DATA SHEET

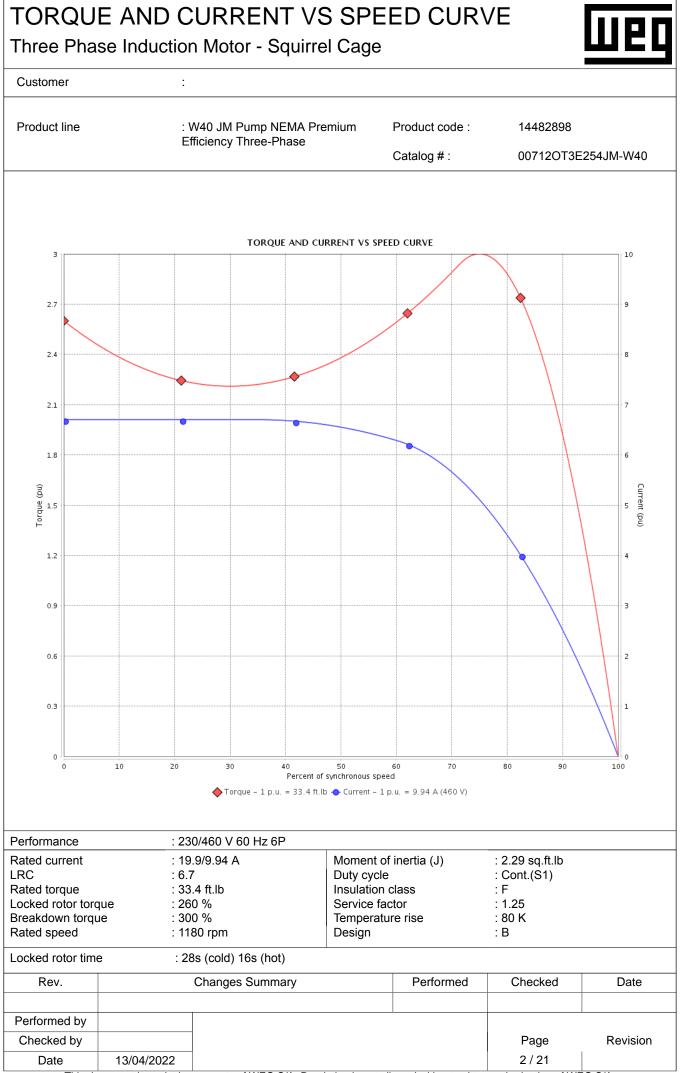
Three Phase Induction Motor - Squirrel Cage

