## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

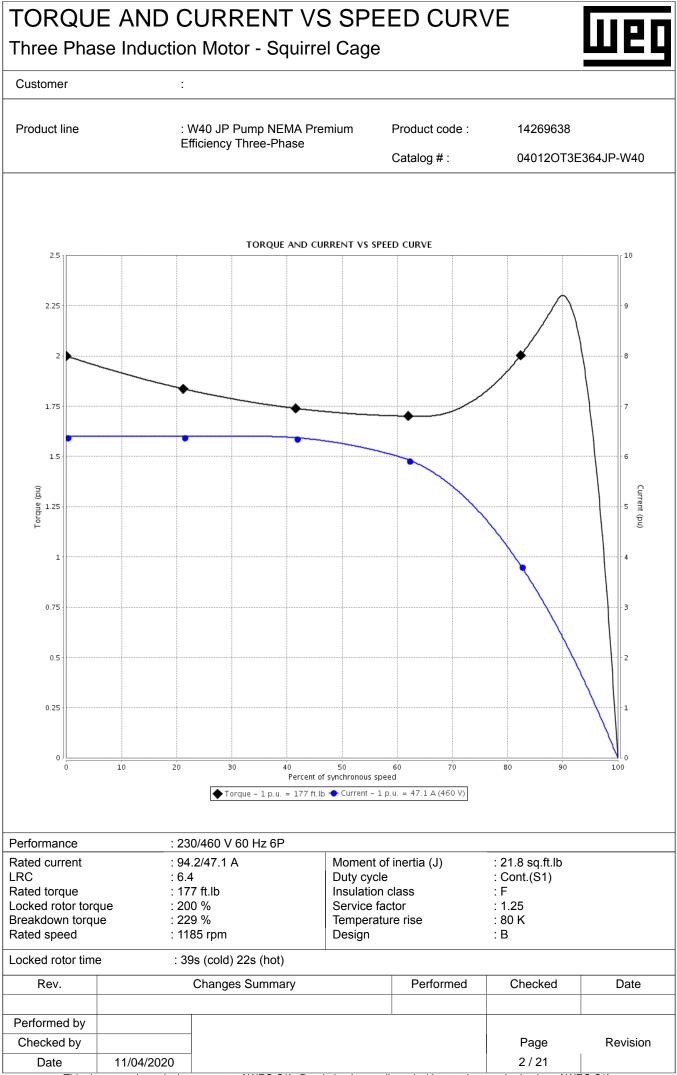
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#### Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Pr	oduct code :	14269638 04012OT3E364JP-W40	
				Catalog # :			
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 364/5JP : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		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 : 787 lb : 21.8 sq.ft.lb	
Design		: B					
Dutput [HP]		40		30	3		30
Poles		6		6	-	3	6
Frequency [Hz]		60		50	5		50
Rated voltage [V]		230/460		380	40		415
Rated current [A]		94.2/47.1		42.7	41		40.0
