## DATA SHEET

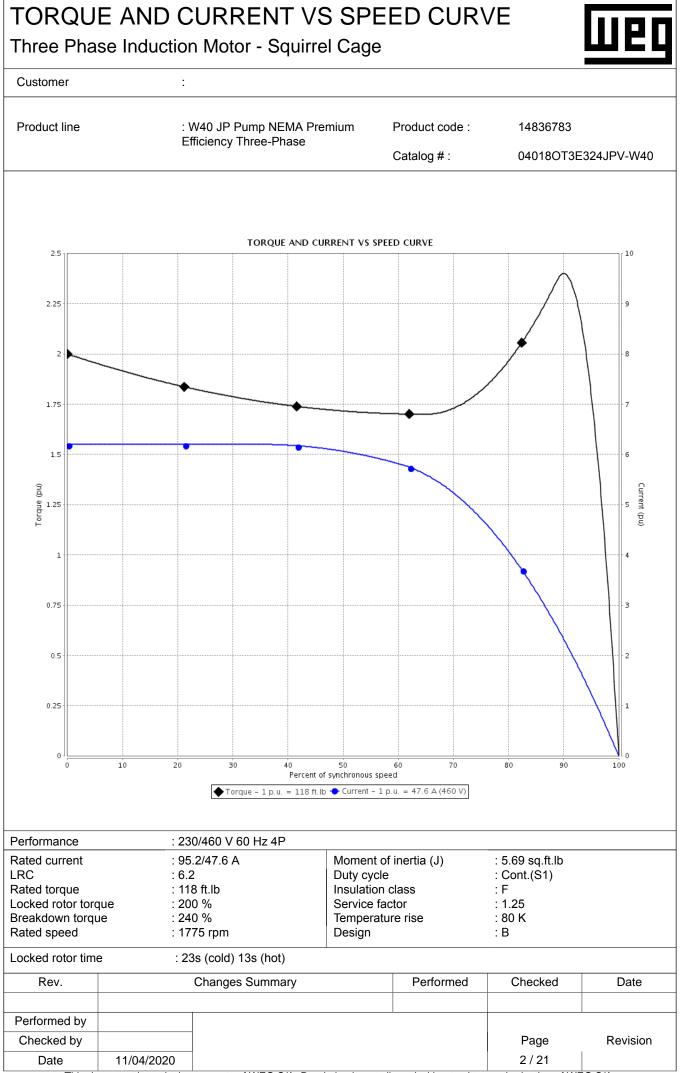
Three Phase Induction Motor - Squirrel Cage

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#### Customer

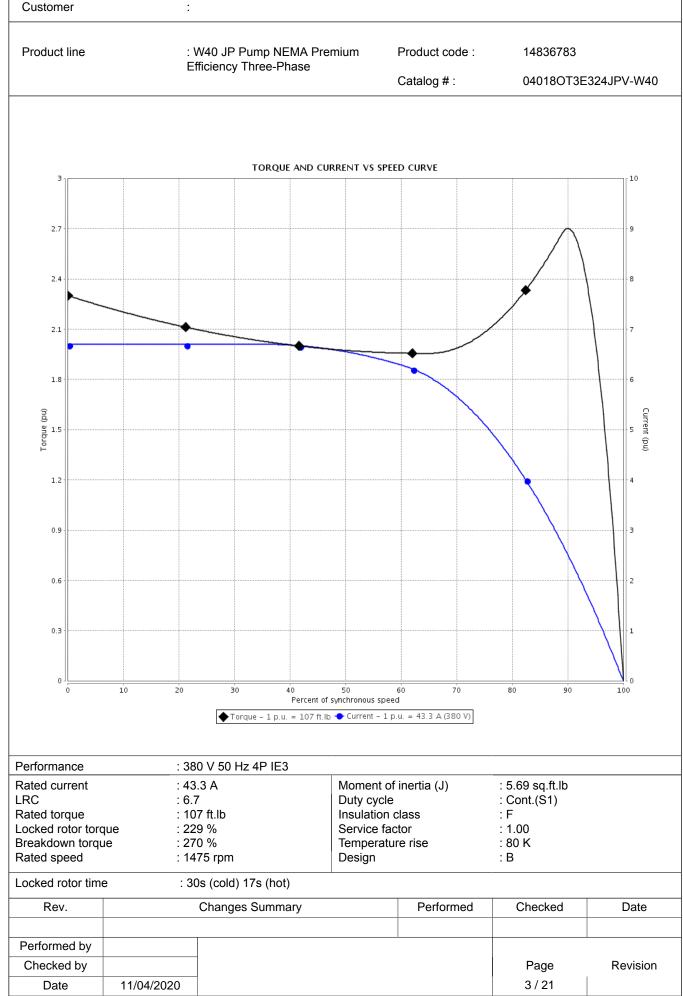
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Prod	m Product code :		14836783	
				Cata	log # :	04018C	0T3E324JPV-W40	
Frame		: 324/6JP		Cooling meth	nod	: IC01 -	ODP	
Insulation class		:F		Mounting		: W-6		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>		: Both (	CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C		Starting meth	nod	: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight <sup>3</sup>		: 465 lb		
Protection degre	e	: IP23		Moment of inertia (J)		: 5.69 sq.ft.lb		
Design		: B						