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Customer

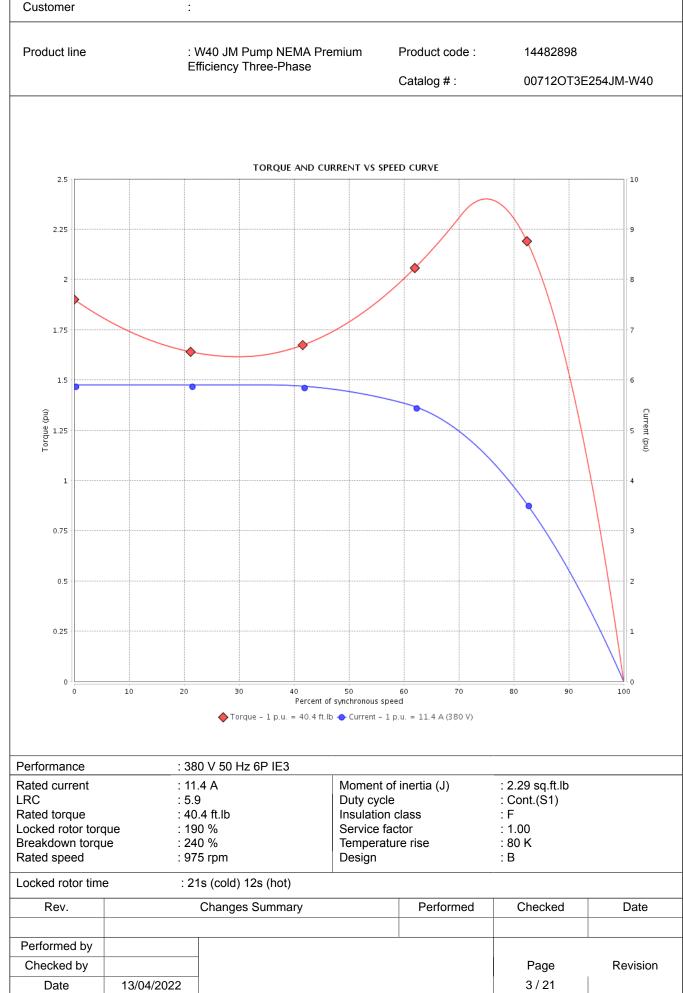
Power Factor	%]] 	Efficiency Three-Phas : 254JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B 7.5 6 7.5 6 7.5 6 7.5 6 7.5 6 6 7.5 6 7.5 6 6 7.5 6 7.5 6 6 7.5 6 7.5 6 6 7.5 6 7.5 6 7.5 6 7.5 7.5 6 7.5 6 7.5 7.5 6 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5	5.9	Cata Cooling met Mounting Rotation ¹ Starting met Approx. weig Moment of in 7.5 6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K cold) 12s (hot)	thod ght ³	: IC01 - : F-1 : Both (C : Direct (C : 220 lb : 220 lb : 2.29 sc 5 0 0 1 0 0 1 0 5 0 4 0 0 4 0 0 1 0 5 0 0 1 0 5 0 0 1 0 5 0 0 1 0 5 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	CW and CCW) On Line q.ft.lb 7.5 6 50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Insulation class Duty cycle Ambient temperature Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A]R. Amperes [A]R. Amperes [A]R. Amperes [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] .ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	%]] 	: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B 7.5 6 6 60 230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		Mounting Rotation ¹ Starting met Approx. wei Moment of i 7.5 6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	thod ght ³ nertia (J) 7.5 6 6 50 400 11. 71. 6.4x(Co 5.8 975 2.5 2.5 40. 210 210 210 210 210 210	: F-1 : Both (C : Direct 0 : 220 lb : 2.29 sc 5 5 0 0 1 0 0 1 0 0 1 0 0 5 0 0 4 0 0 0 4 0 0 0 0 0 0 0 0 0 0	CW and CCW) On Line q.ft.lb 7.5 6 50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A]R. Amperes [A]R. Amperes [A]R. [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] .ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Freiter factor Femperature rise .ocked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	%]] 	: 1000 m.a.s.l. : IP23 : B 7.5 6 60 230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		Approx. wei Moment of i 7.5 6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	ght ³ nertia (J) 7.5 6 50 400 111. 71. 6.4x(Co 5.8 975 2.5 2.5 40. 211 210 210 210 210	: 220 lb : 2.29 so 5 0 0 1 0 0 1 0 0 0 5 0 0 4 0 0 0 1 0 0 5 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	q.ft.lb 7.5 6 50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Pooles Frequency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] Ocked rotor torque [%] Ocked rotor time Ocked rotor time Ocked rotor (%) <tr< td=""><td>25% 50%</td><td>6 60 230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)</td><td></td><td>6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K</td><td>6 50 400 11. 71. 6.4x(Co 5.8 97 2.5 2.5 40. 210 200 1.0</td><td>0 0 1 0 0 0 0 5 0 4 0 0 0 0 0</td><td>6 50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290</td></tr<>	25% 50%	6 60 230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	6 50 400 11. 71. 6.4x(Co 5.8 97 2.5 2.5 40. 210 200 1.0	0 0 1 0 0 0 0 5 0 4 0 0 0 0 0	6 50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Poles Frequency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] Decked rotor torque [%] Decked rotor time Noise level ² Efficien	25% 50%	6 60 230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		6 50 380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	6 50 400 11. 71. 6.4x(Co 5.8 97 2.5 2.5 40. 210 200 1.0	0 0 1 0 0 0 0 5 0 4 0 0 0 0 0	50 415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] .ocked rotor torque [%] Breakdown torque [%] Service factor Temperature rise .ocked rotor time Noise level ² Efficiency (%) Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	230/460 19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		380 11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	400 111. 71. 6.4x(Co 5.8 975 2.5 40. 210 210 260 1.0	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	415 11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
Rated current [A] R. R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] cocked rotor torque [%] Breakdown t	25% 50%	19.9/9.94 133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		11.4 67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	11. 71. 6.4x(Co 5.8 975 2.5 2.5 40. 210 260 1.0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.0 74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
