# DATA SHEET

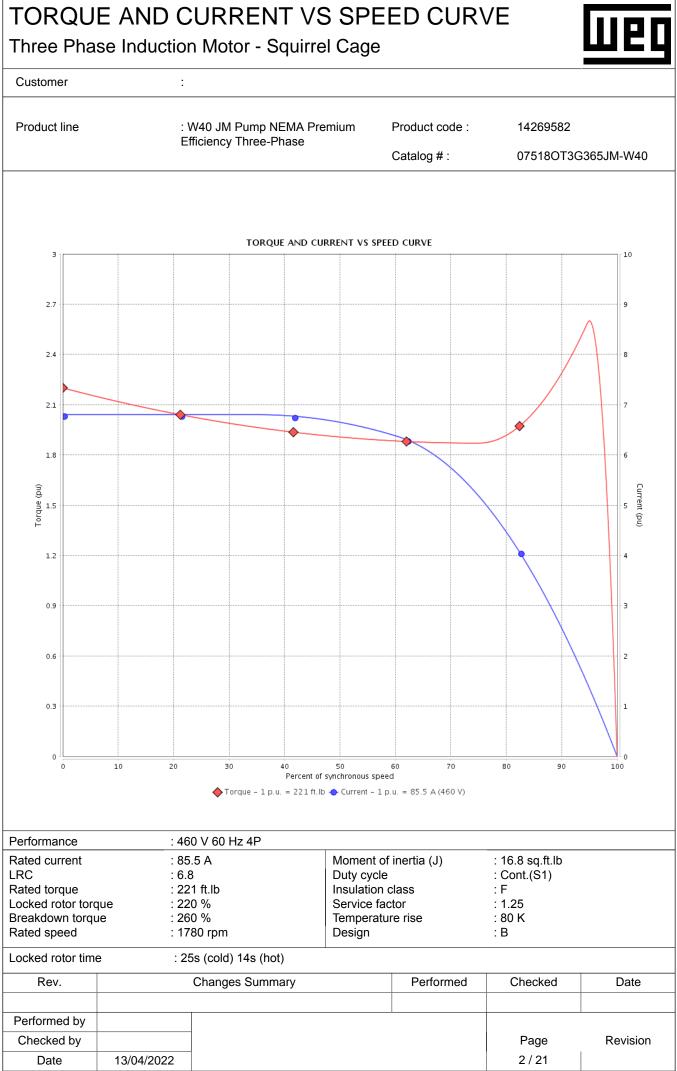
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