Dutput [HP]		40		30	30		30	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		95.2/47.6		43.3	42.2		41.7	
R. Amperes [A]		590/295		290	283		313	
RC [A]		6.2x(Code G)	6.7	7x(Code H)	6.7x(Coo	,	7.5x(Code J)	
No load current [A	]	37.0/18.5		18.3	20.3	3	22.1	
Rated speed [RPI		1775		1475	1480	<b>)</b>	1480	
Slip [%]		1.39		1.67	1.33		1.33	
Rated torque [ft.lb	1	118		107	106		106	
ocked rotor torqu		200		229	260		280	
Breakdown torque		240		270	300		330	
Service factor	r1		1.25		1.00		1.00	
emperature rise		80 K		1.00 80 K	80 K		80 K	
ocked rotor time		23s (cold) 13s (hot)	300 (1	cold) 17s (hot)	30s (cold) 17s (hot)		25s (cold) 14s (hot)	
locked fotor time		66.0 dB(A)	505 (0					
	25%	93.5		92.4	92.5	;	92.4	
	50%	93.6		92.4	92.6		92.4	
Efficiency (%)	50% 75%	93.0		92.0	92.0		93.0	
/								
	100%	94.1	93.0		93.0		93.0	
	25%	0.44		0.42	0.38		0.34	
Power Factor	50%	0.70		0.68	0.63		0.59	
	75%	0.80	0.78		0.75		0.72	
	100%	0.84		0.83	0.81		0.79	
Bearing type			rive end 1 Z C3		ads			
Sealing				Max. compres	551011			
Lubrication inter-			ing Seal 000 h					
Lubrication inter								
Lubricant amour	IL		11 g					
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	′ 105A SF 1.′	15 SFA 121A						
This revision repl must be eliminate (1) Looking the m	ed.	ncel the previous one, wh	hich				ts with sinusoidal stipulated in NEMA	
(2) Measured at ( (3) Approximate ( manufacturing pr	1m and with t weight subjec ocess.	tolerance of +3dB(A). to changes after						