R. Amperes [A] RC [A] RC [A] Io load current [A] Rated speed [RPM] Sted speed [RPM] Sted torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Service factor emperature rise ocked rotor time loise level ² Efficiency (%) Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	133/66.6 6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		67.3 9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	71. 6.4x(Co 5.8 975 2.5 40. 211 260 1.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	74.8 6.8x(Code J) 6.10 980 2.00 40.2 229 290
RC [A] lo load current [A] lated speed [RPM] lip [%] cated torque [ft.lb] ocked rotor torque [%] reakdown torque [%] ervice factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	6.7x(Code H) 10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		9x(Code G) 5.30 975 2.50 40.4 190 240 1.00 80 K	6.4x(Co 5.8 975 2.5 40. 211 260 1.0	ode H) 0 5 0 4 0 0 0 0 0	6.8x(Code J) 6.10 980 2.00 40.2 229 290
RC [A] lo load current [A] lated speed [RPM] lip [%] cated torque [ft.lb] ocked rotor torque [%] reakdown torque [%] ervice factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		5.30 975 2.50 40.4 190 240 1.00 80 K	5.8 979 2.5 40. 210 210 260 1.0	0 5 0 4 0 0 0	6.10 980 2.00 40.2 229 290
lo load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Gervice factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	10.8/5.40 1180 1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)		5.30 975 2.50 40.4 190 240 1.00 80 K	975 2.5 40. 210 260 1.0	5 0 4 0 0 0 0 0	6.10 980 2.00 40.2 229 290
Rated speed [RPM] Slip [%] Rated torque [ft.lb] cocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Gervice factor emperature rise cocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	1.67 33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (0	2.50 40.4 190 240 1.00 80 K	2.5 40. 210 260 1.0	0 4 0 0	2.00 40.2 229 290
Slip [%] Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Service factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	33.4 260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (c	40.4 190 240 1.00 80 K	40. 210 260 1.0	4 0 0 0	40.2 229 290
Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Bervice factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	260 300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (c	190 240 1.00 80 K	210 260 1.0	0	229 290
Breakdown torque [%] Gervice factor emperature rise cocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	300 1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (d	240 1.00 80 K	260	0	290
Service factor emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	25% 50%	1.25 80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (d	1.00 80 K	1.0		
emperature rise ocked rotor time loise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	50%	80 K 28s (cold) 16s (hot) 59.0 dB(A)	21s (0	80 K		0	
ocked rotor time loise level² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	50%	28s (cold) 16s (hot) 59.0 dB(A)	21s (d		80		1.00
Ioise level² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount	50%	59.0 dB(A)	21s (d	old) 120 (hot)	00	K	80 K
Efficiency (%)	50%			Joid) 125 (1101)	21s (cold)	12s (hot)	19s (cold) 11s (hot)
Power Factor Bearing type Sealing Lubrication interval Lubricant amount	50%	86.6					
Power Factor Bearing type Sealing Lubrication interval Lubricant amount				87.4	87.		87.1
Power Factor Bearing type Sealing Lubrication interval Lubricant amount		87.5		87.6	87.	9	87.3
Power Factor Bearing type Sealing Lubrication interval Lubricant amount	75%	89.5		88.0	88.	0	88.0
Bearing type Sealing Lubrication interval Lubricant amount	100%	90.2		88.0	88.	0	88.0
Bearing type Sealing Lubrication interval Lubricant amount	25%	0.34	0.40		0.3	6	0.33
Bearing type Sealing Lubrication interval Lubricant amount	50%	0.58		0.65	0.6	1	0.58
Bearing type Sealing Lubrication interval Lubricant amount	75%	0.70		0.77	0.7	4	0.71
Sealing Lubrication interval Lubricant amount	100%	0.77		0.83	0.8	1	0.79
		: 6309 Z C3 620 : Without W Bearing Seal Bear : 20000 h 20	<u>ive end</u> 9 Z C3 ithout ing Seal 000 h 9 g EM	Foundation lo Max. traction Max. compre)		
Notes USABLE @208V 22.	0A SF 1.	15 SFA 25.3A		1			
This revision replaces must be eliminated. (1) Looking the motor (2) Measured at 1m a (3) Approximate weig manufacturing proces (4) At 100% of full loa	r from the and with t Jht subjec ss.	olerance of +3dB(A).	hich				ts with sinusoidal stipulated in NEMA
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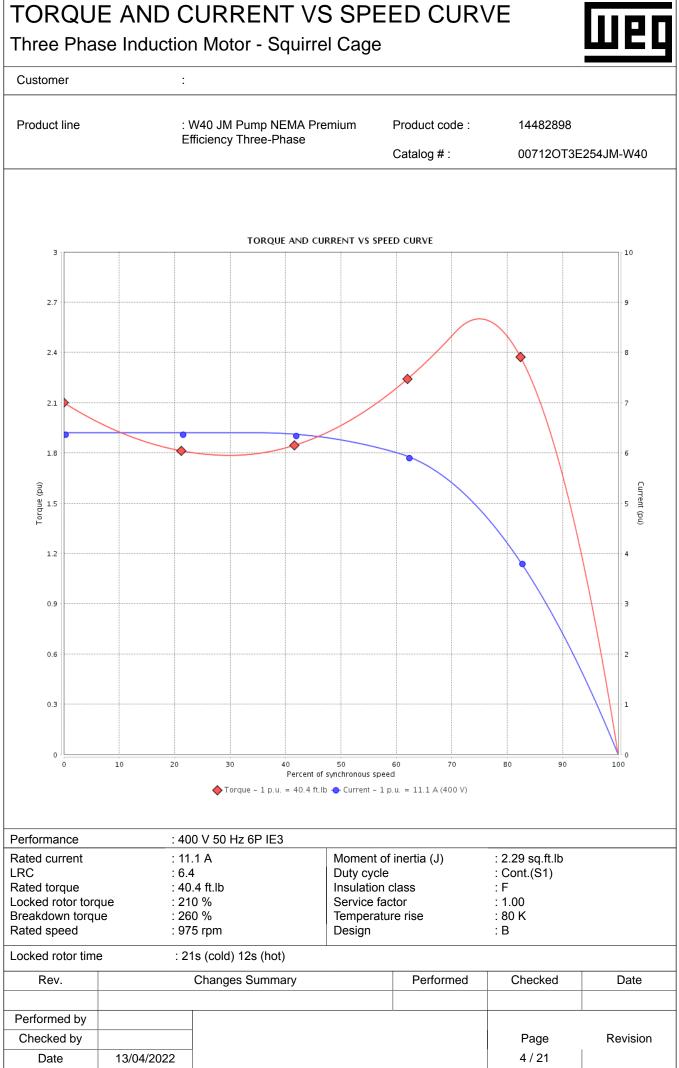
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



