DATA SHEET

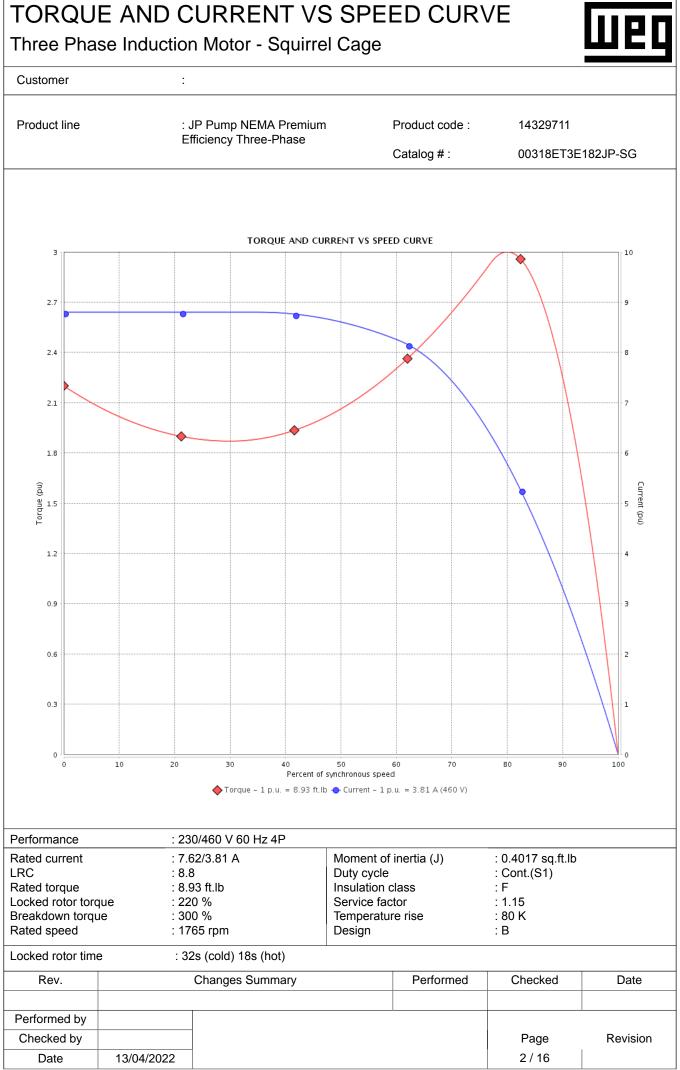
Three Phase Induction Motor - Squirrel Cage

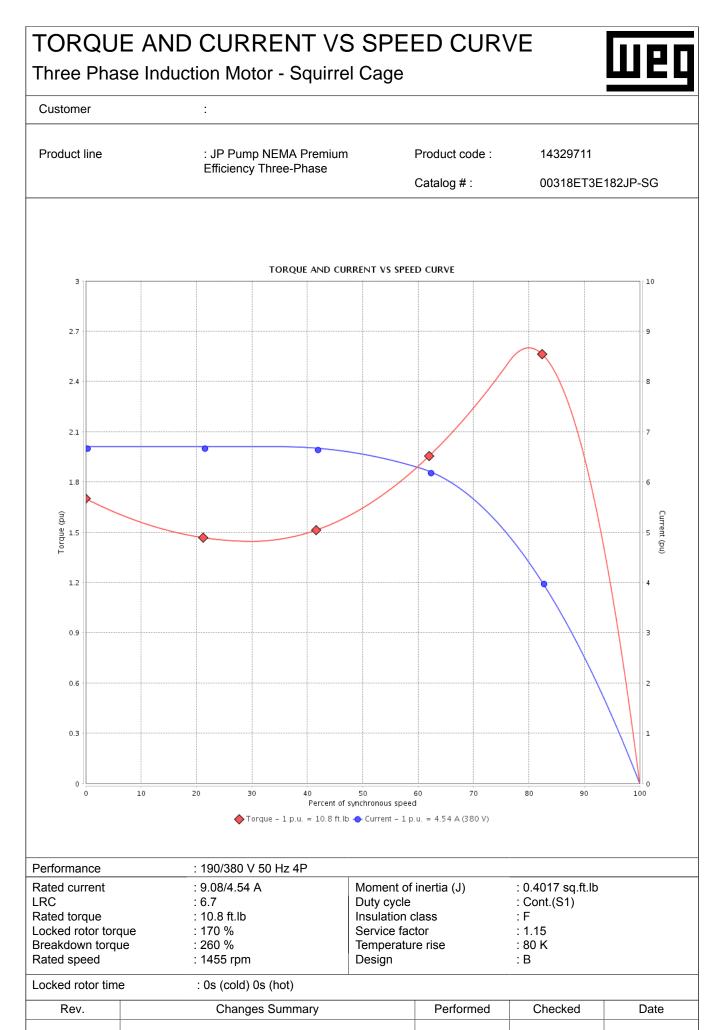
:



Customer

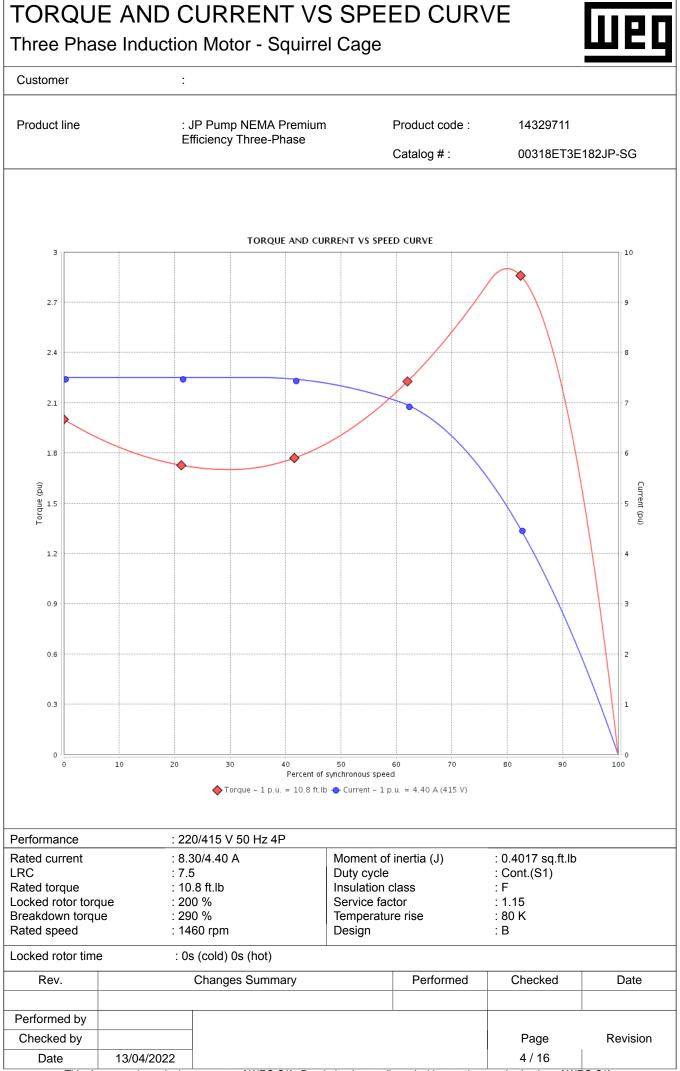
Product line		: JP Pump NEMA Premium	Product code :	14329711 00318ET3E182JP-SG	
		Efficiency Three-Phase	Catalog # :		
Frame		: 182/4JP	Cooling method	: IC411 - TEFC	
Insulation class		: F	Mounting	: F-1	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	laic	: 1000 m.a.s.l.	Approx. weight ³	: 80.3 lb	
	•	: IP55	Moment of inertia (J)	: 0.4017 sq.ft.lb	
Protection degree Design		: B		. 0.4017 Sq.11.10	
Output [HP]		3	3	3	
oles		4	4	4	
requency [Hz]		60	50	50	
ated voltage [V]		230/460	190/380	220/415	
ated current [A]		7.62/3.81	9.08/4.54	8.30/4.40	
R. Amperes [A]		67.1/33.5	60.8/30.4	62.3/33.0	
RC [A]			6.7x(Code H)	7.5x(Code J)	
		8.8x(Code K)			
o load current [A		4.00/2.00	3.95/1.97	3.99/2.11	
ated speed [RPN	//j	1765	1455	1460	
lip [%]		1.94	3.00	2.67	
ated torque [ft.lb]]	8.93	10.8	10.8	
ocked rotor torqu		220	170	200	
reakdown torque		300	260	290	
ervice factor	[/9]	1.15	1.15	1.15	
		80 K	80 K	80 K	
emperature rise					
ocked rotor time		32s (cold) 18s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
loise level ²		56.0 dB(A)	53.0 dB(A)	53.0 dB(A)	
	25%	86.4	88.2	87.8	
	50%	87.5	87.5	87.2	
Efficiency (%)	75%	88.5	87.7	87.9	
	100%	89.5	86.7	87.0	
	25%	0.36	0.42	0.39	
Power Factor	50%	0.61	0.68	0.65	
	75%	0.74	0.79	0.77	
	100%	0.81	0.85	0.83	
Bearing type		<u>Drive end</u> <u>Non drive en</u> : 6207 ZZ 6205 ZZ		. 400 lb	
				: 160 lb	
Sealing		: V'Ring Without Bearing Se		: 240 lb	
Lubrication interv	/al	:			
Lubricant amoun		:			
Lubricant type		: Mobil Polyrex EM			
Eastication					
Notoo					
Notes USABLE @208V	8.43A SF 1.	00 SFA 8.43A			
	8.43A SF 1.	00 SFA 8.43A			
	8.43A SF 1.	00 SFA 8.43A			
USABLE @208V		00 SFA 8.43A	These are average values b	ased on tests with sinusoidal	
USABLE @208V	aces and car				
USABLE @208V This revision repla must be eliminate	aces and car	ncel the previous one, which		ased on tests with sinusoidal tolerances stipulated in NEMA	
USABLE @208V This revision repla must be eliminate (1) Looking the m	aces and car ed.	ncel the previous one, which	power supply, subject to the		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. lotor from the	ncel the previous one, which e shaft end. colerance of +3dB(A).	power supply, subject to the		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	aces and car ed. lotor from the Im and with t veight subject	ncel the previous one, which	power supply, subject to the		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. colerance of +3dB(A).	power supply, subject to the		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA	
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. colerance of +3dB(A).	power supply, subject to the		
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA	
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	tolerances stipulated in NEMA Checked Date	
USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and car ed. lotor from the Im and with t veight subject pocess.	ncel the previous one, which e shaft end. colerance of +3dB(A). ct to changes after Changes Summary	power supply, subject to the MG-1.	tolerances stipulated in NEMA	