(4) At 100% of fu		Changes Summary		F	Performed	Checked	Date	
(4) At 100% of fu Rev.								
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Rev.						Page	Revision	
Rev.	11/04/202					Page 1 / 21	Revision	



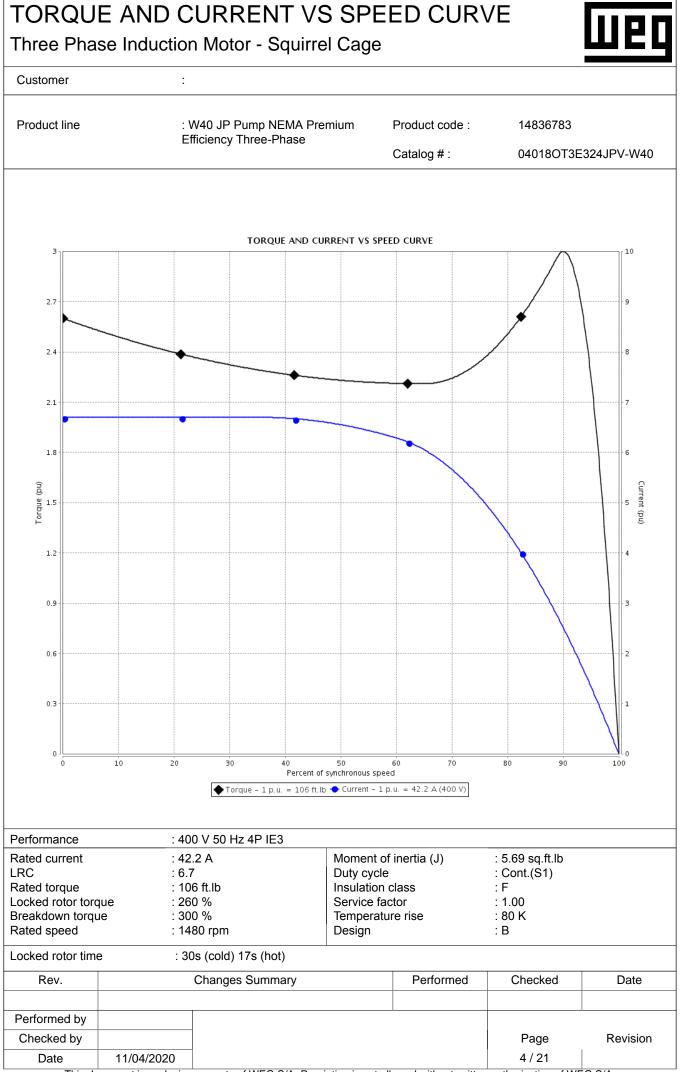
### TORQUE AND CURRENT VS SPEED CURVE

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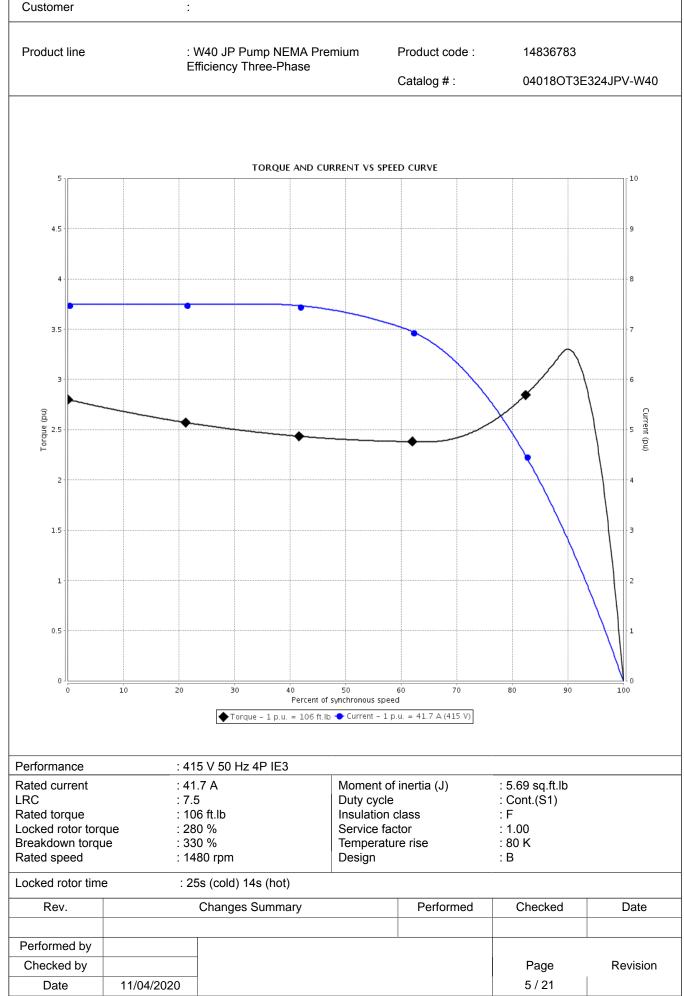


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### TORQUE AND CURRENT VS SPEED CURVE

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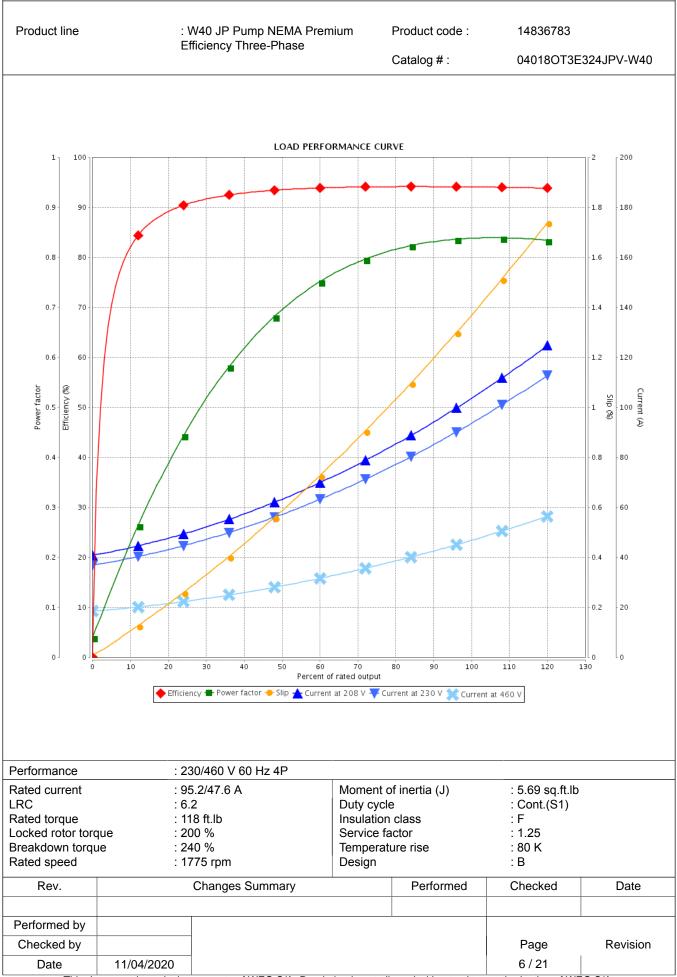
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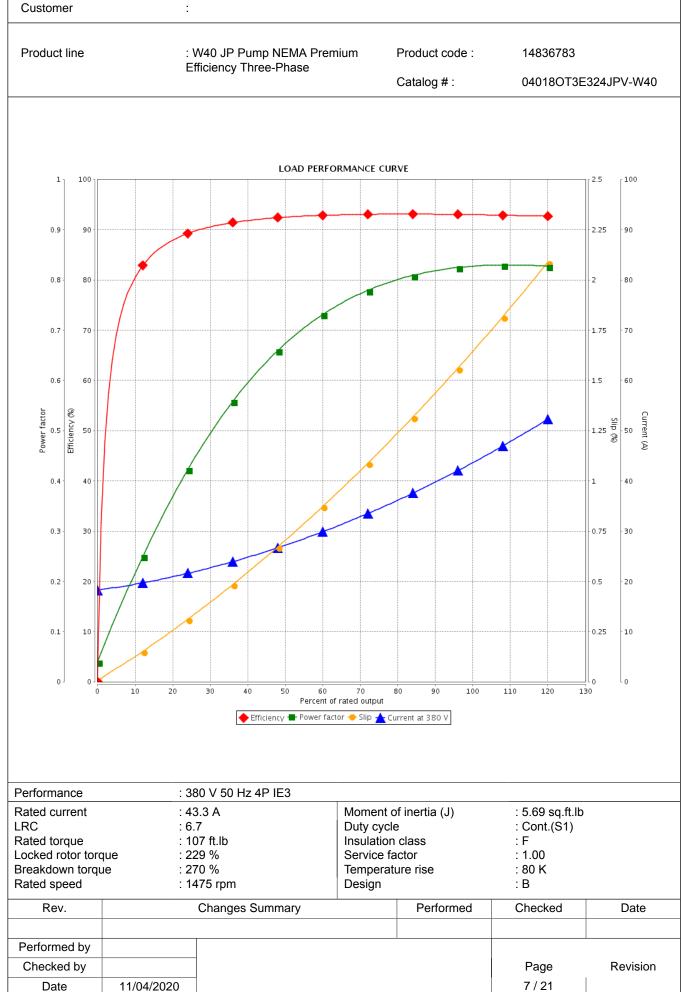


