DATA SHEET

Three Phase Induction Motor - Squirrel Cage

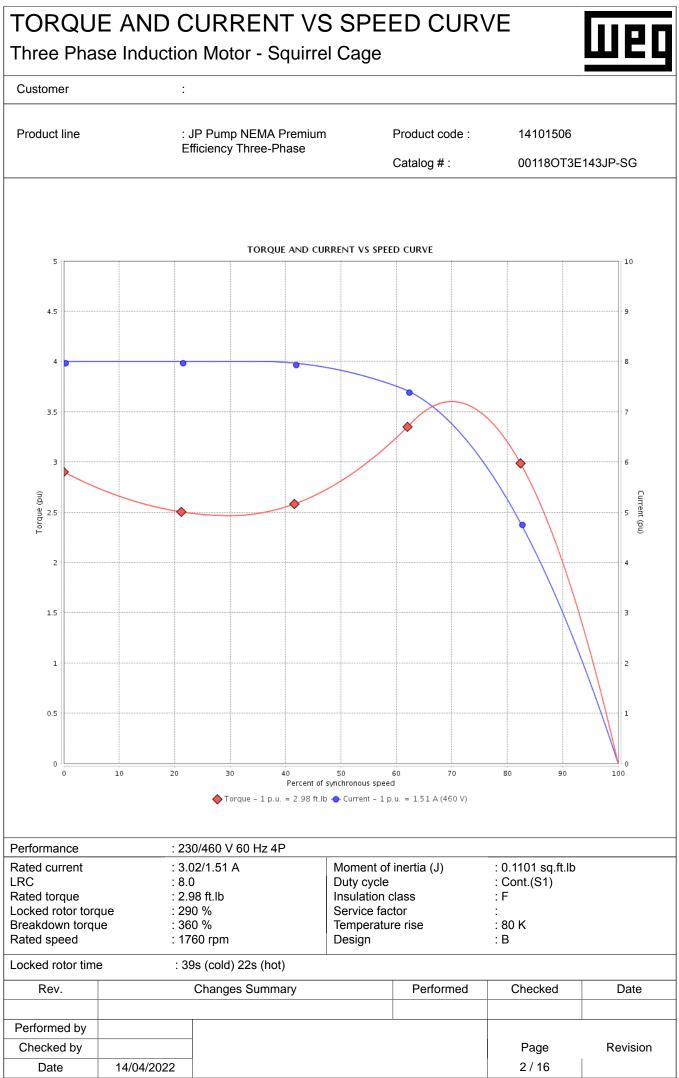
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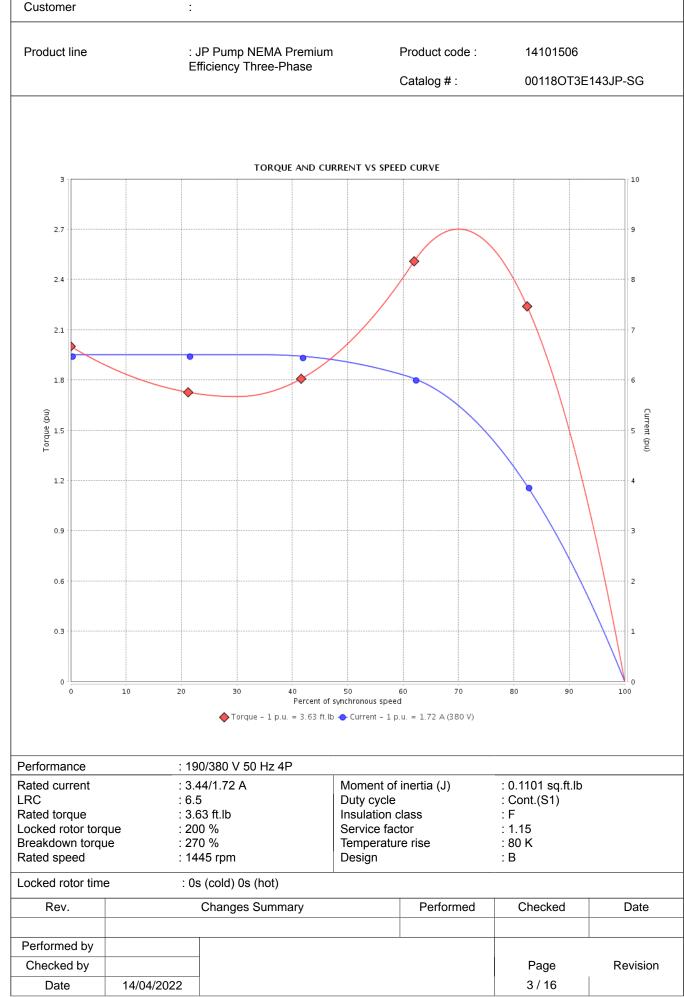
Power Factor 75% 1009 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		Efficiency Three-F : 143/5JP : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : B 1 4 60 230/460 3.02/1.5 24.2/12.)	Cooling Mounting Rotation Starting Approx.	g method weight ³ of inertia (J) 1	00118OT3E : IC01 - OD : F-1 : Both (CW : Direct On : 37.6 lb : 0.1101 sq.	P and CCW) Line		
Insulation class Duty cycle Ambient temperature Altitude Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] R. Amperes [A] R. Amperes [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 [%] Breakdown torque [%] Breakdown torque [%] Bervice factor Temperature rise .ocked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : B 1 4 60 230/460 3.02/1.5 24.2/12.		Mounting Rotation Starting Approx.	g method weight ³ of inertia (J) 1	: F-1 : Both (CW : Direct On : 37.6 lb	and CCW) Line		
Duty cycle Ambient temperature Altitude 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 [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		: Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : B 1 4 60 230/460 3.02/1.5 24.2/12.		Mounting Rotation Starting Approx.	g method weight ³ of inertia (J) 1	: Both (CW : Direct On : 37.6 lb	Line		
