DATA SHEET

Three Phase Induction Motor - Squirrel Cage

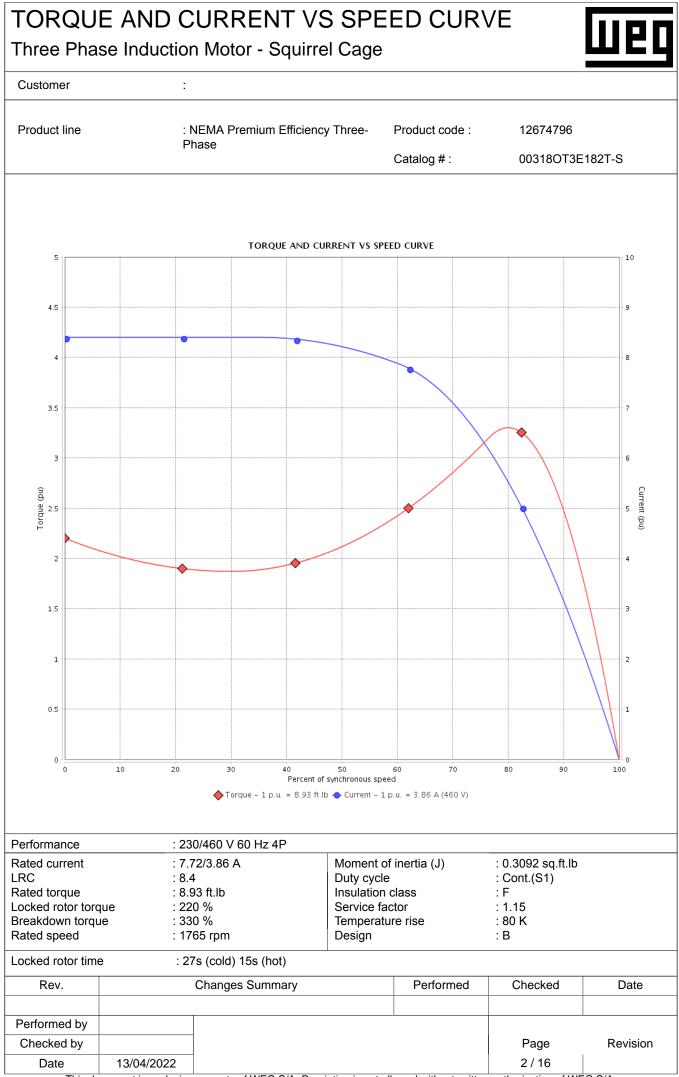
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Customer

