## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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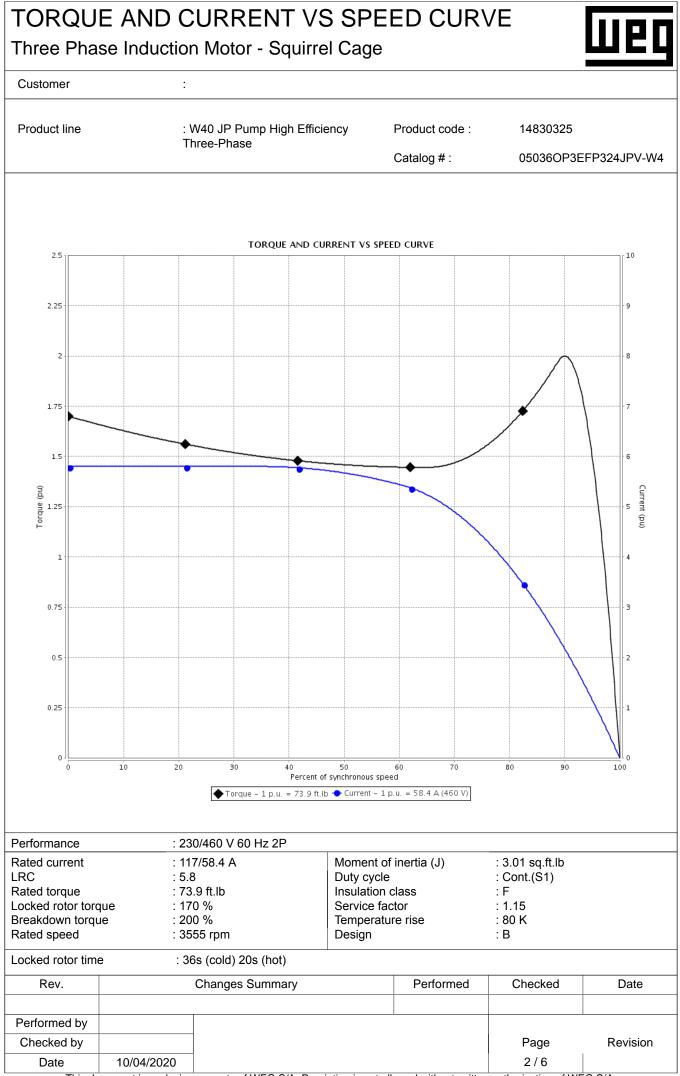


Catalog #:     05036073EFF324       Frame     : 324/6JP     Locked rotor time     : 36s (cold) 20s (h       Output     : 50 HP (37 kW)     Emperature rise     : 80 K       Poles     : 2     Ambient temperature     :: 207C to +40°C       Rated voltage     : 230/460 V     Ambient temperature     :: 20°C to +40°C       Rated current     : 117/58 4 A     Protection degree     : IP23       LR Amperes     : 677/339 A     Cooling method     : IC01 - ODP       No load current     : 3355 rpm     Staffing method     : IC01 - ODP       Sip     : 125 %     Rated torque     : T0 %       Starting method     : Dirte ch Line     Approx. weight <sup>3</sup> : 443 lb       Dutput     25%     50%     75%     100%     Max. traction       Power Factor     0.78     0.84     Max. traction     Max. traction       Power factor     : 431 g     Max. traction     Max. traction       Power factor     : 6312 Z C3     6211 Z C3     Sealing       Dutput     25%     50%     75%     100%				) JP Pump e-Phase	High Efficien		uct code :	14830325	