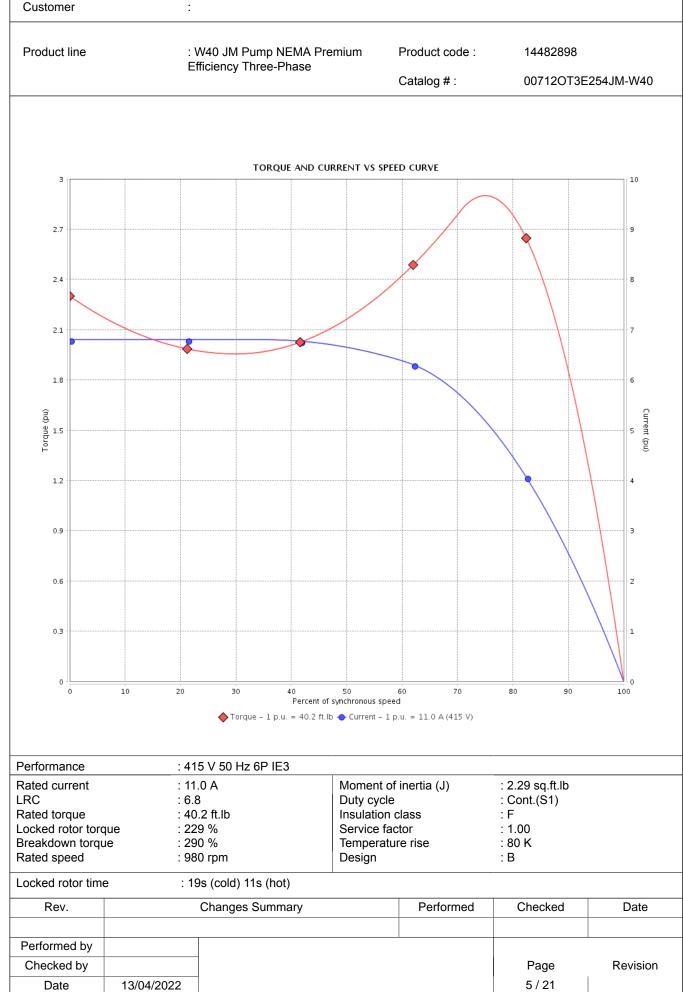
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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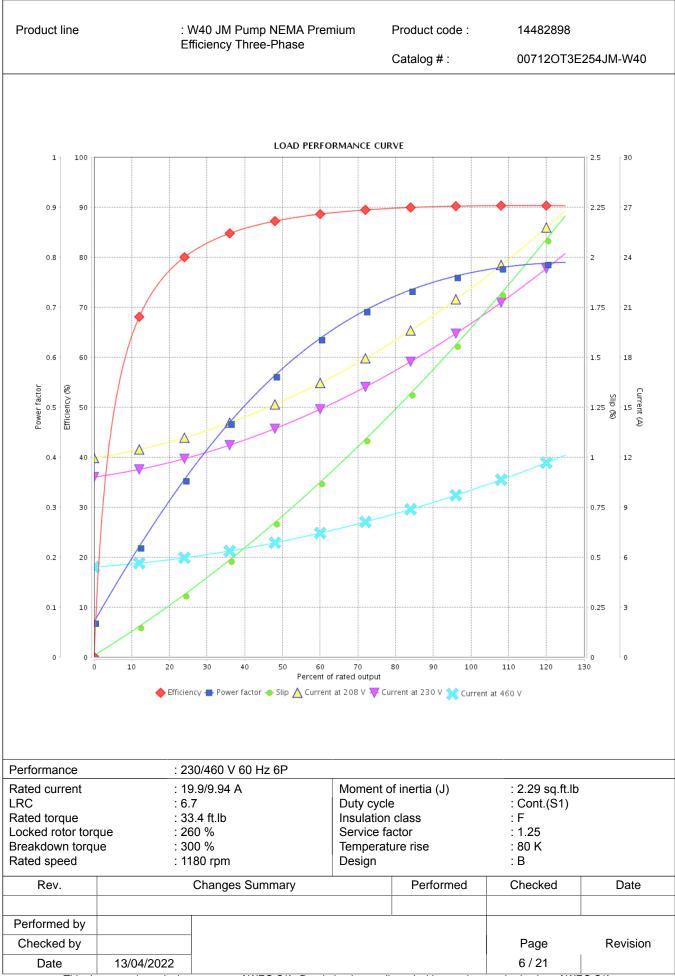
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Three Phase Induction Motor - Squirrel Cage