Product line		: NEMA Premiur Phase	m Efficiency T	hree-	Product code :	12674796	
		i nuoc			Catalog # :	00318OT3E	182T-S
Frame		: 182/4T		Coolinc	g method	: IC01 - ODP	
Insulation class		: F		Mountir		: F-1	
Duty cycle		: Cont.(S1)			: Both (CW	and CCW)	
Ambient tempera	ature	: -20°C to +40°C	2	Starting method Approx. weight ³		: Direct On	
Altitude		: 1000 m.a.s.l.				: 69.1 lb	-
Design		: B			: 0.3092 sq		
Output [HP]		3			3		3
Poles		4			4		4
Frequency [Hz]		60			50		50
Rated voltage [V]		230/46			190/380		20/415
Rated current [A]		7.72/3.			9.08/4.54		41/4.46
L. R. Amperes [A]		64.8/32	2.4		58.1/29.1		.7/31.7
LRC [A]		8.4x(Coo		(6.4x(Code H)		(Code J)
No load current [A]	4.14/2.			4.08/2.04		20/2.22
Rated speed [RPN		1765	5		1460		1465
Slip [%]	-	1.94			2.67		2.33
Rated torque [ft.lb]	1	8.93			10.8		10.8
Locked rotor torqu		220			150		170
Breakdown torque		330			240		280
Service factor	r]	1.15			1.15		1.15
Temperature rise		80 K			80 K		80 K
Locked rotor time		27s (cold) 1		٥	s (cold) 0s (hot)		ld) 0s (hot)
Noise level ²		55.0 dB		03	53.0 dB(A)		0 dB(A)
	25%	86.4	· · /		85.6		88.0
	50%	87.5			86.0		87.3
Efficiency (%)	75%	88.5			86.5		87.9
	100%	89.5			86.7		86.9
	25%	0.35			0.42		0.37
	25% 50%	0.35			0.42		0.37
Power Factor	50% 75%	0.60			0.68		0.63
	100%	0.73			0.79		0.76
	100%			F - 1			0.02
Description			Non drive end		tion loads		
Bearing type		: 6206 ZZ	6205 ZZ	Max. tra		: 158 lb	
Sealing		: Without	Without	Max. co	mpression	: 227 lb	
		Bearing Seal	Bearing Seal				
Lubrication interv		: -	-				
Lubricant amoun	t	: -	-				
Lubricant type		: Mobil Pol	yrex EM				
Notes USABLE @208V	8.54A SF 1.0	00 SFA 8.54A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with to veight subjec ocess.	cel the previous o shaft end. olerance of +3dB(<i>i</i> t to changes after			re average values upply, subject to th		
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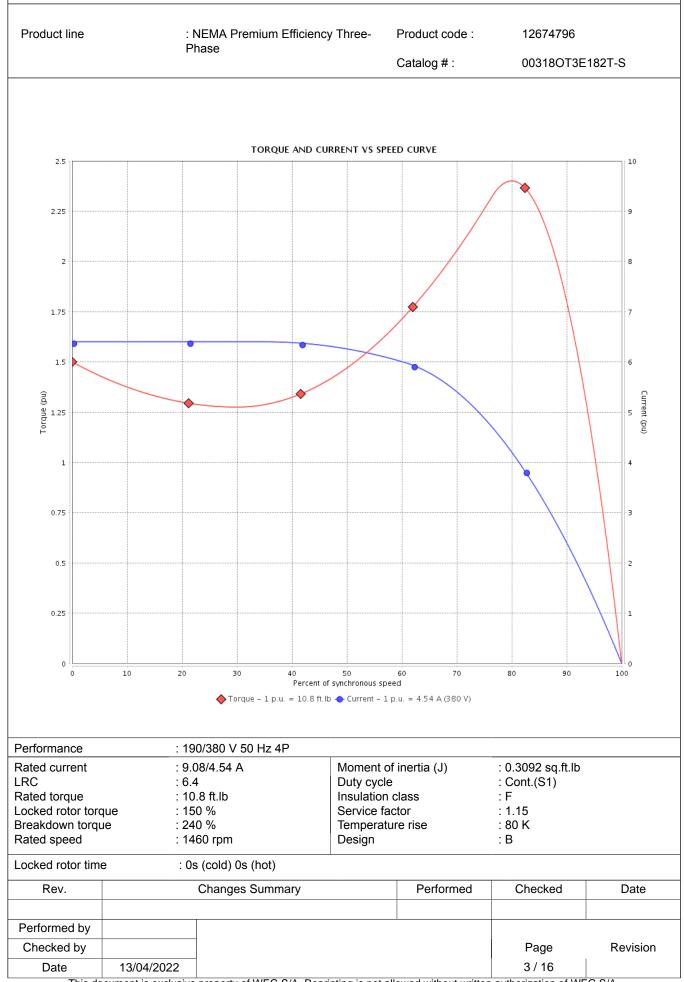
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

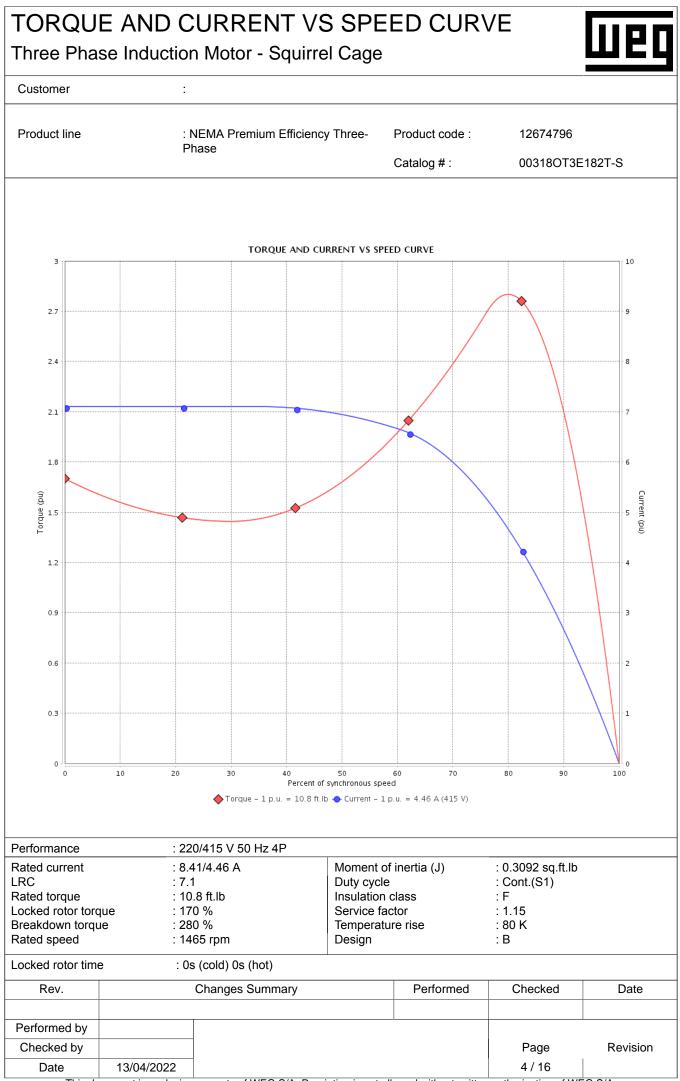
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Customer