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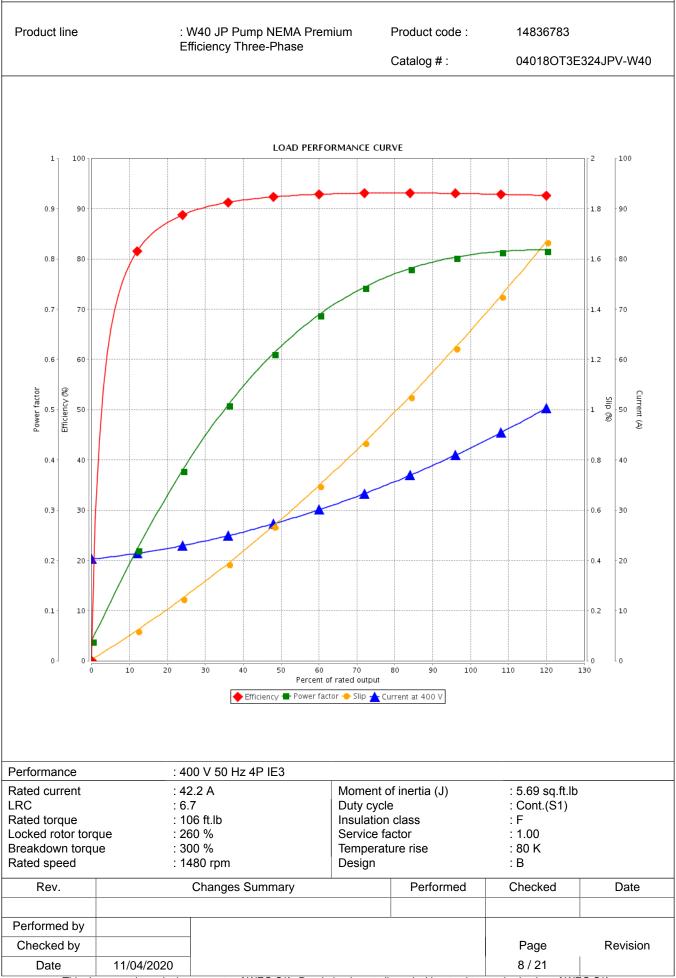
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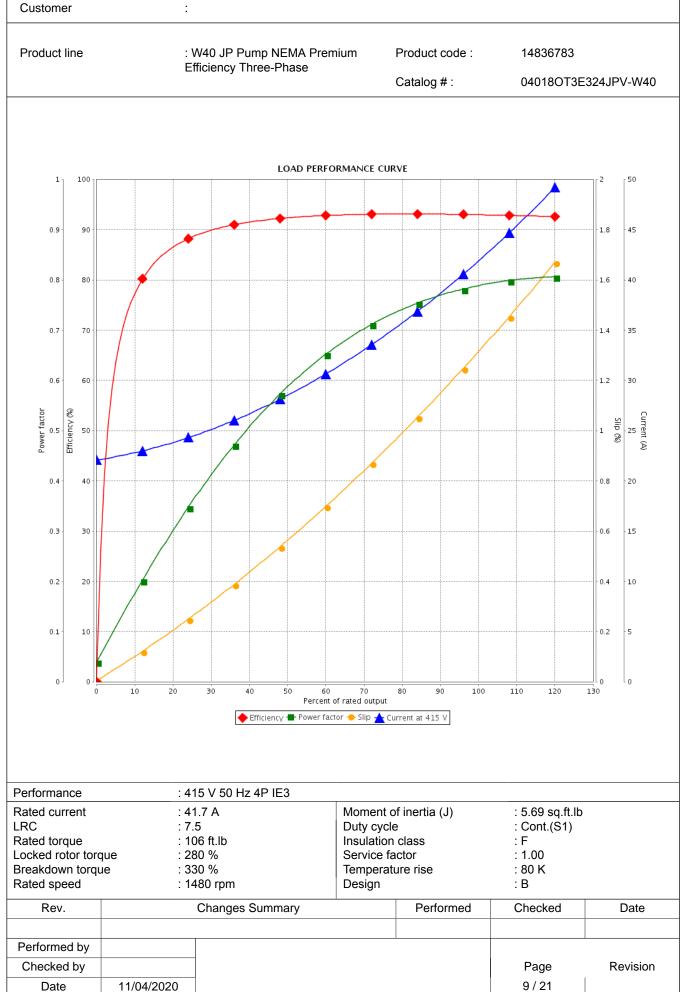


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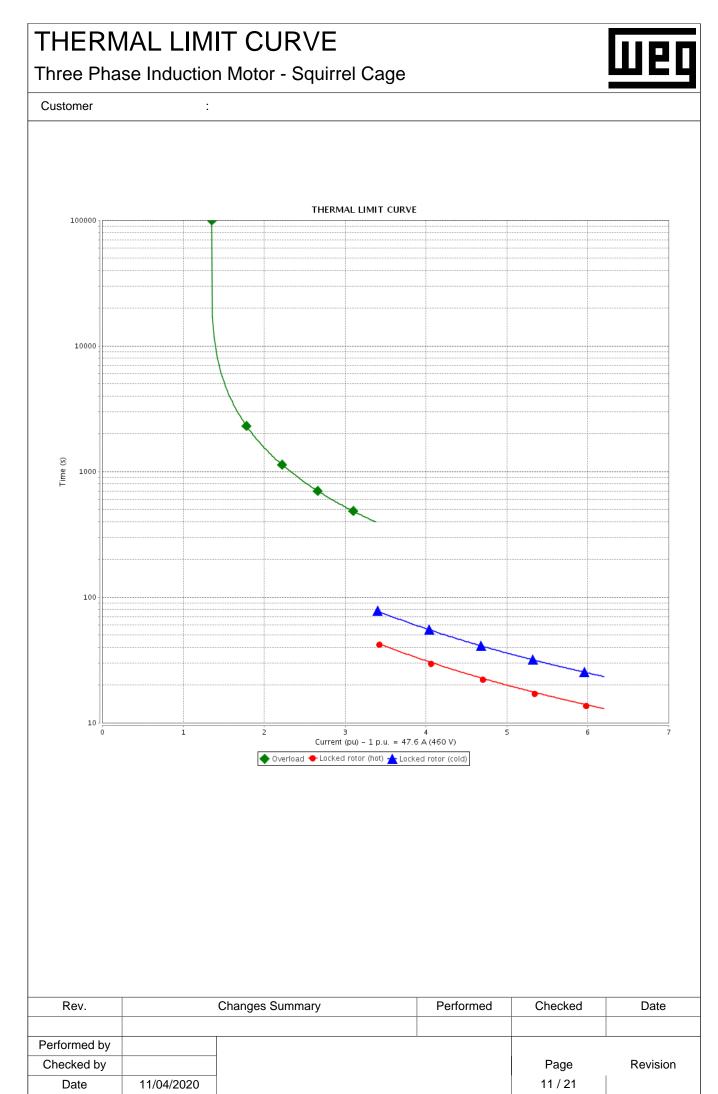
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Customer

Product line	: \ E1	: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14836783	
		,		Catalog # :	04018OT3E32	24JPV-W40
Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC		5.2/47.6 A 2 I8 ft.lb	Moment of inertia (J) Duty cycle Insulation class		: 5.69 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque		00 % 40 % 775 rpm	Service fa Temperate Design		: 1.25 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by Date	11/04/2020	-			Page 10 / 21	Revision