Output: 50 HP (37 kW)Temperature rise: 80 kPoles: 2Duty cycle: Cont. (S1)Frequency: 60 HzAmbient temperature: -20°C to +40°CRated voltage: 230/460 VAmbient temperature: -20°C to +40°CRated current: 117/58.4 AProtection degree: IP23L. R. Amperes: 677/339 ACooling method: IC01 - ODPLRC: 5.8x(Code F)Mounting: W-6No load current: 33.8/16.9 ARotation1: Both (CW and CRated speed: 3555 rpmStarting method: Direct On LineSlip: 1.25 %Approx. weight3: 443 lbRated torque: 200 %Insulation class: FService factor: 1.15Moment of inertia (J): 3.01 sq.ft.lbDesign: BMax. tractionPower Factor0.540.780.84:0.8246211 Z C3Sealing type: 6312 Z C36211 Z C3Sealing: Without Bearing SealWithout Bearing SealLubrication interval: 9829 h14226 hLubricatin amount <td: 21="" g<="" td="">11 g&lt;</td:>						Cata	log # :	05036OP3E	FP324JPV-W4
Locked rotor torque : 170 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 3.01 sq.ft.lb Design : B Dutput 25% 50% 75% 100% Efficiency (%) 91.5 91.7 92.4 92.4 Power Factor 0.54 0.78 0.84 0.86 Bearing type : 6312 Z C3 6211 Z C3 Sealing : Without Bearing Seal Lubrication interval : 9829 h 14226 h Lubricant amount : 21 g 11 g Lubricant type : Mobil Polyrex EM Notes	utput bles requency ated voltage ated current