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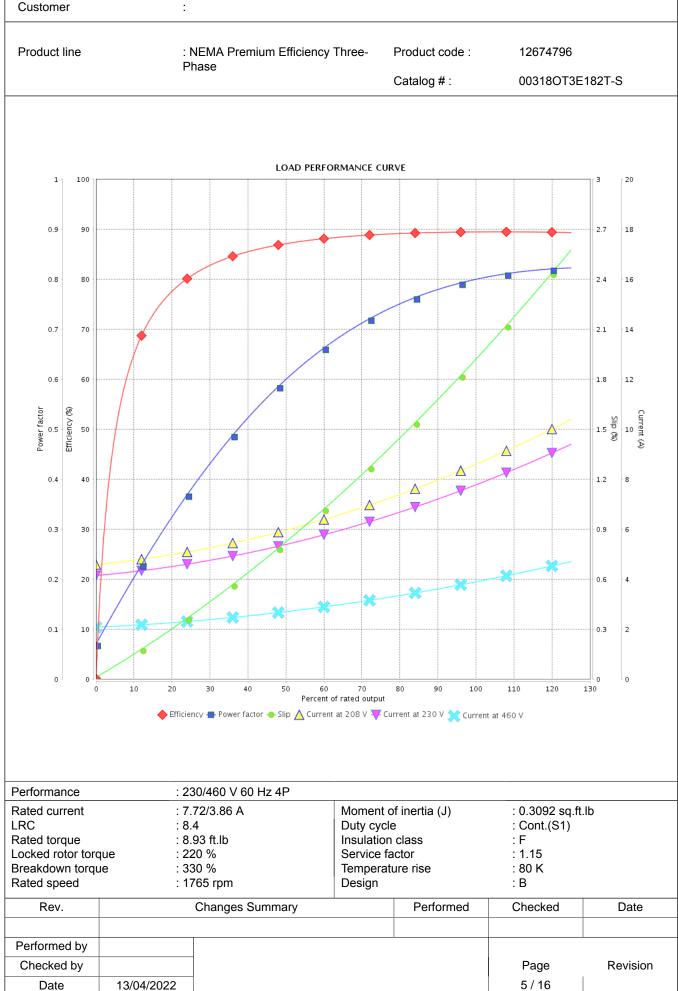


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LOAD PERFORMANCE CURVE

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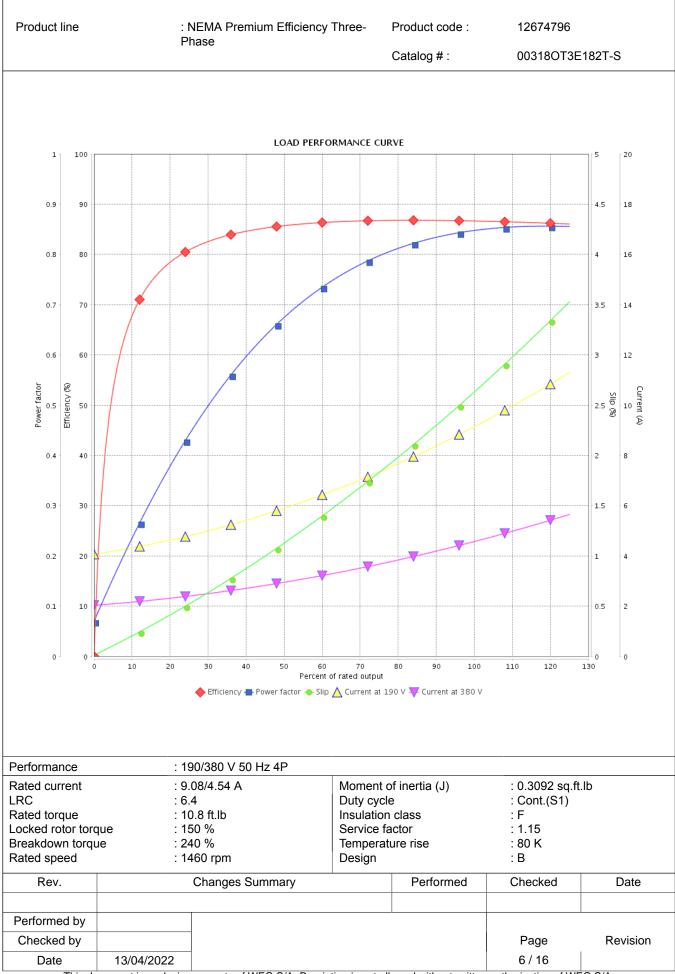
LOAD PERFORMANCE CURVE