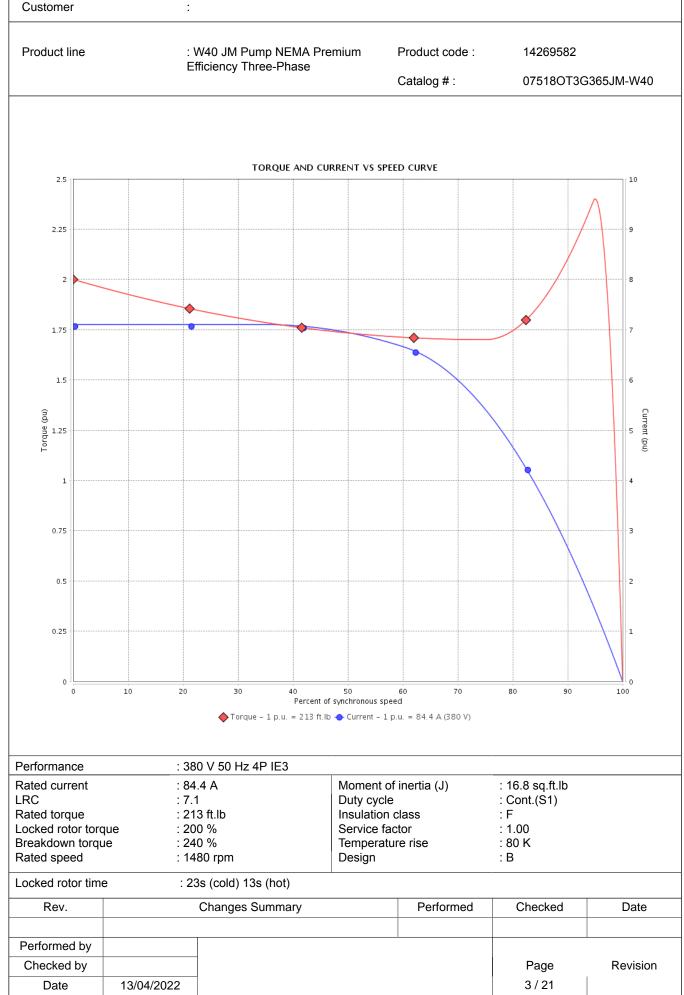
Frame         Insulation class         Duty cycle         Ambient temperature         Altitude         Protection degree         Design         Output [HP]         Poles         Frequency [Hz]         Rated voltage [V]         Rated current [A]         L. R. Amperes [A]         LRC [A]         No load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         Locked rotor torque [%]         Breakdown torque [%]         Breakdown torque [%]         Service factor         Temperature rise         Locked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         25%         Power Factor         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canon         muf acturing process.         (4) At 100% of full load.         Rev.	: W40 JM Pump NEMA Premium Efficiency Three-Phase			Product code :		14269582	
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] R. [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.			Catal	log # :	075180	OT3G365JM-W40	
Duty cycle Ambient temperature Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A]R. Amperes [A]Amperes [A]	: 364/5JM		Cooling meth	nod	: IC01 -	ODP	
Ambient temperature Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A]R. Amperes [A]Rev	: F		Mounting		: F-1		
Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A]R. Amperes [A] RC [A] Io load current [A] Rated speed [RPM] Bip [%] Rated torque [ft.lb] Ocked rotor torque [%] Breakdown torque [%] B	: Cont.(S1)			Rotation <sup>1</sup>		CW and CCW)	
Protection degree Design Dutput [HP] Poles requency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] lo load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] ocked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Power Factor Power Factor Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can- must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	: -20°C to +40°C		Starting meth		: Direct On Line		
Design         Dutput [HP]         Poles         requency [Hz]         Rated voltage [V]         Rated current [A]        R. Amperes [A]         RC [A]         Io load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         ocked rotor torque [%]         Breakdown torque [%]         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>			: 811 lb		
Dutput [HP]         Poles         Frequency [Hz]         Rated voltage [V]         Rated current [A]         R. Amperes [A]         Rev.         Base in g         Dever Factor         Dower Factor	: IP23 : B		Moment of in	ertia (J)	: 16.8 s	sq.ft.lb	
Poles       Image of the second state of the s	75		60	60		60	
requency [Hz]         Rated voltage [V]         Rated current [A]         R. Amperes [A]         R. [A]         No load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         ocked rotor torque [%]         Breakdown torque [%]         Bearing type         Selling         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and can- must be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	4		4	4		4	
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 [%]         Breakdown torque [%]         Breakdown torque [%]         Breakdown torque [%]         Bervice factor         emperature rise         ocked rotor time         Noise level <sup>2</sup> 25%         50%         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	60		50	50		50	
Rated current [A]        R. Amperes [A]        R. Amperes [A]        R. [A]         Io load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]        ocked rotor torque [%]         Breakdown torque [%]         Breakdown torque [%]         Breakdown torque [%]         Service factor         emperature rise        ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and can-         manufacturing process.         (4) At 100% of full load.         Rev.         In Advitu tool         Rev.	460		380	400		415	
. R. Amperes [A]         . RC [A]         Io load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         . ocked rotor torque [%]         Breakdown torque [%]         Breakdown torque [%]         Breakdown torque [%]         Breakdown torque [%]         Service factor         Temperature rise         . ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         Power Factor         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and can-         must be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject         manufacturing process.         (4) At 100% of full load.         Rev.	85.5		84.4	82.		80.1	
RC [A]       Image: Constraint of the second s	581		599	591		609	
No load current [A]         Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         cocked rotor torque [%]         Breakdown torque [%]         Service factor         emperature rise         cocked rotor time         Joise level <sup>2</sup> Efficiency (%)         75%         100%         Power Factor         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	6.8x(Code G)	7 1	x(Code H)	7.2x(Co		7.6x(Code J)	
Rated speed [RPM]         Slip [%]         Rated torque [ft.lb]         cocked rotor torque [%]         Breakdown torque [%]         Bearvice factor         Efficiency (%)         75%         100%         Power Factor         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	. ,	1.1					
Slip [%]         Rated torque [ft.lb]         .ocked rotor torque [%]         Breakdown torque [%]         Service factor         emperature rise         .ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         Power Factor         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	30.5		28.5	33.		36.1	
Rated torque [ft.lb]         .ocked rotor torque [%]         Breakdown torque [%]         Breakdown torque [%]         Service factor         Femperature rise         .ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	1780		1480	148		1484	
ocked rotor torque [%]         Breakdown torque [%]         Breakdown torque [%]         Service factor         Temperature rise         ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         Power Factor         25%         50%         75%         100%         Searing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	1.11		1.33	1.20		1.07	
Breakdown torque [%]         Service factor         imperature rise         locked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and cannust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	221		213	213		212	
Service factor emperature rise ocked rotor time Noise level <sup>2</sup> Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can- must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	220		200	229		250	
emperature rise         locked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and cannust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	260		240	260		280	
ocked rotor time         Noise level <sup>2</sup> Efficiency (%)         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and can must be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	1.25		1.00	1.00		1.00	
Noise level <sup>2</sup> 25%           Efficiency (%)         50%           75%         100%           Power Factor         25%           50%         50%           Power Factor         50%           Bearing type         58           Sealing         100%           Lubrication interval         100%           Lubricant amount         100%           Notes         100%           This revision replaces and can           must be eliminated.           (1) Looking the motor from the           (2) Measured at 1m and with to           (3) Approximate weight subject           manufacturing process.           (4) At 100% of full load.           Rev.	80 K		80 K	80 K		80 K	
Efficiency (%)       25%         50%       75%         100%       25%         Power Factor       50%         Power Factor       75%         100%       25%         Sealing       100%         Lubrication interval       100%         Lubrication interval       100%         Notes       75%         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	25s (cold) 14s (hot)	23s (c	cold) 13s (hot)	23s (cold) 2	13s (hot)	23s (cold) 13s (hot)	
Efficiency (%) 50% 75% 100% 25% 50% 75% 100% 8earing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	69.0 dB(A)						
Efficiency (%)       75%         100%       25%         Power Factor       50%         Power Factor       75%         100%       100%         Bearing type       58         Sealing       100%         Lubrication interval       100%         Lubricant amount       100%         Notes       100%         This revision replaces and canon       100%         Notes       100%         Call Approximate weight subject       100%         Rev.       100%	94.4		93.7	93.		93.7	
75%         100%         25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and cammust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	94.5		93.8	93.8		93.8	
25%         50%         75%         100%         Bearing type         Sealing         Lubrication interval         Lubricant amount         Lubricant type         Notes         This revision replaces and can must be eliminated.         (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	95.0		94.2	94.2		94.2	
Power Factor       50%         75%       100%         Bearing type       sealing         Sealing       100%         Lubrication interval       Lubricant amount         Lubricant amount       Lubricant type         Notes       75%         This revision replaces and canmust be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	95.0		94.2	94.2		94.2	
Power Factor       75%         100%       100%         Bearing type       Sealing         Lubrication interval       Lubricant amount         Lubricant amount       Lubricant type         Notes       Notes         This revision replaces and canmust be eliminated.         (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.	0.48		0.48	0.43		0.40	
75%       100%       Bearing type       Sealing       Lubrication interval       Lubricant amount       Lubricant type       Notes   This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load.	0.73	0.73		0.69		0.66	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	0.82		0.82	0.80		0.77	
Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	0.85		0.86	0.84	4	0.83	
Sealing Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.		rive end	Foundation lo	ads			
Lubrication interval Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	: 6314 C3 621	2 Z C3	Max. traction		: 1632 II	C	
Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	: Without Wi	ithout	Max. compres	ssion	: 2443 lb		
Lubricant amount Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.		ing Seal	·				
Lubricant type Notes This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	: 20000 h 20	000 h					
Notes         This revision replaces and can must be eliminated.         (1) Looking the motor from the         (2) Measured at 1m and with to         (3) Approximate weight subject manufacturing process.         (4) At 100% of full load.         Rev.		13 g					
This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	: Mobil Polyrex E	EM					
This revision replaces and can must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	<del>.</del>		I				
must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.							
must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.							
must be eliminated. (1) Looking the motor from the (2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	col the provinue and with	hich	Those are an		acad an ton	ts with sinusoidal	
<ul> <li>(1) Looking the motor from the</li> <li>(2) Measured at 1m and with to</li> <li>(3) Approximate weight subject manufacturing process.</li> <li>(4) At 100% of full load.</li> </ul>	icei ine previous one, Wi					stipulated in NEMA	
(2) Measured at 1m and with to (3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.	shaft end		MG-1.		LUICI AI ICES		
(3) Approximate weight subject manufacturing process. (4) At 100% of full load. Rev.							
manufacturing process. (4) At 100% of full load. Rev.							
(4) At 100% of full load. Rev.	to onangoo aitoi						
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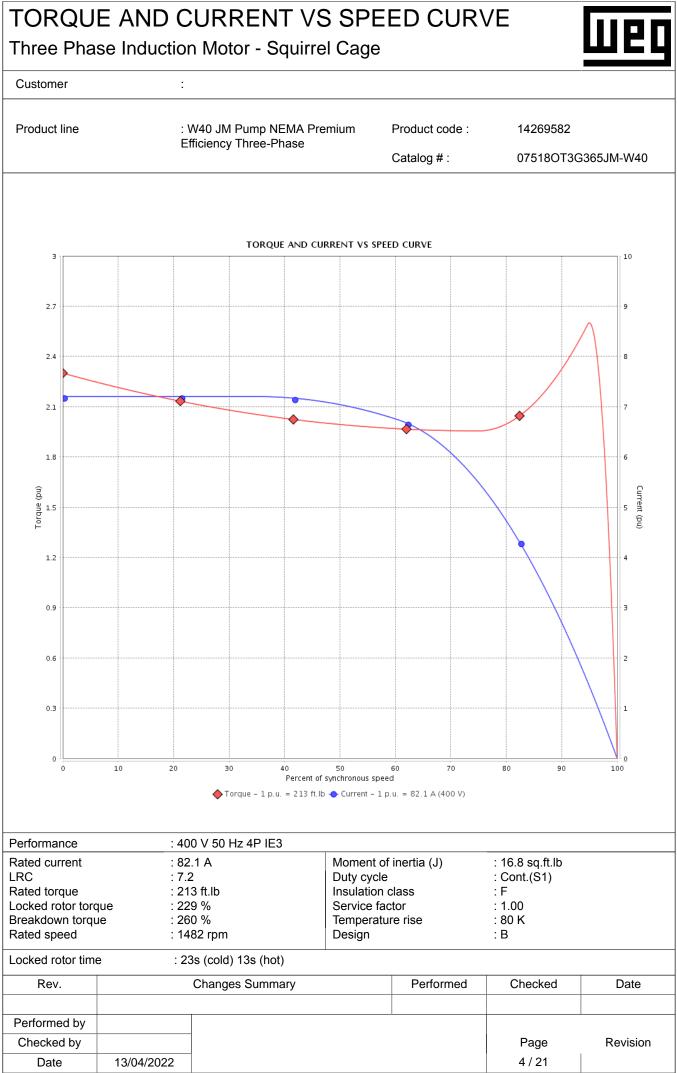
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



