# DATA SHEET

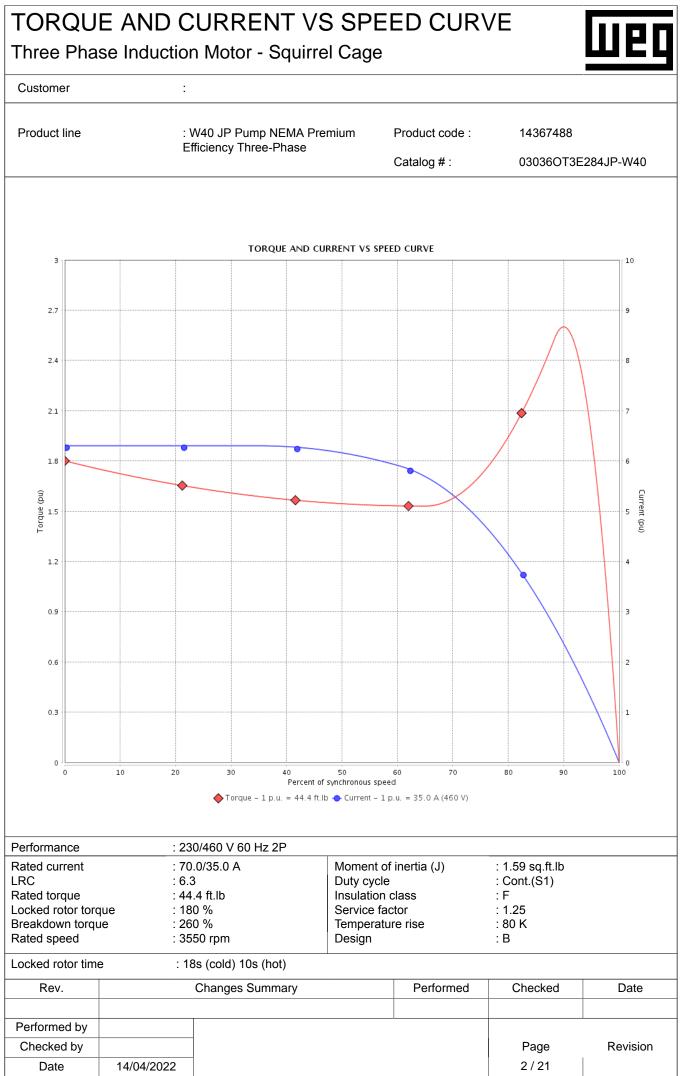
Three Phase Induction Motor - Squirrel Cage

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#### Customer

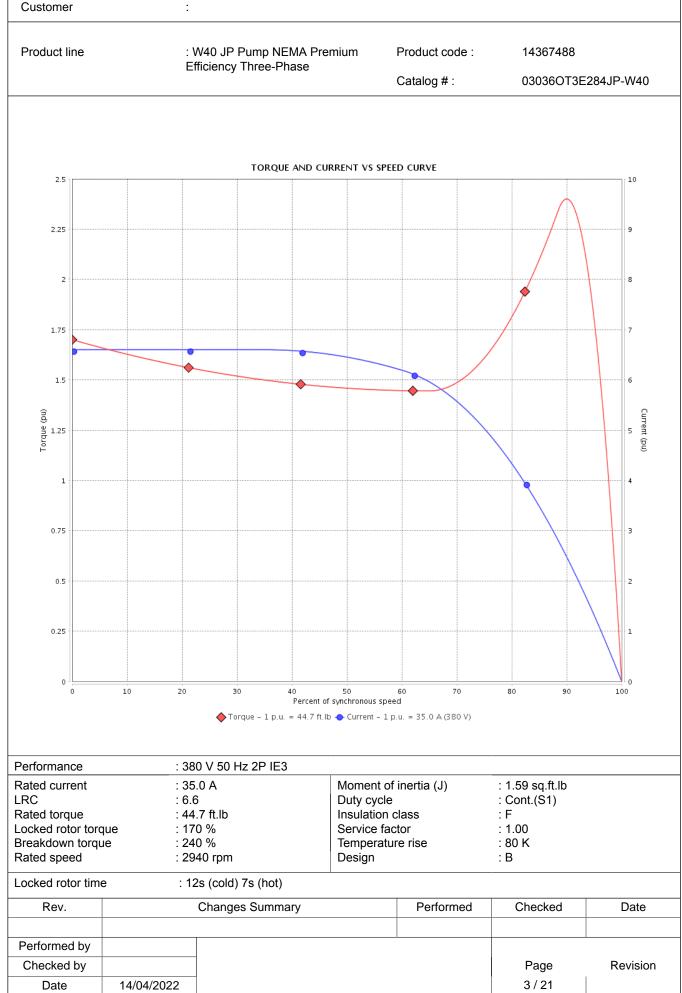
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Pro	n Product code :		14367488	
				Cat	alog # :	0303601	[3E284JP-W40	
Frame		: 284JP		Cooling me	thod	: IC01 - 0	DDP	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>		: Both (CW and CCW)		
Ambient tempera	ient temperature : -20°C to +40°C		Starting method		: Direct On Line			
Altitude		: 1000 m.a.s.l.		Approx. we	ight <sup>3</sup>	: 323 lb		
Protection degre	e	: IP23		Moment of	inertia (J)	: 1.59 sq	.ft.lb	
Design		: B						
Dutput [HP]		30		25	25		25	
oles		2		2	2		2	
requency [Hz]		60		50	50		50	
ated voltage [V]		230/460		380	400		415	
ated current [A]		70.0/35.0		35.0	34.0		33.6	
. R. Amperes [A]		441/221		231	238		225	
RC [A]		6.3x(Code G)	6.6	6x(Code G)	7.0x(Co		6.7x(Code H)	
lo load current [A		25.8/12.9		11.0	13.0		14.0	
ated speed [RPI	/I]	3550		2940	295	0	2955	
lip [%]		1.39		2.00	1.6	7	1.50	
Rated torque [ft.lb	]	44.4		44.7	44.		44.4	
ocked rotor torqu		180		170	190		200	
reakdown torque		260		240	260		270	
ervice factor	. [,,]	1.25		1.00	1.0		1.00	
emperature rise		80 K		80 K	80		80 K	
ocked rotor time		18s (cold) 10s (hot)	100 (	cold) 7s (hot)			16s (cold) 9s (hot)	
loise level <sup>2</sup>		73.0 dB(A)	125 (				105 (000) 35 (100)	
ioise ievei-	050/			00.0	00.0	0	00.0	
	25%	90.0		88.0	88.2		88.3	
Efficiency (%)	50%	90.2		89.7	89.8		89.8	
	75%	91.7		90.7	90.8		90.8	
	100%	91.7	92.4		92.4		92.4	
	25%	0.47		0.51	0.4		0.42	
Power Factor	50%	0.73		0.75	0.70	0	0.66	
TOWER FACIOR	75%	0.82		0.83	0.8	0	0.77	
	100%	0.86		0.87	0.8	5	0.83	
Bearing type			<u>ive end</u> 1 Z C3	Foundation				
Sealing				Max. compre	6221011			
Lubrication inter-	val		ing Seal					
Lubrication inter			000 h					
Lubricant amour	IL	: 18 g 11 g						
Lubricant type		: Mobil Polyrex E	=1VI					
Notes USABLE @208V	′ 77.4A SF 1.	15 SFA 89.0A						
This revision repl must be eliminate (1) Looking the m	ed.	ncel the previous one, wh	nich				s with sinusoidal tipulated in NEMA	
(2) Measured at	1m and with t weight subjec ocess.	olerance of +3dB(A). to changes after		MO-1.				