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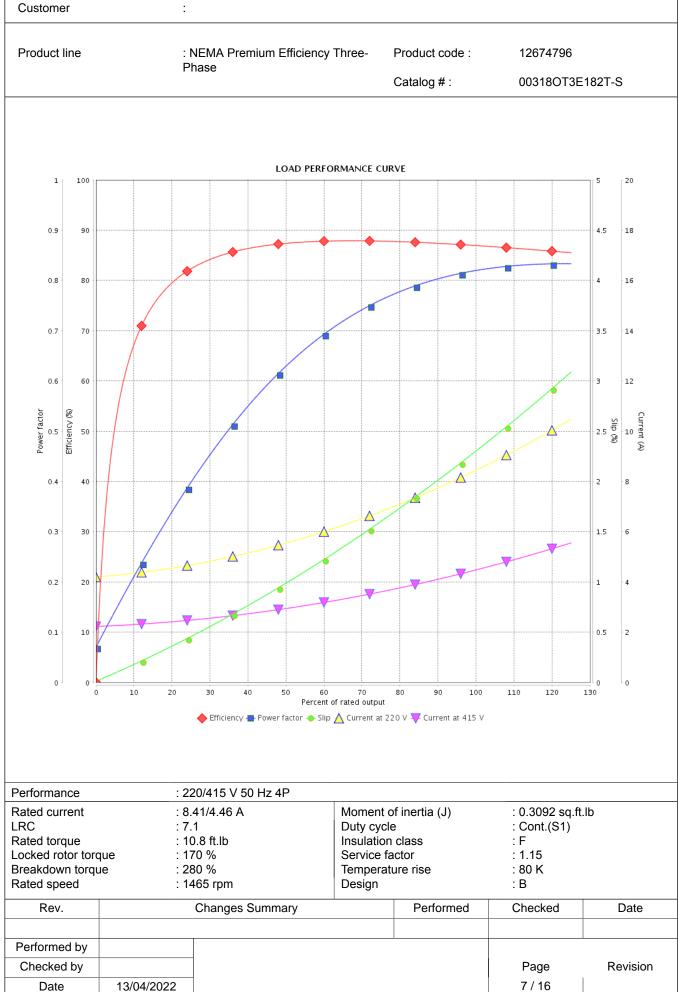
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LOAD PERFORMANCE CURVE