Ambient temperature Altitude 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 [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant mount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		: -20°C to +40°C : 1000 m.a.s.l. : B 1 4 60 230/460 3.02/1.5 24.2/12.		Rotation Starting Approx.	method weight ³ of inertia (J) 1	: Direct On I : 37.6 lb	Line		
Altitude 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 [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		: 1000 m.a.s.l. : B 1 4 60 230/460 3.02/1.5 24.2/12.		Approx.	weight³ of inertia (J) 1	: 37.6 lb			
Altitude 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 [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		: B 1 4 60 230/460 3.02/1.5 24.2/12.			of inertia (J) 1				
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 [%] Service factor Temperature rise Locked rotor time Noise level ² 25% Power Factor 25% Power Factor 75% 100% Bearing type Sealing Lubrication interval Lubrication interval Lubrication replaces and must be eliminated. (1) Looking the motor from		1 4 60 230/460 3.02/1.5 24.2/12.		Moment	1	: 0.1101 sq.			
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 ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		4 60 230/460 3.02/1.5 24.2/12.					ft.lb		
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 ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		4 60 230/460 3.02/1.5 24.2/12.				1	1		
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 ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		230/460 3.02/1.5 24.2/12.			4		4		
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 ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		3.02/1.5 24.2/12.		1	50		50		
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 ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		24.2/12.			190/380	22	20/415		
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 ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w			1		3.44/1.72	3.2	15/1.67		
LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [ft.lb] Locked rotor torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) 75% 100% Power Factor Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w					22.4/11.2		22.4/11.9		
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 ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubrication interval SABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		8.0x(Code		6	.5x(Code J)				