Performed by Checked by Page Date 13/04/2022 3/16 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

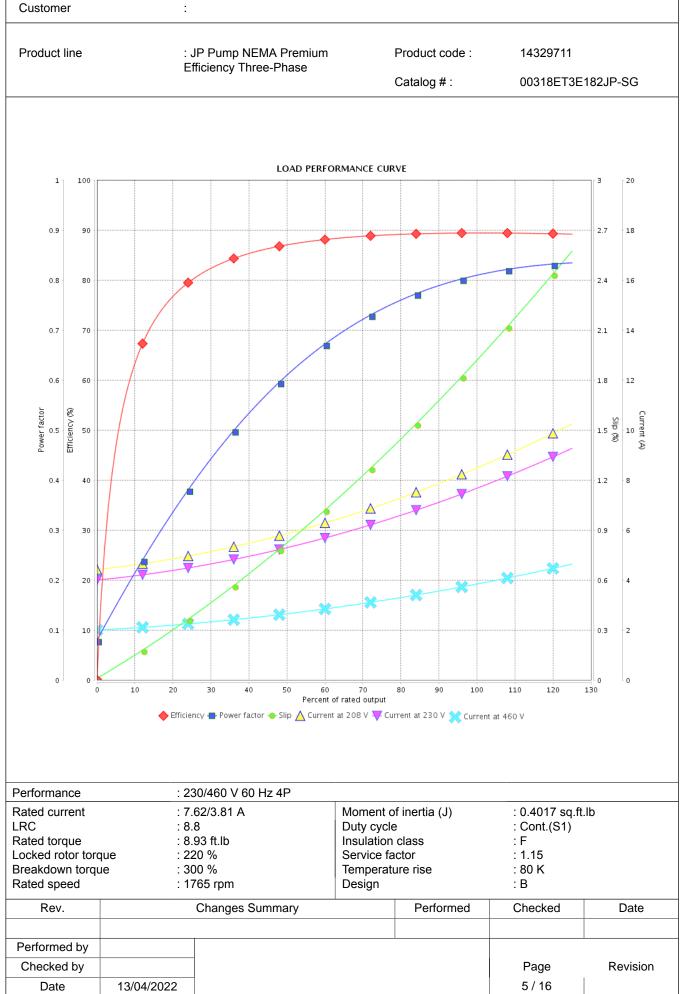
Revision



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

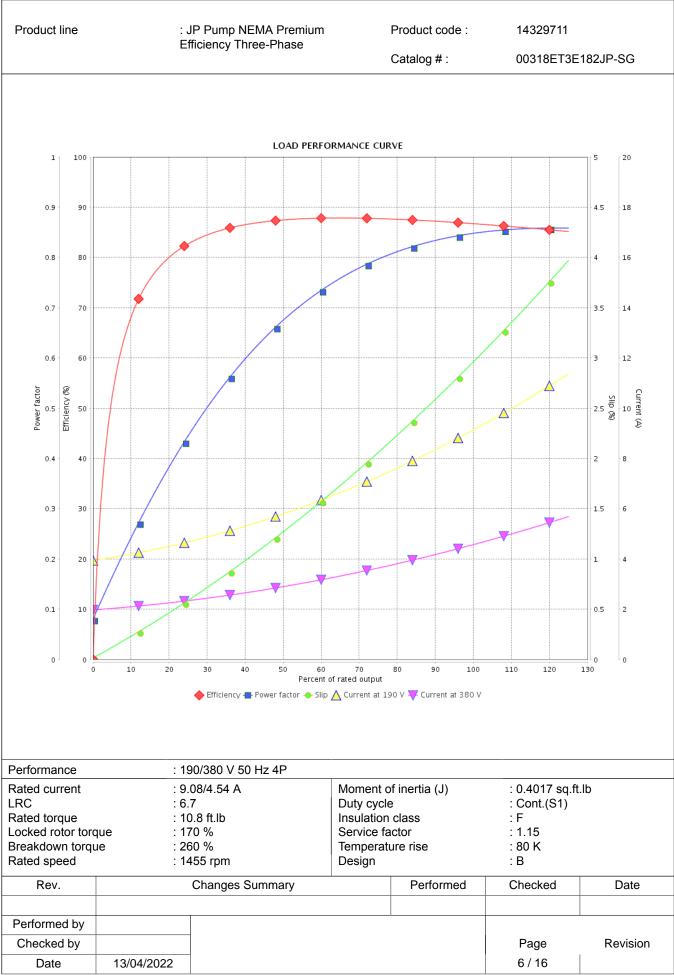
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