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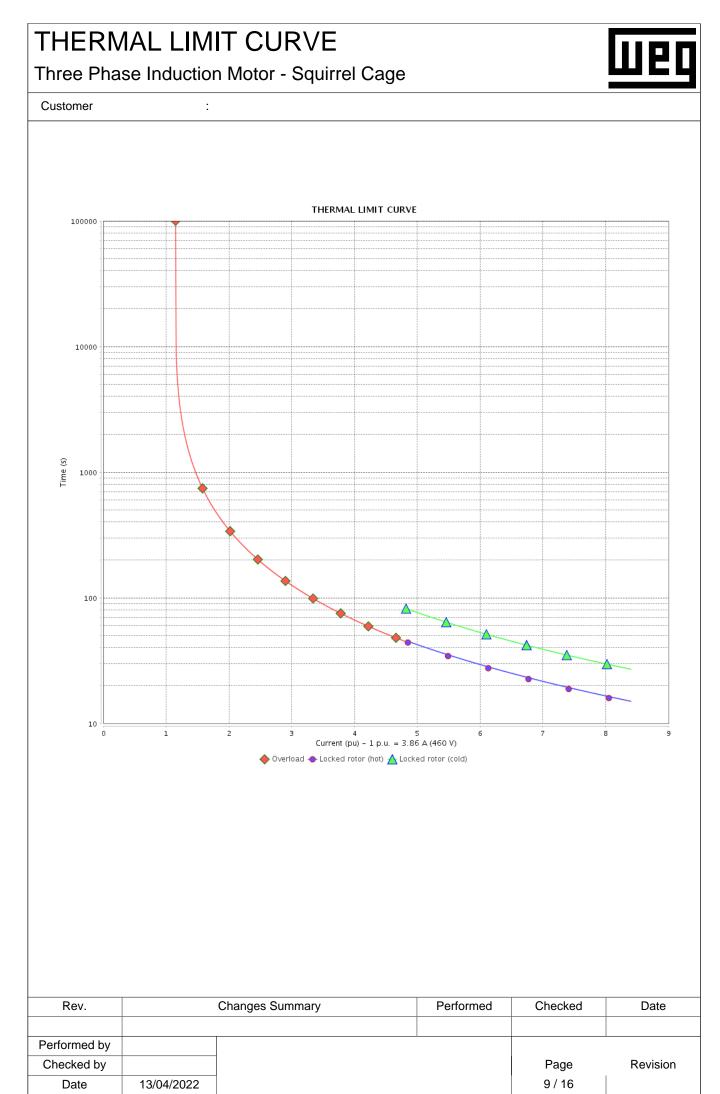
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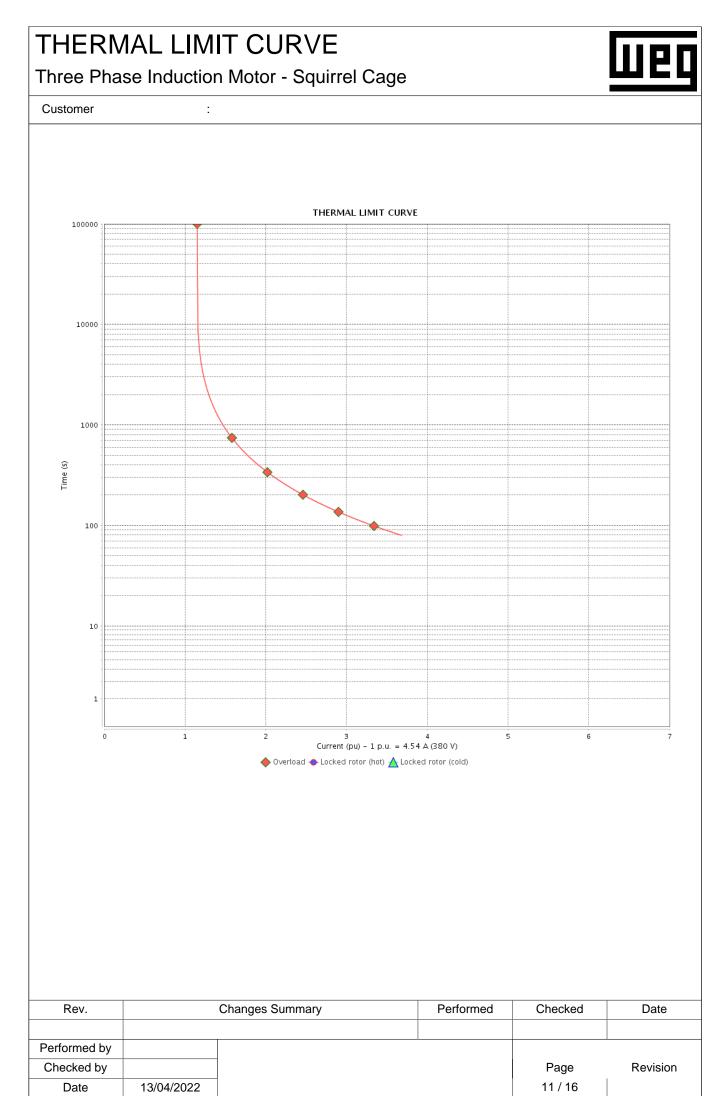
THERMAL L	IMIT CURVE		luen
Three Phase Indu	ction Motor - Squirrel Cage)	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674796
		Catalog # :	00318OT3E182T-S

Performance	: 2:	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 8 : 8 : 8 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2	.72/3.86 A .4 .93 ft.lb 20 % 30 % 765 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.3092 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	.lb
Heating constan						
Cooling constant	t					1
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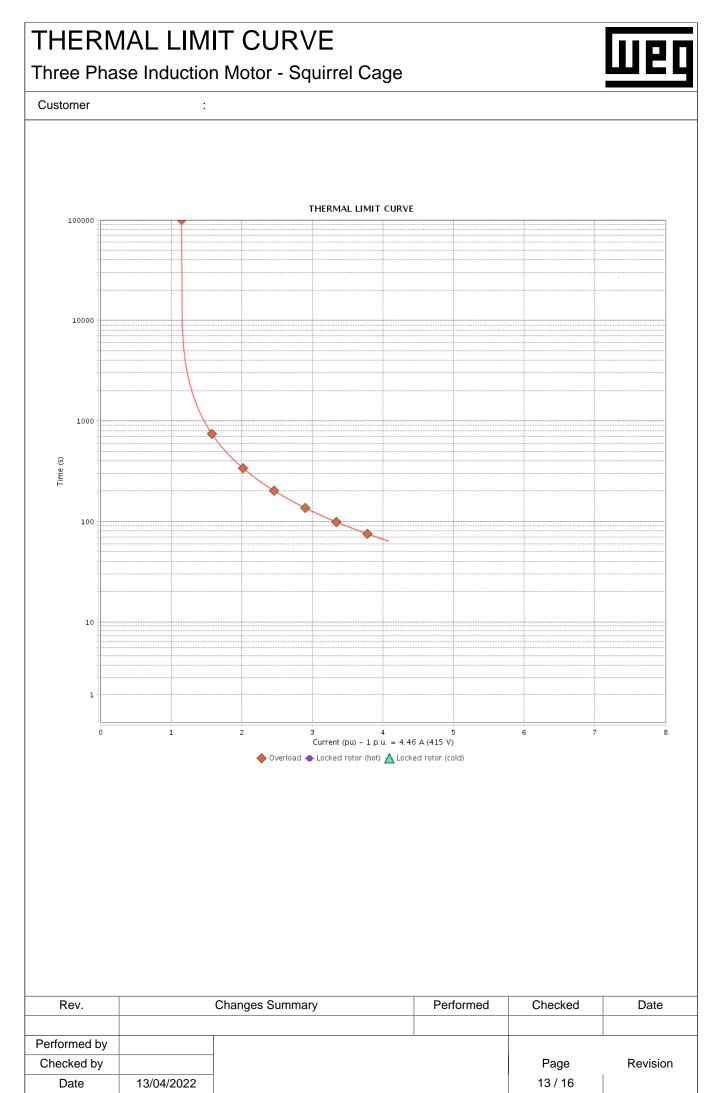
THERMAL	LIMIT CURVE		
Three Phase I	nduction Motor - Squirrel Cage	;	шед
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674796
		Catalog # :	00318OT3E182T-S