		Changes Summary			Performed	Checked	Date	
Rev.								
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Performed by				I		Page	Revision	
-	14/04/202			I		Page 1 / 21	Revision	



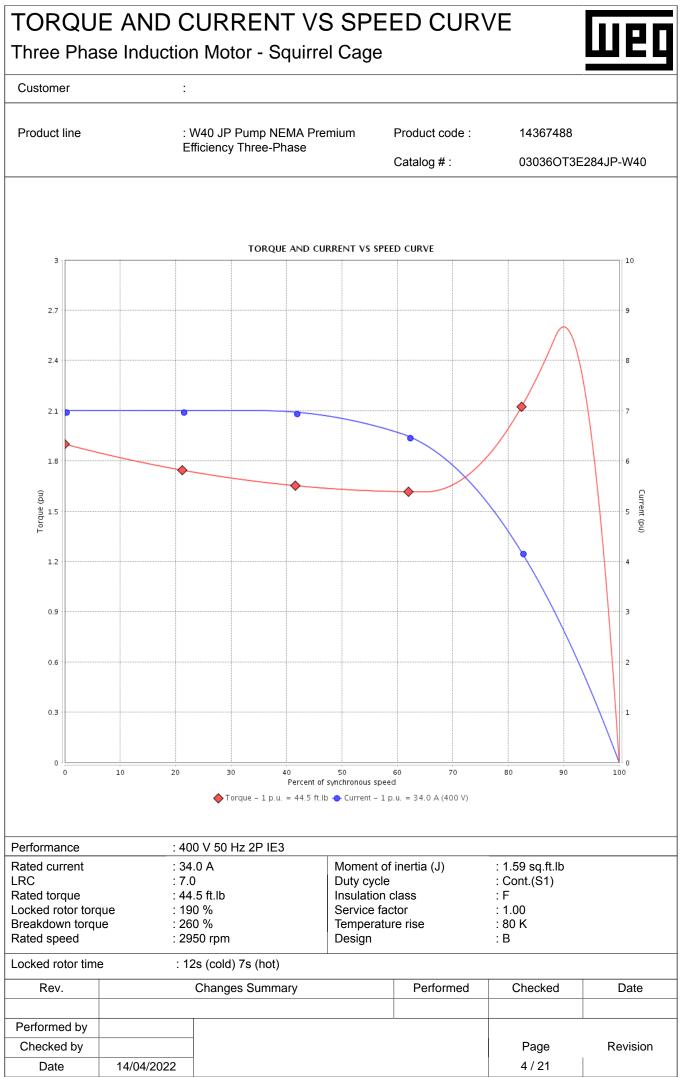
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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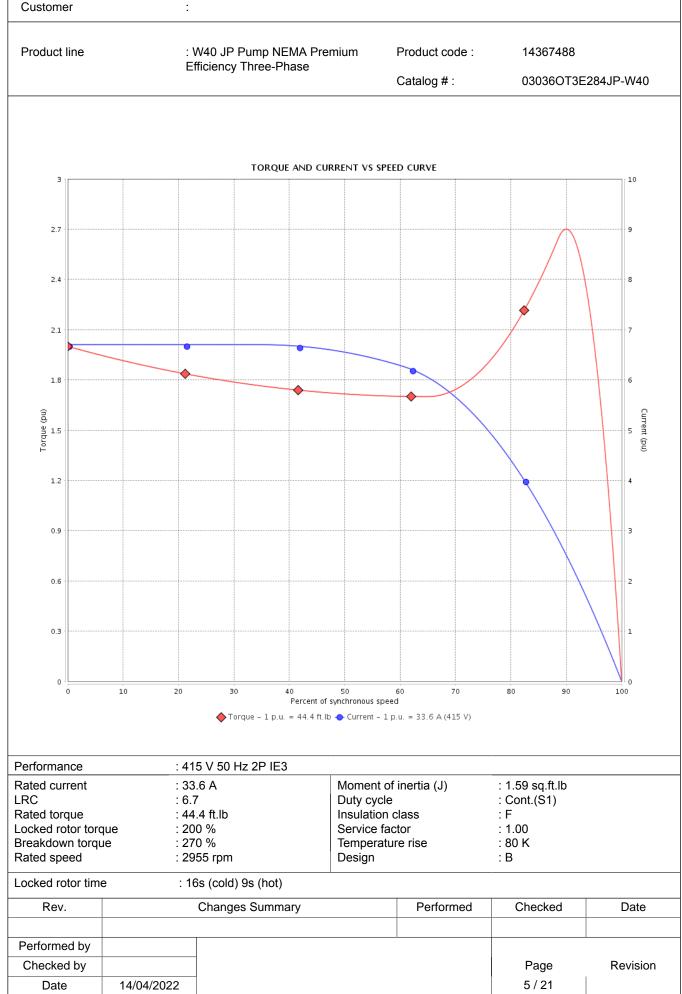
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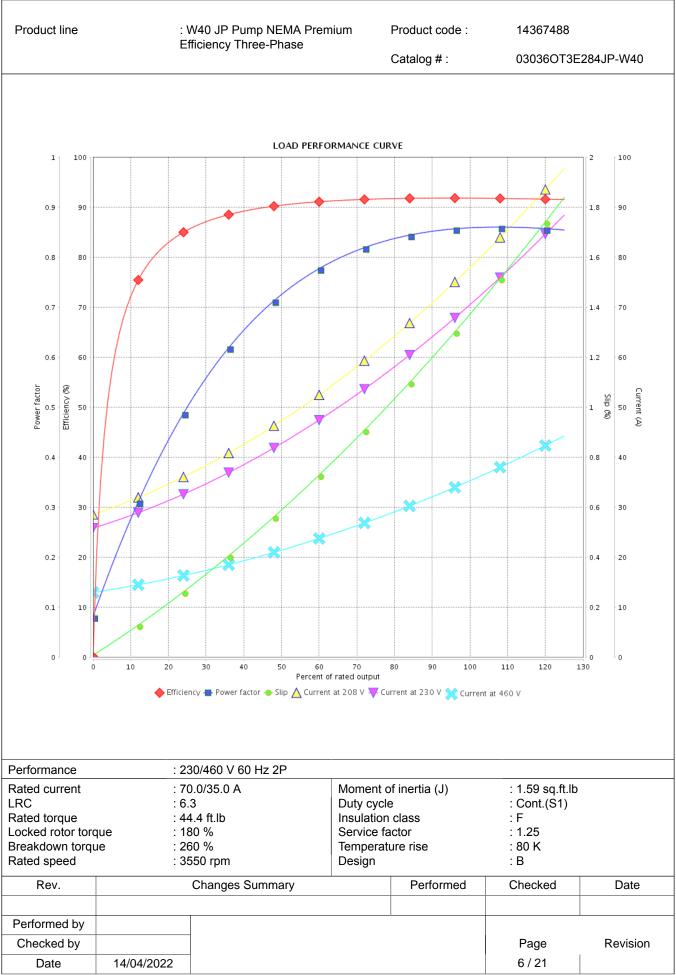