Rated speed [RPM] Slip [%] Rated torque [ft.lb] Locked rotor torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		1.92/0.95			1.88/0.942				
Slip [%] Rated torque [ft.lb] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S		1760			1445				
Rated torque [ft.lb] Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Power Factor 50% 75% 1009 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		2.22			3.67				
Locked rotor torque [%] Breakdown torque [%] Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) 25% Efficiency (%) Power Factor 50% 75% 100% Power Factor 50% 75% 100% Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		2.98			3.63				
Breakdown torque [%] Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) 25% Efficiency (%) Power Factor 50% 75% 100% Power Factor Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		2.90			200				
Service factor Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		360			270				
Temperature rise Locked rotor time Noise level ² Efficiency (%) Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		500			1.15				
Lubrication interval Lubrication interval Lubrication interval Lubrication sterval Lubrication interval Lubrication sterval Lubrication interval Lubrication		80 K			80 K				
Noise level ² Efficiency (%) Fficiency (%)		39s (cold) 22s	s (hot)	00	(cold) 0s (hot)				
Efficiency (%) Efficiency (%) Fower Factor Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		52.0 dB(/			49.0 dB(A)				
Efficiency (%) 50% 75% 1009 25% 50% 50% 50% 75% 1009 Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	6	52.0 dB(A) 79.9			49.0 0B(A) 82.2		. ,		
Efficiency (%) 75% 100% Power Factor Power Factor Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		81.5			81.9				
100% 25% 50% 50% 75% 100% Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		81.5			83.4				
25% Fower Factor 75% 100% Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		85.5			82.6		ft.lb 1 4 50 20/415 15/1.67 2.4/11.9 (Code K) 93/1.02 1450 3.33 3.62 229 300 1.15 80 K Id) 0s (hot) 0 dB(A) 80.7 81.0 83.2 83.1 0.31 0.55 0.69 0.78 ith sinusoidal		
Power Factor 50% 75% 1009 Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		0.29			0.34		80.7 81.0 83.2 83.1 0.31 0.55 0.69 0.78		
Power Factor 75% 1009 1009 Bearing type Sealing Lubrication interval Lubricant amount Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w							83.2 83.1 0.31 0.55 0.69		
100% Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w									
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	75% 0.65 0.73								
Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	70	0.73		_	0.80		0.70		