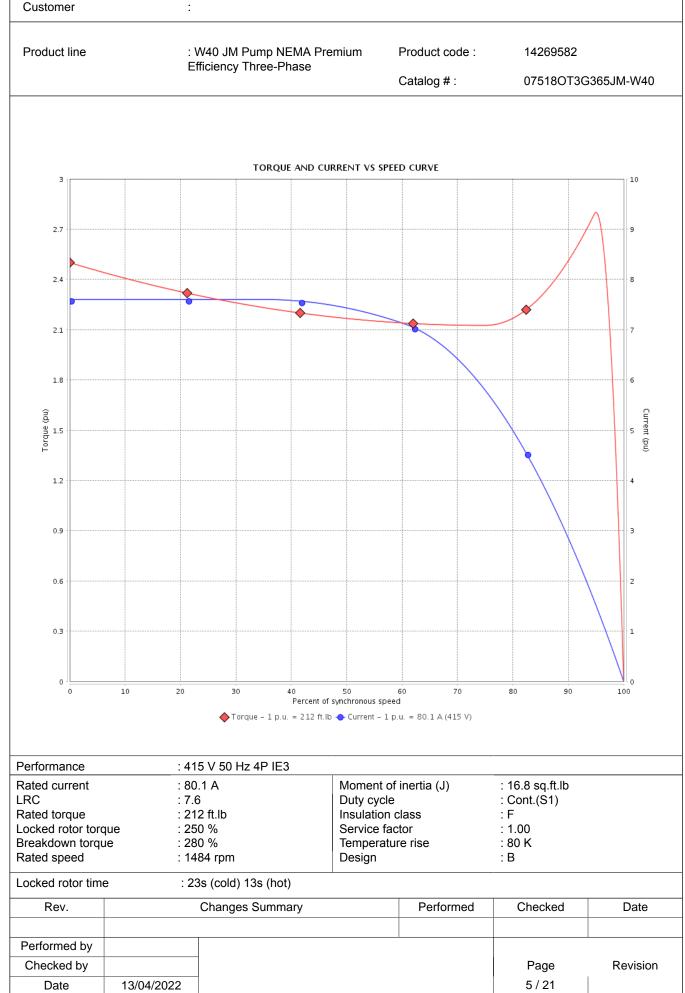
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### TORQUE AND CURRENT VS SPEED CURVE