R. Amperes [A]		603/301		295	28		320
RC [A]	1	6.4x(Code G)	6.9	9x(Code H)	7.0x(C	· · · · · · · · · · · · · · · · · · ·	8.0x(Code J)
lo load current [A		31.6/15.8		15.6		6.7	17.6
Rated speed [RPN	/I]	1185		985	98		985
Slip [%]		1.25		1.50		50	1.50
Rated torque [ft.lb]		177		160	16		160
ocked rotor torqu		200		200	22		250
Breakdown torque	[%]		229 2		29		310
Service factor		1.25		1.00		00	1.00
Temperature rise		80 K		80 K	80		80 K
Locked rotor time		39s (cold) 22s (hot)	45s (c	cold) 25s (ho	ot) 50s (cold)	) 28s (hot) 4	1s (cold) 23s (hot)
loise level <sup>2</sup>	c = t :	68.0 dB(A)		<b>•</b> <i>t</i> =			
	25%	93.5		91.7	91		91.7
Efficiency (%)	50%	93.6	91.8		91		91.8
	75%	94.1		92.2	92		92.2
	100%	94.1	92.2		92		92.2
	25%	0.49	0.47		0.4		0.41
Power Factor	50%	0.74		0.72	0.6		0.66
	75%	0.82		0.82	0.7		0.78
	100%	0.85		0.85	0.8	84	0.83
Bearing type Sealing		: 6314 C3 621 : Without W	6314 C36212 Z C3Max. tractionWithoutWithoutMax. compress		on : 1305 lb		
Lubrication interval Lubricant amount Lubricant type		: 20000 h 20	000 h 13 g				
Notes USABLE @208V	104A SF 1.1						
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 the previous one, when the shaft end. The shaft end. The olerance of +3dB(A). The to changes after	hich				with sinusoidal ipulated in NEMA
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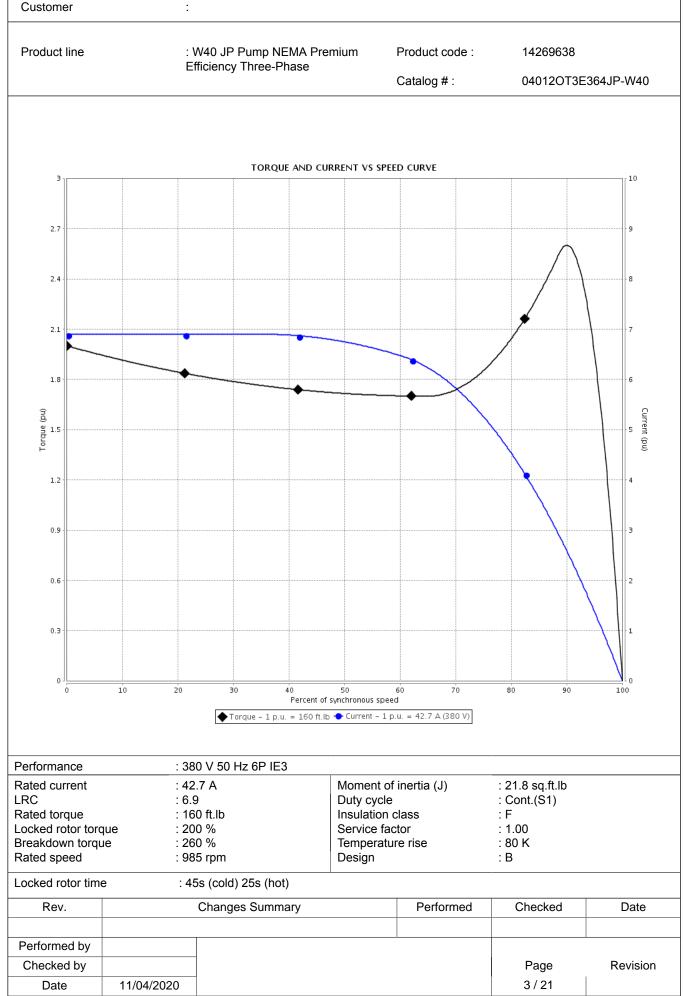
