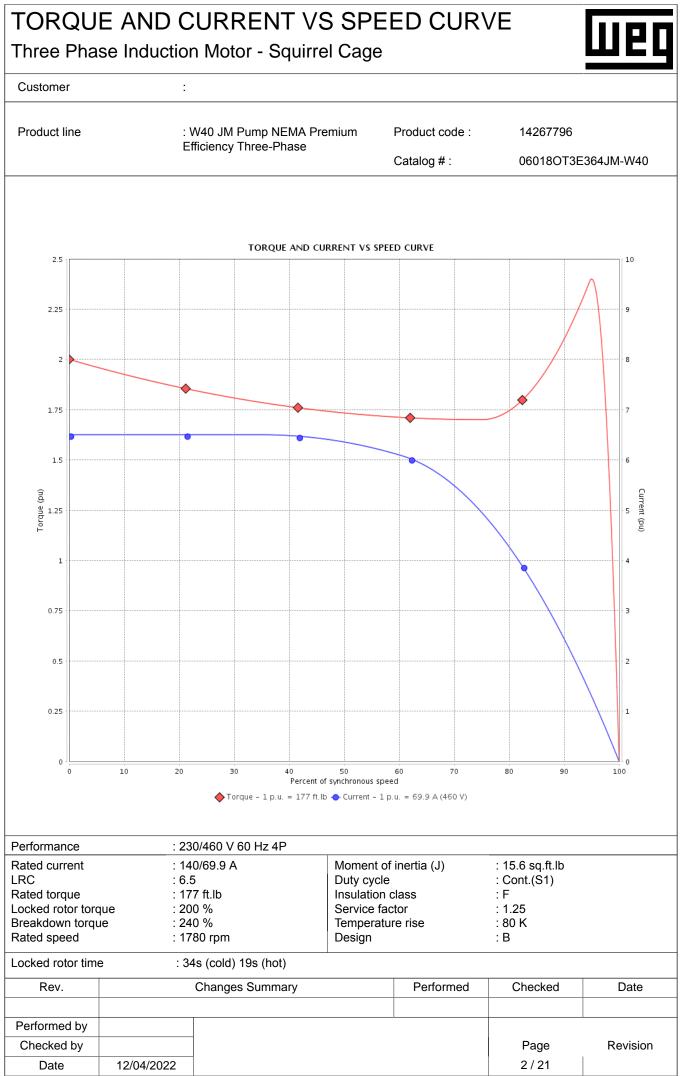
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		um Pro	n Product code :		14267796	
		Elliciency Three-Phas	e	Ca	italog # :	06018OT	3E364JM-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 364/5JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 767 lb : 15.6 sq.ft.lb		
U U				50	F	0	E0	
Output [HP] Poles		60 4		50 4	5		50 4	
Frequency [Hz]		60		50	5	-	50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		140/69.9		69.6	66		65.3	
L. R. Amperes [A]		909/454		473	48		457	
LRC [A]		6.5x(Code G)	6.8	Bx(Code G)	7.2x(C		7.0x(Code H)	
No load current [A	1	49.4/24.7	0.0	24.4	26		27.7	
Rated speed [RPN		1780		1480		80	1485	