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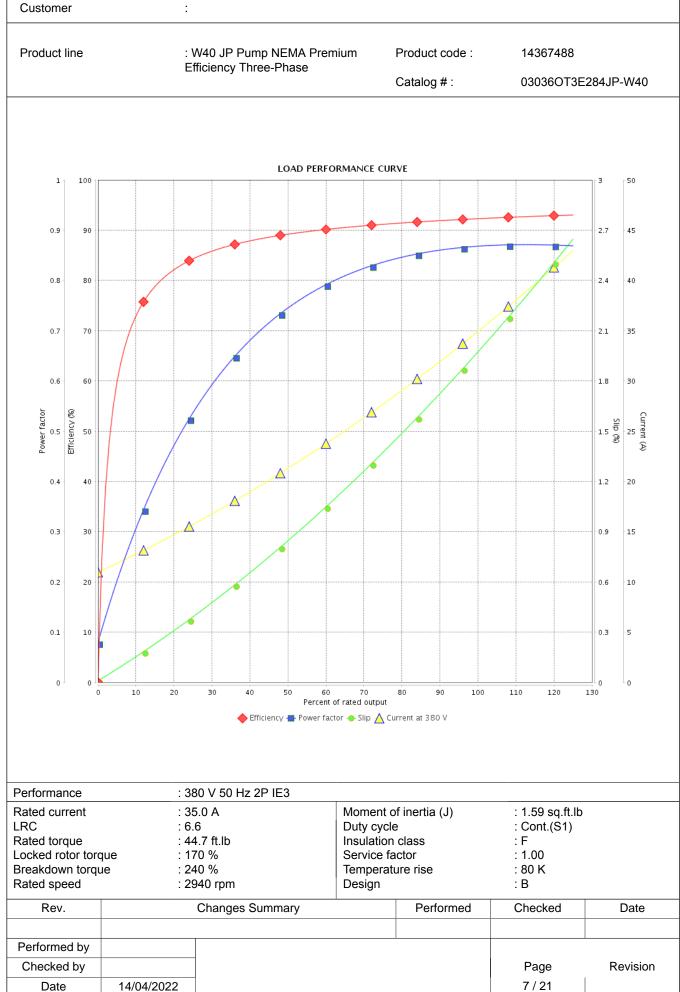


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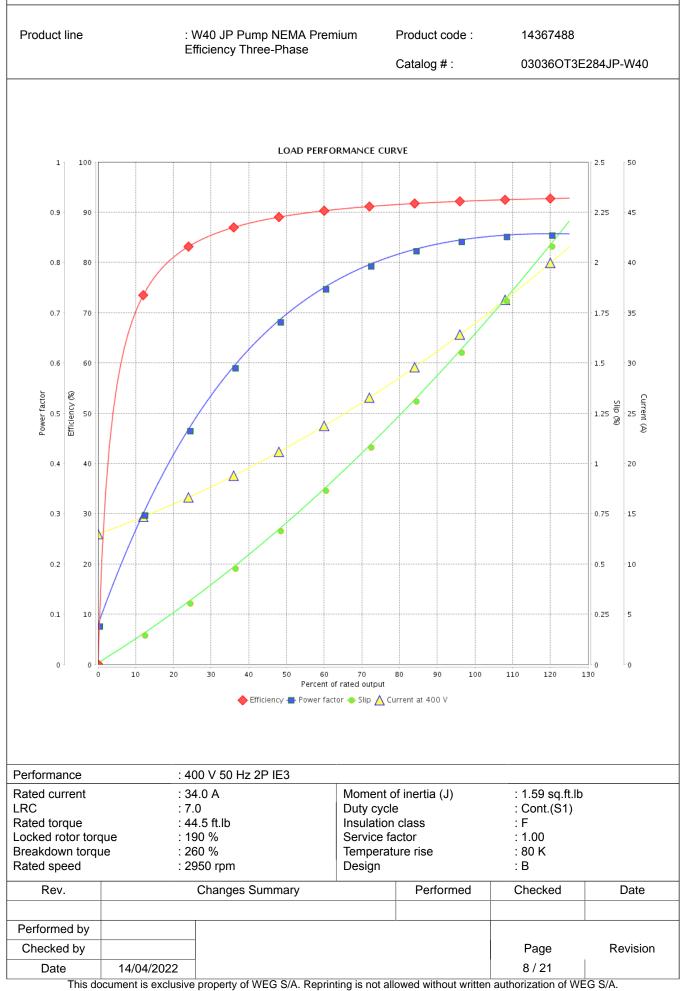
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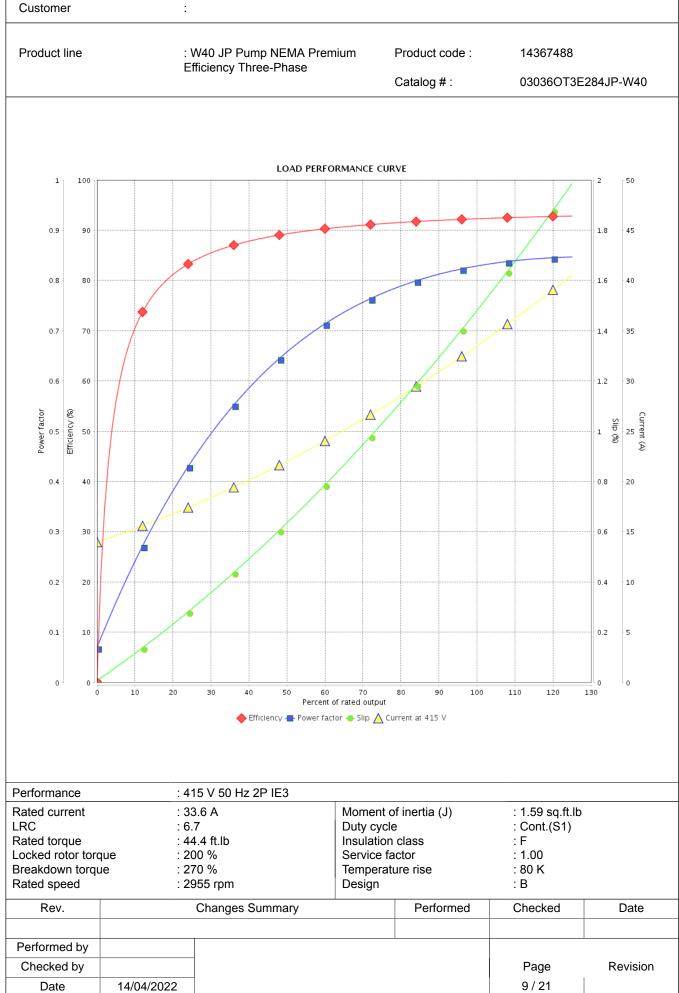


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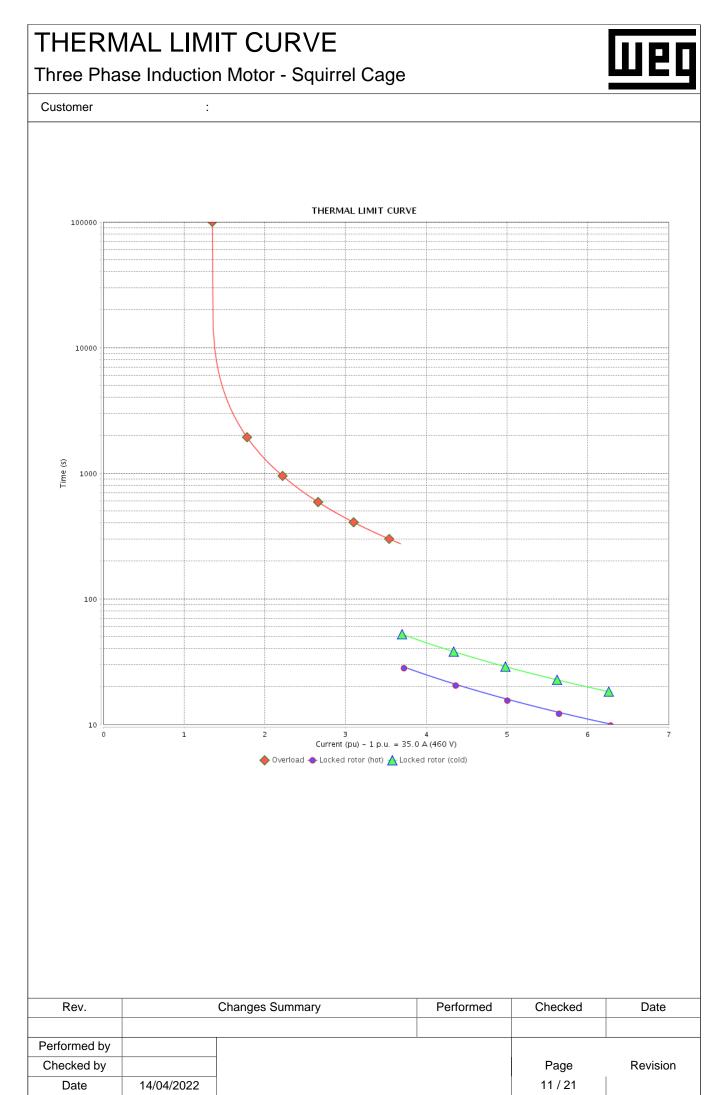
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14367488	
				Catalog # :	03036OT3E2	84JP-W40