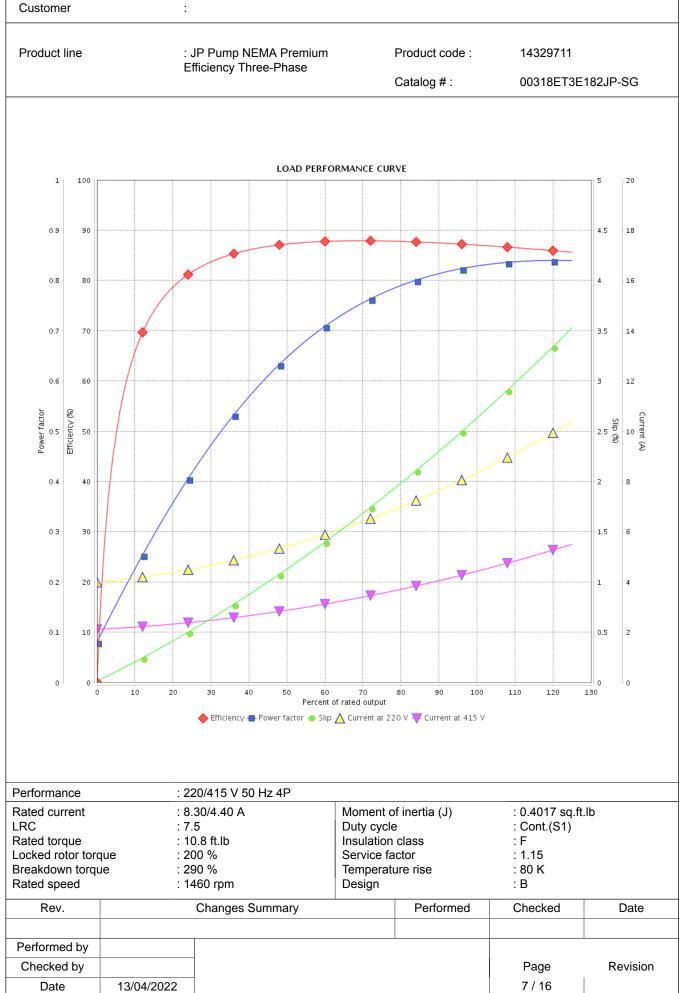
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