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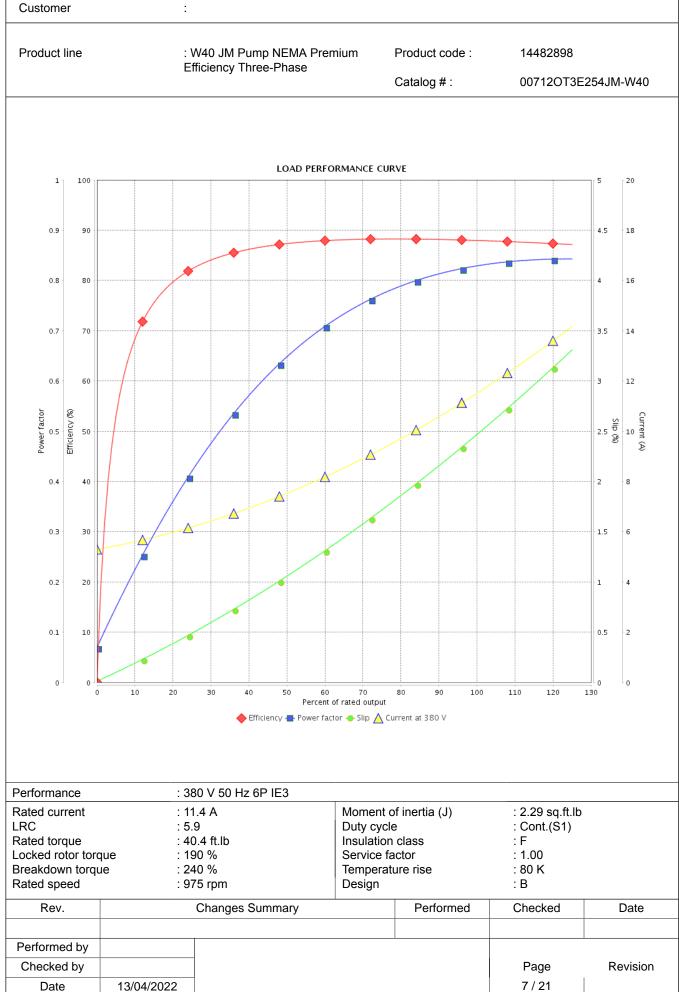


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Three Phase Induction Motor - Squirrel Cage

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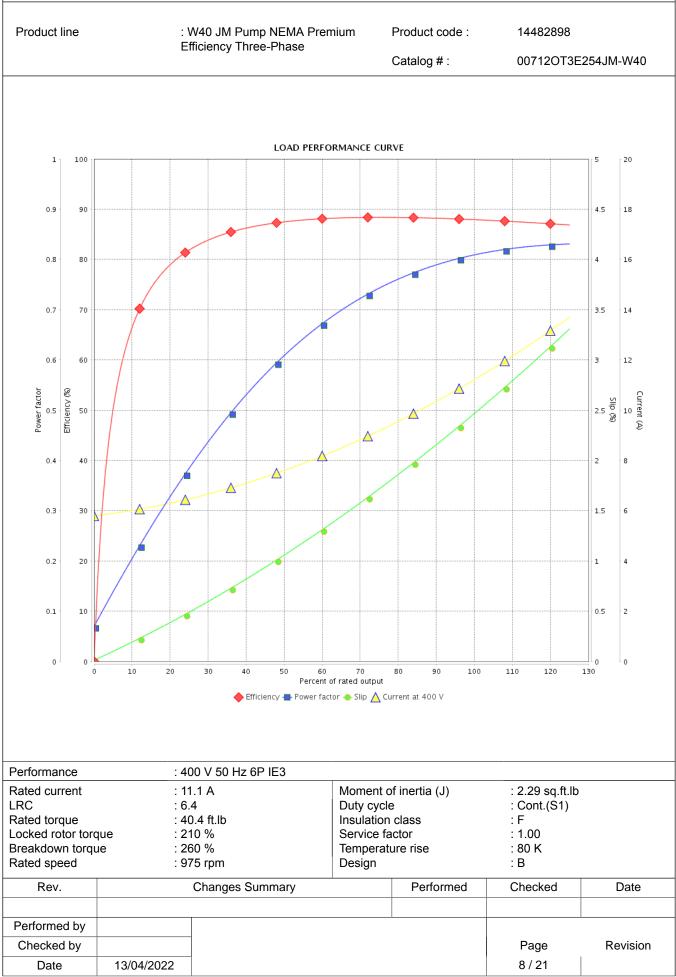
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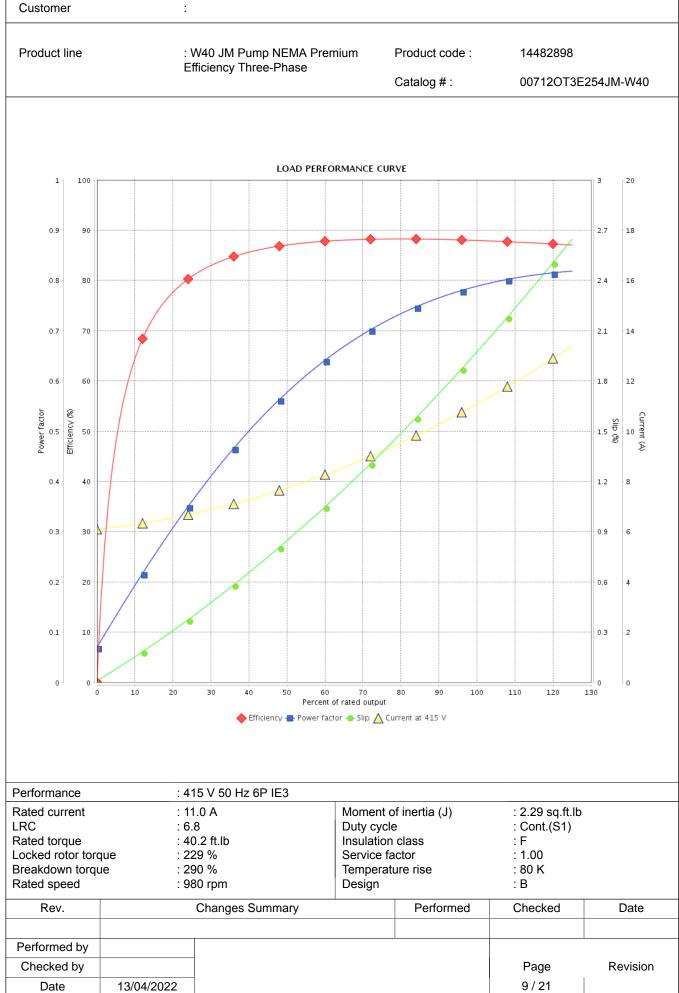