Performance	: 2	30/460 V 60 Hz 2P				
Rated current		0.0/35.0 A	Moment of	of inertia (J)	: 1.59 sq.ft.lb	
LRC		: 6.3 Duty cy		9	: Cont.(S1)	
		: 44.4 ft.lb Insulatio			: F : 1.25	
		: 180 % Service : 260 % Tempera		ure rise	: 80 K	
Rated speed		550 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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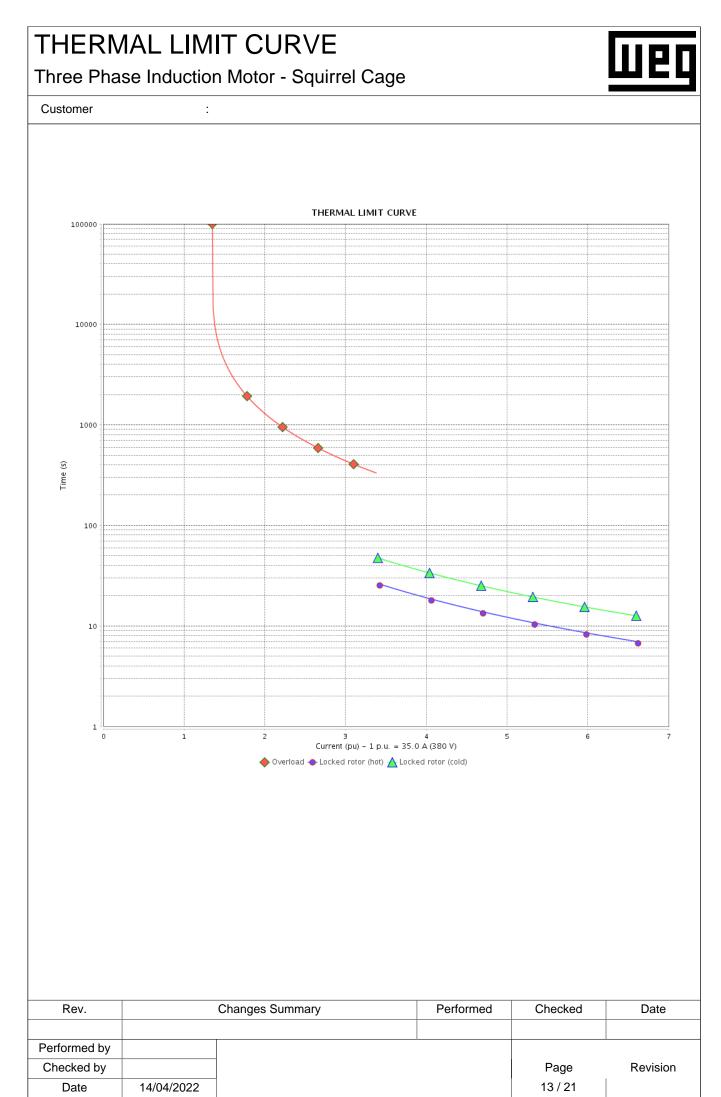
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14367488	