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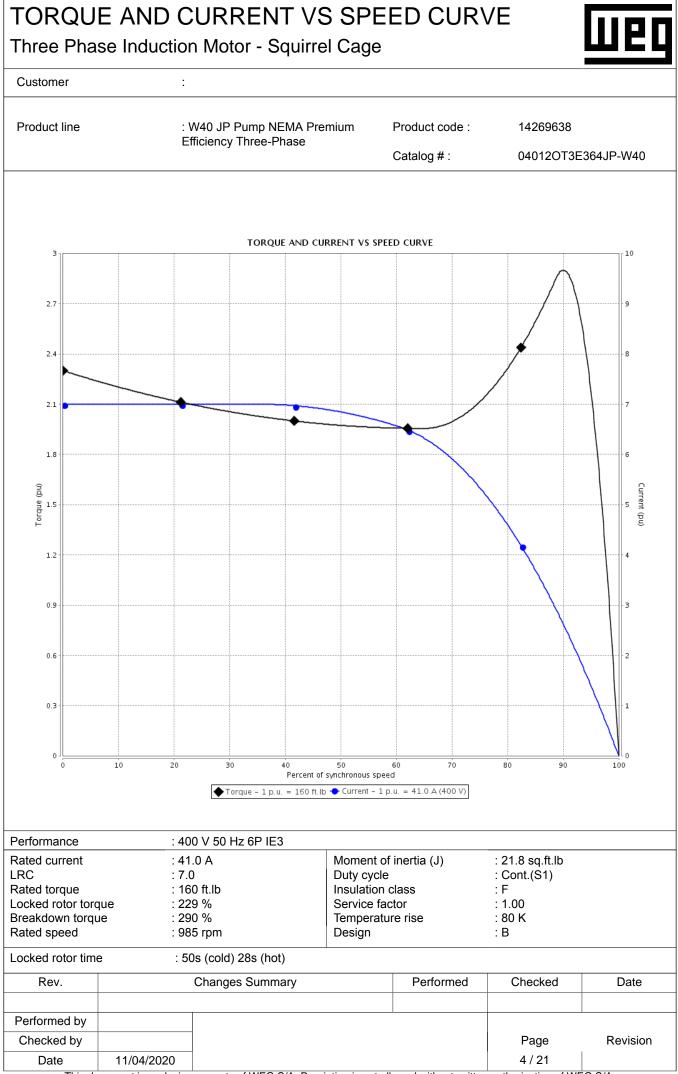
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



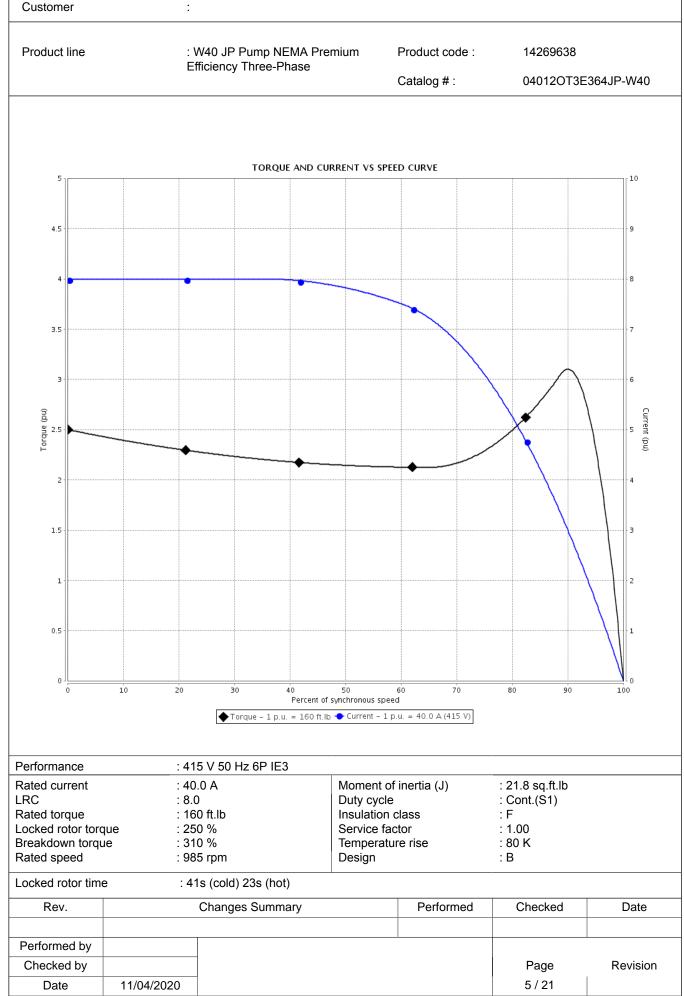
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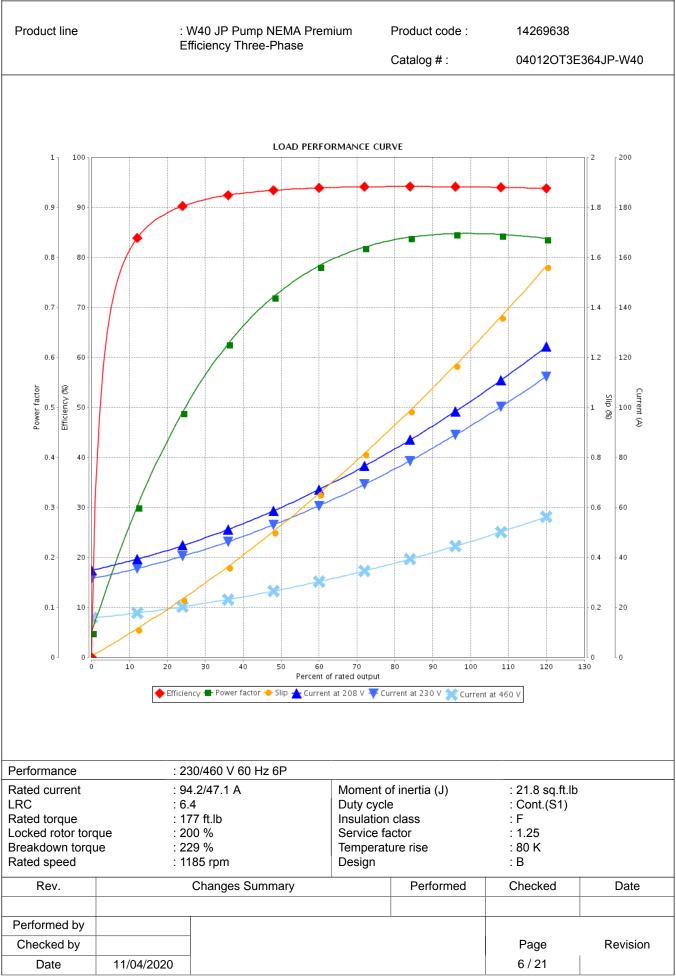
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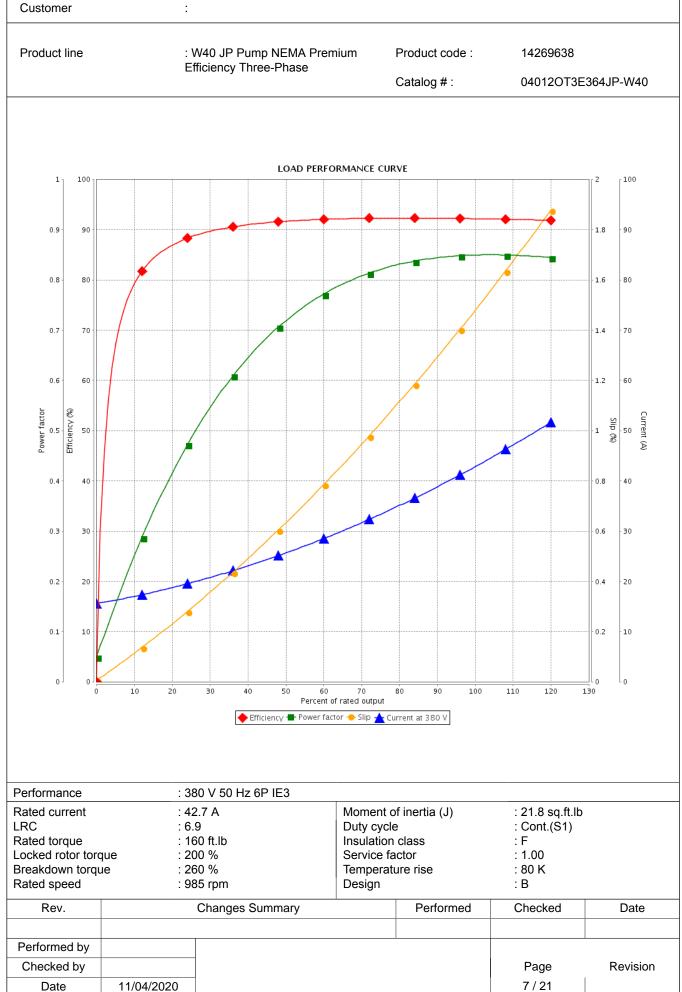


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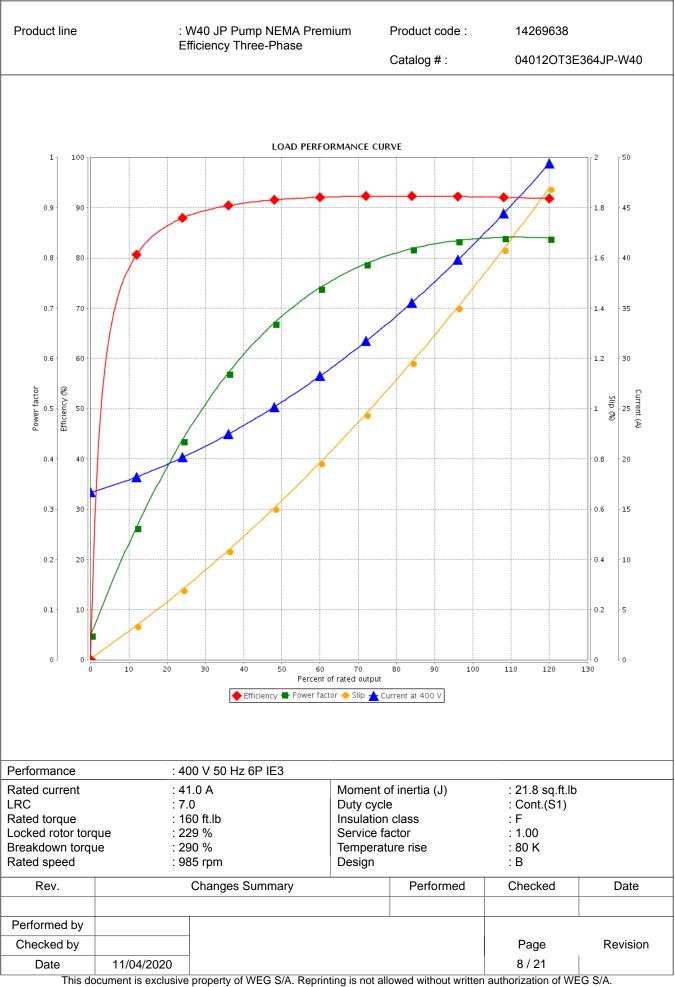
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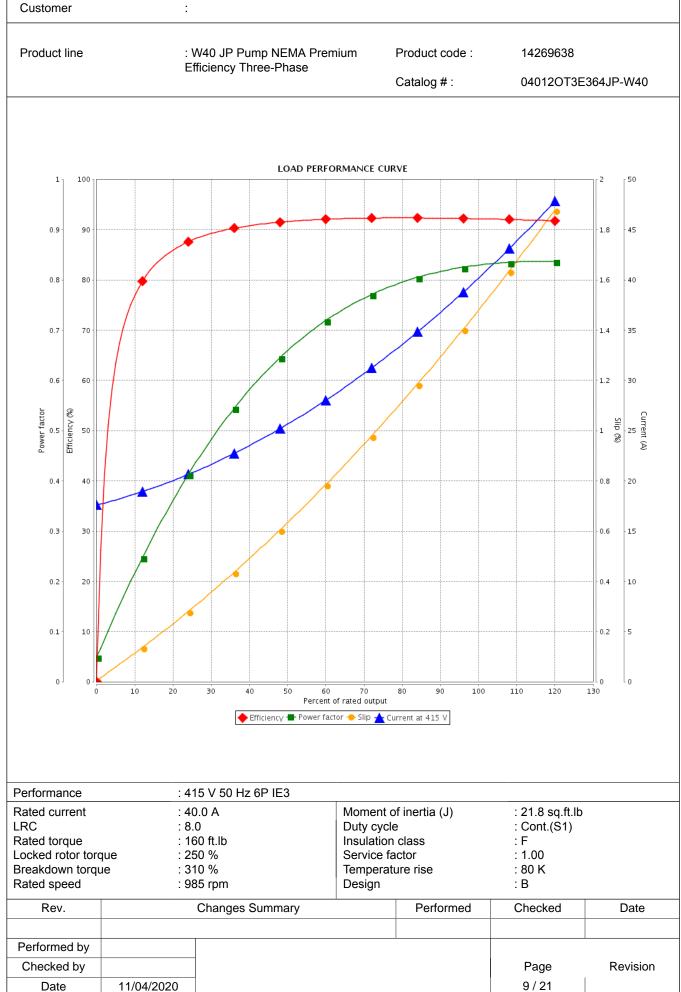


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### Customer