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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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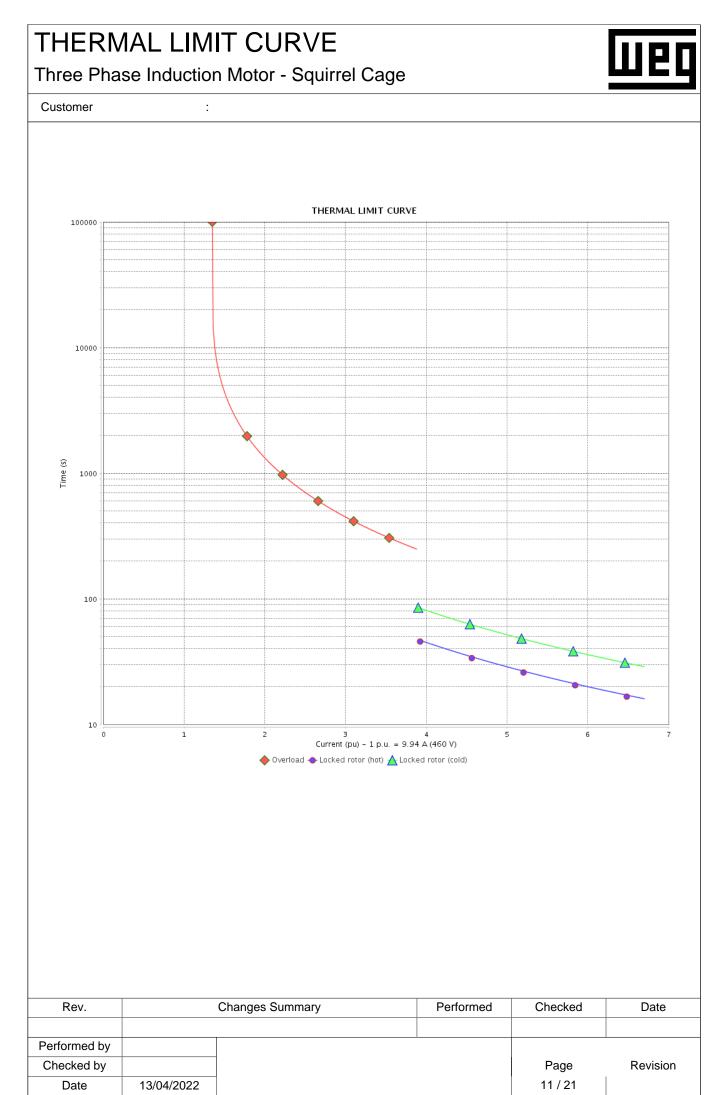


Customer

Product line		: W40 JM Pump NEMA Premium		Product code :	14482898		
	Ef	ficiency Three-Phase	Catalog # :		00712OT3E254JM-W40		
				-			
Performance	: 23	30/460 V 60 Hz 6P					
Rated current		9.9/9.94 A	Moment o	f inertia (J)	: 2.29 sq.ft.lb		
LRC	: 6.	7	Duty cycle	9	: Cont.(S1)		
Rated torque		3.4 ft.lb	Insulation class		: F		
Locked rotor toro Breakdown torqu		60 % 00 %	Service factor		: 1.25 : 80 K		
Rated speed		80 rpm	Temperature rise Design		: B		
		•					
Heating constan							
Cooling constan Rev.		Changes Summary		Performed	Checked	Date	
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THERMAL LIMIT CURVE

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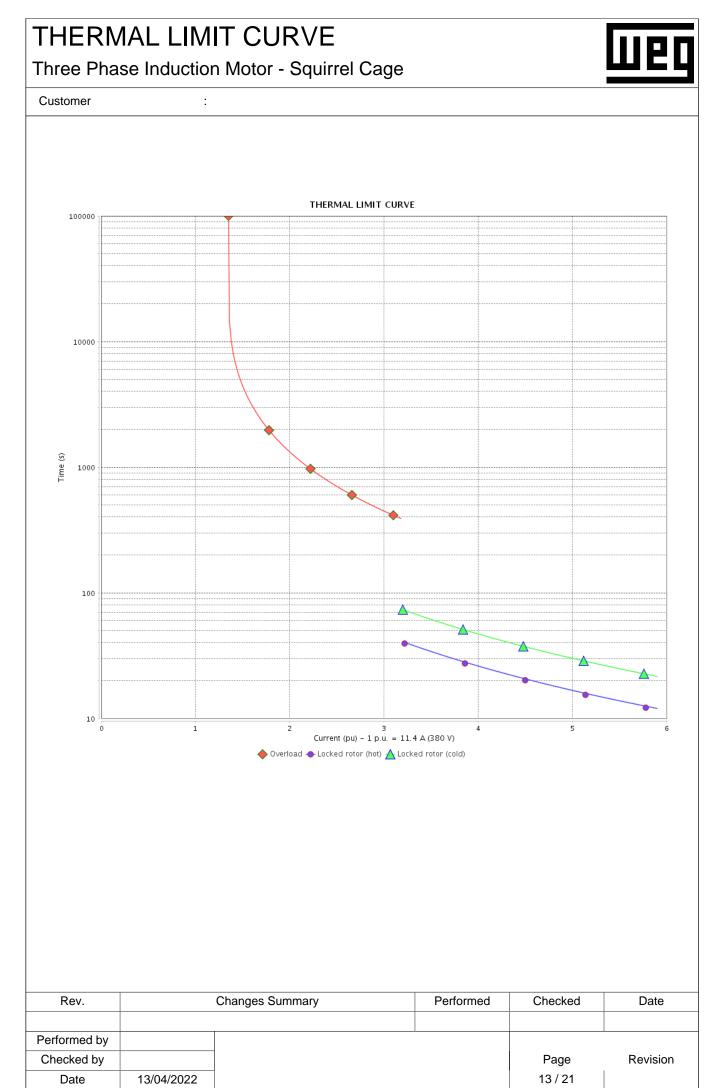


Customer

Product line		: W40 JM Pump NEMA Premium		Product code :	14482898		
	Ef	ficiency Three-Phase	Catalog # :		00712OT3E254JM-W40		
Performance	: 38	30 V 50 Hz 6P IE3					
Rated current		.4 A	Moment o	f inertia (J)	: 2.29 sq.ft.lb		
LRC	: 5.		Duty cycle	;	: Cont.(S1)		
Rated torque		0.4 ft.lb	Insulation class Service factor		: F : 1.00		
Locked rotor toro Breakdown torqu		90 % 40 %			: 1.00 : 80 K		
Rated speed		75 rpm	Temperature rise Design		: B		
		•	- 0				
Heating constant							
Cooling constant		Ohan and Our		Darfar		Def	
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 12 / 21