Slip [%]	.1	1.11		1.33		33	1.00	
Rated torque [ft.lb]	1	177		177	17		177	
Locked rotor torqu		200		200	22		240	
Breakdown torque		240		229	25		270	
Service factor	[,,]	1.25		1.00		00	1.00	
Temperature rise			80 K 80 K		80		80 K	
Locked rotor time		34s (cold) 19s (hot)	32s (cold) 18s (h				28s (cold) 16s (hot)	
Noise level <sup>2</sup>		69.0 dB(A)	020 (0					
	25%	94.4		93.4	93	3.4	93.4	
	50%	94.5	93.5		93		93.5	
Efficiency (%)	75%	95.0	93.9		93		93.9	
	100%	95.0		93.9	93		93.9	
	25%	0.48		0.49	0.4		0.42	
	50%	0.40		0.49	0.		0.68	
Power Factor	75%	0.82		0.83	0.8		0.79	
	100%	0.85		0.86	0.0		0.84	
Bearing type		<u>Drive end</u> <u>Non dr</u> : 6314 C3 621	Drive end Non drive end Foundation loads		loads on	: 1252 lb : 2019 lb		
Sealing Lubrication interv Lubricant amoun		Bearing Seal Bear : 20000 h 20	ing Seal 000 h I3 g	g Seal 00 h				
Lubricant type	-	: Mobil Polyrex E						
Notes USABLE @208V	155A SF 1.1	5 SFA 178A		1				
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	ncel the previous one, when shaft end. I shaft end. I olerance of +3dB(A). I to changes after	nich				with sinusoidal ipulated in NEMA	
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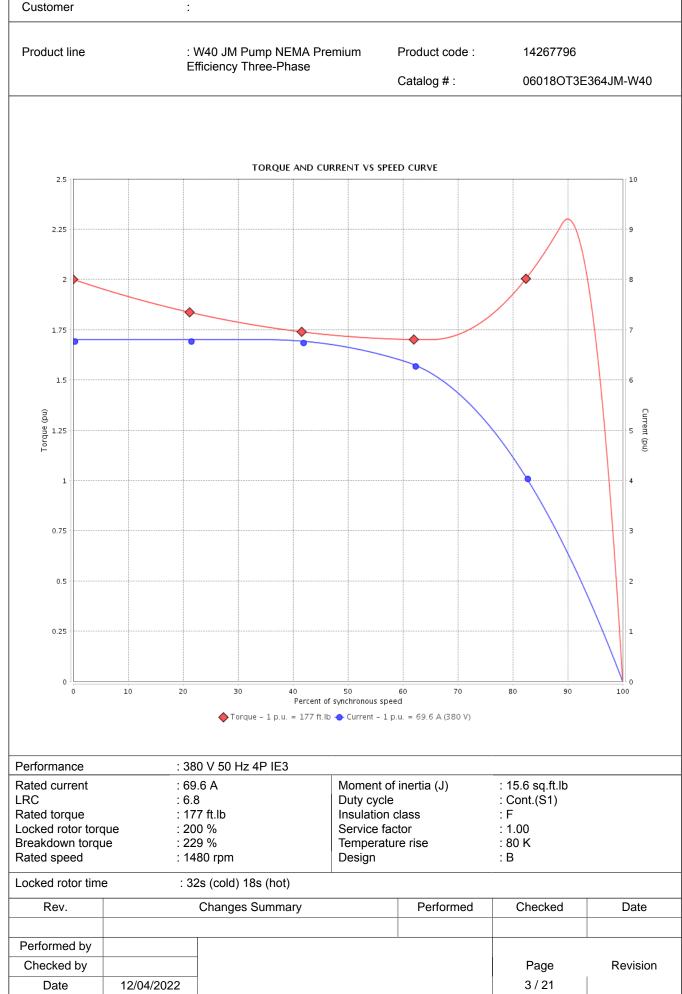


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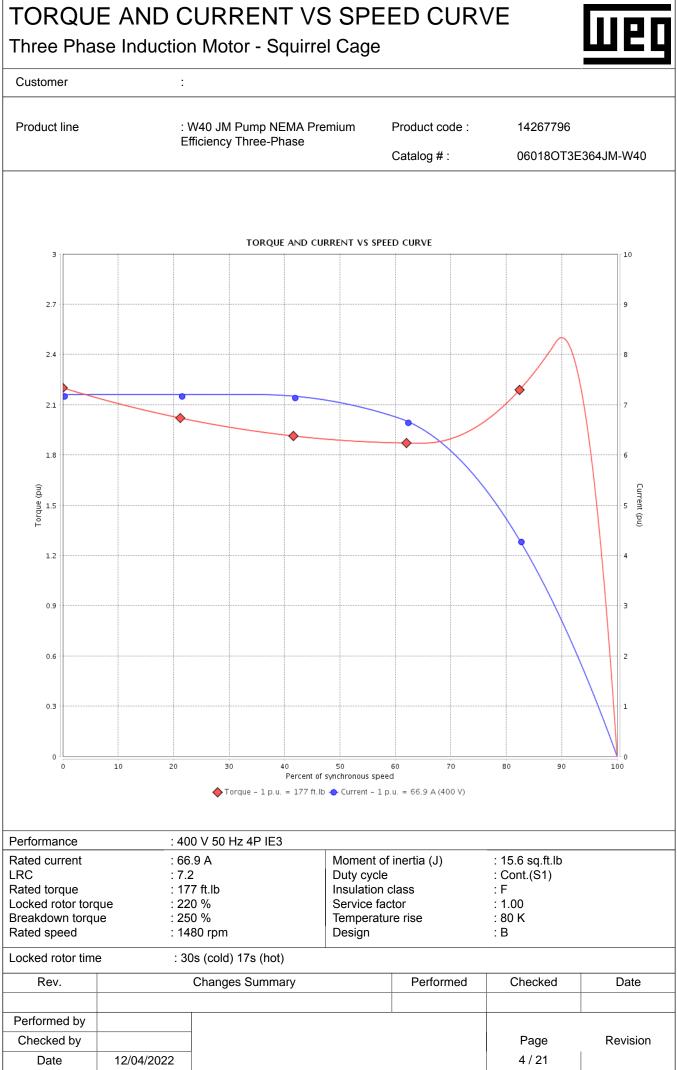