R. Amperes RC o load current ated speed ip		: 50 F : 2 : 60 F : 230/ : 117/ : 677/ : 5.8x : 33.8 : 355 : 1.25	HP (37 kW /460 V /58.4 A /339 A (Code F) /16.9 A 5 rpm 5 %	)	Temperature Duty cycle Ambient tem Altitude Protection d Cooling met Mounting Rotation <sup>1</sup> Starting met	e rise nperature egree hod hod	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : W-6 : Both (CW : Direct On	-40°C .s.l. )P and CCW)
Efficiency (%)91.591.792.492.4Max. traction Max. compressionPower Factor0.540.780.840.86Max. compressionBearing type:6312 Z C36211 Z C3Sealing:Without Bearing SealWithout Bearing SealLubrication interval:9829 h14226 hLubricant amount:21 g11 gLubricant type:Mobil Polyrex EM	ocked rotor torque reakdown torque sulation class ervice factor oment of inertia (		: 170 : 200 : F : 1.15 : 3.01	% %					
Power Factor 0.54 0.78 0.84 0.86 Max. compression   Drive end Non drive end   Bearing type : 6312 Z C3 6211 Z C3   Sealing : Without Bearing Seal Without Bearing Seal   Lubrication interval : 9829 h 14226 h   Lubricant amount : 21 g 11 g   Lubricant type : Mobil Polyrex EM	itput	25%	50%	75%	100%	Foundation loa	ads		