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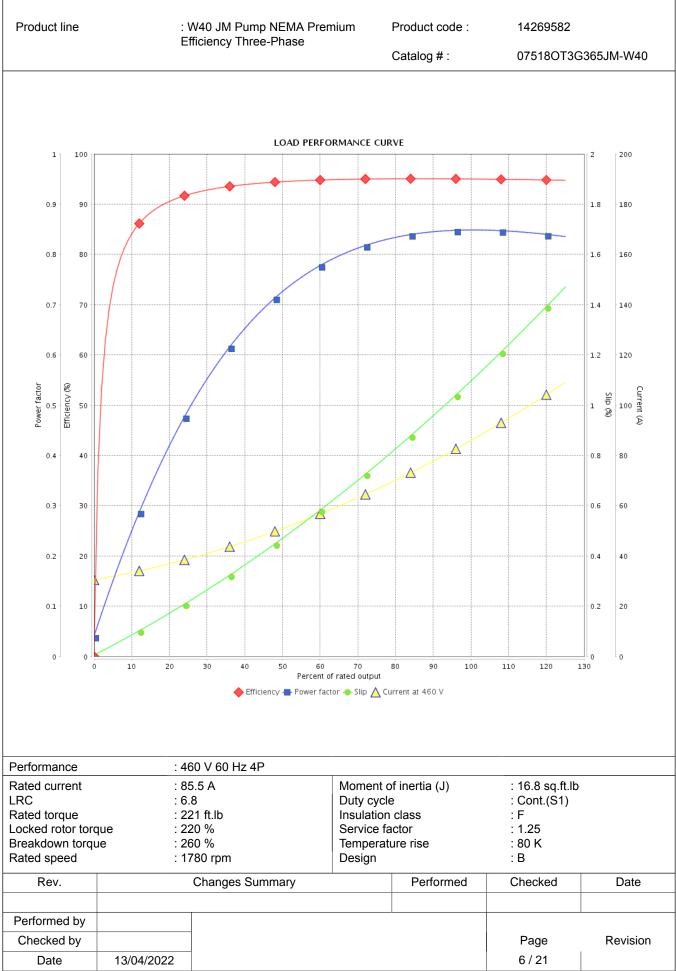
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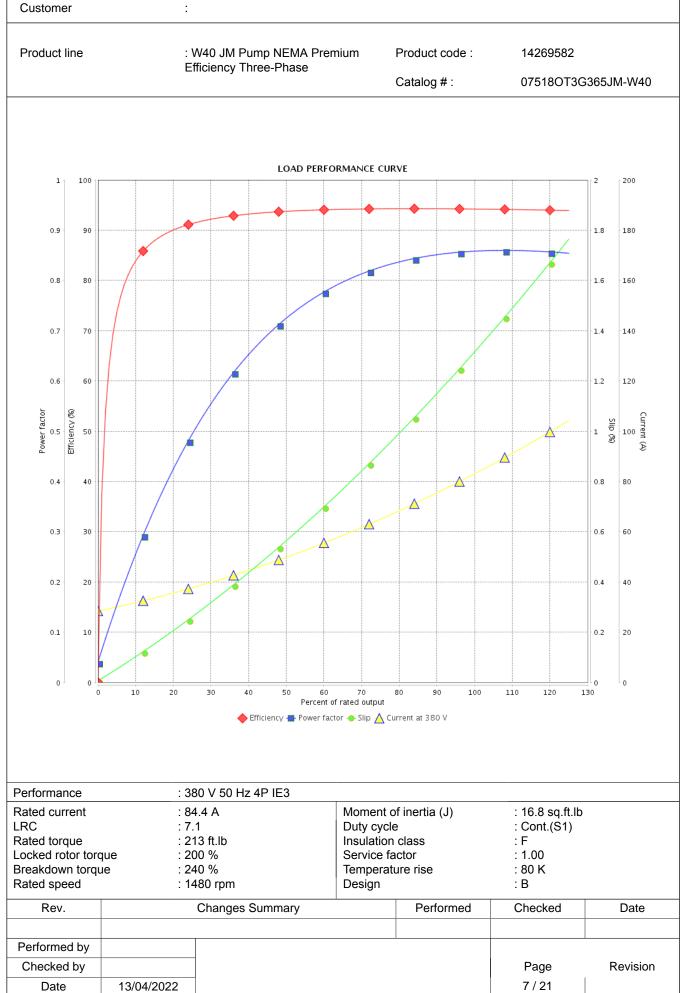


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Three Phase Induction Motor - Squirrel Cage

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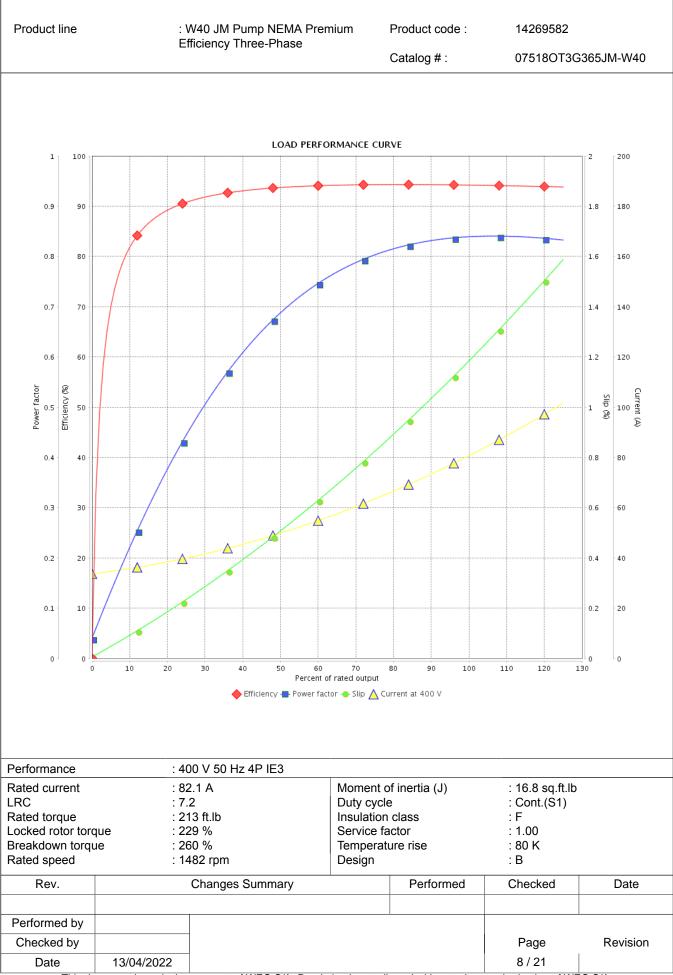
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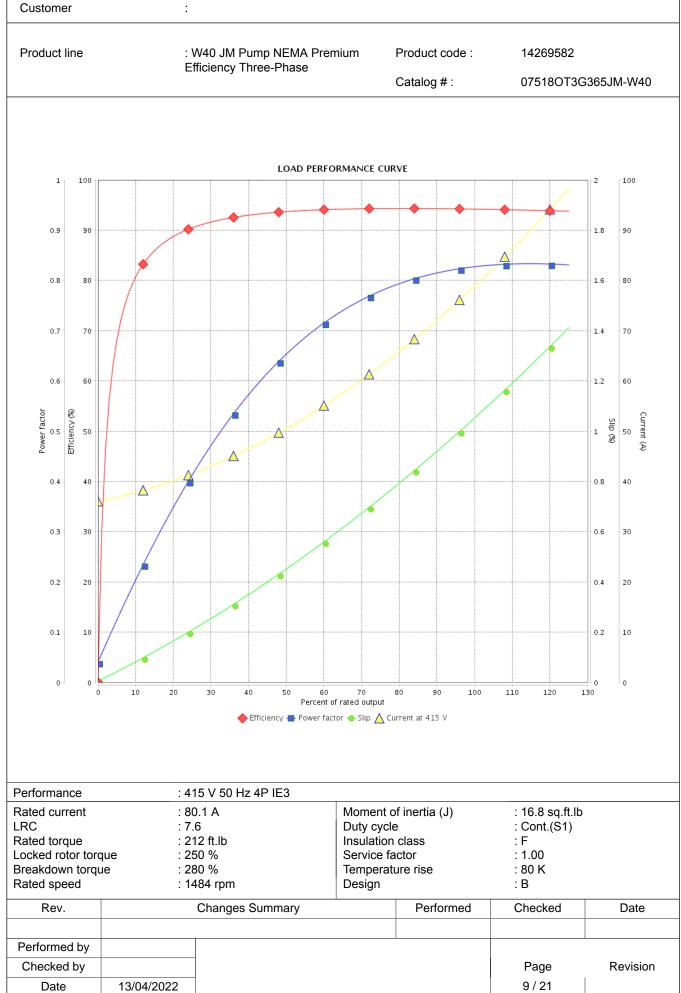