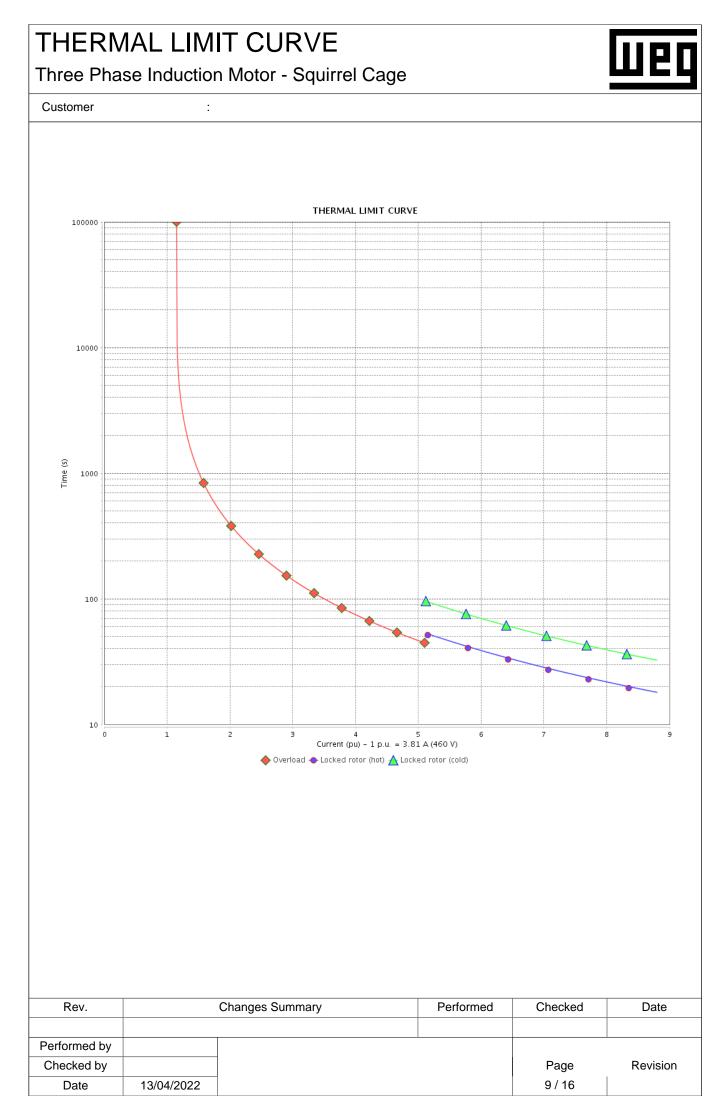


Customer

Product line		: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14329711	
				Catalog # :	00318ET3E1	82JP-SG
Performance	: 23	30/460 V 60 Hz 4P				
Rated current		.62/3.81 A		f inertia (J)	: 0.4017 sq.ft.	b
LRC Rated torque	: 8. · 8	.8 .93 ft.lb	Duty cycle Insulation	elass	: Cont.(S1) : F	
Locked rotor tore	jue : 22	20 %	Service fa	ctor	: 1.15	
Breakdown torqu Rated speed		00 % 765 rpm	Temperatu Design	ure rise	: 80 K : B	
			Design		. U	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
1.07.		changee cummary		i chomica	Checked	Duit
Performed by						
Checked by		-			Page	Revision
Date	13/04/2022	1			8 / 16	

 a
 13/04/2022
 8 / 16

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



THERMAL LIMIT CURVE

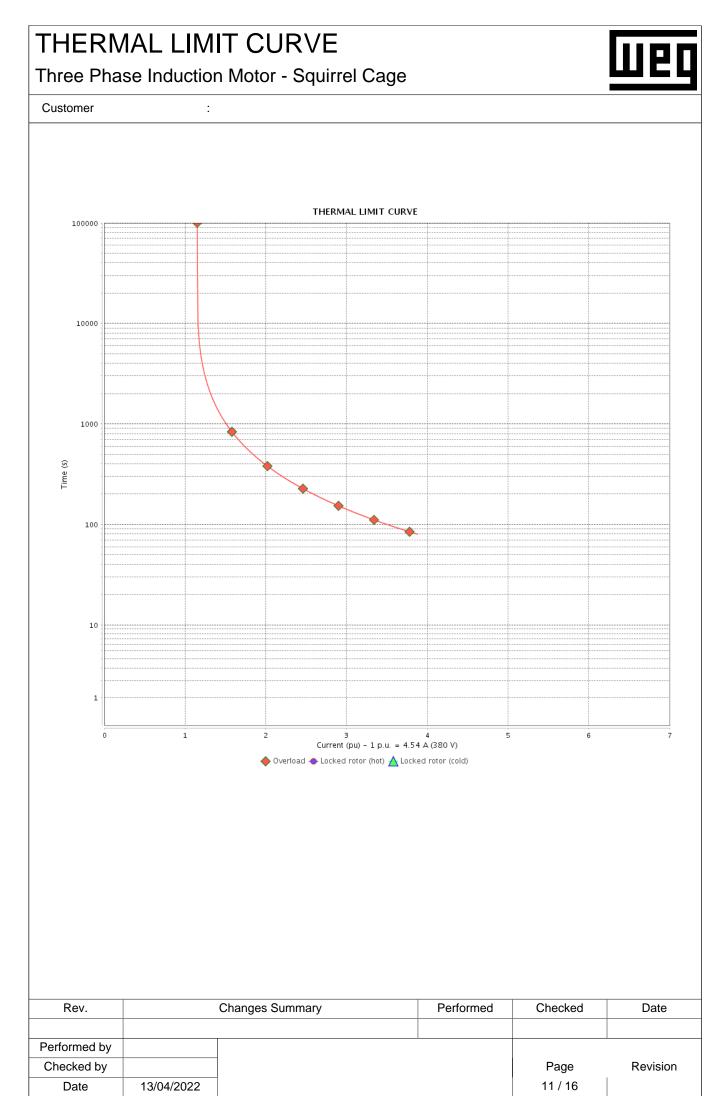
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14329711		
			Catalog # :	00318ET3E1	00318ET3E182JP-SG	
Performance	: 190/380 V 50 Hz 4P					
Rated current	: 9.08/4.54 A : 6.7	Moment o Duty cycle	f inertia (J)	: 0.4017 sq.ft.l : Cont.(S1)	b	
Rated torque: 10.8 ft.lbLocked rotor torque: 170 %		Insulation class: FService factor: 1.15Temperature rise: 80 K				
Breakdown torque : 260 % Rated speed : 1455 rpm		Design : B				
Heating constant Cooling constant						
Rev.	Changes Summary		Performed	Checked	Date	
Performed by						
Checked by Date 13/04/2022				Page 10 / 16	Revision	
	sive property of WEG S/A. Reprint	ting is not all	owed without written		G S/A.	