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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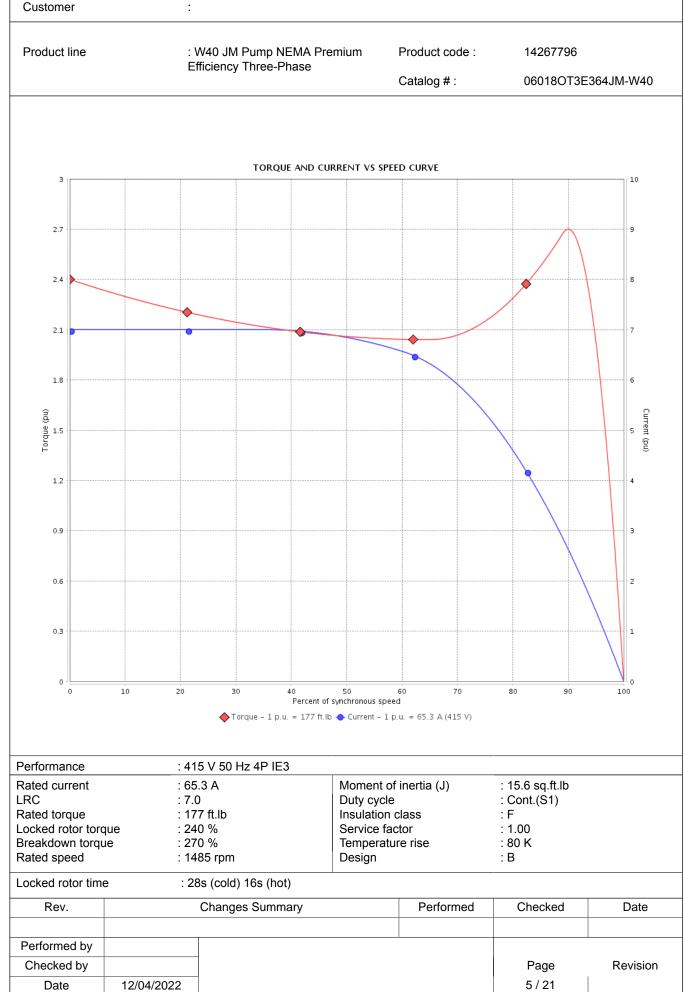


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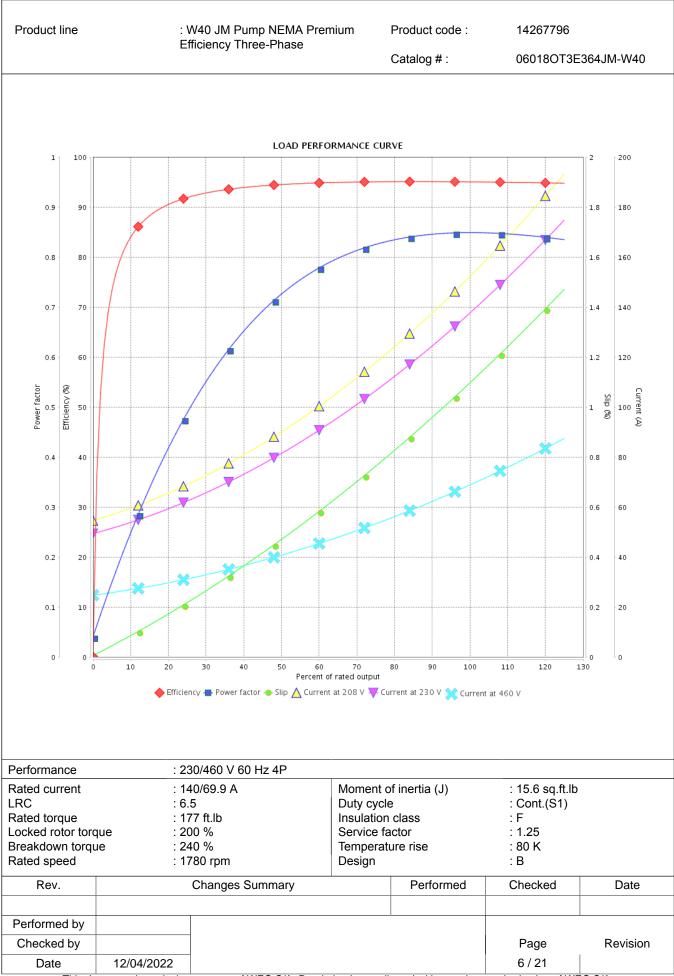
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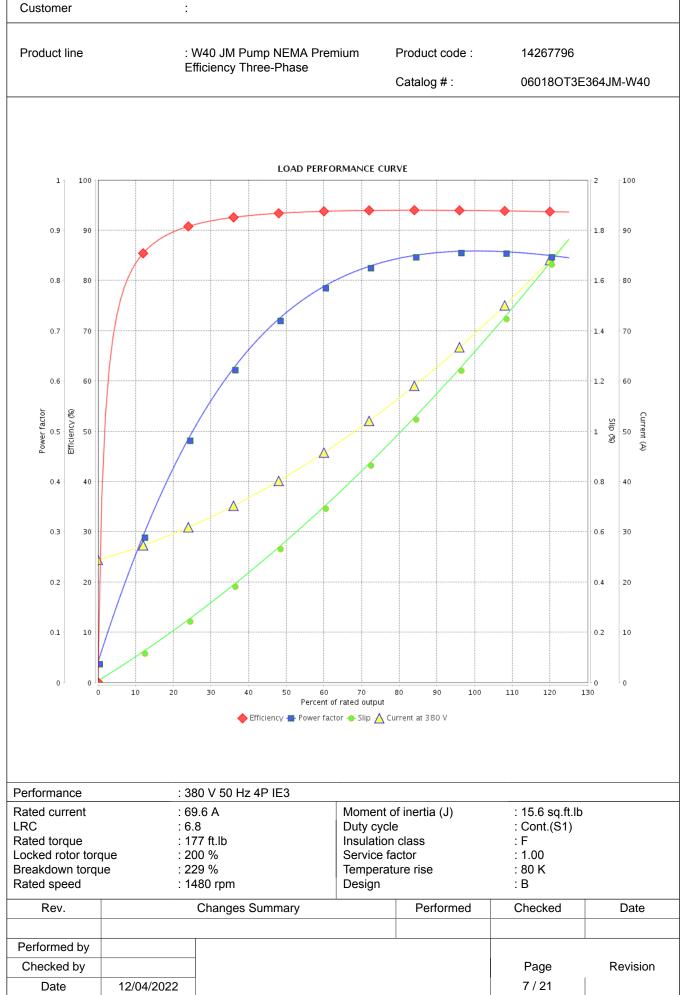


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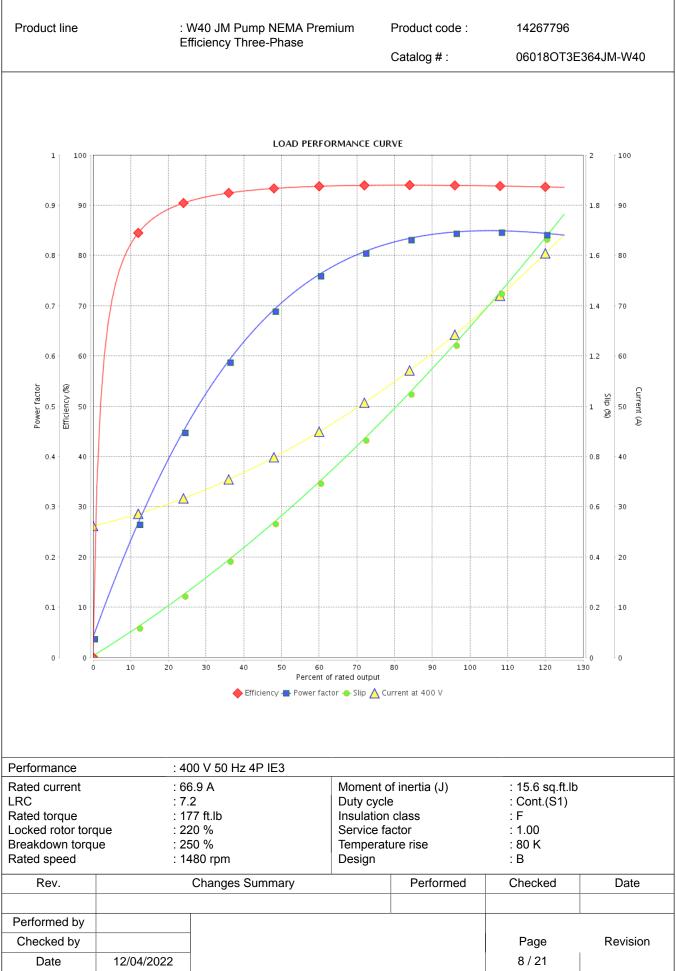
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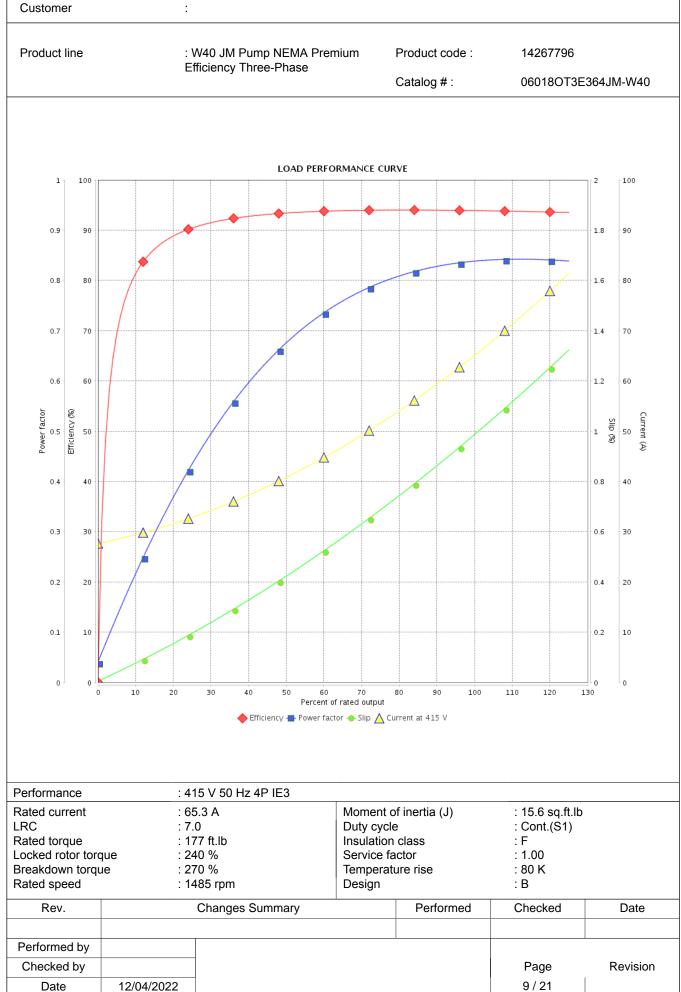
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## THERMAL LIMIT CURVE

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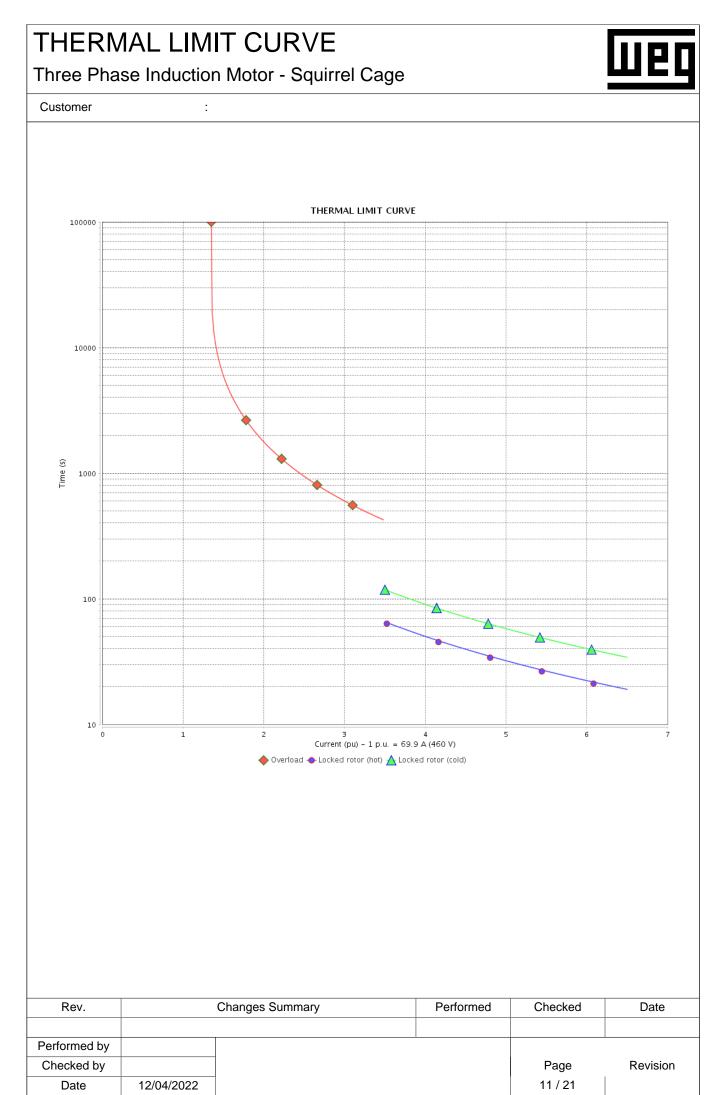