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Three Phase Induction Motor - Squirrel Cage

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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

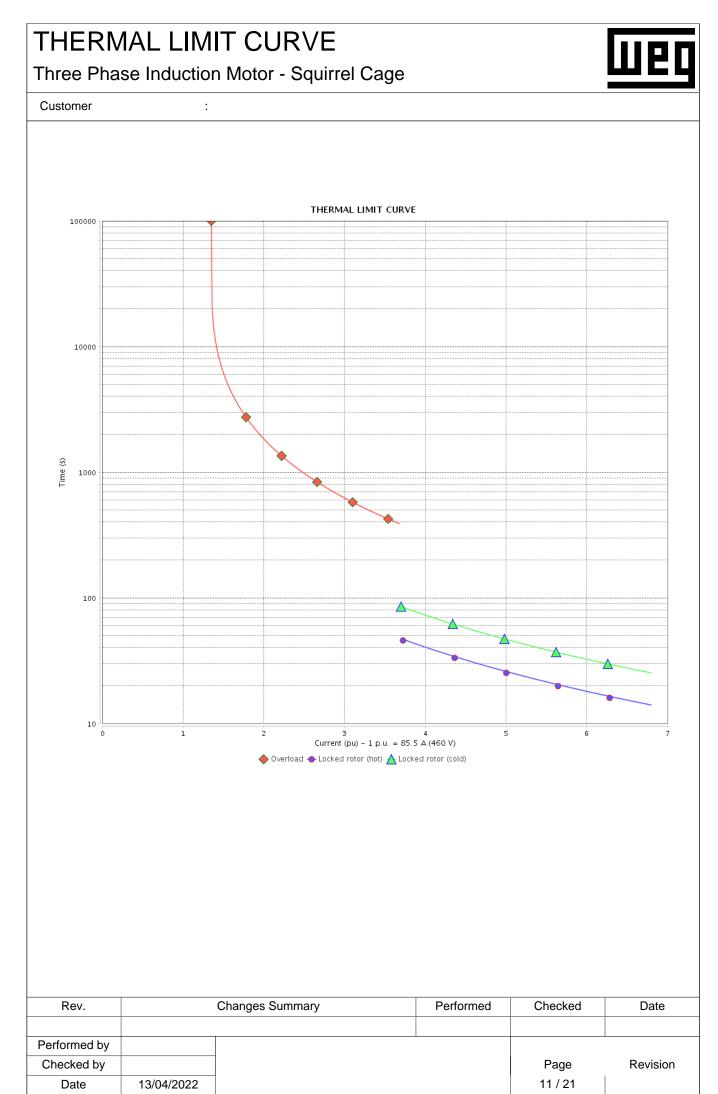
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Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14269582			
				Catalog # :	07518OT3G3	07518OT3G365JM-W40		
Performance		460 V 60 Hz 4P						
Rated current LRC		85.5 A 6.8	Moment of inertia (J) Duty cycle		: 16.8 sq.ft.lb : Cont.(S1)			
Rated torque	:	221 ft.lb	Insulation	class	: F			
Locked rotor tore		220 %	Service fa		: 1.25			
Breakdown torqu Rated speed		260 % 1780 rpm	Temperatu Design	ure rise	: 80 K : B			
		··· · P····						
Heating constan Cooling constan								
Rev.		Changes Summary		Performed	Checked	Date		
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Performed by								
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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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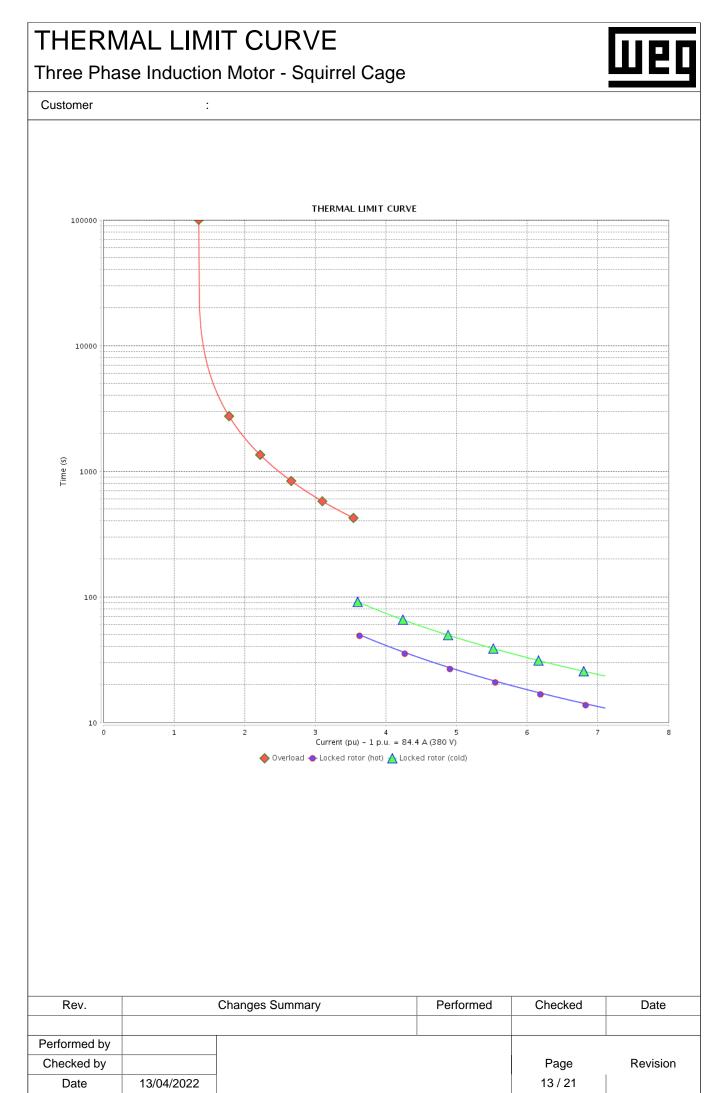


Customer

Product line	: <sup>v</sup> E	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14269582 07518OT3G3	65JM-W40
Performance	: 38	80 V 50 Hz 4P IE3				
Rated current:LRC:Rated torque:Locked rotor torque:Breakdown torque:		84.4 A         Mom           7.1         Duty           213 ft.lb         Insul           200 %         Servition		class	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant	t					
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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