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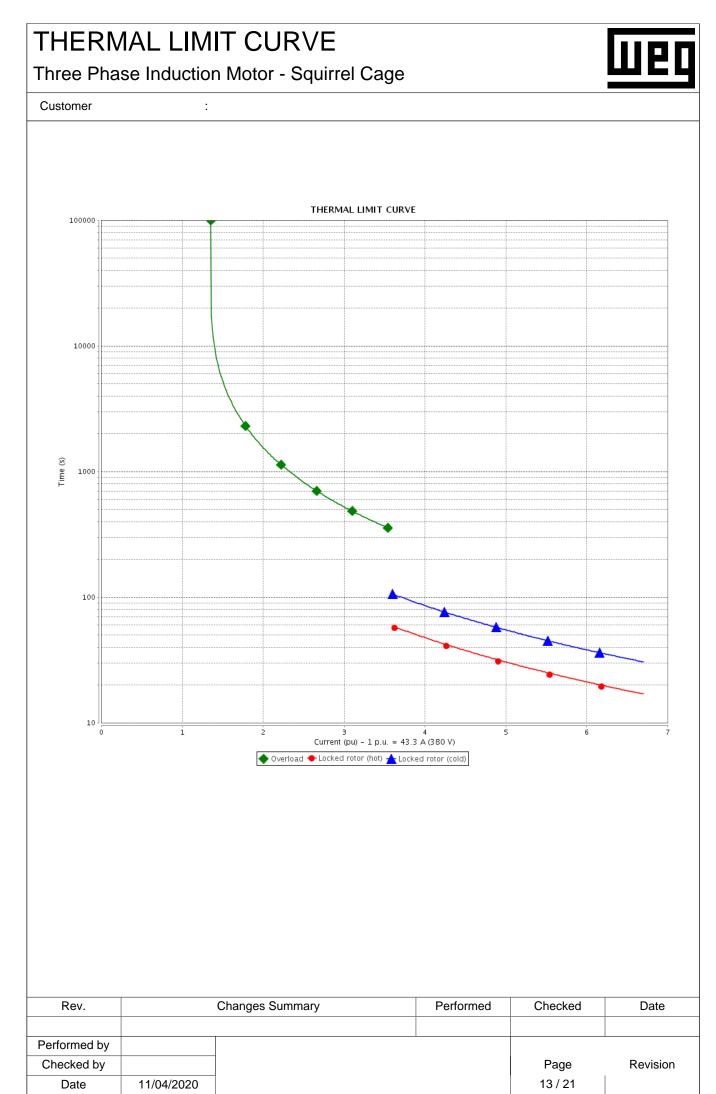
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Customer

Product line		W40 JP Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14836783 04018OT3E3	24JPV-W40
Performance	: 3	80 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		3.3 A .7 07 ft.lb 29 % 70 % 475 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan	t					
Cooling constant						
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Checked by	11/04/2020	-			Page 12 / 21	Revision
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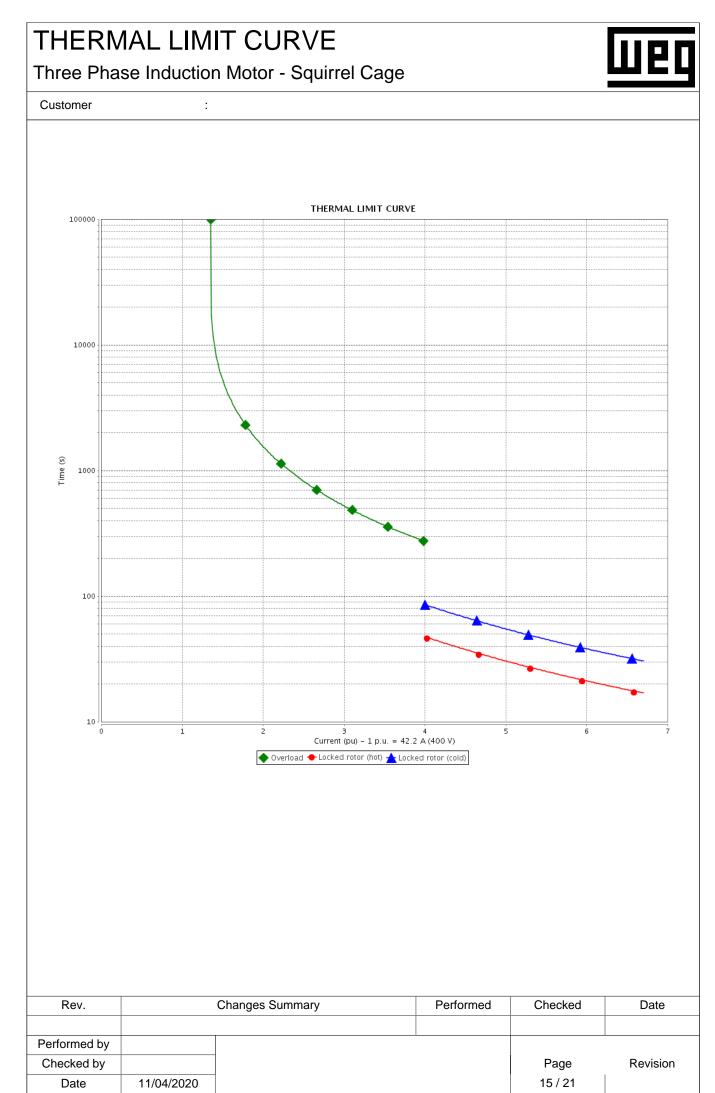