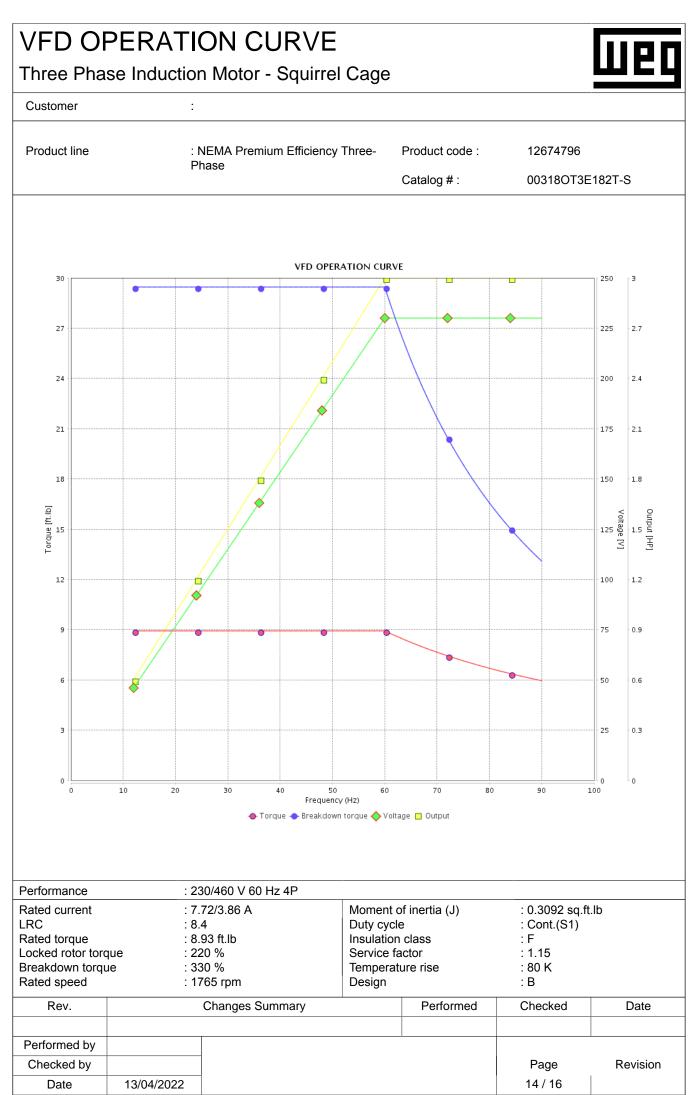
Performance	: 1	90/380 V 50 Hz 4P				
Rated current	: 9	0.08/4.54 A	Moment o	f inertia (J)	: 0.3092 sq.ft	lb
LRC	: 6	5.4	Duty cycle	9	: Cont.(S1)	
Rated torque	: 1	0.8 ft.lb	Insulation	class	: F	
Locked rotor tore	que :1	50 %	Service fa	ctor	: 1.15	
Breakdown torqu	.e :2	240 %	Temperati	ure rise	: 80 K	
Rated speed	: 1	460 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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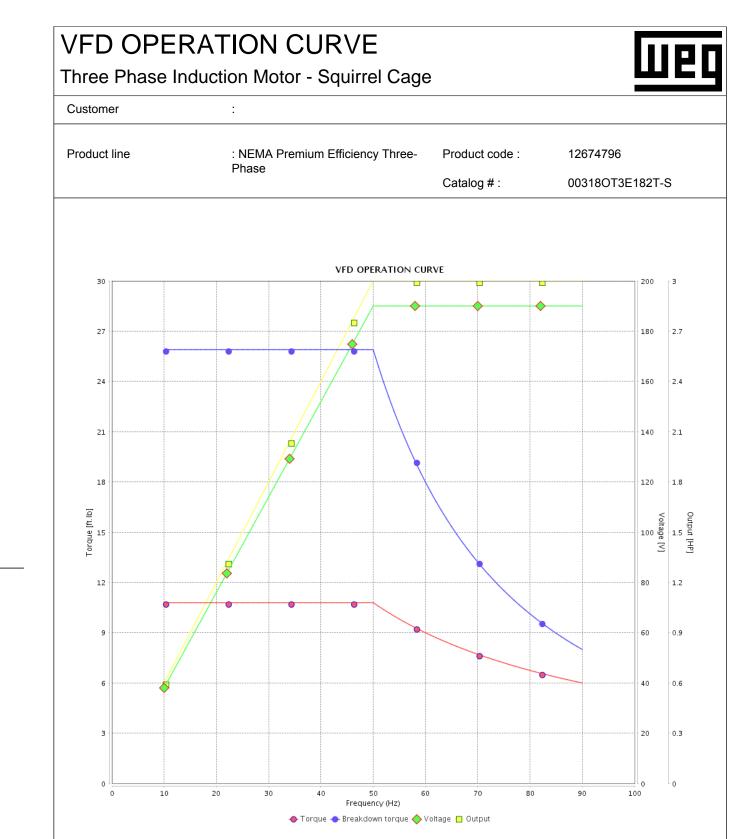
THERMAL L	IMIT CURVE		
Three Phase Indu	iction Motor - Squirrel Cage	;	шс
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12674796
	1 11400	Catalog # :	00318OT3E182T-S