				Catalog # :	03036OT3E28	34JP-W40
Performance	: 38	30 V 50 Hz 2P IE3				
Rated current		5.0 A	Moment o	f inertia (J)	: 1.59 sq.ft.lb	
		: 6.6 Duty cy		; ,	: Cont.(S1)	
		: 44.7 ft.lb Insulati : 170 % Service			: F : 1.00	
		: 240 % Tempera			: 80 K	
Rated speed		940 rpm	Design		: B	
Heating constant						
Cooling constant						
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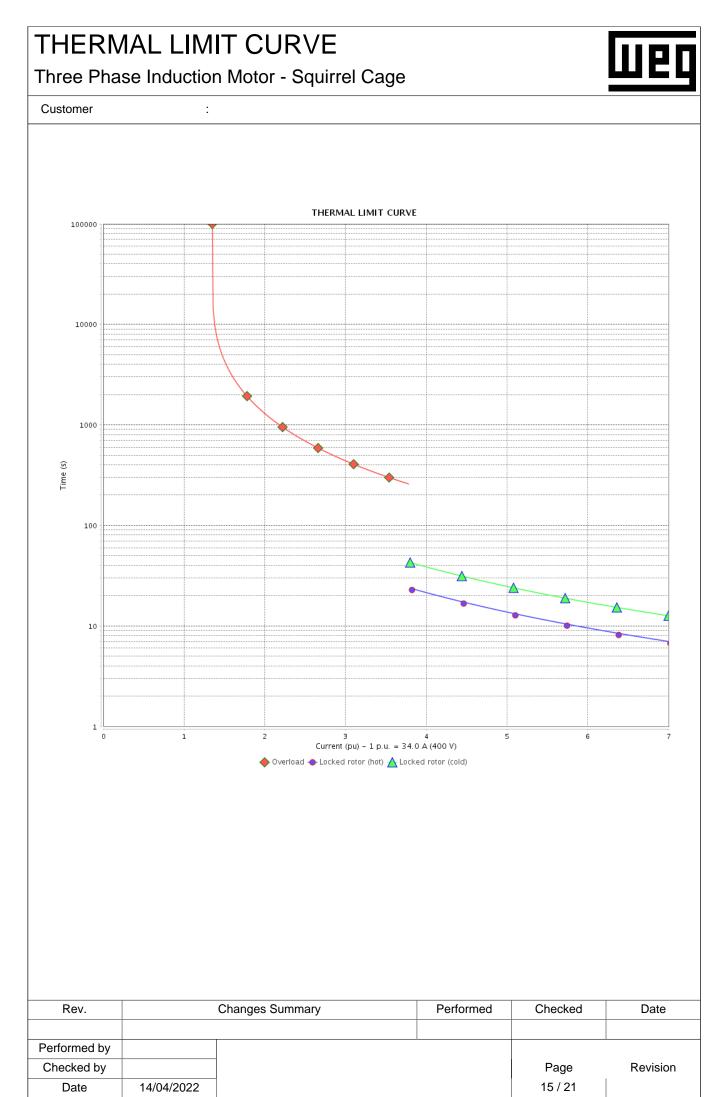
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Customer