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### THERMAL LIMIT CURVE

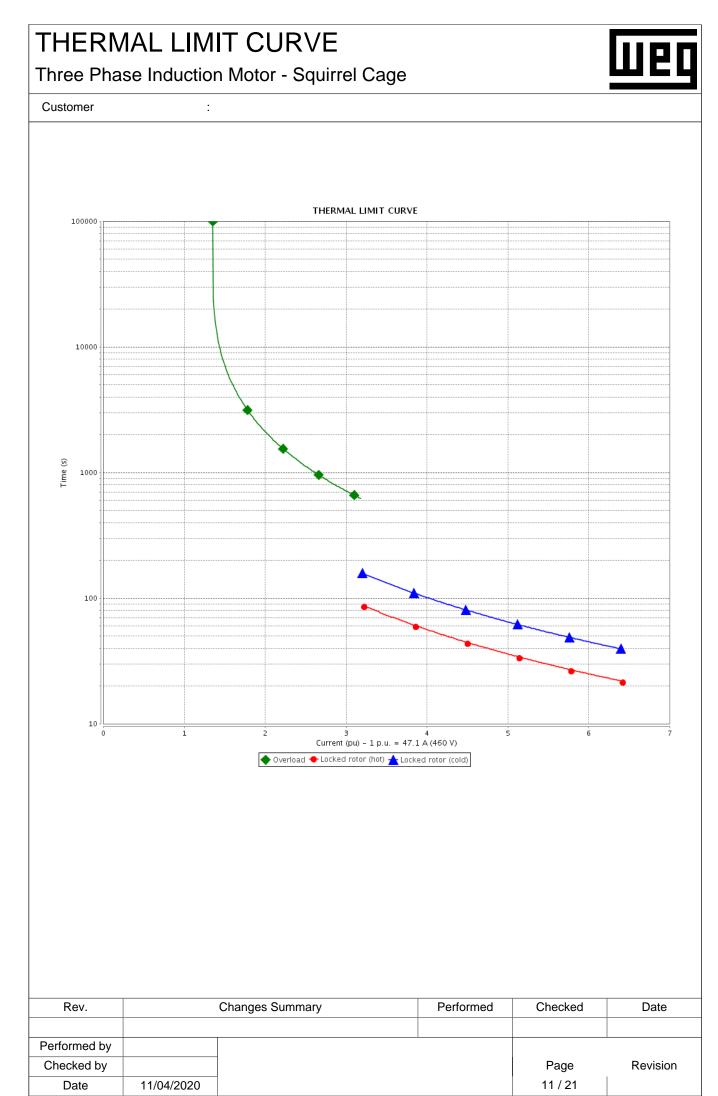
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14269638 04012OT3E364JP-W40	
					04012013230	9431 - 1040
Performance	·	30/460 V 60 Hz 6P				
Rated current			Momento	of inertia (J)	: 21.8 sq.ft.lb	
LRC	: 6	.4	Duty cycle	9	: Cont.(S1)	
Rated torque	: 1	77 ft.lb	Insulation	class	: F	
Locked rotor torqu		00 % 29 %	Service fa		: 1.25	
Breakdown torque Rated speed			Temperate Design	ure rise	: 80 K : B	
			5			
Heating constant Cooling constant						
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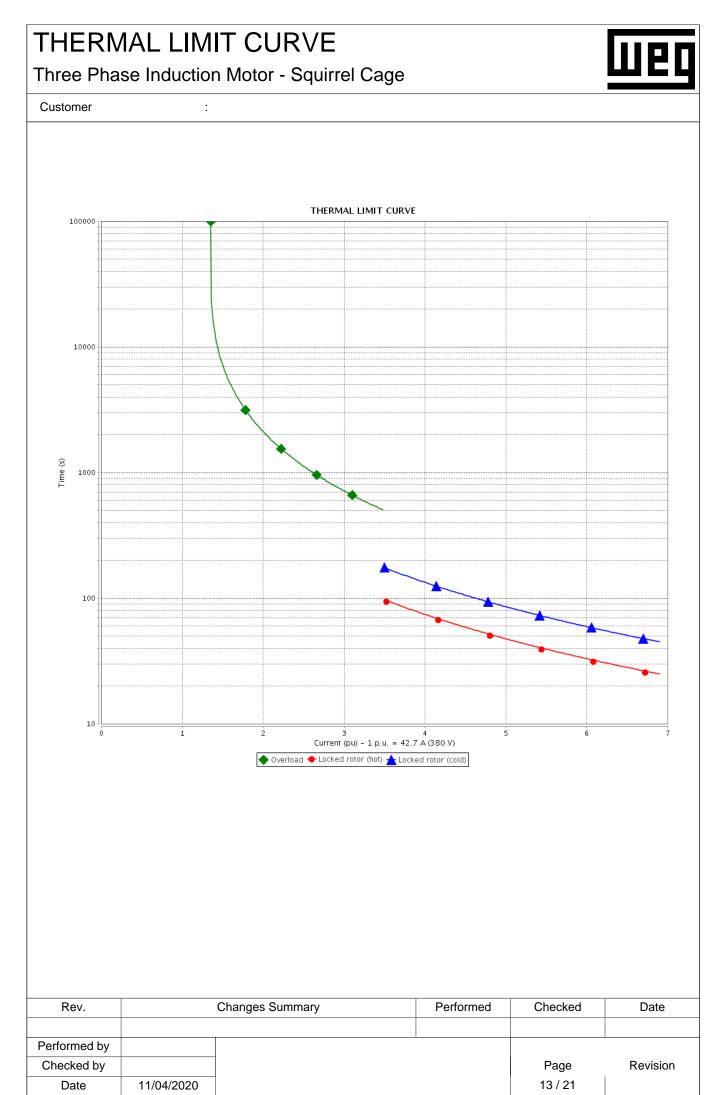