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Customer

Product line	: W40 JM Pump NEMA Premi Efficiency Three-Phase	um Product code : Catalog # :	14267796 06018OT3E3	364 IM-W40
	. 220/422 \/ 22 \/ 42			
Performance	: 230/460 V 60 Hz 4P			
Rated current LRC	: 140/69.9 A : 6.5	Moment of inertia (J) Duty cycle	: 15.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 177 ft.lb	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.25	
Breakdown torque		Temperature rise	: 80 K	
Rated speed	: 1780 rpm	Design	: B	
Heating constant				
Cooling constant		1		
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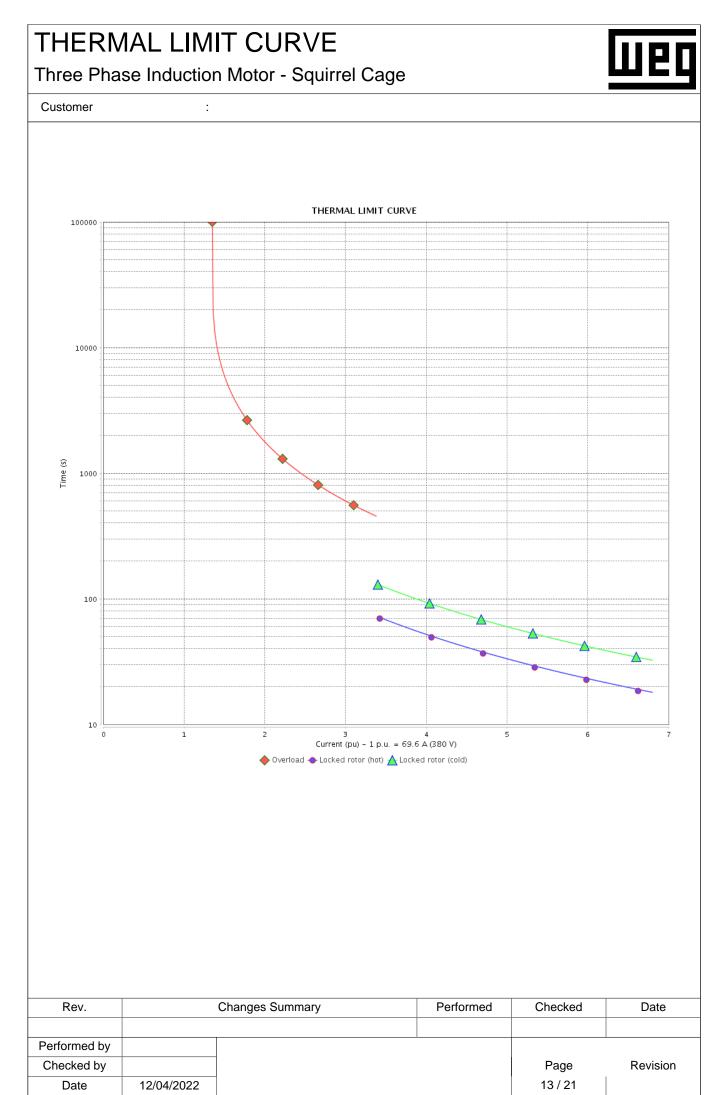


Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14267796 06018OT3E364JM-W40		
				Catalog # :	06018013E3	364JIVI-VV40	
Derfermence							
Performance Rated current		80 V 50 Hz 4P IE3 9.6 A	Momente	f inertia (J)	: 15.6 sq.ft.lb		
LRC	: 6		Duty cycle		: Cont.(S1)		
Rated torque		77 ft.lb	Insulation	class	: F		
Locked rotor toro		00 %	Service fa		: 1.00		
Breakdown torqu Rated speed		29 % 480 rpm	Temperatu Design	ire rise	: 80 K : B		
Heating constan			Design		. ບ		
Cooling constant							
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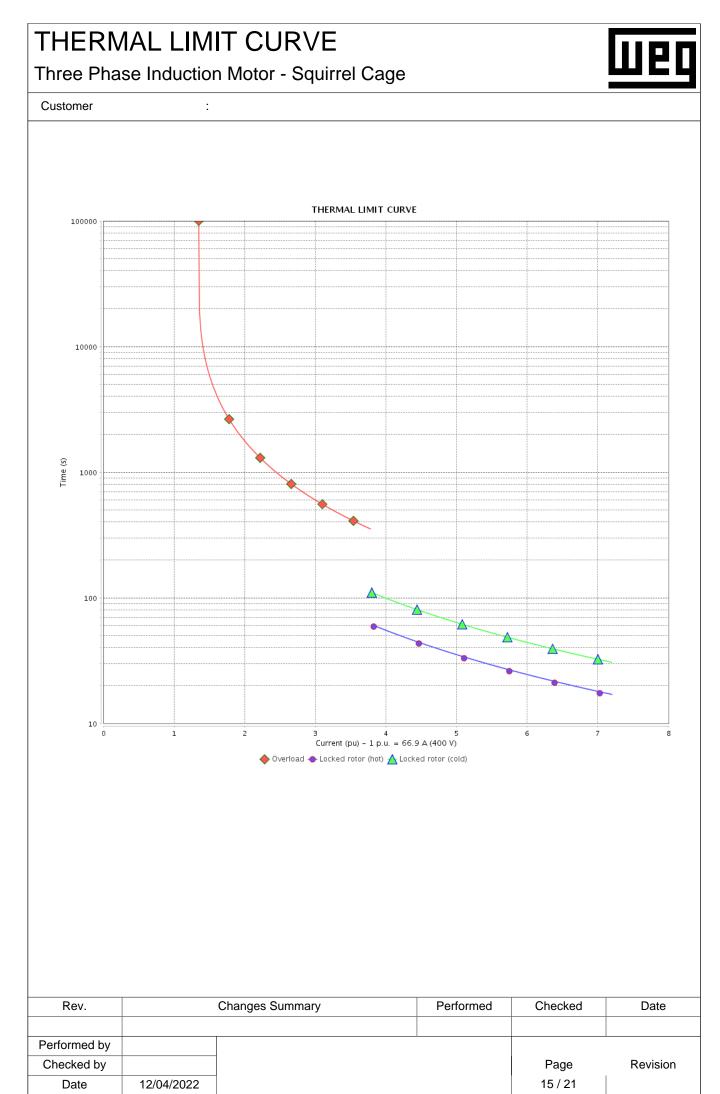
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Customer

