DATA SHEET

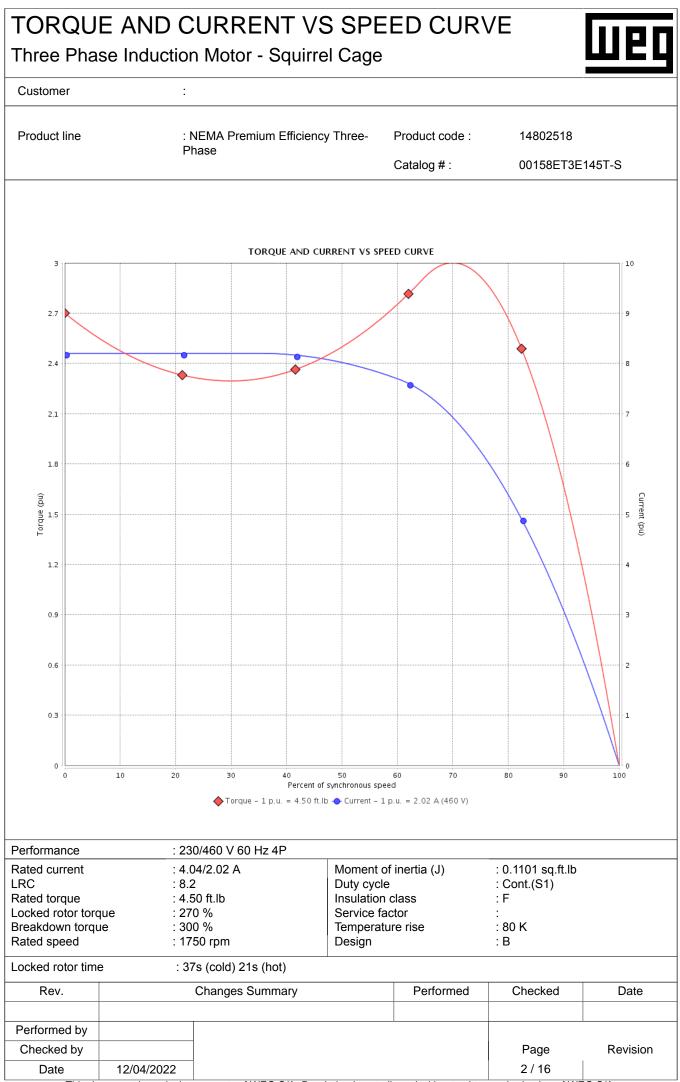
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line : NEMA Premium Efficiency Thre Phase		hree-	Product code :	14802518			
					Catalog # :	00158ET3E	145T-S
Frame		: 143/5T		Cooling	method	: IC411 - TE	FC
Insulation class		: F		Mountin		: F-1	
Duty cycle		: Cont.(S1)		Rotation	1	: Both (CW	and CCW)
Ambient tempera	ature	: -20°C to +40°	С	Starting	method	: Direct On	Line
Altitude		: 1000 m.a.s.l.		Approx.		: 38.7 lb	
Protection degre	е	: IP55			of inertia (J)	: 0.1101 sq.	ft.lb
Design	-	: B					
Dutput [HP]		1.5			1.5		1.5
Poles		4			4		4
Frequency [Hz]		60			50		50
Rated voltage [V]		230/4	160		190/380	22	20/415
Rated current [A]		4.04/2	2.02		4.82/2.41	4.3	38/2.32
. R. Amperes [A]		33.1/1			29.4/14.7		.3/15.5
RC [A]		8.2x(Co		6	.1x(Code H)		(Code J)
No load current [A	1	2.17/1		0	2.13/1.07		20/1.17
Rated speed [RPN	/I]	175			1420		1430
Slip [%]		2.7			5.33		4.67
Rated torque [ft.lb]		4.5			5.55		5.51
_ocked rotor torqu	ie [%]	270	DC		210		240
Breakdown torque		300	D C		250		280
Service factor					1.15		1.15
Temperature rise		80	ĸ		105 K		80 K
Locked rotor time				0-			
		37s (cold) 21s (hot)			(cold) 0s (hot)		ld) 0s (hot)
Noise level ²	0.50/	52.0 dB(A)			49.0 dB(A)		0 dB(A)
	25%	85.2			86.1		85.0
Efficiency (%)	50%	85.			84.7		84.2
Efficiency (%)	75%	86.5			84.7		84.9
	100%	86.5			82.7		83.6
	25%	0.3			0.41		0.37
	50%	0.59			0.67		0.62
Power Factor	75%	0.59			0.78		0.75
		0.72					
	100%				0.84		0.82
		Drive end	Non drive end	Foundati	on loads		
Bearing type		: 6205 ZZ	6203 ZZ	Max. trac	tion	: 115 lb	
Sealing		: V'Ring			npression	: 153 lb	
y		. vising	Bearing Seal			. 100 10	
Lubrication interv	/al		Dearing Ocal				
			-				
Lubricant amoun	it.	· -					
Lubricant type		: Mobil Po	olyrex EM				
Notes USABLE @208V	4.47A SF 1.	00 SFA 4.47A					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t veight subjec	e shaft end.	(A).		e average values pply, subject to the		
						_	_
manufacturing pro (4) At 100% of ful					Performed	Checked	Date
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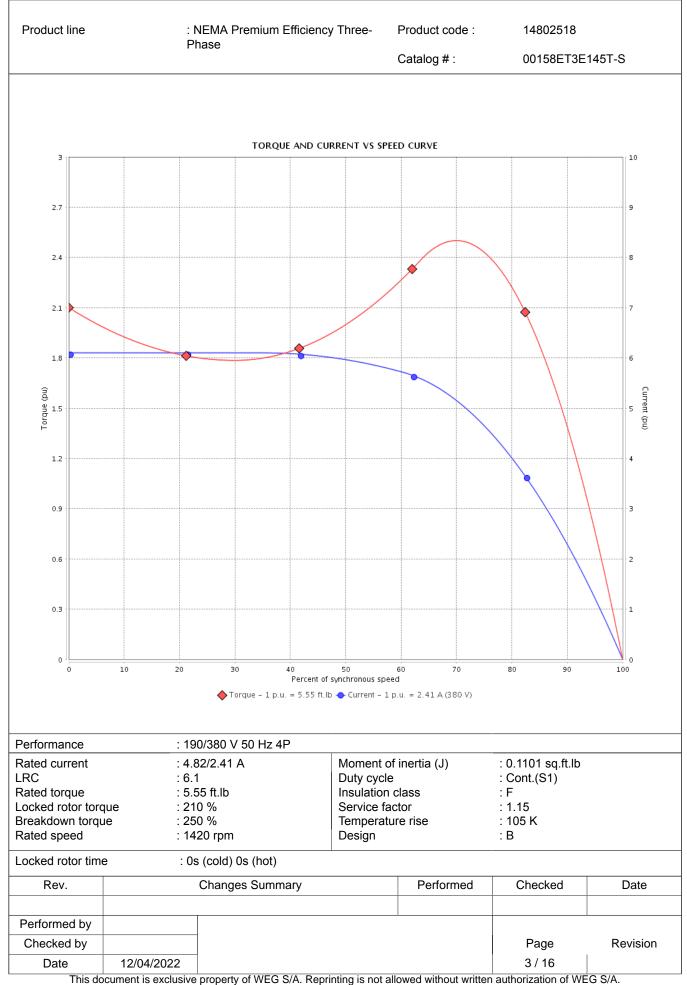
TORQUE AND CURRENT VS SPEED CURVE