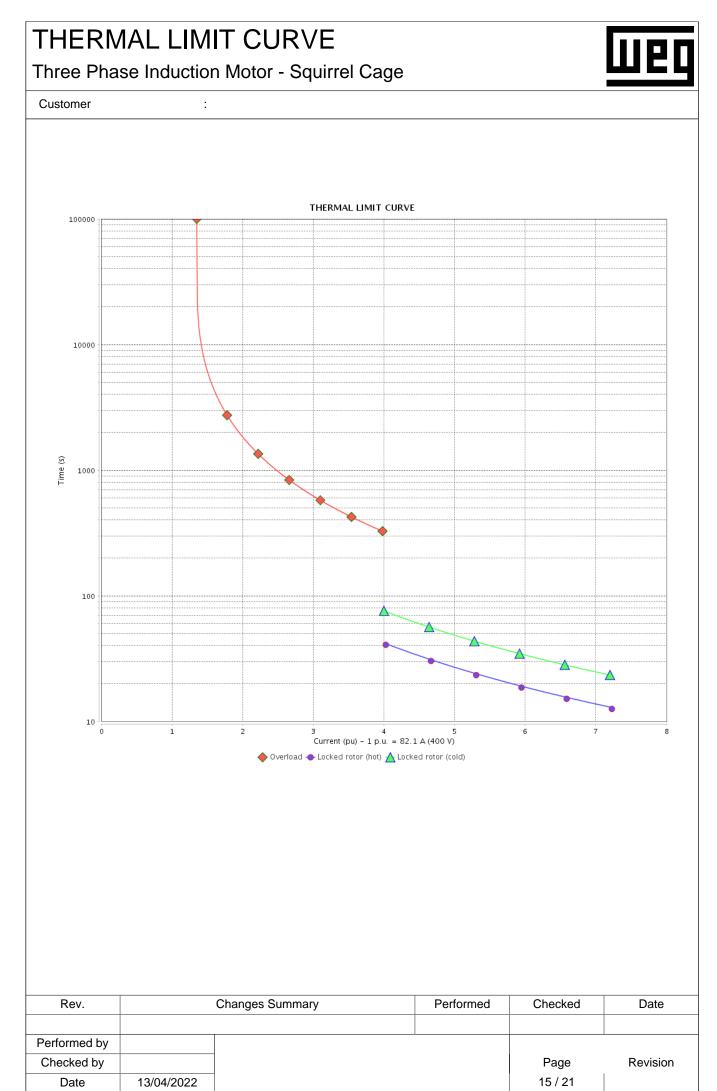
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Customer

Product line	: \ E1	W40 JM Pump NEMA Prem fficiency Three-Phase		Product code : Catalog # :	14269582 07518OT3G	365JM-W40
Performance	: 40	00 V 50 Hz 4P IE3			·	
Rated current: 82.1 ALRC: 7.2Rated torque: 213 ft.lbLocked rotor torque: 229 %Breakdown torque: 260 %Rated speed: 1482 rpm		Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 16.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	13/04/2022				14 / 21	

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## THERMAL LIMIT CURVE

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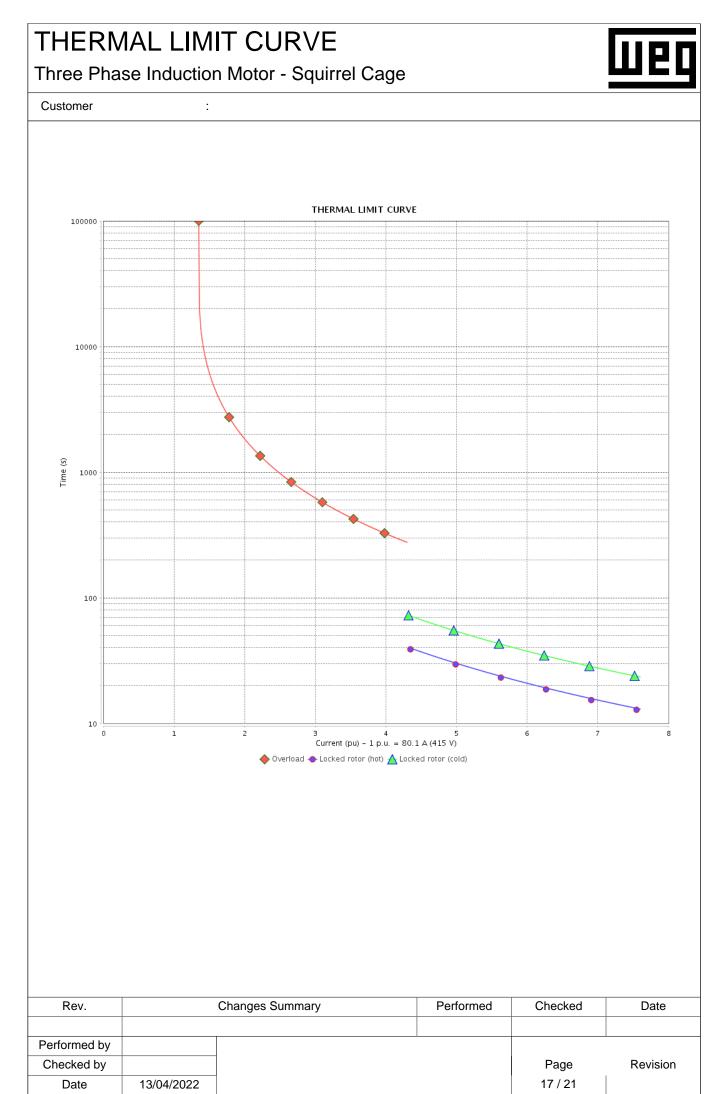