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14836783	
				Catalog # :	04018OT3E32	24JPV-W40
Performance		400 V 50 Hz 4P IE3				
Rated current LRC		42.2 A 6.7	Moment of Duty cycle	f inertia (J)	: 5.69 sq.ft.lb : Cont.(S1)	
Rated torque	: '	106 ft.lb	Insulation	class	: F	
Locked rotor toro		260 % 300 %	Service fa		: 1.00 : 80 K	
Breakdown torqu Rated speed		1480 rpm	Temperate Design	ure rise	: 80 K	
Heating constan		•	<u> </u>			
Cooling constant						
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Performed by						
Checked by		-			Page	Revision
Date	11/04/2020	1			14/21	

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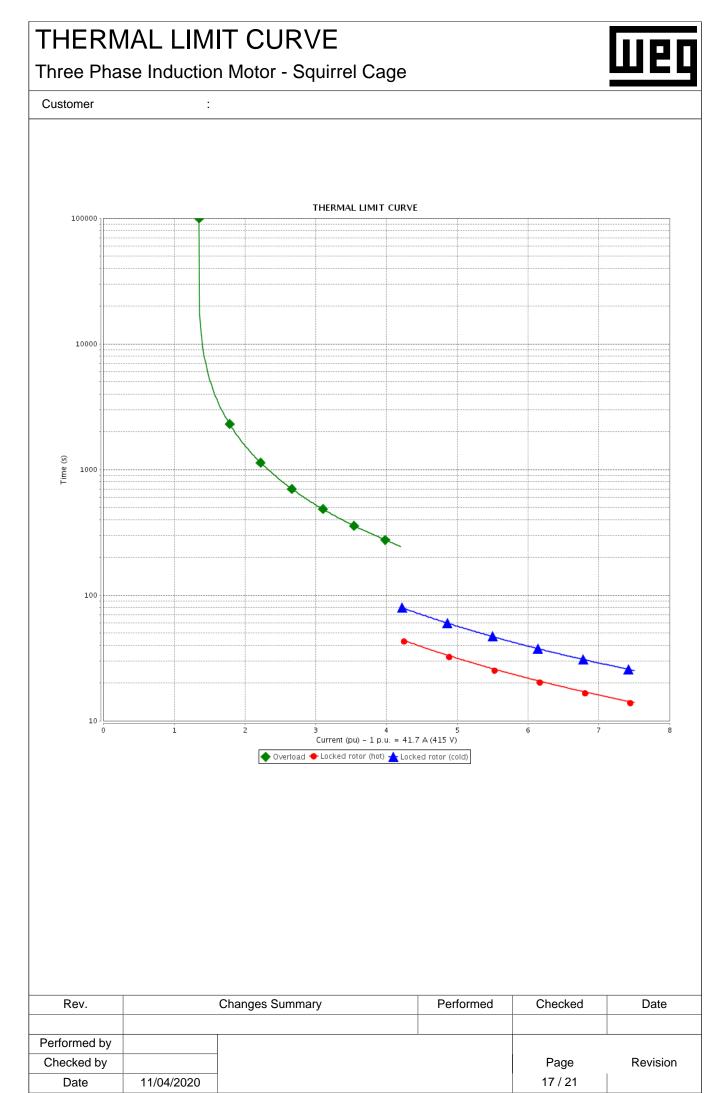
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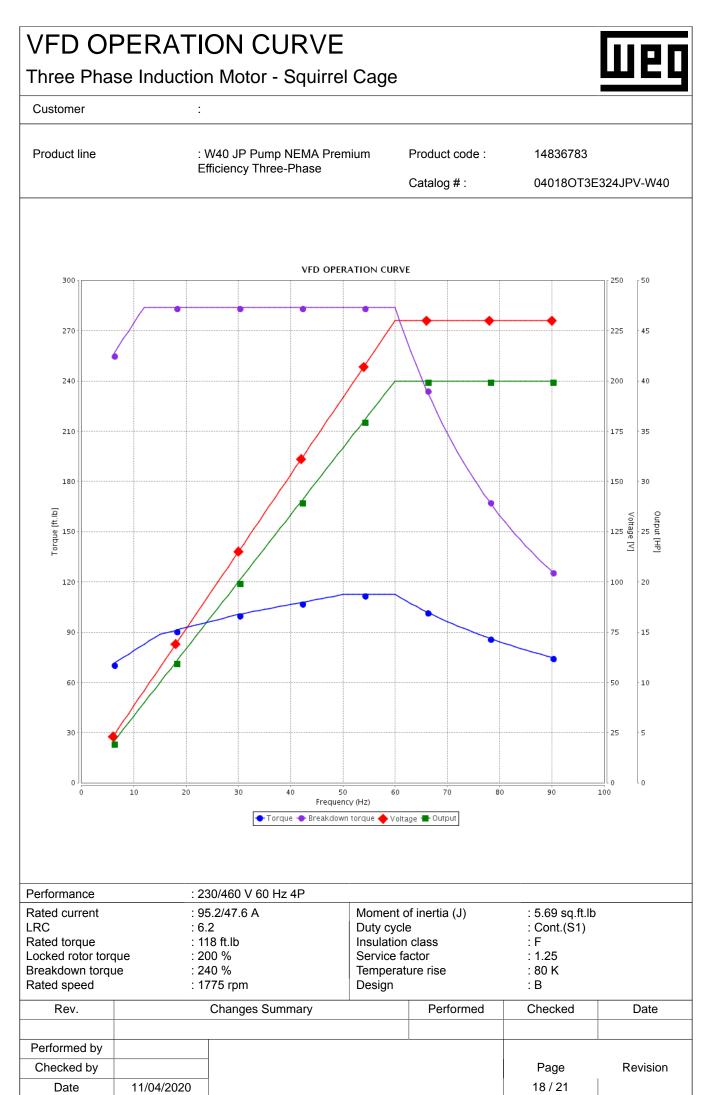