THERMAL LIMIT CURVE

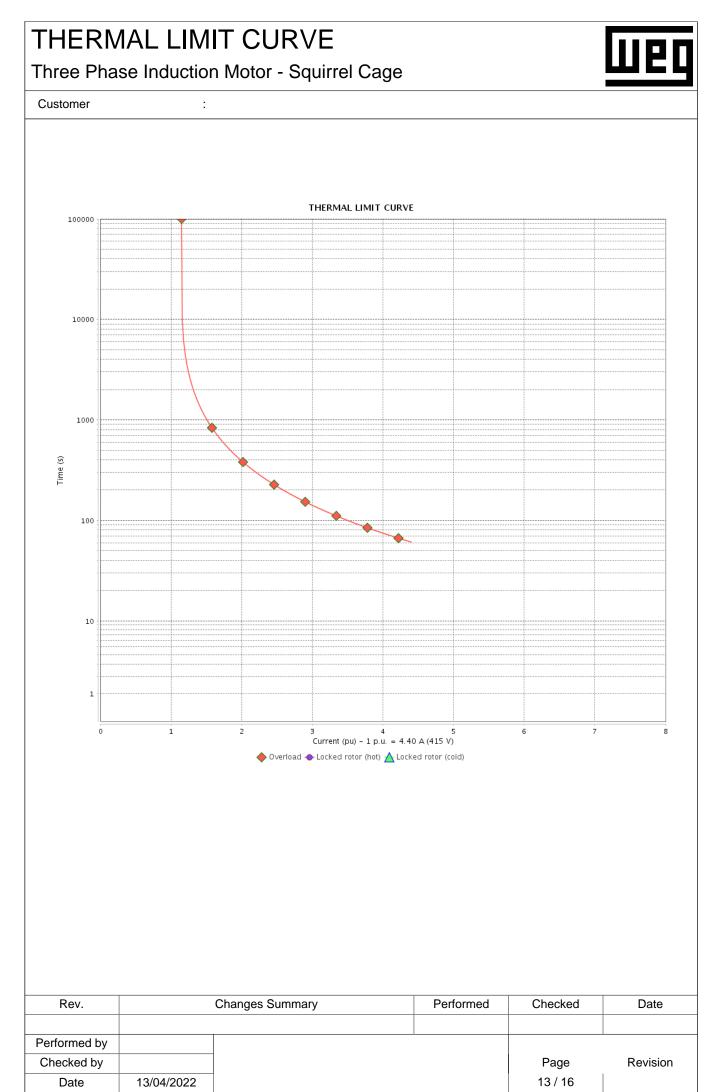
Three Phase Induction Motor - Squirrel Cage

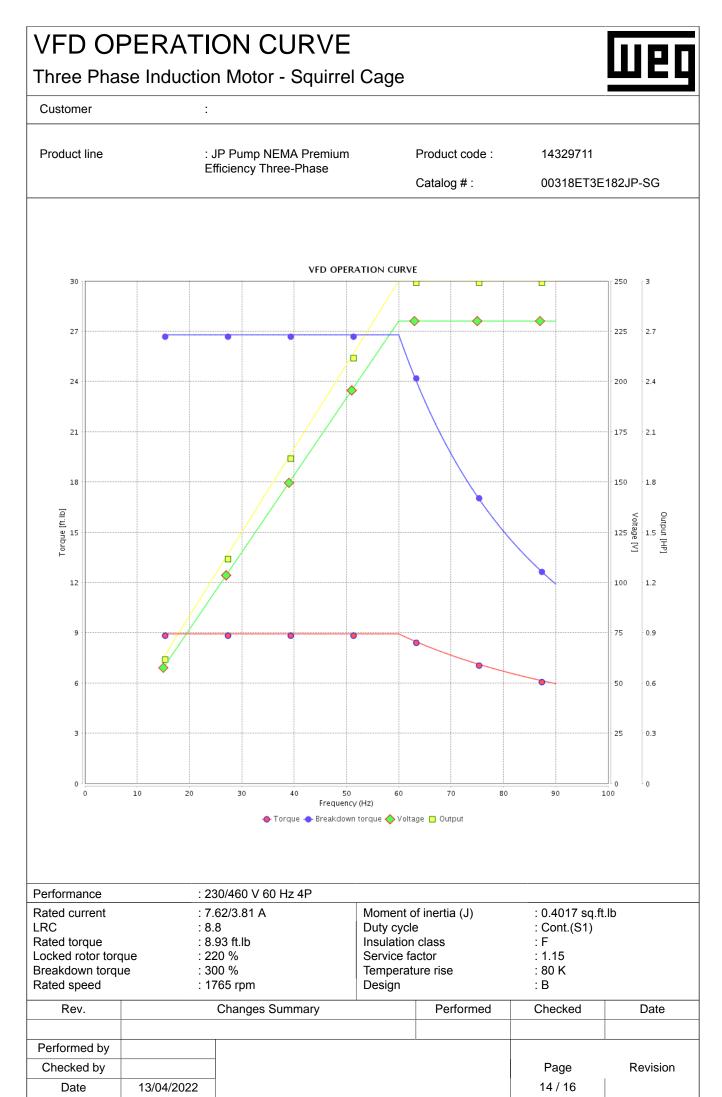
:



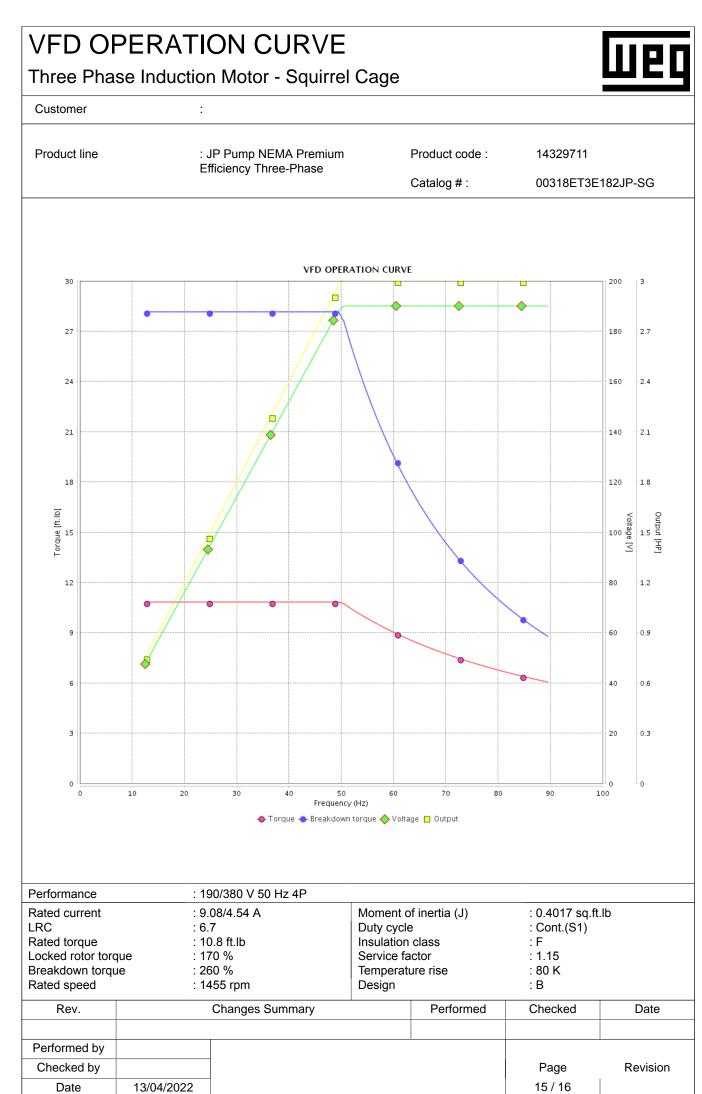
Customer

Product line : JP Pump NEMA Premium Efficiency Three-Phase						
		IP Pump NEMA Premium ficiency Three-Phase		Product code :	14329711	
		2		Catalog # :	00318ET3E	182JP-SG
Performance	: 22	20/415 V 50 Hz 4P				
LRC: 7.5Rated torque: 10.8Locked rotor torque: 200Breakdown torque: 290		0.8 ft.lb 00 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4017 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by					1	
Checked by					Page	Revision
Date	13/04/2022		·		12 / 16	0.0/4