Product line	e : W40 JP Pump NEMA Premium Efficiency Three-Phase			Product code : Catalog # :	14367488 03036OT3E284JP-W40		
Performance		00 V 50 Hz 2P IE3					
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 4 jue : 1 ie : 2	4.0 A .0 4.5 ft.lb 90 % 60 % 950 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 1.59 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant				· · ·			
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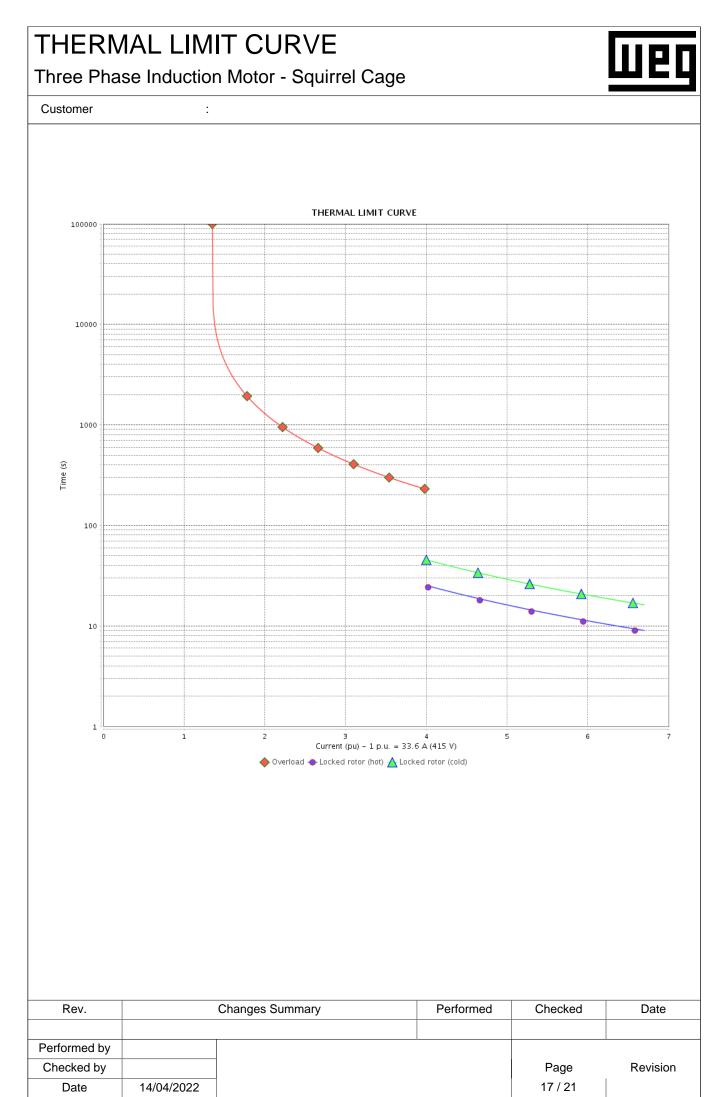
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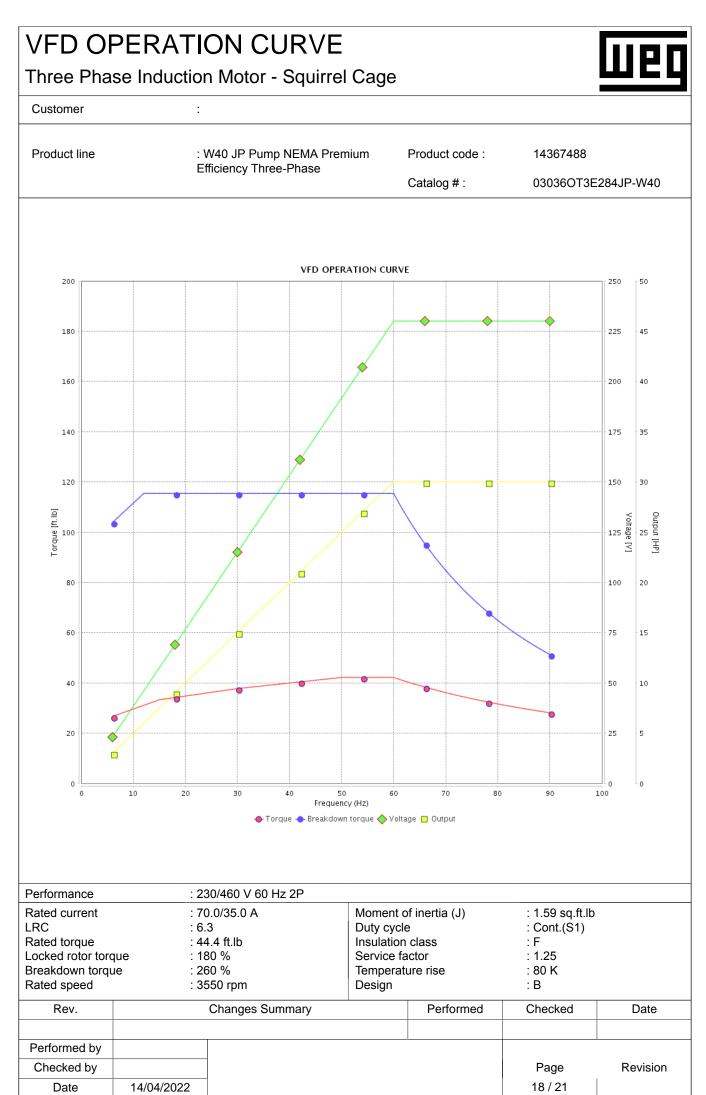


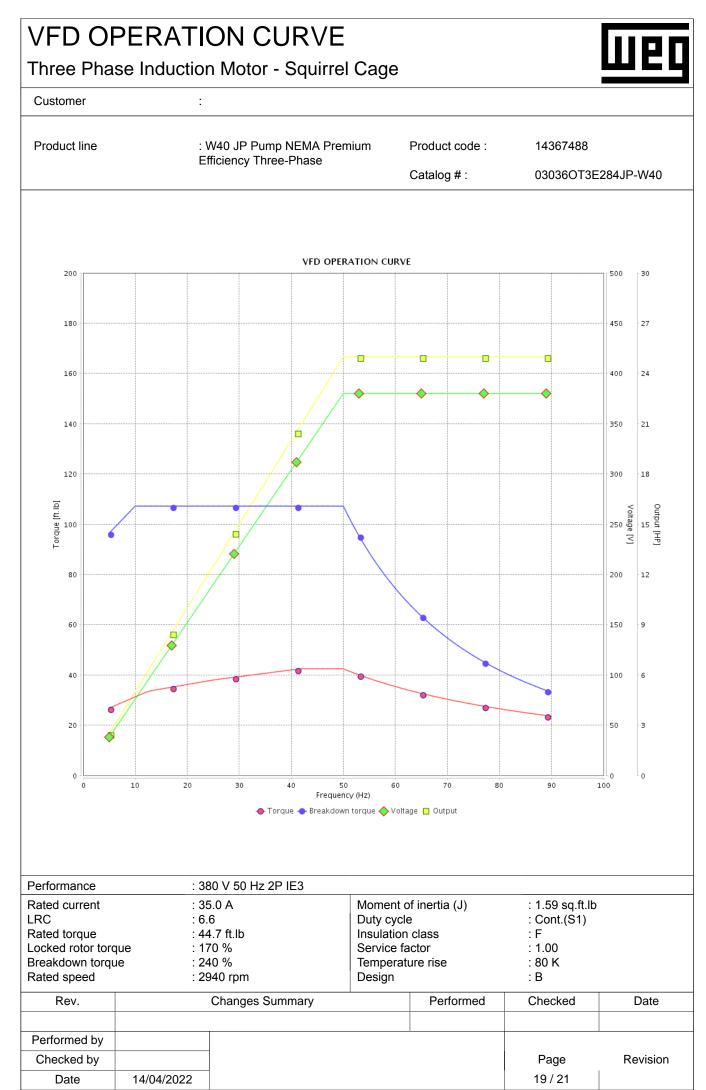
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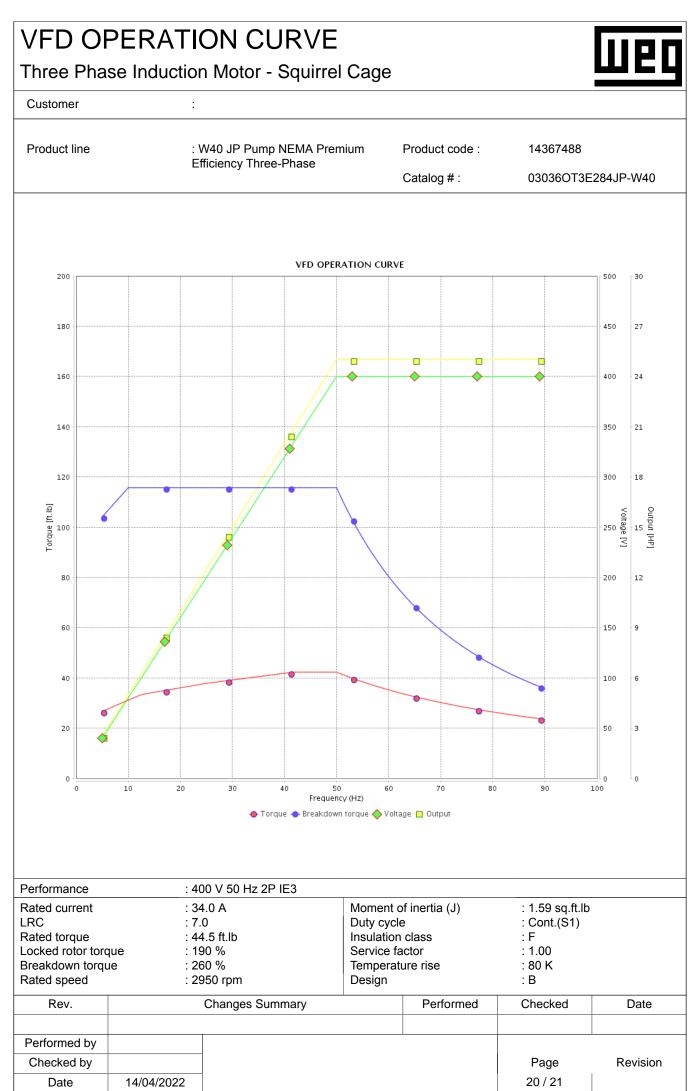
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14367488	
				Catalog # :	03036OT3E2	84JP-W40
Performance	: 4	15 V 50 Hz 2P IE3				
Rated current		3.6 A	Moment o	f inertia (J)	: 1.59 sq.ft.lb	