Bearing type   :   6312 Z C3   6211 Z C3     Sealing   :   Without Bearing Seal   Without Bearing Seal     Lubrication interval   :   9829 h   14226 h     Lubricant amount   :   21 g   11 g     Lubricant type   :   Mobil Polyrex EM							sion		
	ealing ubrication interva	1	:	Without I 9	Bearing Seal 829 h	Wit	hout Bearing 14226 h	Seal	
These are average values based on tests with sinu power supply, subject to the tolerances stipulated in MG-1. These are average values based on tests with sinu power supply, subject to the tolerances stipulated in MG-1.	ubricant type	28A SF -	1.00 SFA 1			bil Polyrex EM	11 g		
Rev. Changes Summary Performed Checked	ibricant type tes ABLE @208V 12 is revision replac ist be eliminated. Looking the mot Measured at 1m Approximate we anufacturing proc	ces and c tor from t n and wit eight subj cess.	cancel the the shaft e h tolerance	128A previous c nd. e of +3dB(	one, which	These are ave power supply	erage values		
Performed by	Ibricant type Ites BABLE @208V 12 is revision replac ust be eliminated. Looking the mot Measured at 1m Approximate we anufacturing proc At 100% of full le	ces and c tor from t n and wit eight subj cess.	cancel the the shaft e h toleranco ject to cha	128A previous c nd. e of +3dB( nges after	one, which	These are ave power supply MG-1.	erage values subject to the	e tolerances stipu	