Performance		: 220/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	lue le	: 8.41/4.46 A : 7.1 : 10.8 ft.lb : 170 % : 280 % : 1465 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ictor	: 0.3092 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constant						
Cooling constant						
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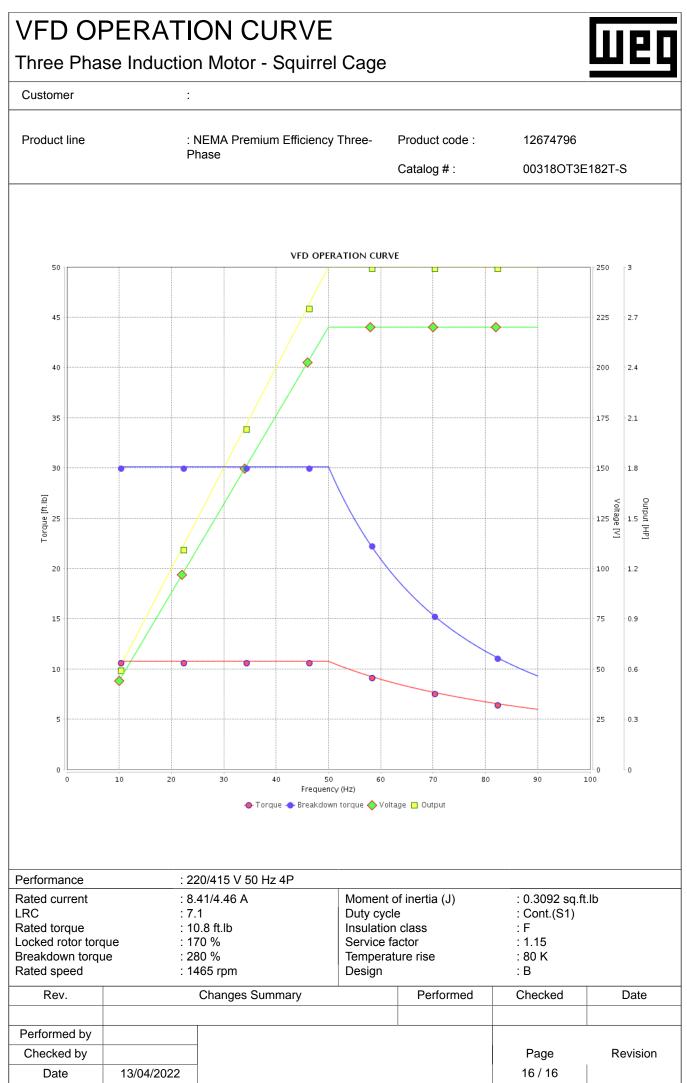