Sealing Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	Drive end Non drive end		Foundatio						
Lubrication interval Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	:	6206 ZZ 6203 ZZ		Max. trac		: 75 lb			
Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	:	Without	Without	Max. com	pression	: 113 lb			
Lubricant amount Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w		Bearing Seal E	Bearing Seal						
Lubricant type Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	:	-	-						
Notes USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	:	:							
USABLE @208V 3.34A S This revision replaces and must be eliminated. (1) Looking the motor from (2) Measured at 1m and w	:	: Mobil Polyrex EM							
must be eliminated.(1) Looking the motor from(2) Measured at 1m and w	SF 1.0	00 SFA 3.34A							
(3) Approximate weight su manufacturing process.(4) At 100% of full load.	n the with to	shaft end. blerance of +3dB(A)				based on tests wi ne tolerances stipu			
				<u> </u>		,	,		
Rev.		Changes Sumn	nary		Performed	Checked	Date		
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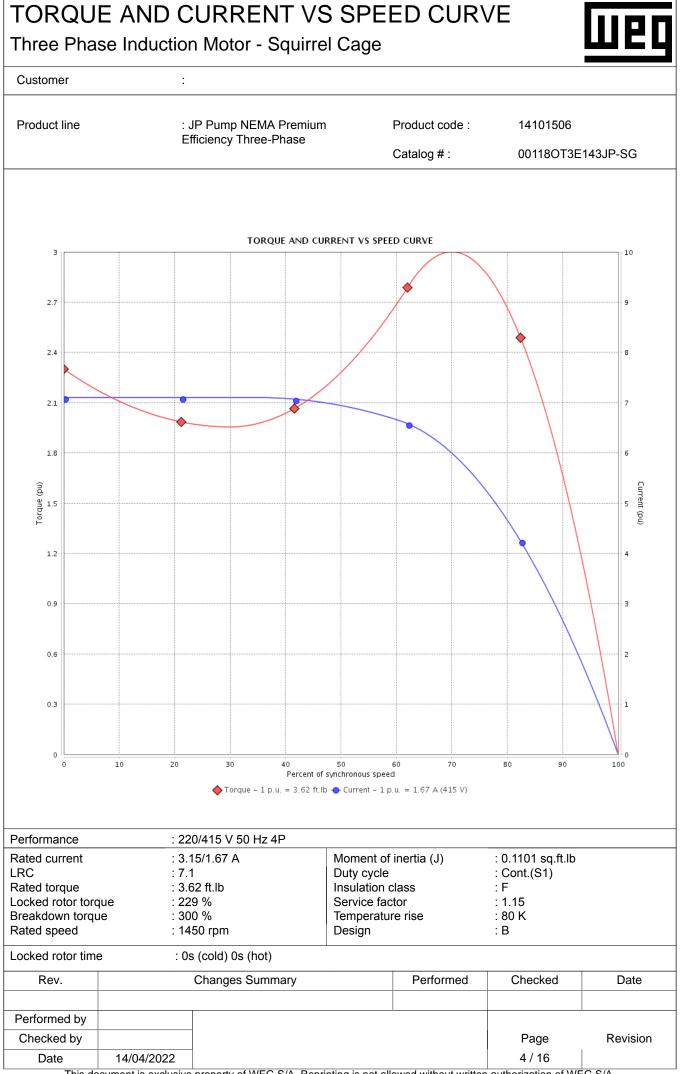


TORQUE AND CURRENT VS SPEED CURVE Three Phase Induction Motor - Squirrel Cage

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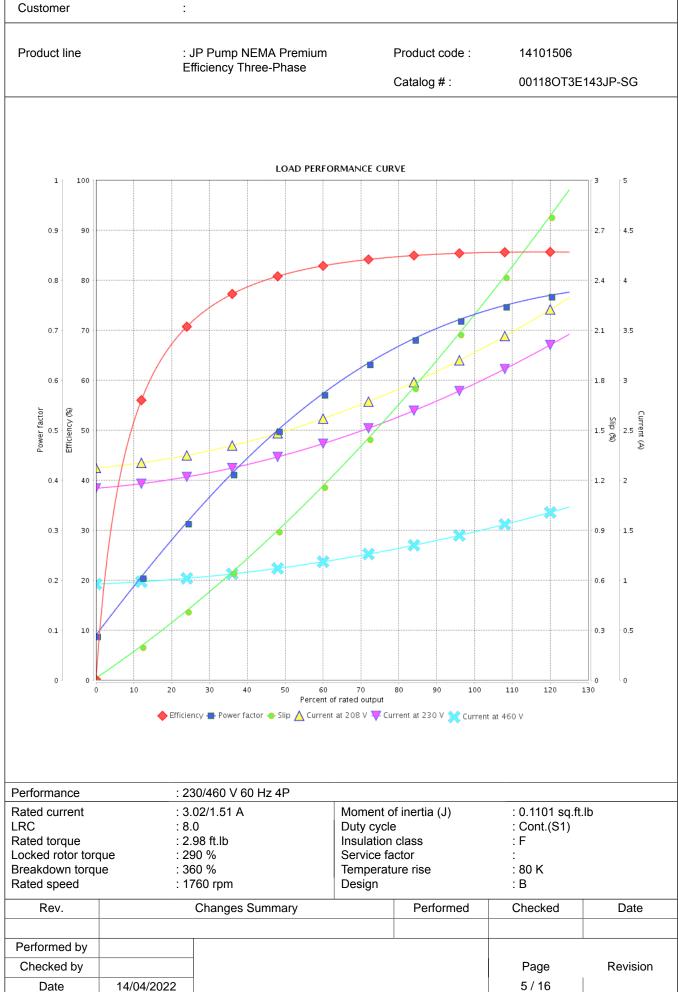