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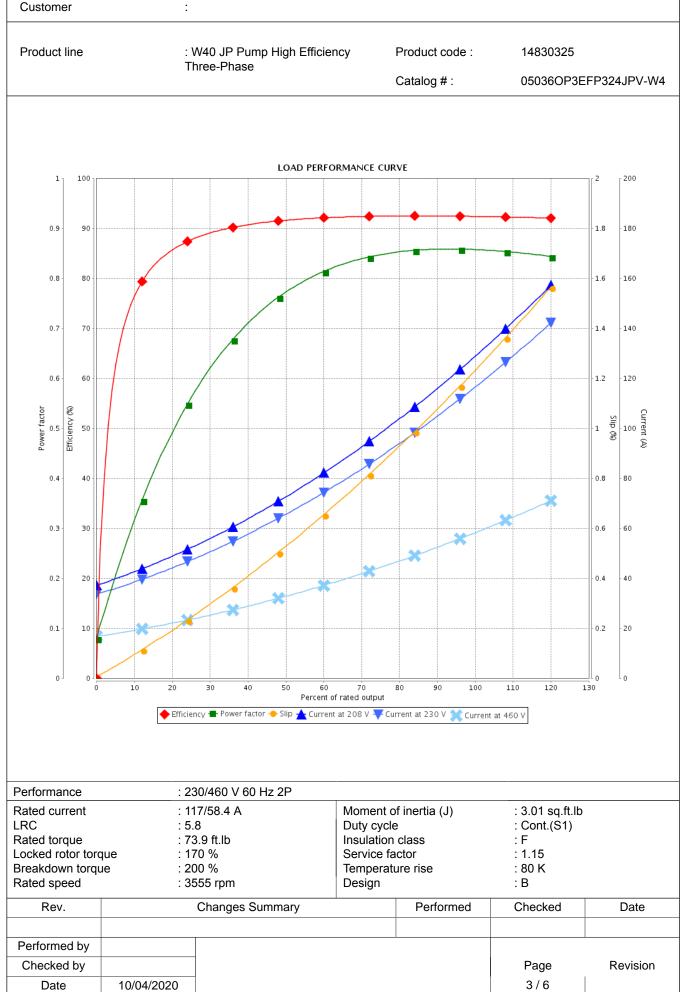


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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

## Customer



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Three Phase Induction Motor - Squirrel Cage

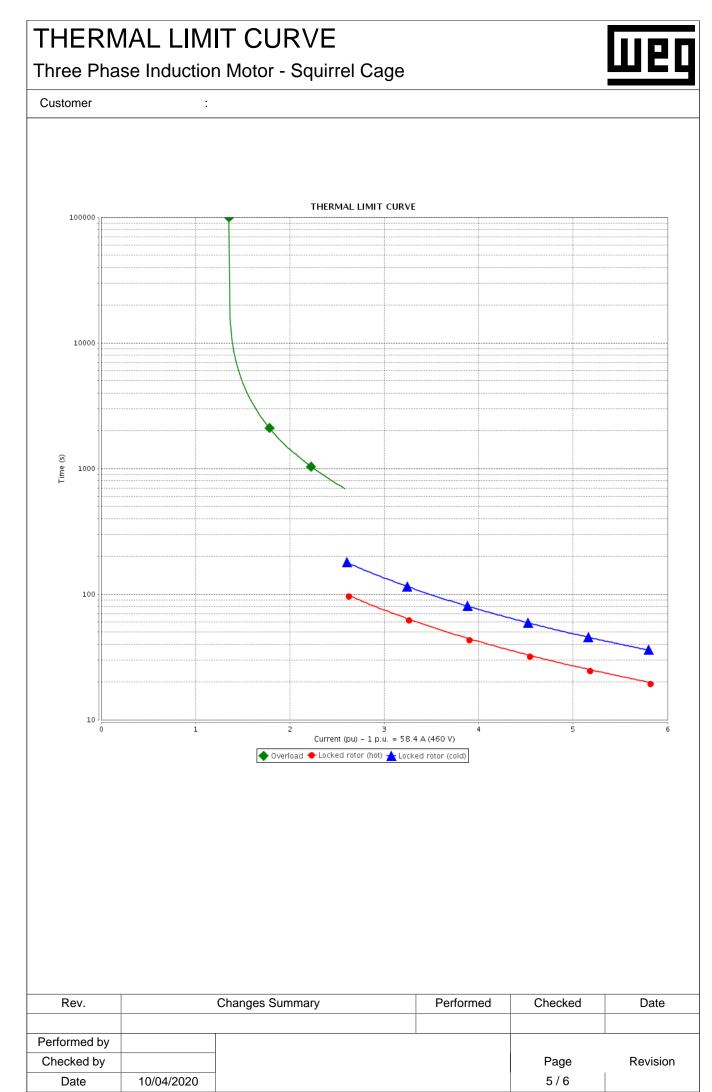
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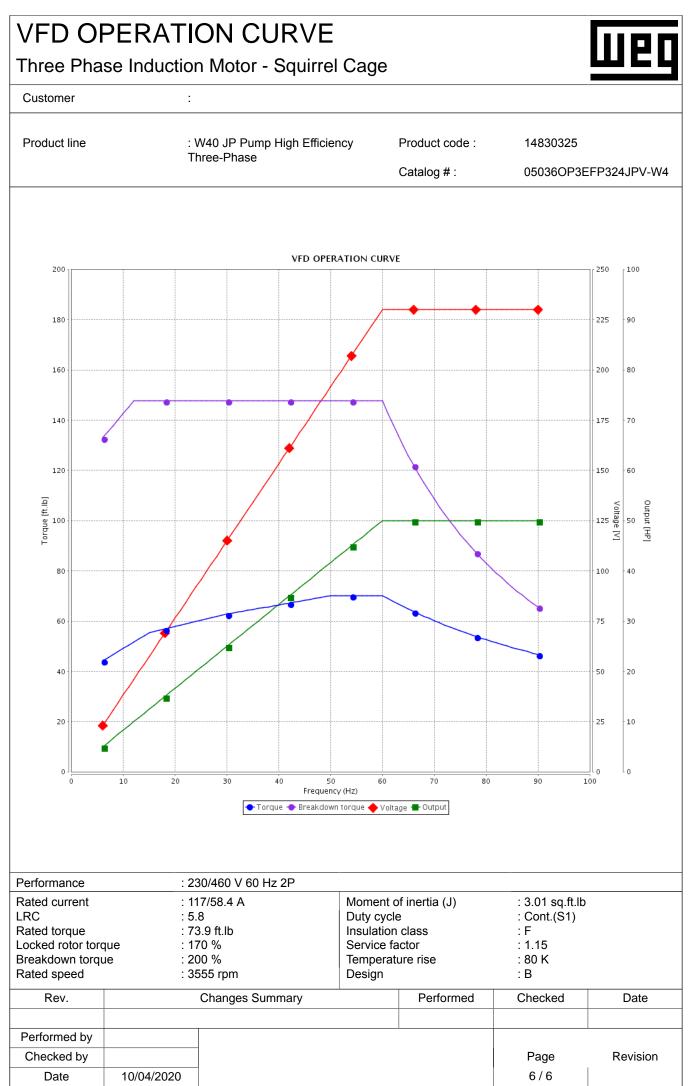
Customer

Product line		: W40 JP Pump High Efficiency		Product code :	14830325	
	I	Three-Phase		Catalog # :	05036OP3EFP324JPV-W4	
Performance	: 23	30/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 5: : 7: jue : 1 ie : 20	17/58.4 A 8 3.9 ft.lb 70 % 00 % 555 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.01 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant	t	-				
Rev.		Changes Summary		Performed	Checked	Date
<b>D</b> (		1				
Performed by					5	<b>D</b>
Checked by Date	10/04/2020	-			Page 4 / 6	Revision
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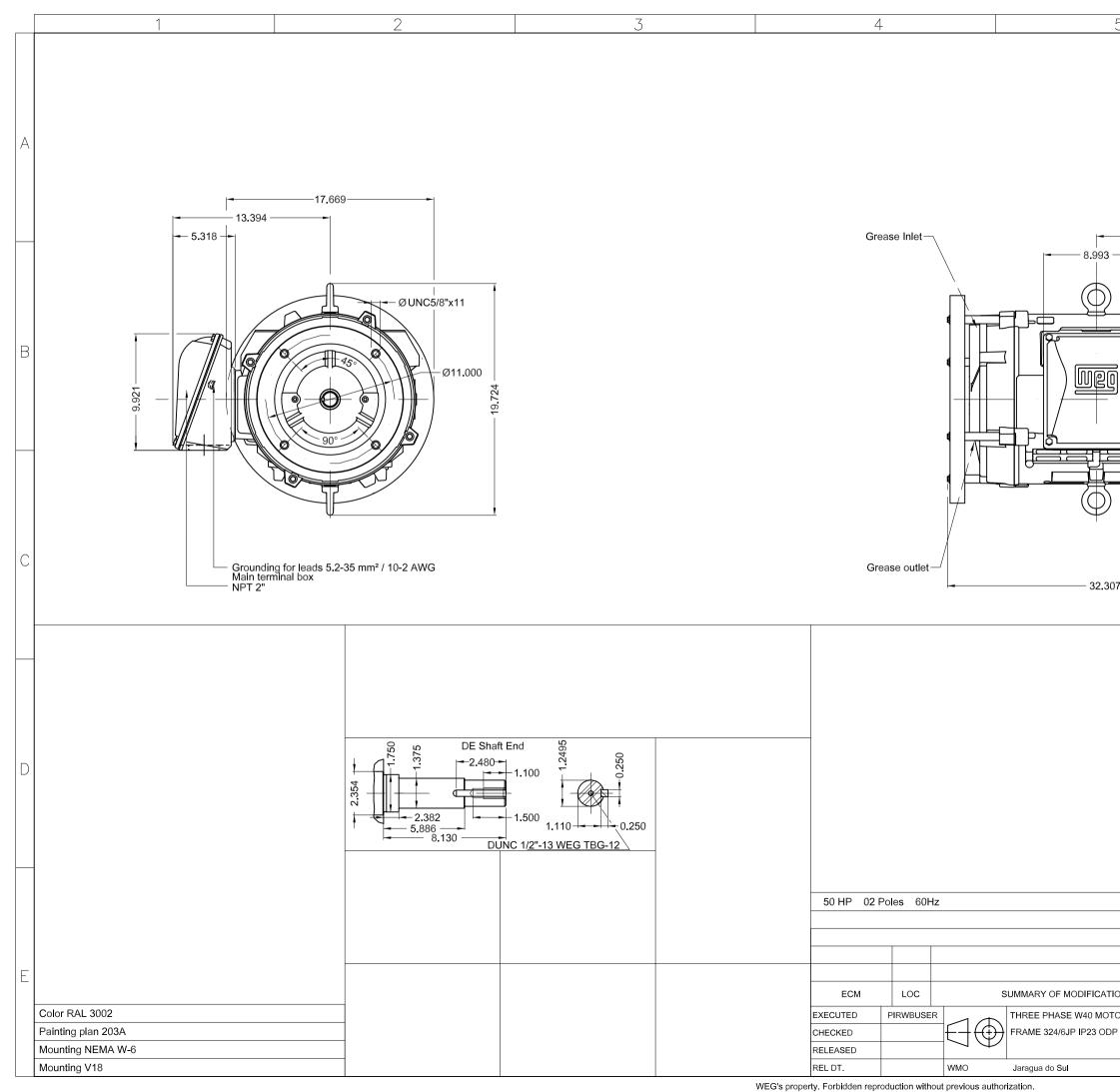


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