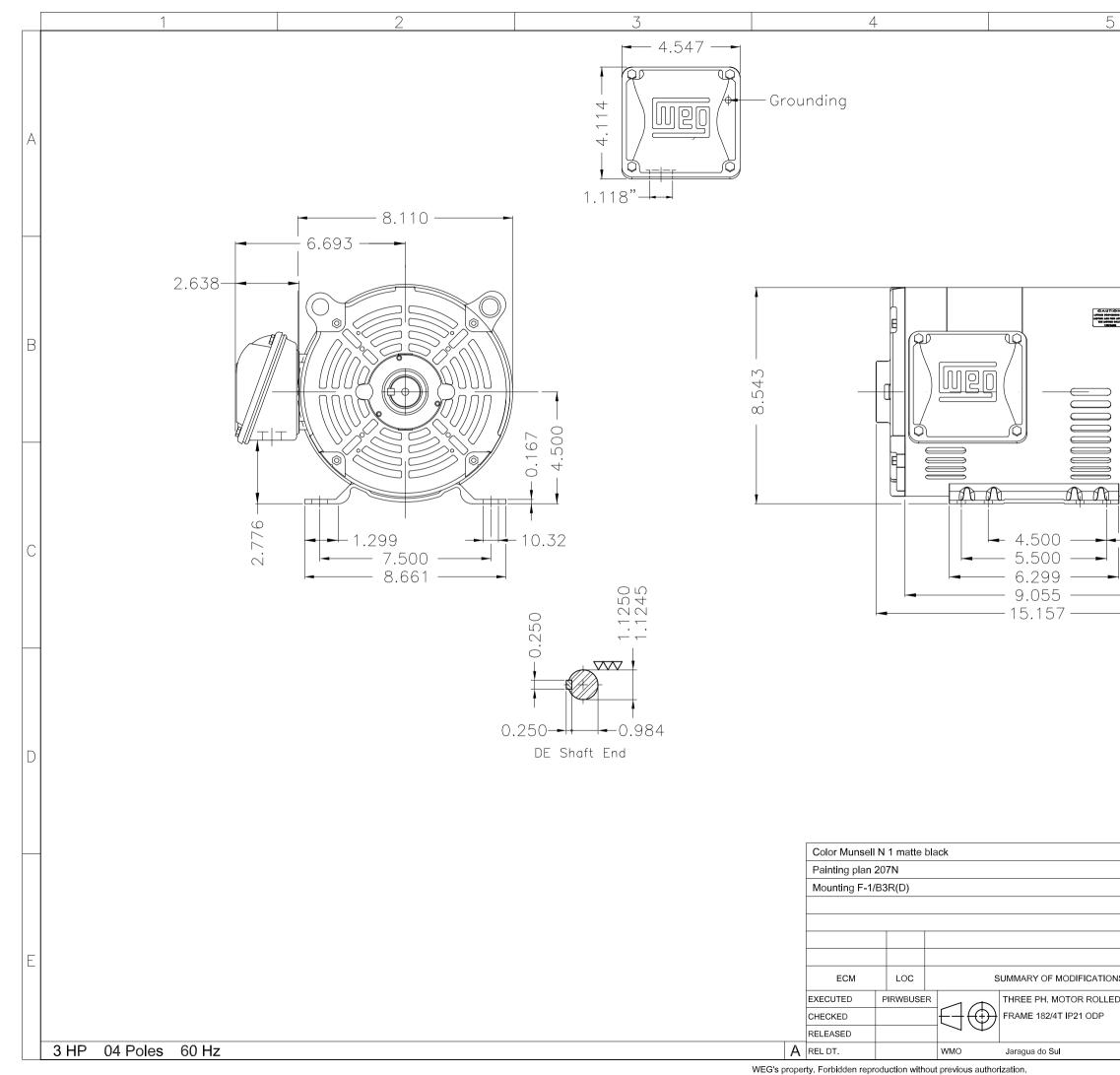


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Performance		: 190/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	e	: 9.08/4.54 A : 6.4 : 10.8 ft.lb : 150 % : 240 % : 1460 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.3092 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Rev.		Changes Summary		Performed	Checked	Date
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		 1.969 2.750 				Dimensions in inches
					+	
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL PREM. E	L					
)		PREV		110		A3
		WDD		ШВ	4	
Product	t Engineering	SHEET	1 / 1			XME
FIGUUC			· / '			×

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MADE IN MÉXICO MAT: 12674796 CC029A	ر ا
W01.TO0IC0X0N	,,
MODEL 003180T3E182T-S 20APR2022 S/N·	
F	HP 3.0
FR 182/4T	_
DUTY CONT.	
ALT 1000 m.a.s.l	
INS CL F AT 80K	-
DES	SF 1.15 DE 0.80
ENCL ODP CODE K	
USABLE @ 208V 8.54A	NEMA B9.5%
ALTERNATE RATING: 3.0HP 5 9.08-8.17/4.54-4.33A 146	50Hz 190-220/380-415V SF1.15 1460RPM EFF 86.7% (IE3) IEC 60034-1
Inverter duty motor For 6	te on VPWM 1000:1 VT, 5:1
DE 6206-ZZ ODE 6205-ZZ	MOBIL POLYREX EM
TA TE TE	TA T5 T6
)
WIN PLANE TRANSFER	
	i n
INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATOM WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical	HANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION NUNC. MOOT must be promised in accordance with the and maloral electrical codes to privent reflous electrical
21 shocks. Disconnect powel	shocks. Disconnect power source before servicing unit.
conformément aux codes électriques lo caux en la verse line se ser se conformément aux codes électrique lo caux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretten de la machine.	moveu out ere fille a ta ter e La ci nationaux afin d'évite tout antation avant l'entretien de la machine.