LRC		.7	Duty cycle		: Cont.(S1)	
		4.4 ft.lb 00 %	Insulation class Service factor		: F : 1.00	
Breakdown torqu				ure rise	: 80 K	
		: 2955 rpm Desig			: B	
Heating constant						
Cooling constant						
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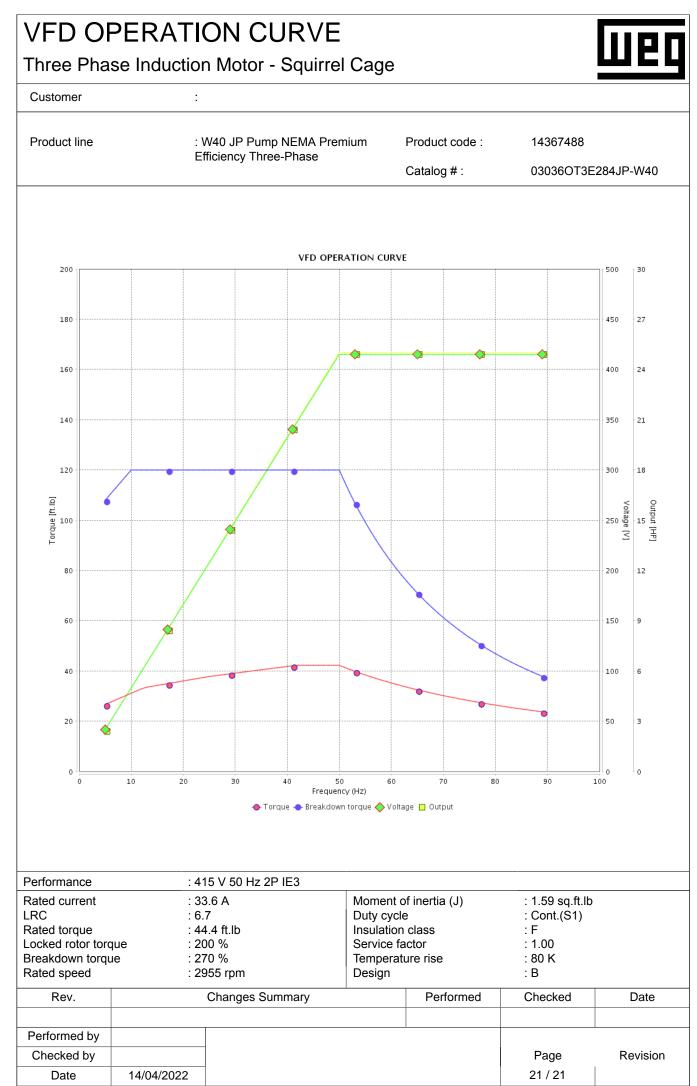
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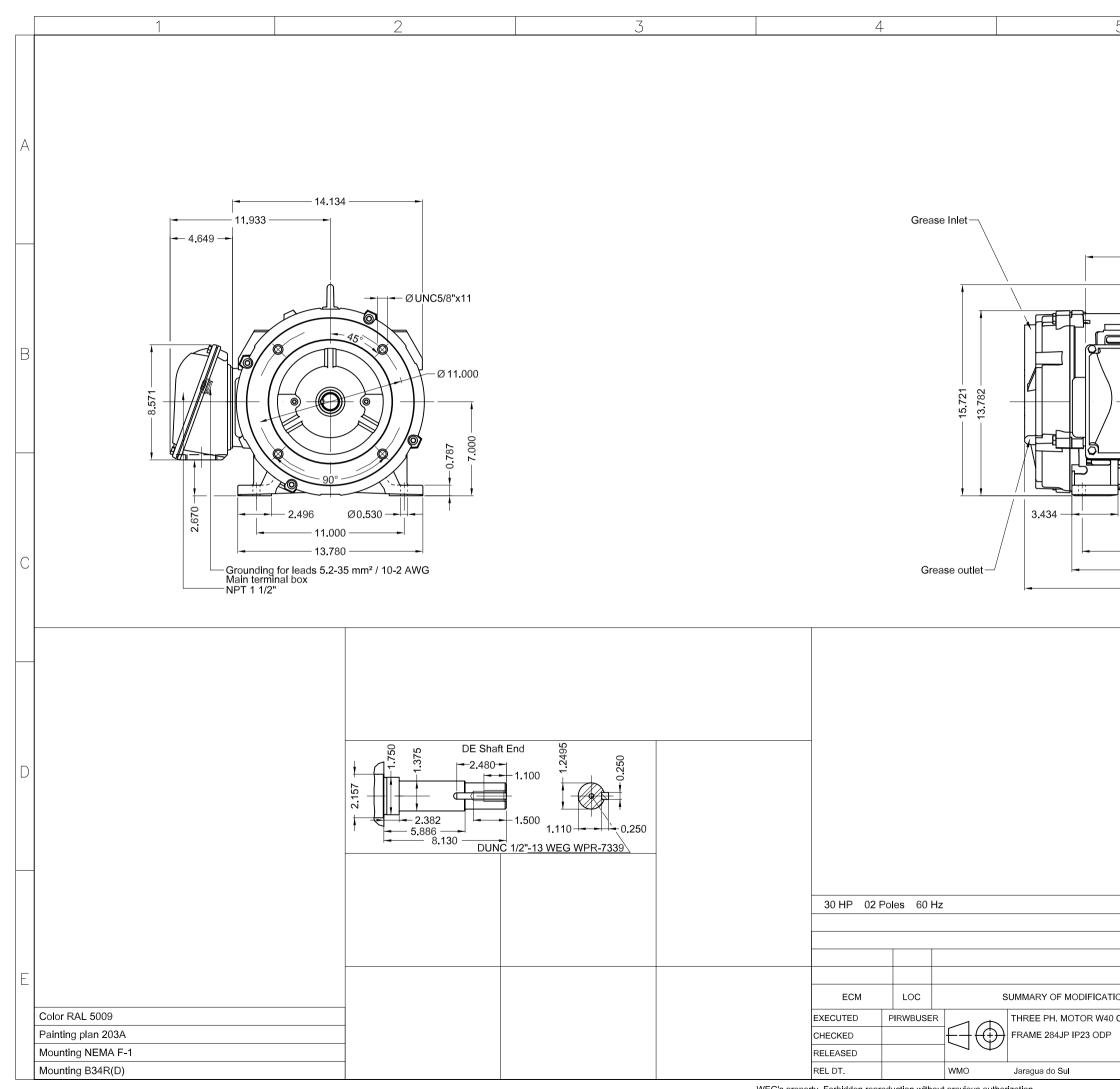












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