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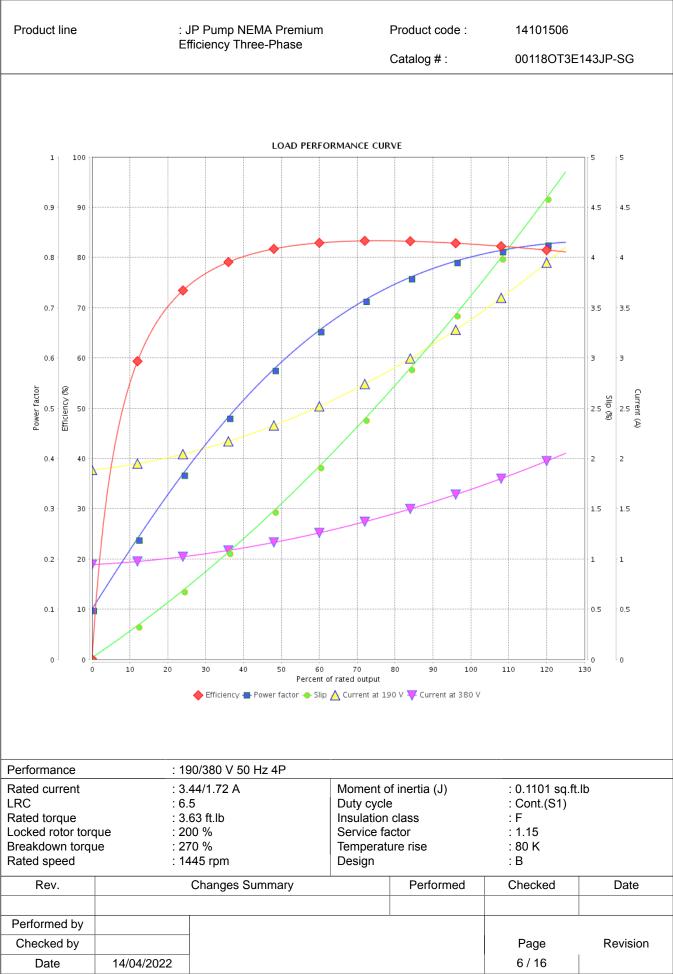
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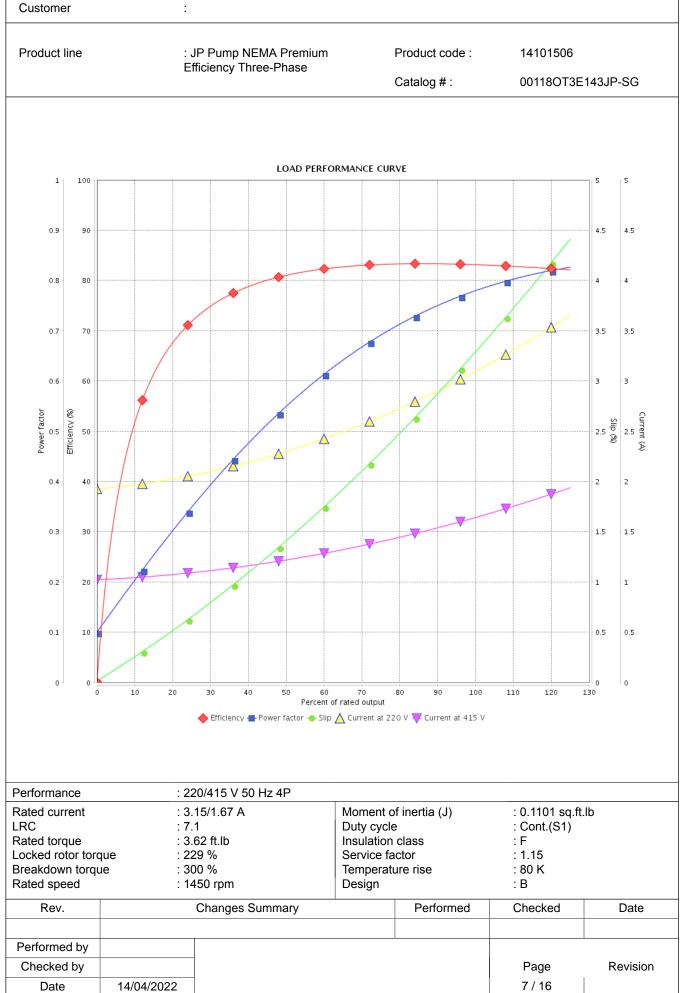
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THERMAL LIMIT CURVE

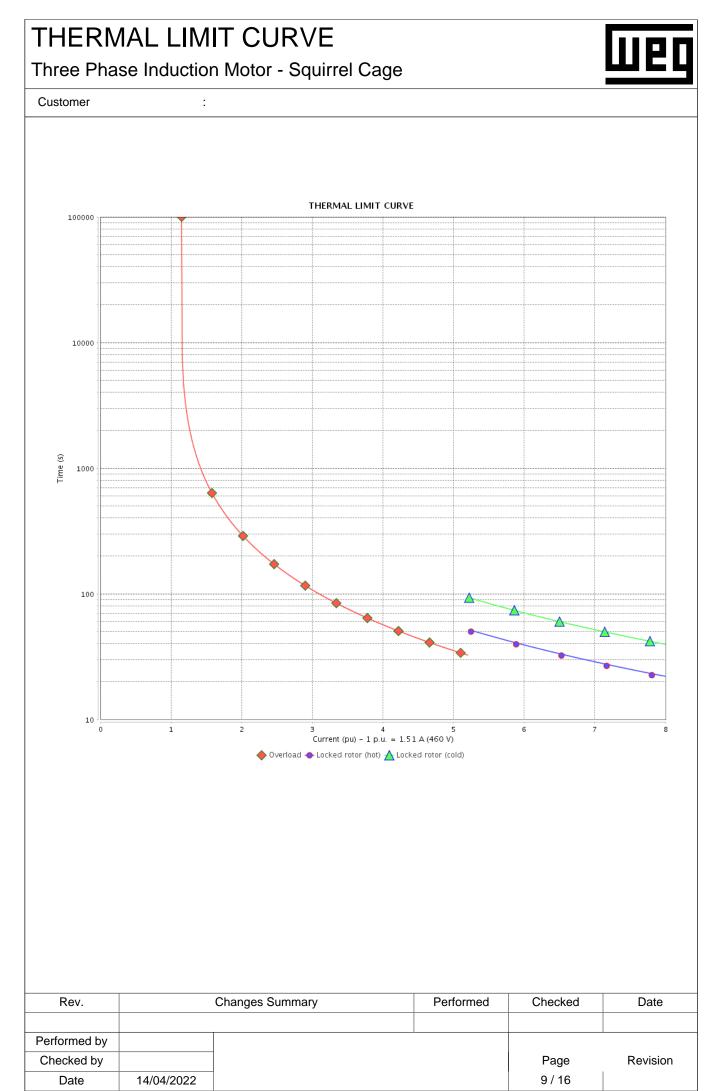
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14101506		
				Catalog # :	00118OT3E	143JP-SG	
Performance		30/460 V 60 Hz 4P					
Rated current: 3.02/1.51 ALRC: 8.0Rated torque: 2.98 ft.lbLocked rotor torque: 290 %Breakdown torque: 360 %		0 98 ft.lb 90 % 60 %	Duty cycle Insulation class Service factor Temperature rise		: 0.1101 sq.ft.l : Cont.(S1) : F : : 80 K	: Cont.(S1) : F : : 80 K	
Rated speed	: 17	760 rpm	Design		: B		
Heating constant							
Cooling constant							
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Checked by					Page	Revision	
Date	14/04/2022				8 / 16		



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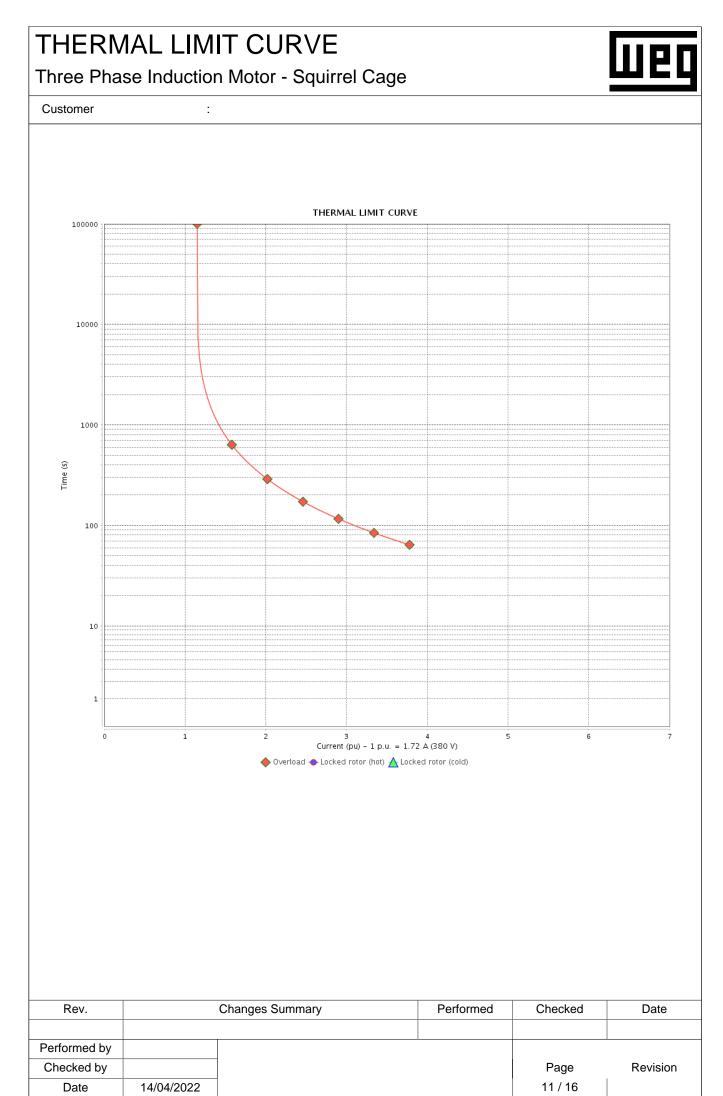
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14101506		
				Catalog # :	00118OT3E	143JP-SG	
Performance	: 19	90/380 V 50 Hz 4P					
Rated current		44/1.72 A	Moment o	f inertia (J)	: 0.1101 sq.ft.lb		
LRC : 6.5 Rated torque : 3.63 ft.lb			Duty cycle Insulation class		: Cont.(S1) : F		