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Customer

Product line	: W40 JP Pump NEMA Pre Efficiency Three-Phase		nium Product code :		14269638	
	E	mclency Inree-Phase		Catalog # :	04012OT3E3	64JP-W40
				Catalog # :	04012OT3E3	64JP-W40
Performance Rated current LRC Rated torque	: 4 : 6 : 1	60 ft.lb	Duty cycle Insulation	class	: 21.8 sq.ft.lb : Cont.(S1) : F	
Locked rotor torque Breakdown torque Rated speed		00 % 60 % 85 rpm	Service factor Temperature rise Design		: 1.00 : 80 K : B	
Heating constant Cooling constant						
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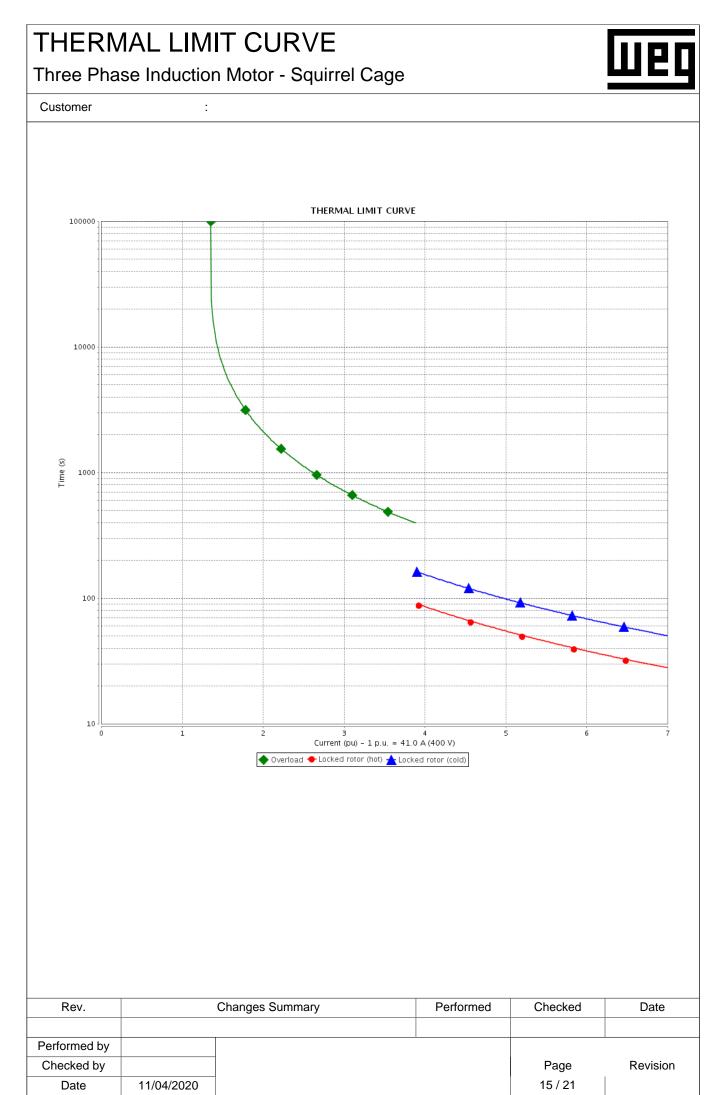