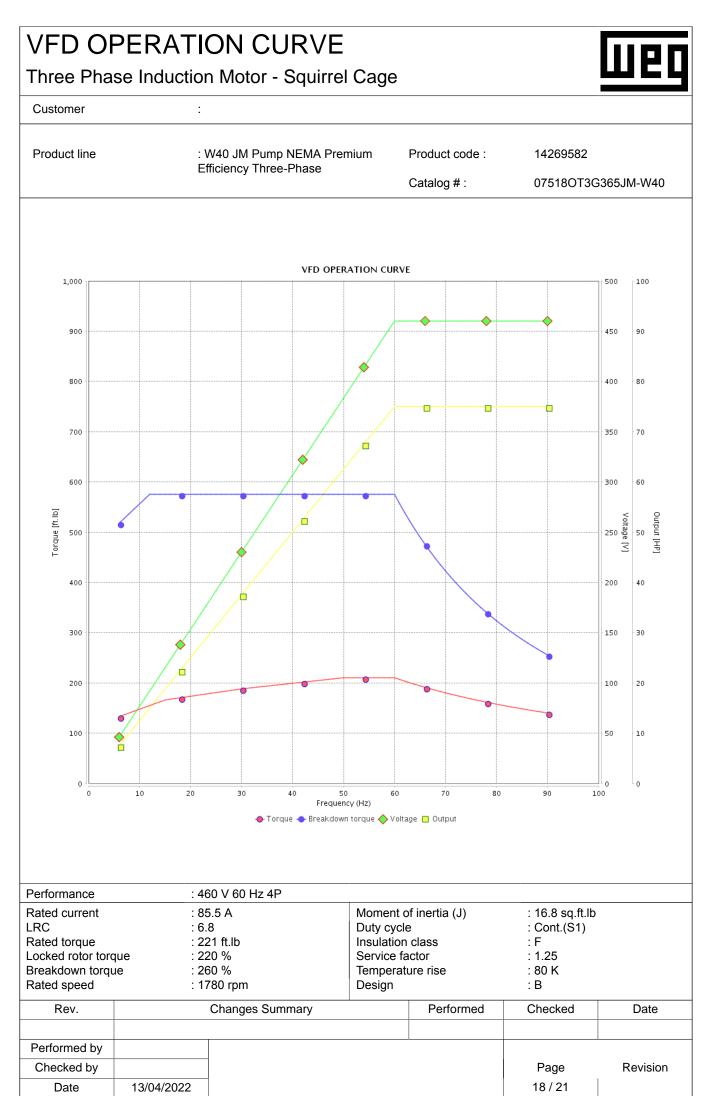
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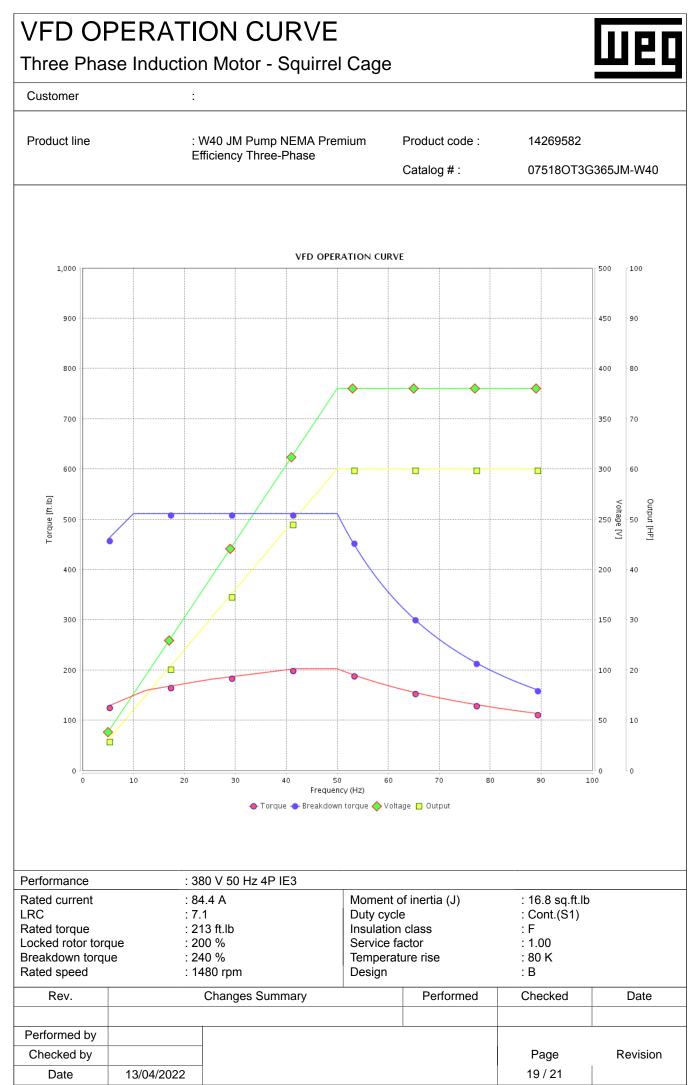
Product line		: W40 JM Pump NEMA Premium		Product code :	14269582		
	E	fficiency Three-Phase	Catalog # :		07518OT3G3	365.IM-W40	
Performance	: 42	15 V 50 Hz 4P IE3					
Rated current	: 80	).1 A	Moment o	f inertia (J)	: 16.8 sq.ft.lb		
LRC	: 7.		Duty cycle		: Cont.(S1)		
Rated torque Locked rotor toro		12 ft.lb 50 %	Insulation class Service factor		: F : 1.00		
Breakdown torqu		30 %	Temperati		: 80 K		
Rated speed		184 rpm	Design		: B		
Heating constan	t						
Cooling constant							
Rev.	-	Changes Summary		Performed	Checked	Date	
		<b>C</b>			-		
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				16/21	-	
	-	1					