Product line	E	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14267796 06018OT3E3	64JM-W40
Performance	: 4	00 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 1 jue : 2 ie : 2	6.9 A .2 77 ft.lb 20 % 50 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant			-			
Cooling constant						
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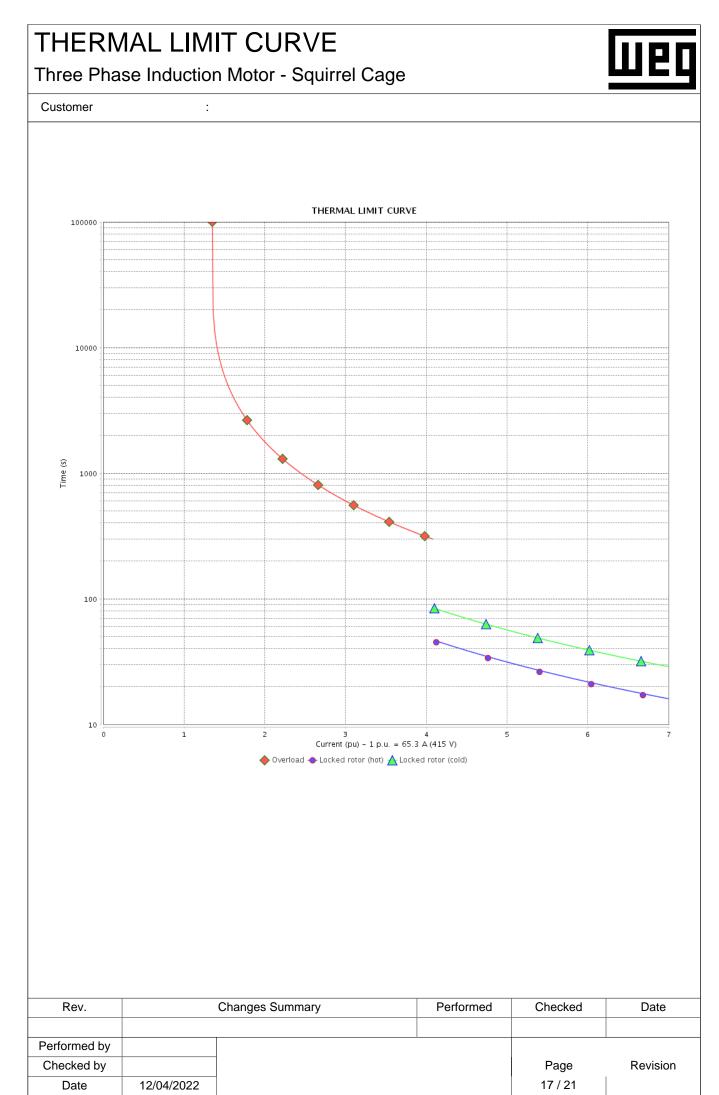


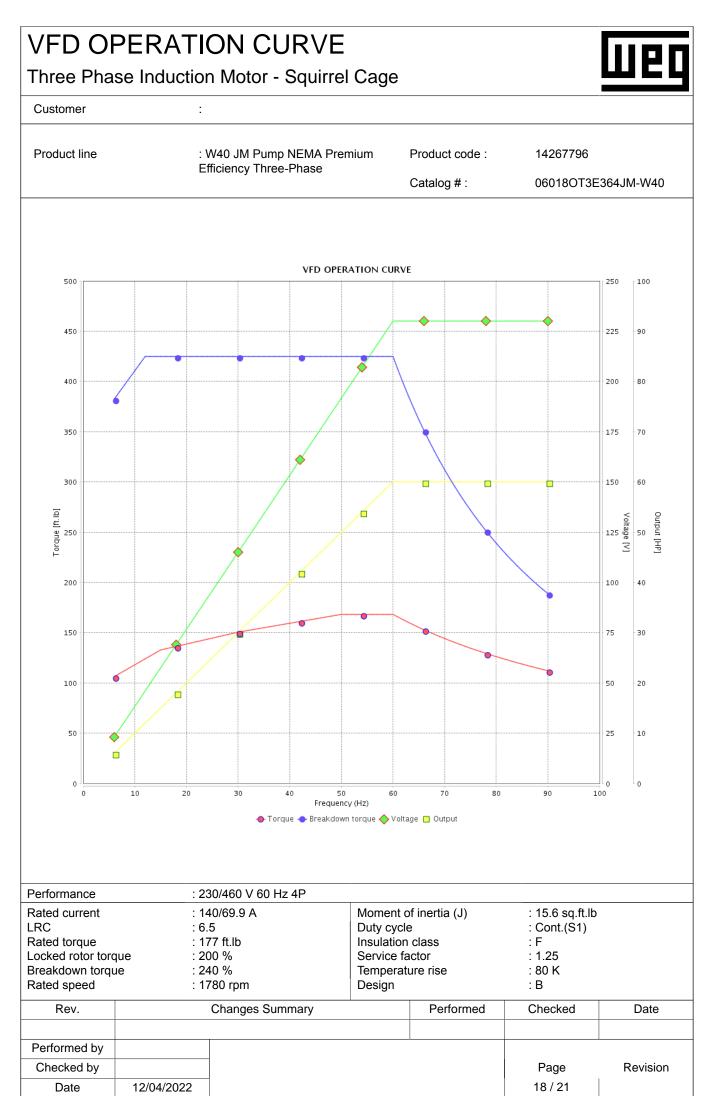
Customer

Product line	: \ E	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14267796 06018OT3E3	364JM-W40
				0		
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current		5.3 A		f inertia (J)	: 15.6 sq.ft.lb	