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Customer

Product line	: W40 JP Pump NEMA Premium Efficiency Three-Phase			Product code :	14269638	
				Catalog # :	04012OT3E3	64JP-W40
Performance	• 4					
Rated current		00 V 50 Hz 6P IE3 1.0 A	Moment	finartia (1)	· 21 0 00 # 16	
LRC	: 4		Duty cycle	f inertia (J)	: 21.8 sq.ft.lb : Cont.(S1)	
Rated torque		60 ft.lb	Insulation	class	: F	
Locked rotor tor		29 %	Service fa		: 1.00	
Breakdown torqu Rated speed		90 % 85 rpm	Temperatu Design	ire rise	: 80 K : B	
Heating constan	t					
Cooling constant						
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### THERMAL LIMIT CURVE

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Customer

Product line	: W40 JP Pump NEMA Premium Efficiency Three-Phase		ium	Product code :	14269638	
	L	niciency milee-i nase		Catalog # :	04012OT3E3	64JP-W40
Performance	: 4	15 V 50 Hz 6P IE3				
Rated current: 40.0 ALRC: 8.0Rated torque: 160 ft.lbLocked rotor torque: 250 %Breakdown torque: 310 %		0.0 A .0 60 ft.lb 50 %	Moment o Duty cycle Insulation Service fa Temperatu	class ctor	: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K	
Rated speed		85 rpm	Design		: B	
Heating constant						
Cooling constant Rev.	L	Changes Summary		Performed	Checked	Date
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