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THERMAL LIMIT CURVE

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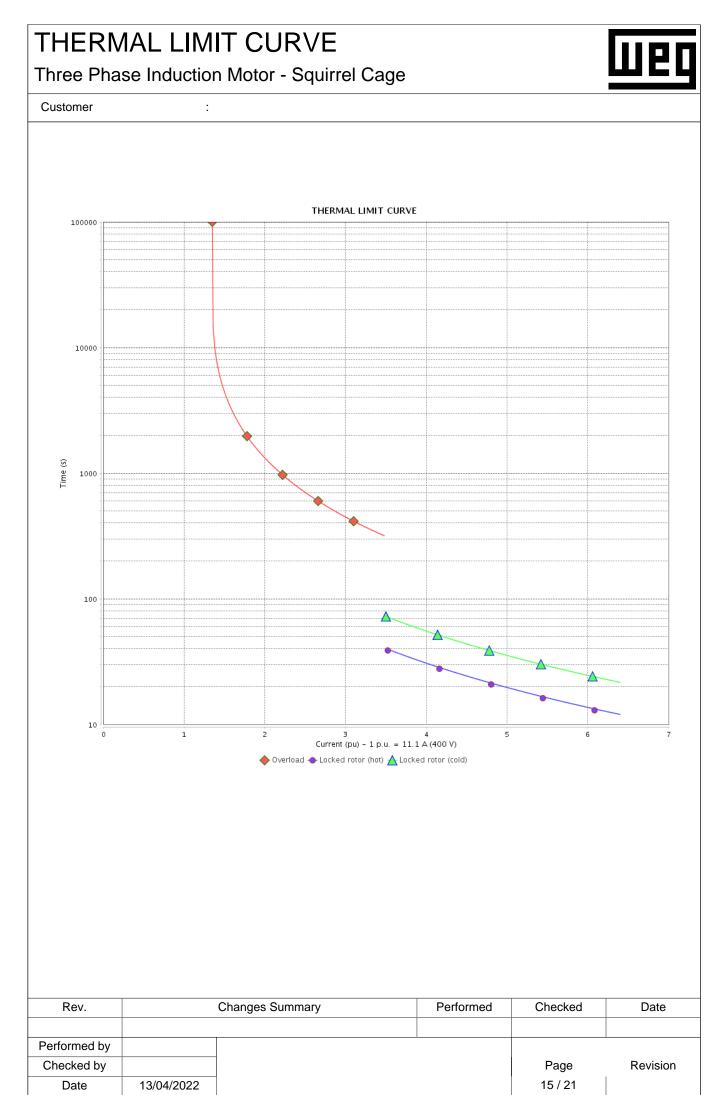
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Customer

Product line		: W40 JM Pump NEMA Premium		Product code :	14482898	14482898		
	E	Efficiency Three-Phase		Catalog # :	00712OT3E2	54JM-W40		
Performance		00 V 50 Hz 6P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque		1.1 A .4 0.4 ft.lb 10 % 60 % 75 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 2.29 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by		_			Page	Revision		
Date	13/04/2022				14 / 21			

e 13/04/2022 14 / 21 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



THERMAL LIMIT CURVE

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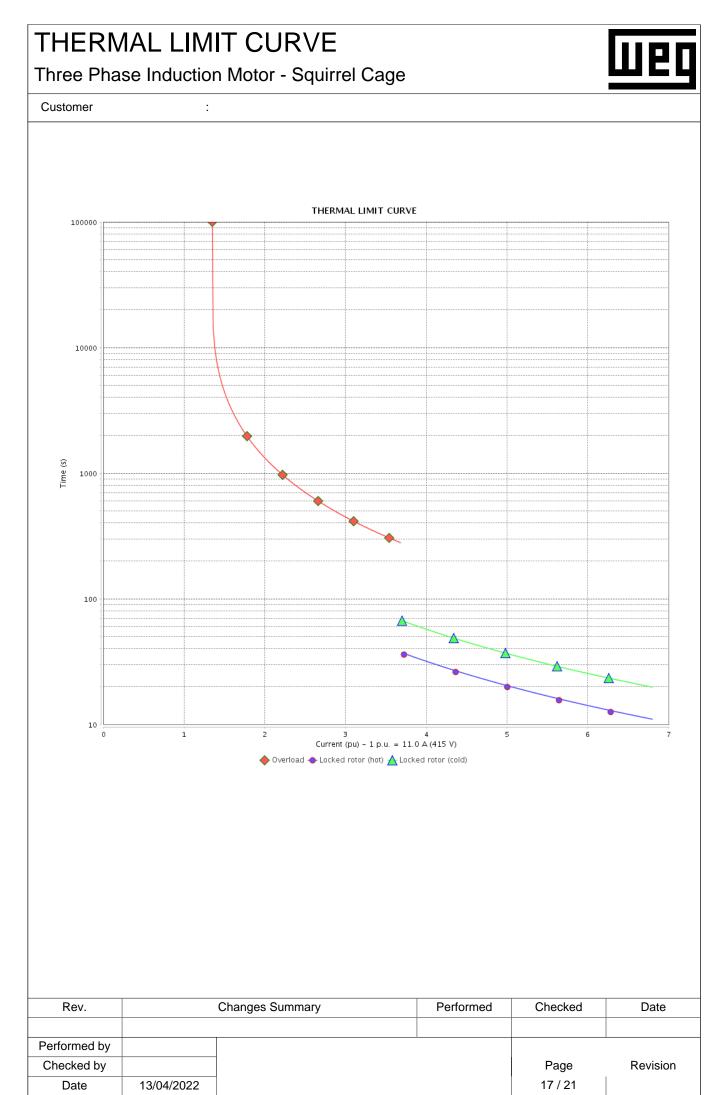
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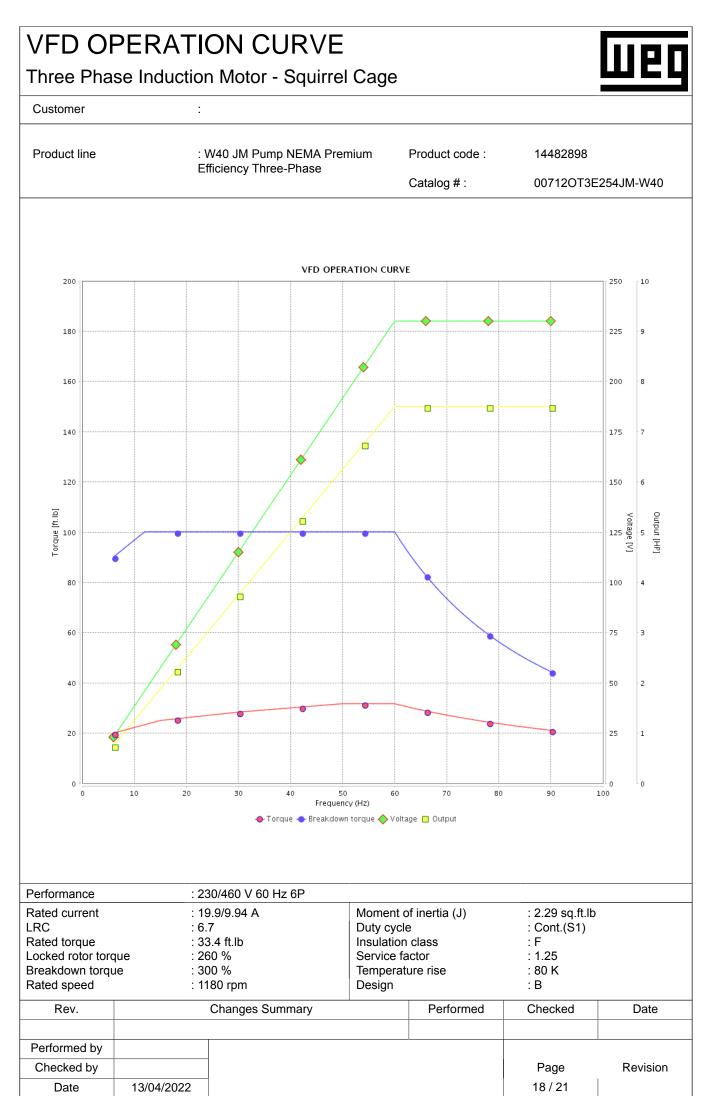