	ated torque : 3.63 ft.lb ocked rotor torque : 200 %		Service factor		: 1.15		
Breakdown torqu	reakdown torque : 270 %		Temperature rise		: 80 K		
Rated speed		445 rpm	Design		: B		
Heating constan							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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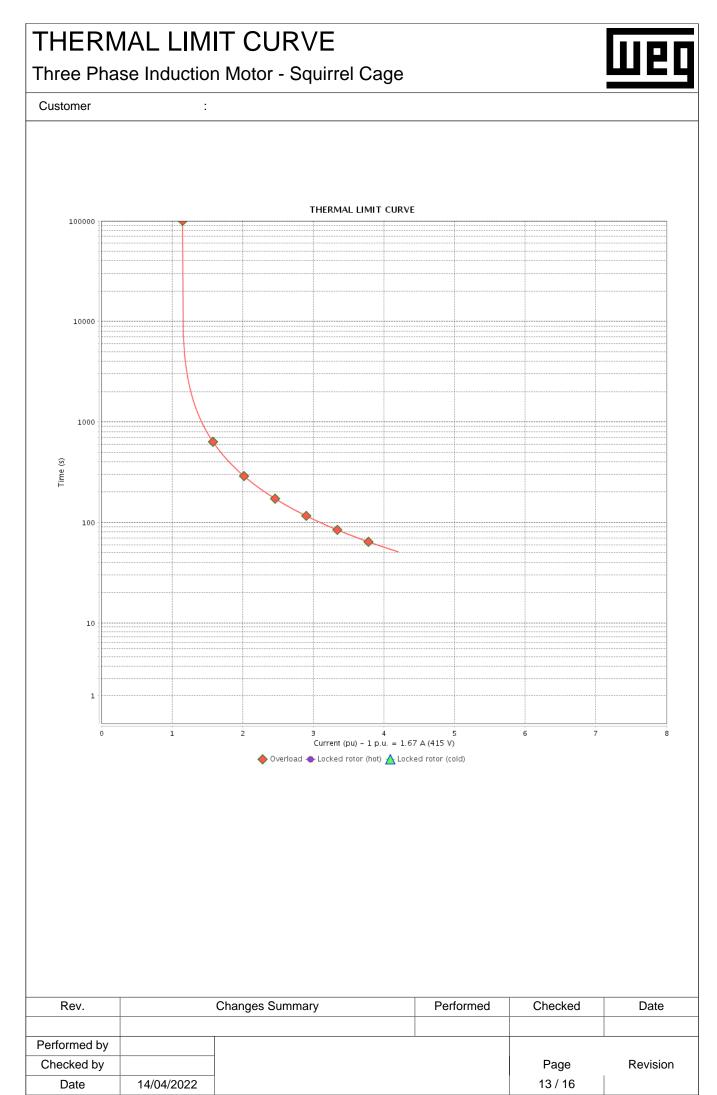
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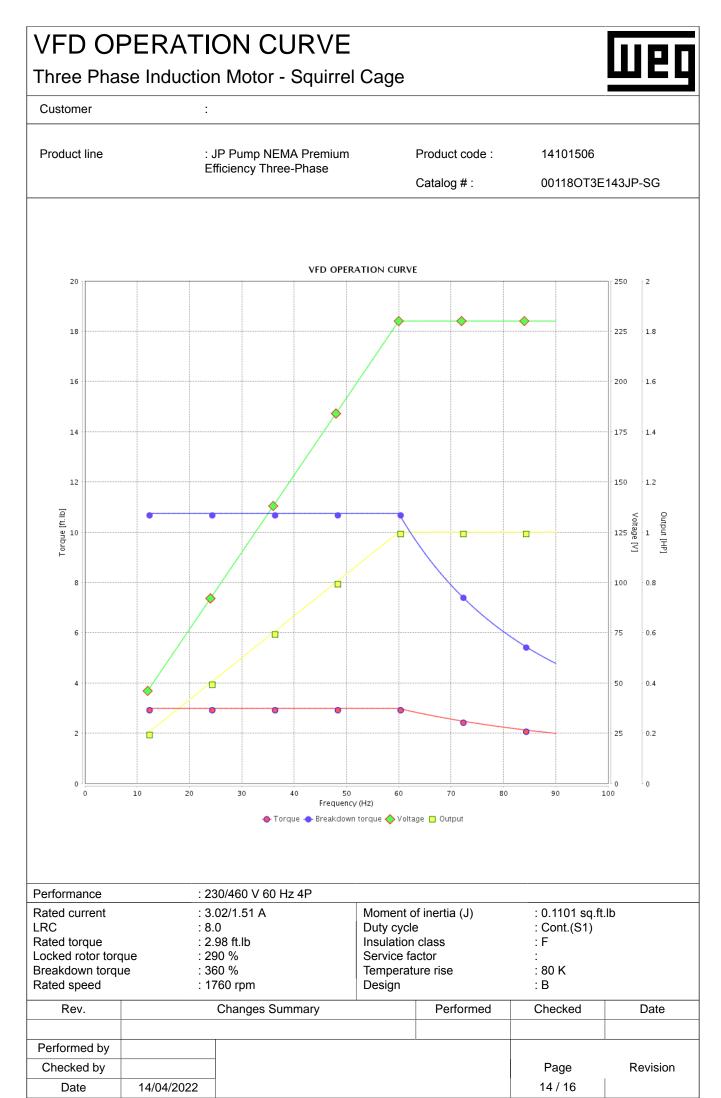
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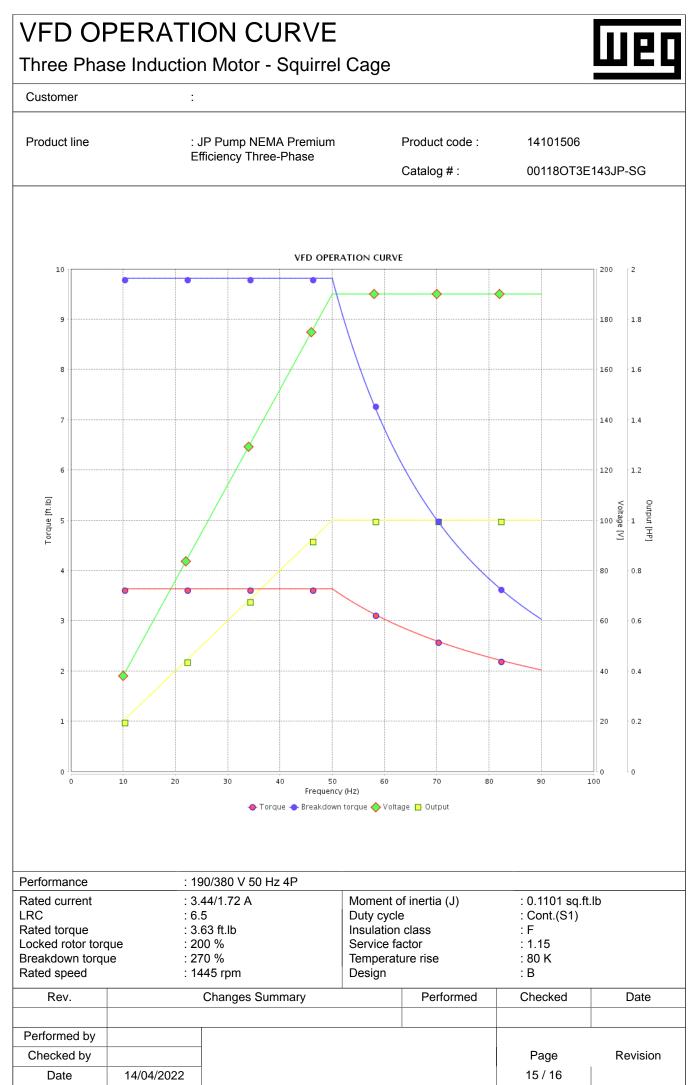


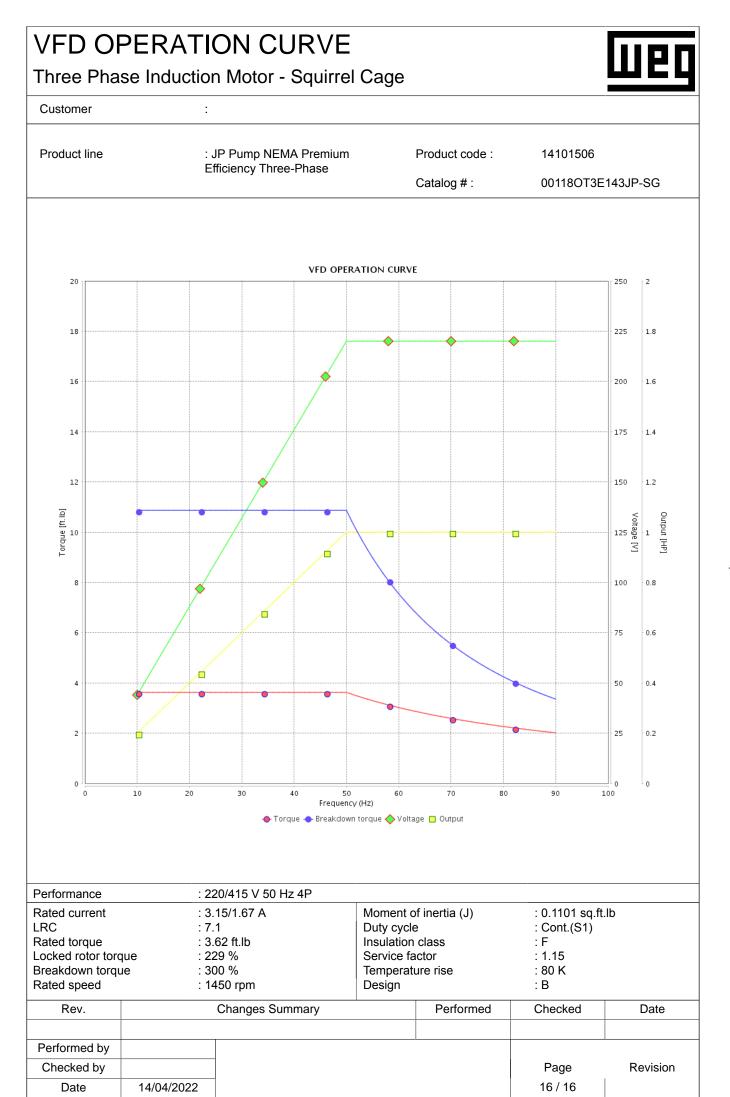
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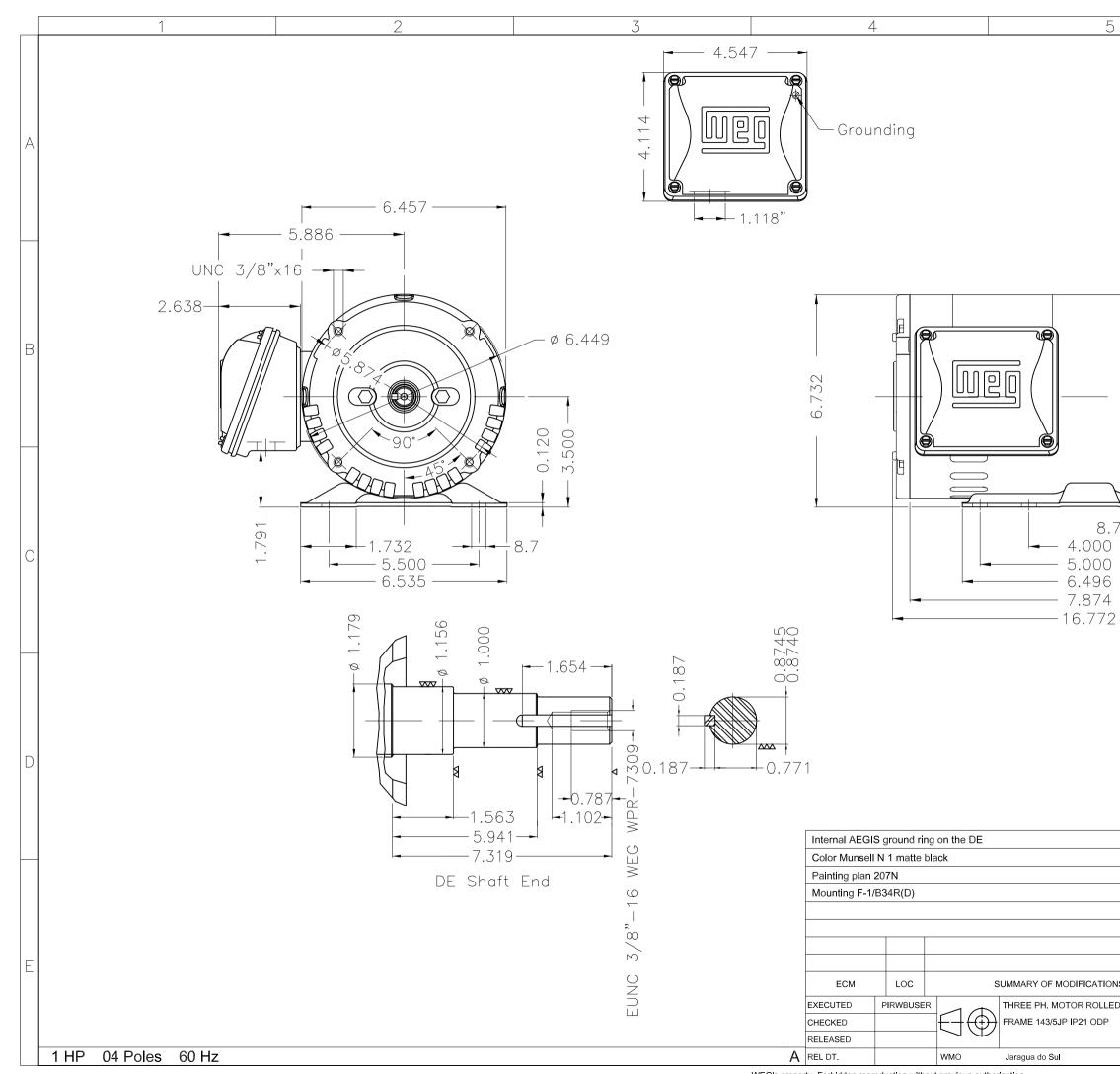
Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14101506		
	_			Catalog # :	00118OT3E	143JP-SG	
Performance		20/415 V 50 Hz 4P					
Rated current: 3.15/1.67 ALRC: 7.1Rated torque: 3.62 ft.lb		.1 62 ft.lb	Moment of inertia Duty cycle Insulation class		: Cont.(S1) : F	0.1101 sq.ft.lb Cont.(S1) F	
	ocked rotor torque : 229 %		Service factor		: 1.15		
Breakdown torqu Rated speed		00 % 450 rpm	Temperate Design	ure rise	: 80 K : B		
			Looign				
Heating constant							
Cooling constant Rev.	L	Changes Summary		Performed	Checked	Date	
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