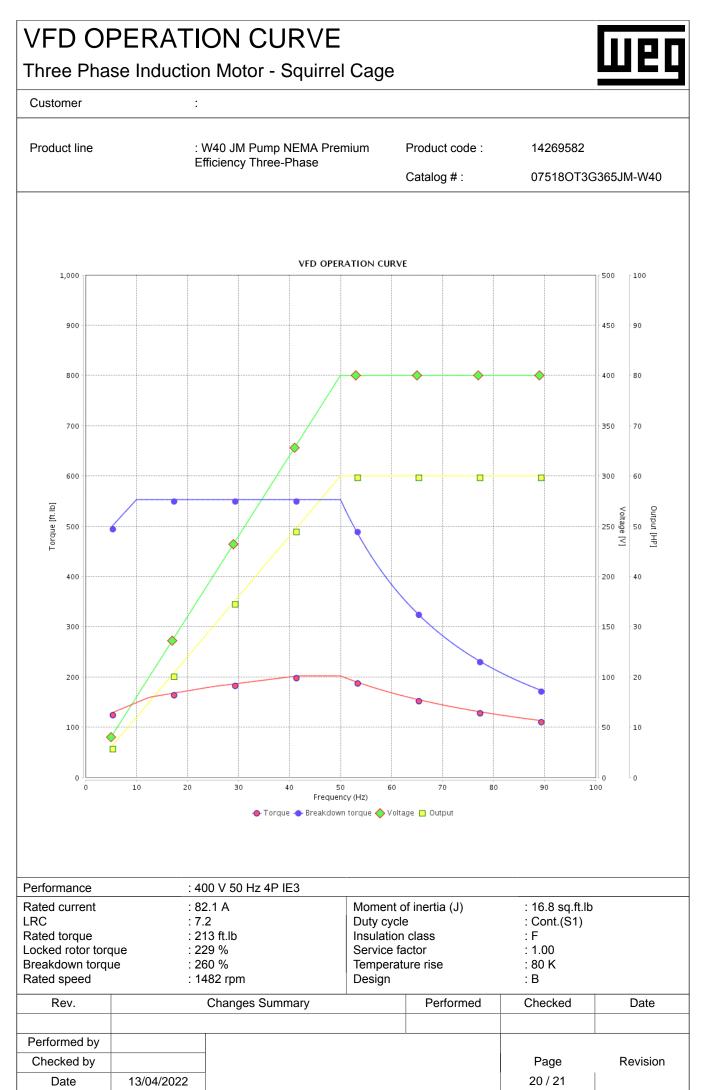
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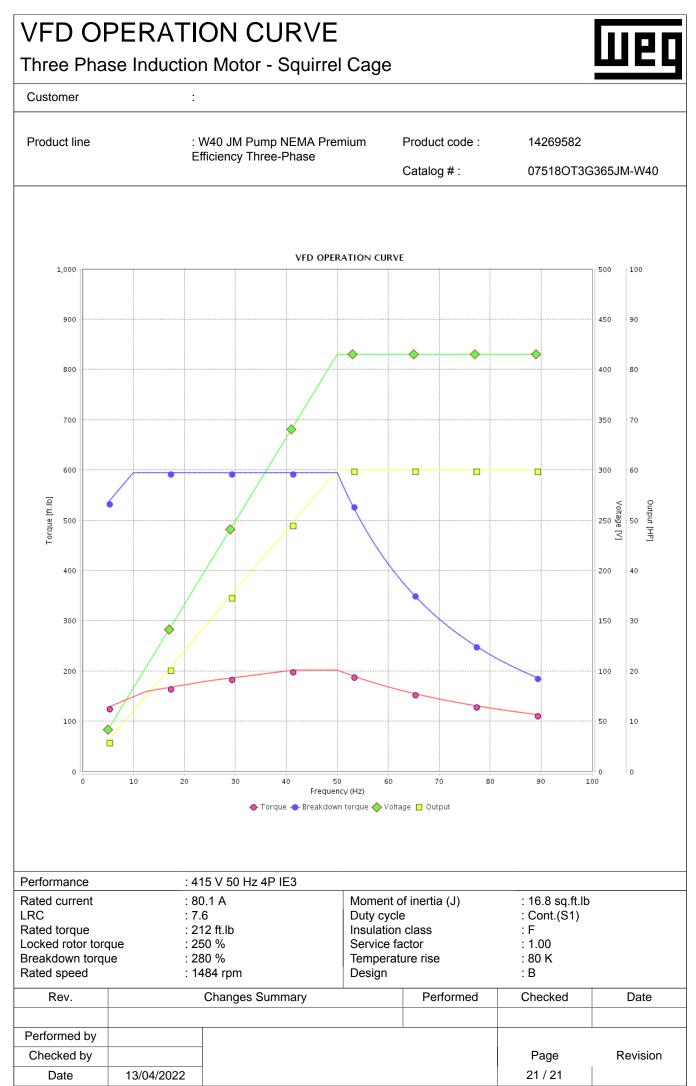
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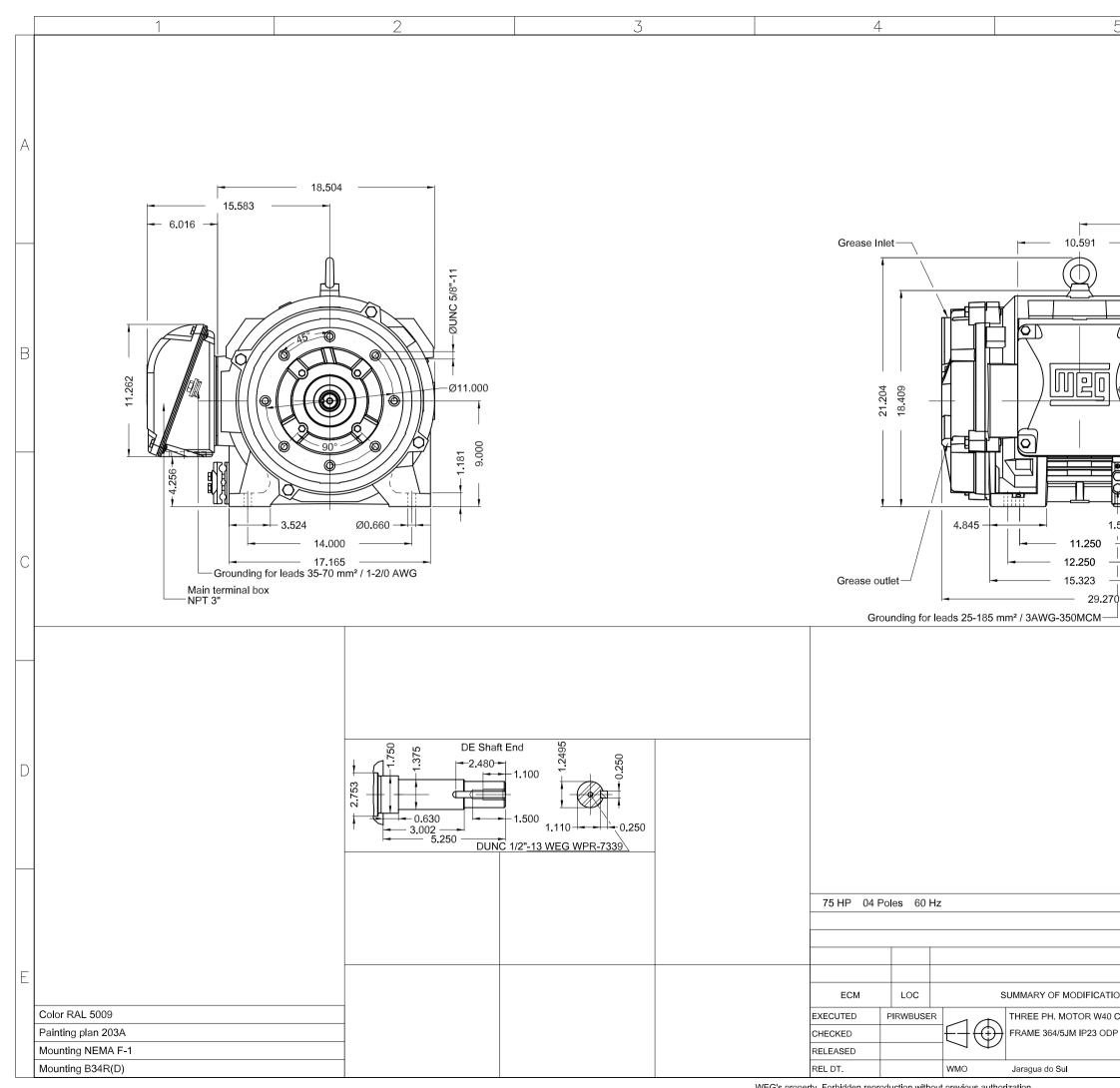












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5			6			
		-Grease Inlet	9 9			Dimensions in inches
					A	
				1:8		
	EVECUTED			DATE		
		CHECKED	RELEASED	DATE	VER	
CLOSE COUPLED P	UMP JM TYPE F	™PREVI	EW			~
		WDD		ШВ		A3
Product	Engineering S	SHEET	1 / 1			XME
	-		,			