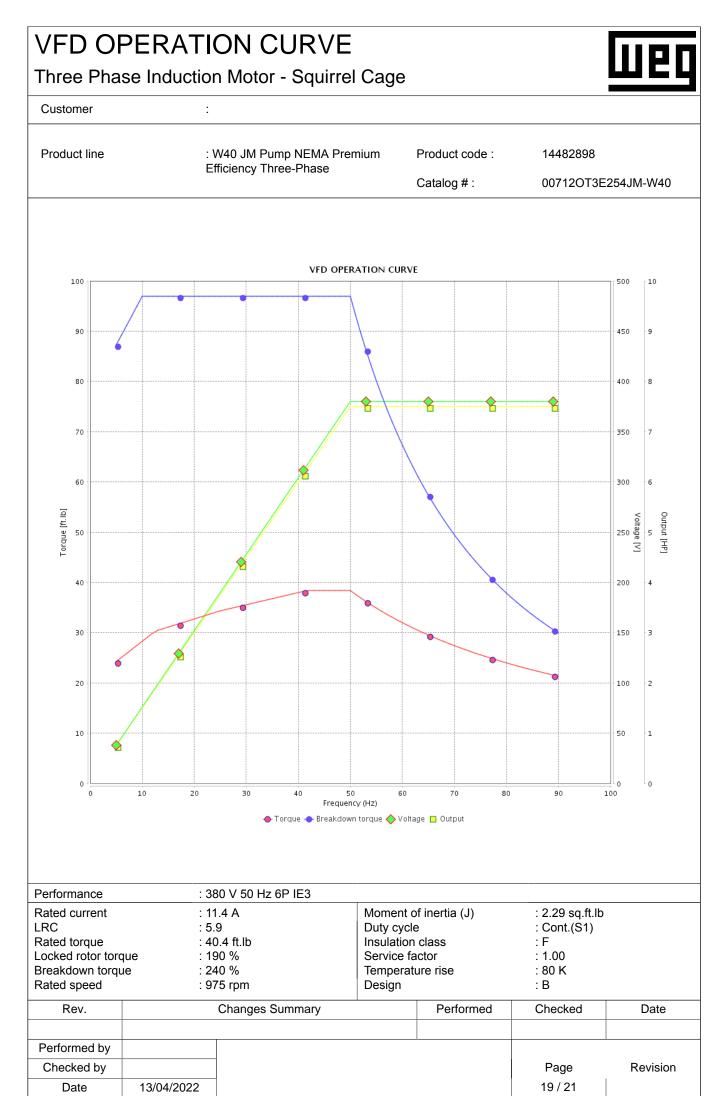
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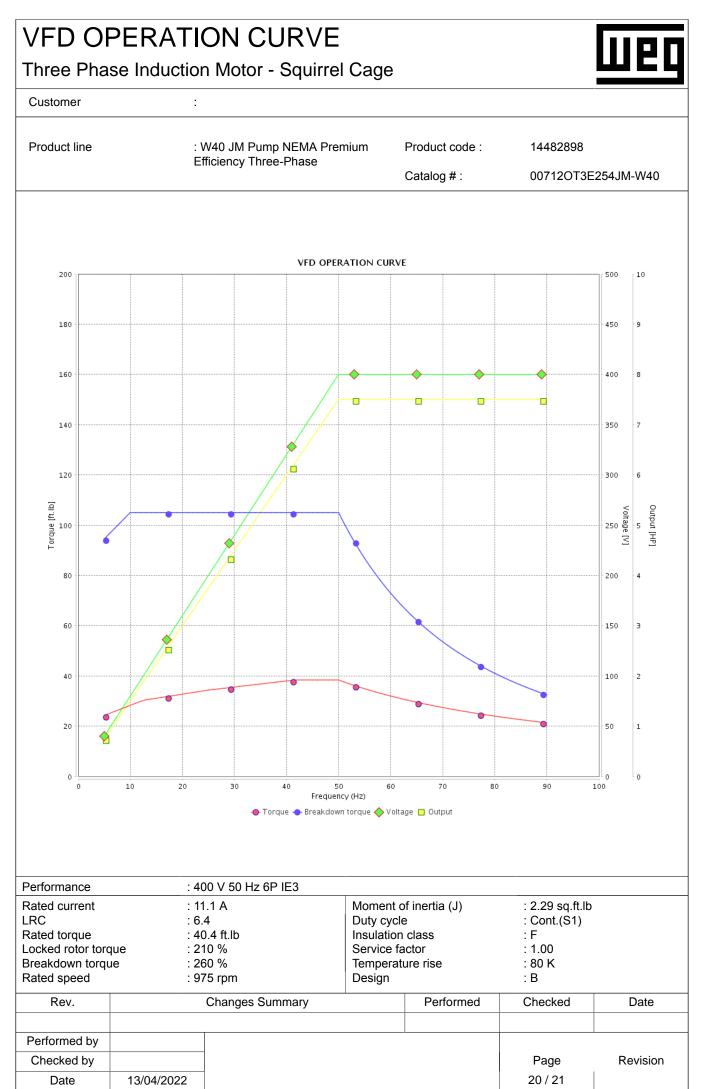
Product line		: W40 JM Pump NEMA Premium		Product code :	14482898	14482898		
	E	fficiency Three-Phase		Catalog # :	00712OT3E2	00712OT3E254JM-W40		
Performance	: 4	15 V 50 Hz 6P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 6.8 D : 40.2 ft.lb In : 229 % S		f inertia (J) e class lotor ure rise	: 2.29 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant								
Cooling constant		Ohan and Out		Darfa				
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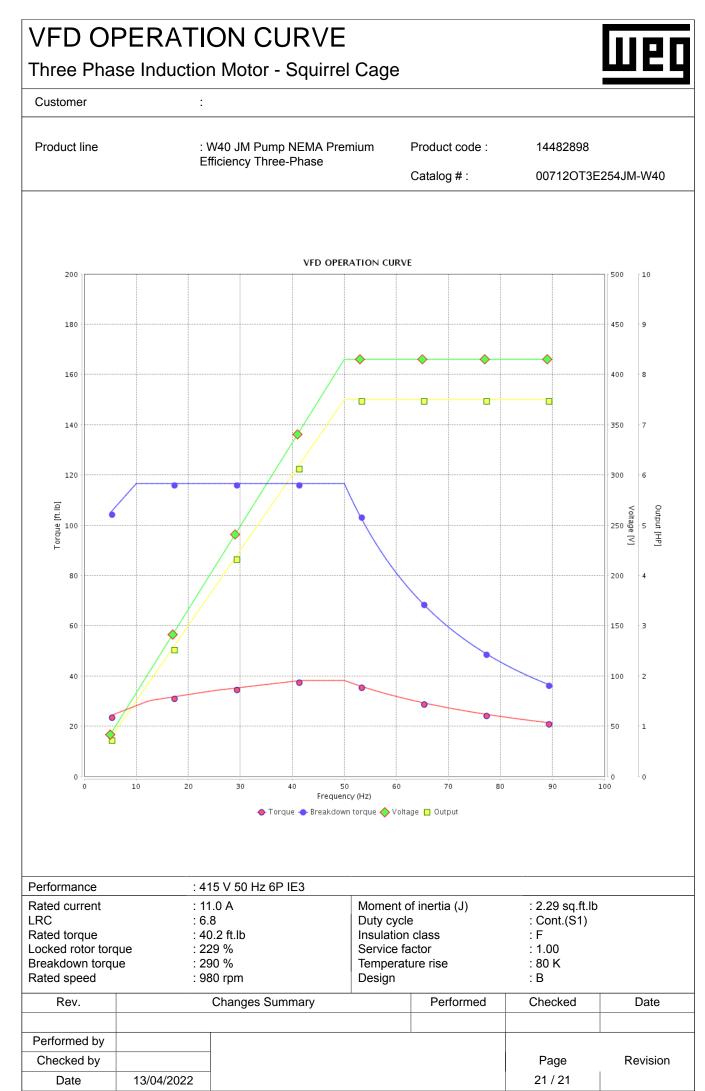
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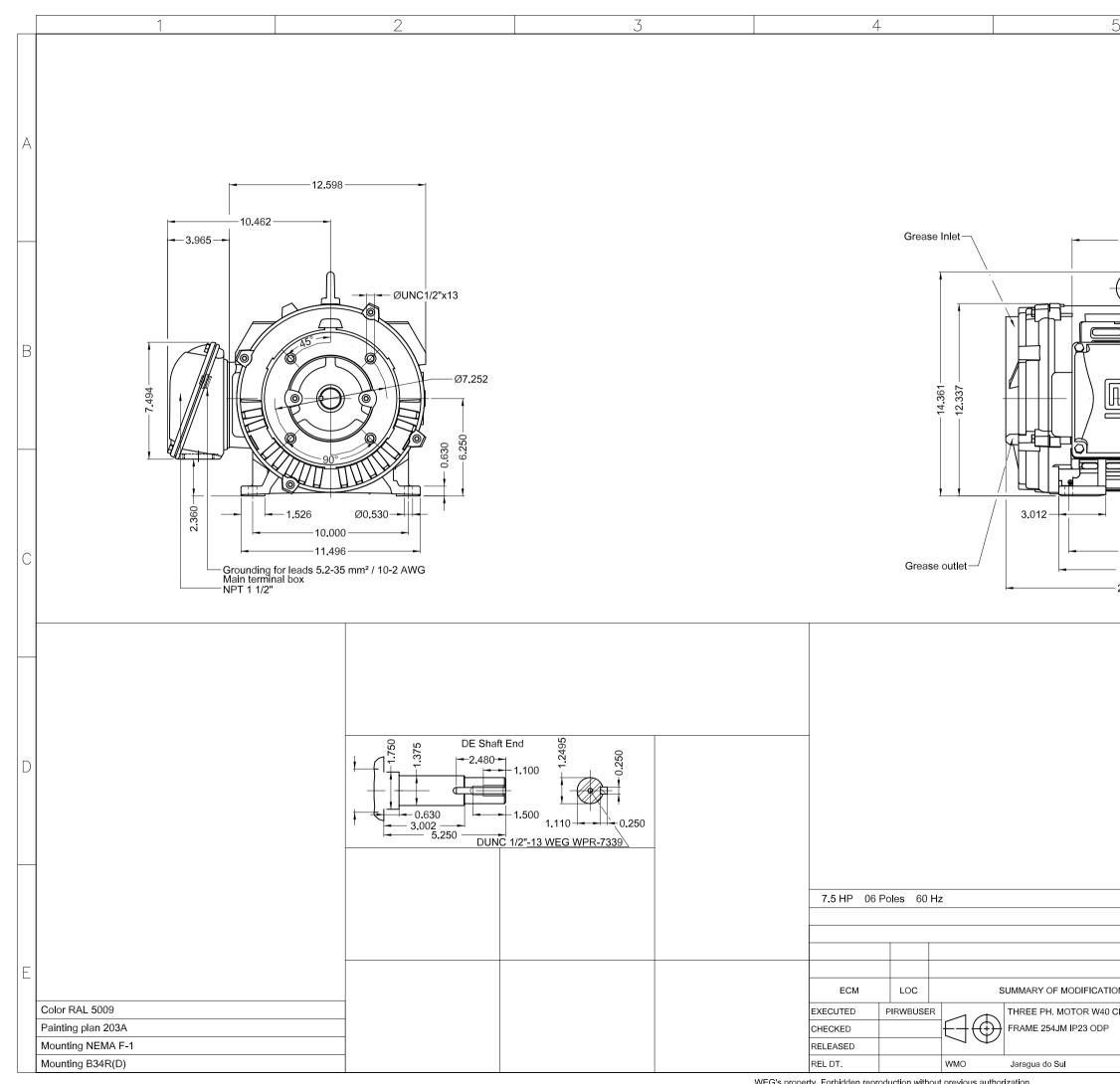












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