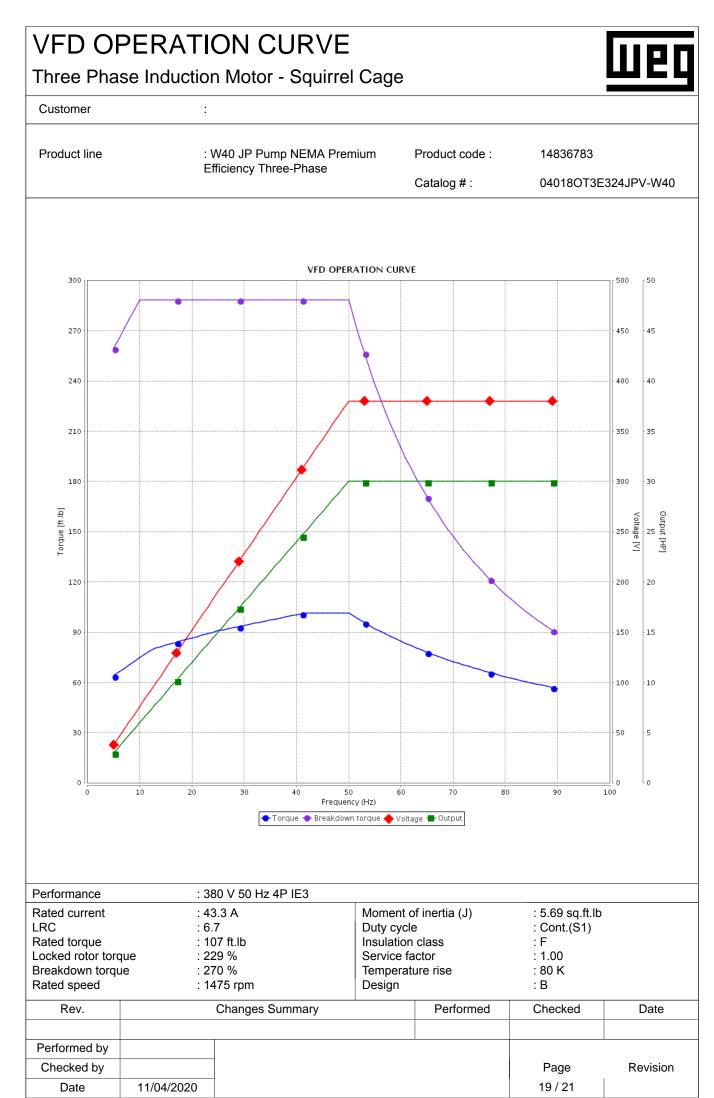
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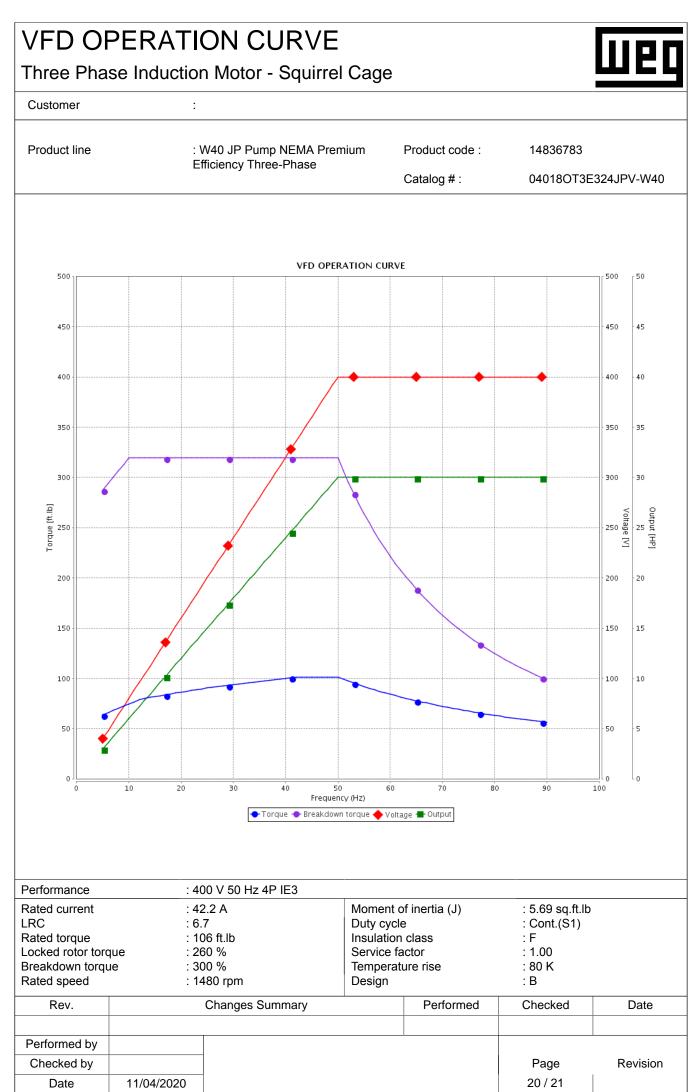
Product line	: W40 JP Pump NEMA P Efficiency Three-Phase		mium Product code :		14836783		
				Catalog # :	04018OT3E32	24JPV-W40	
Performance		415 V 50 Hz 4P IE3					
Rated current LRC		41.7 A 7.5	Moment o Duty cycle	f inertia (J)	: 5.69 sq.ft.lb : Cont.(S1)		
Rated torque		106 ft.lb	Insulation		: F		
Locked rotor toro		280 %	Service fa		: 1.00		
Breakdown torqu Rated speed		330 % 1480 rpm	Temperatu Design	ure rise	: 80 K : B		
		· · - • · • · · · ·			· =		
Heating constant Cooling constant							
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