LRC Rated torque	: 7. : 1	77 ft.lb	Duty cycle Insulation	; class	: Cont.(S1) : F	
Locked rotor tore	que : 24	40 %	Service fa	ctor	: 1.00	
Breakdown torqu		70 %	Temperatu	ure rise	: 80 K : B	
Rated speed		485 rpm	Design		. D	
Heating constan						
Cooling constant	t	Changes Summer		Dorformer	Charles	Data
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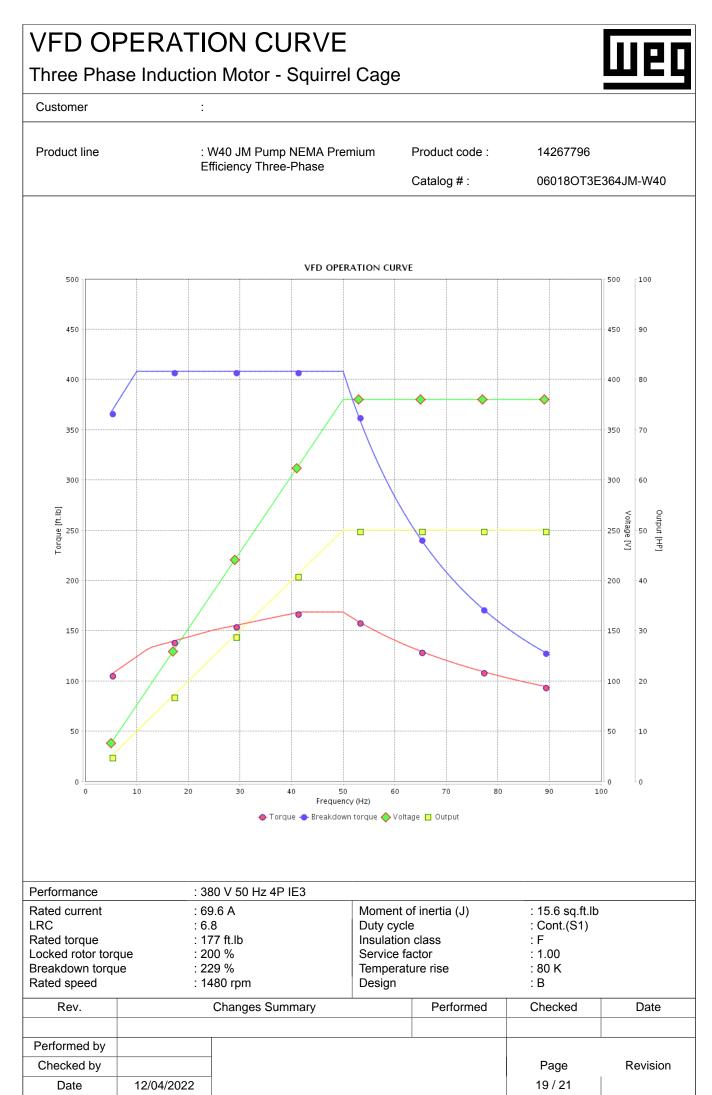
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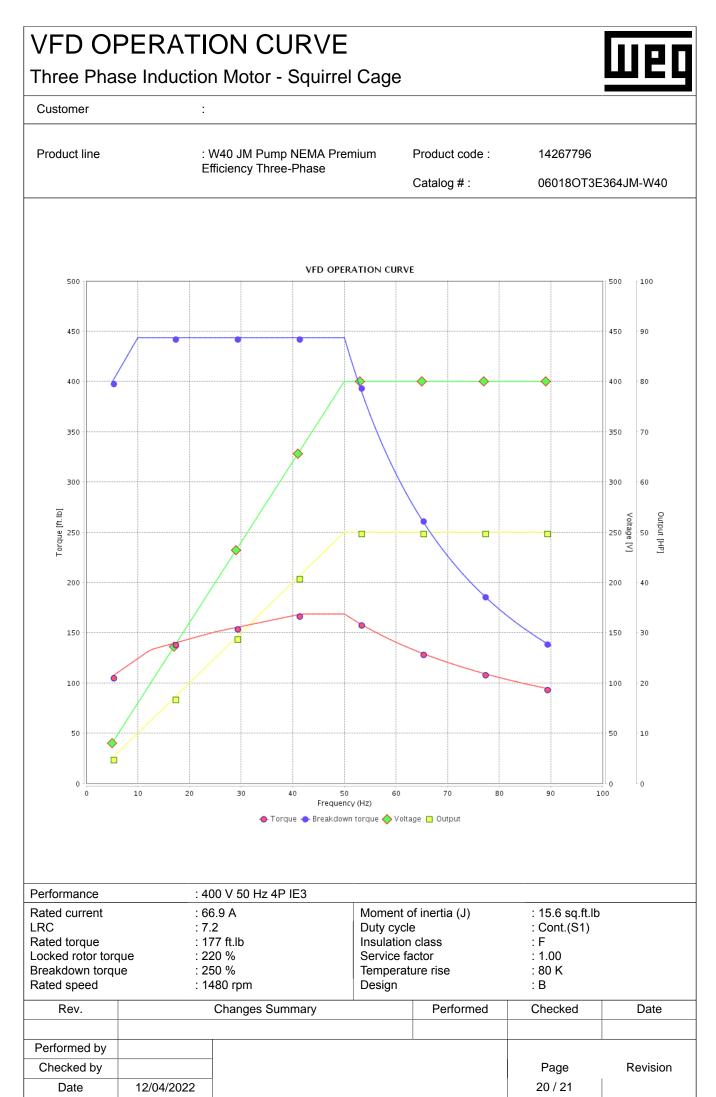




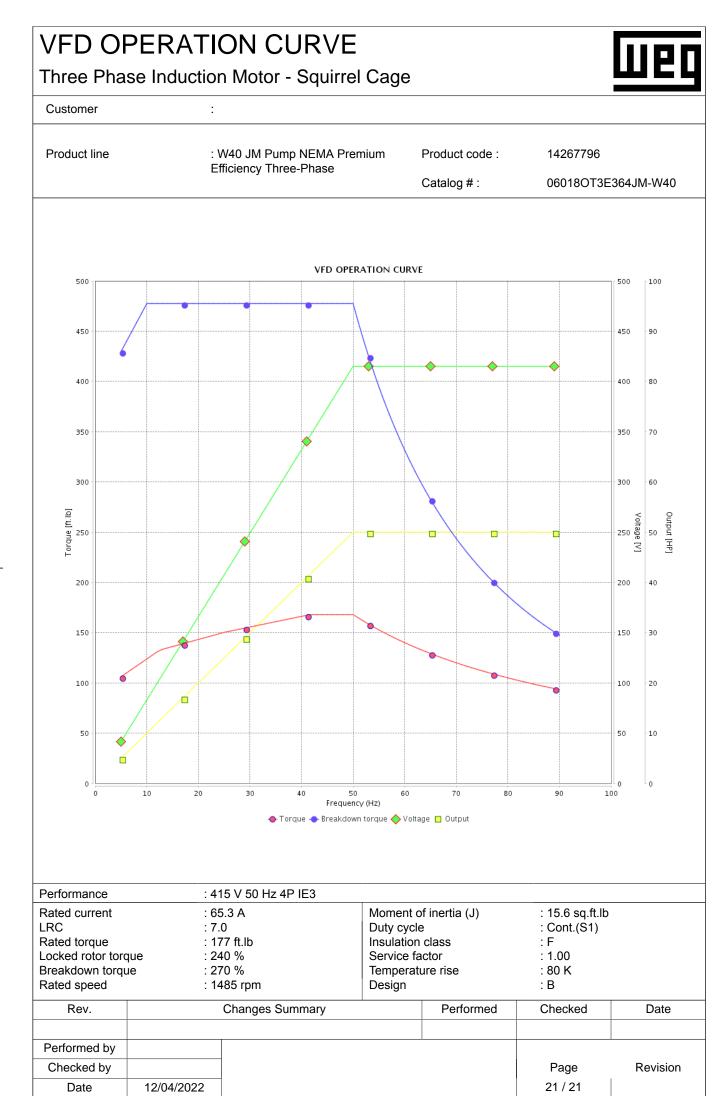
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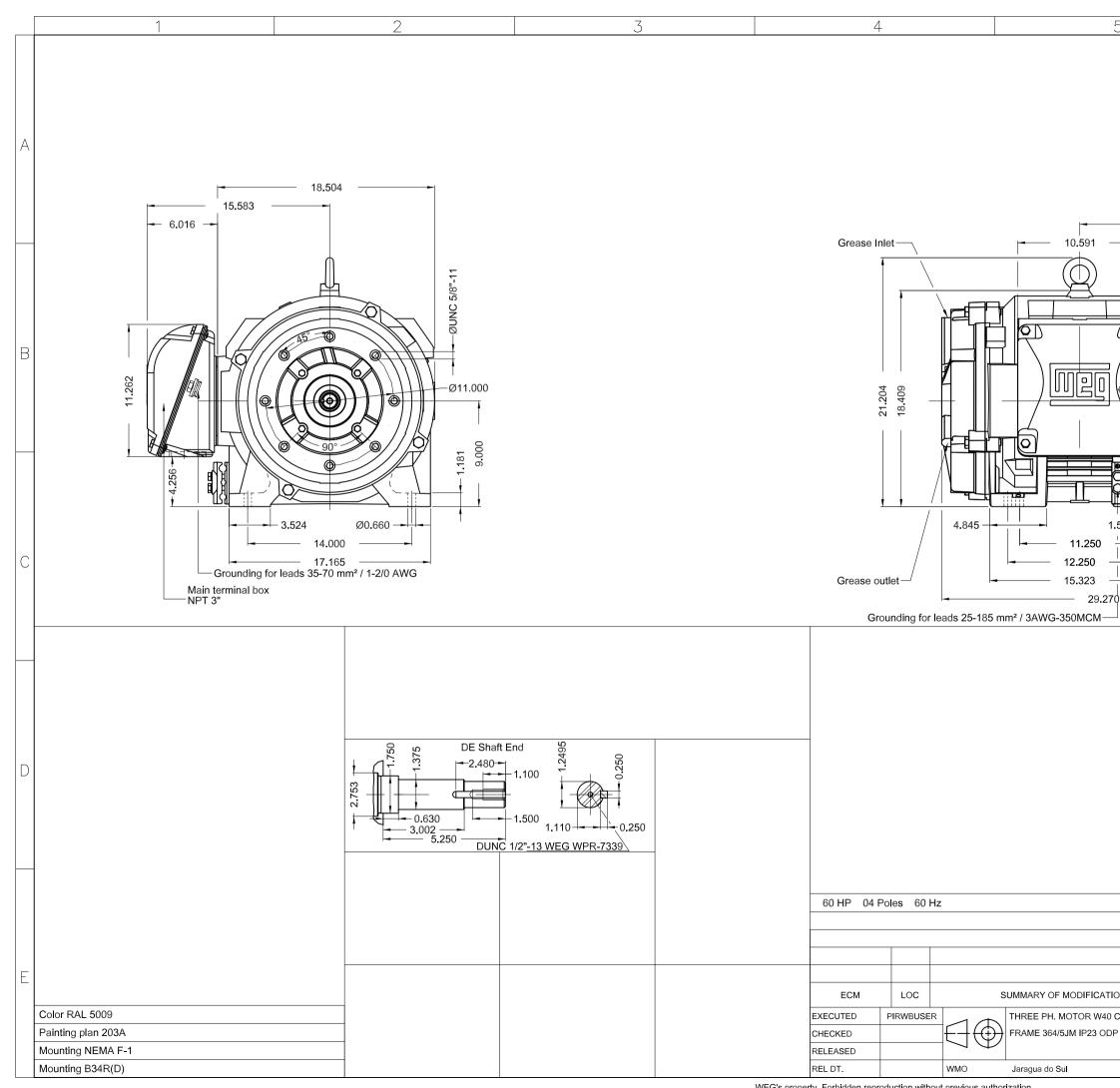
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