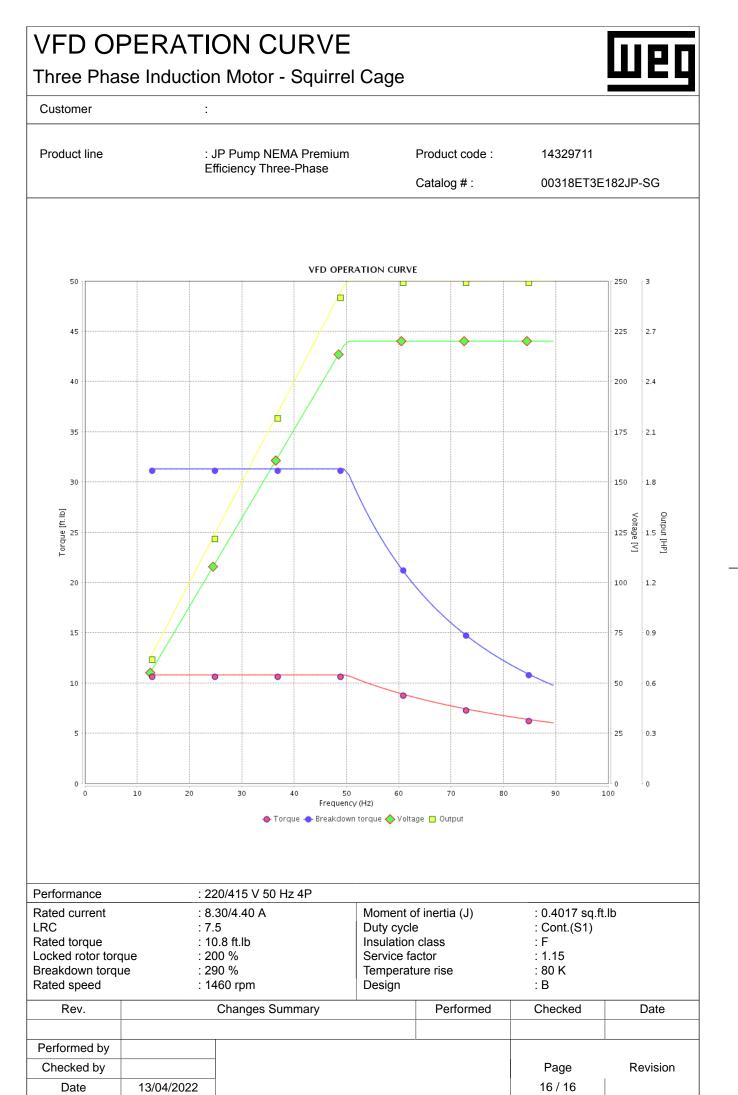


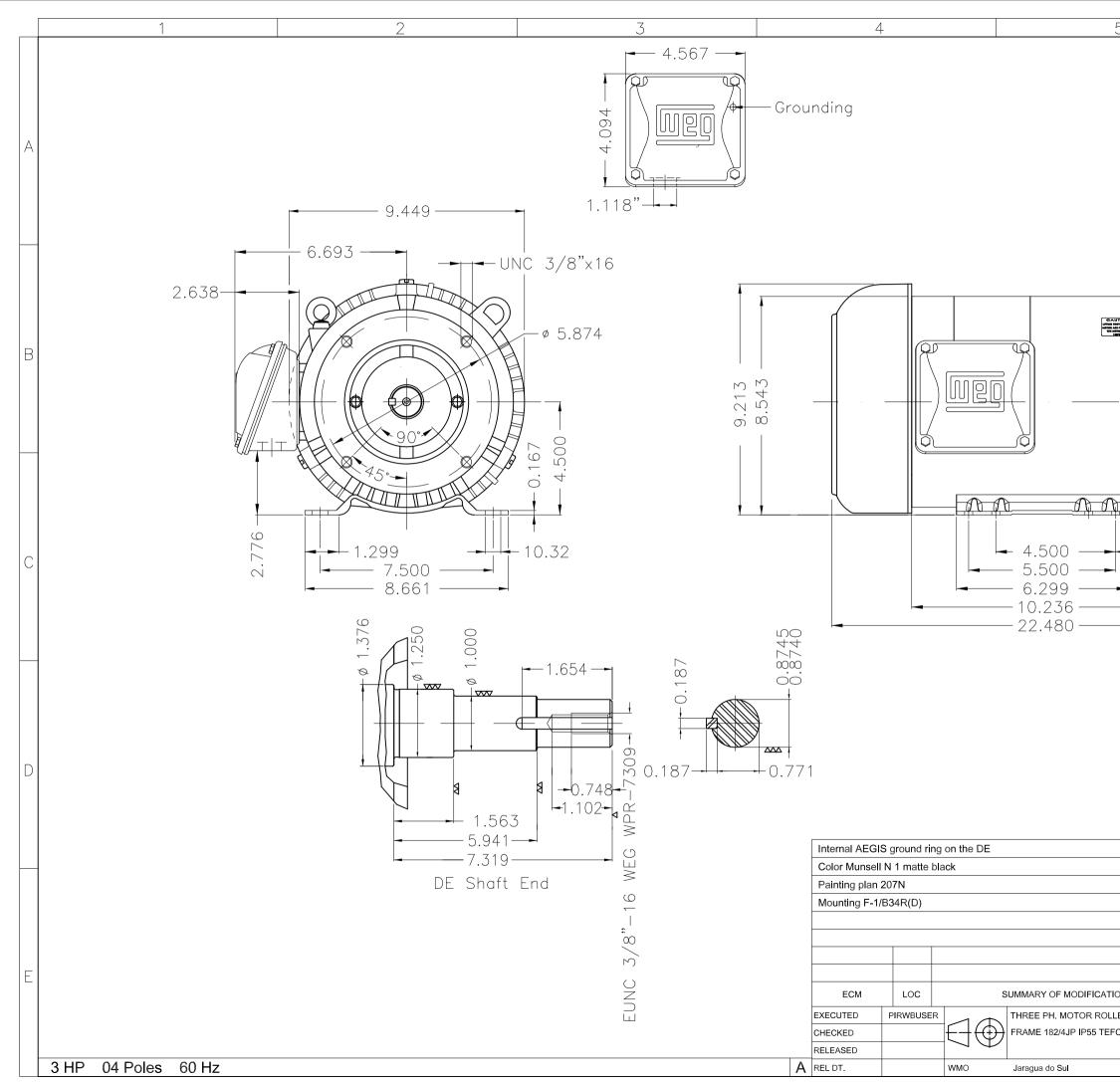


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.





WEG's property. Forbidden reproduction without previous authorization.

5			6		
	0.13	38		Ø 6.496	
					Dimensions in inches
LED STEEL CLOSE				DATE	VER
				Ше	A3
Produc	t Engineering	SHEET	1 / 1		XME