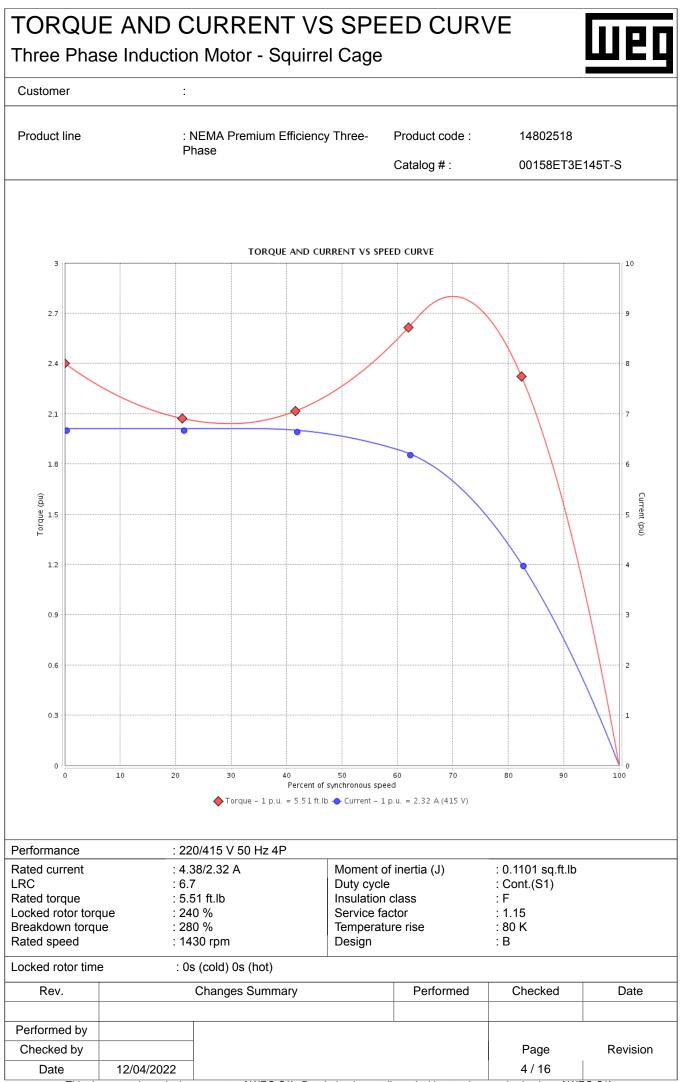
Three Phase Induction Motor - Squirrel Cage

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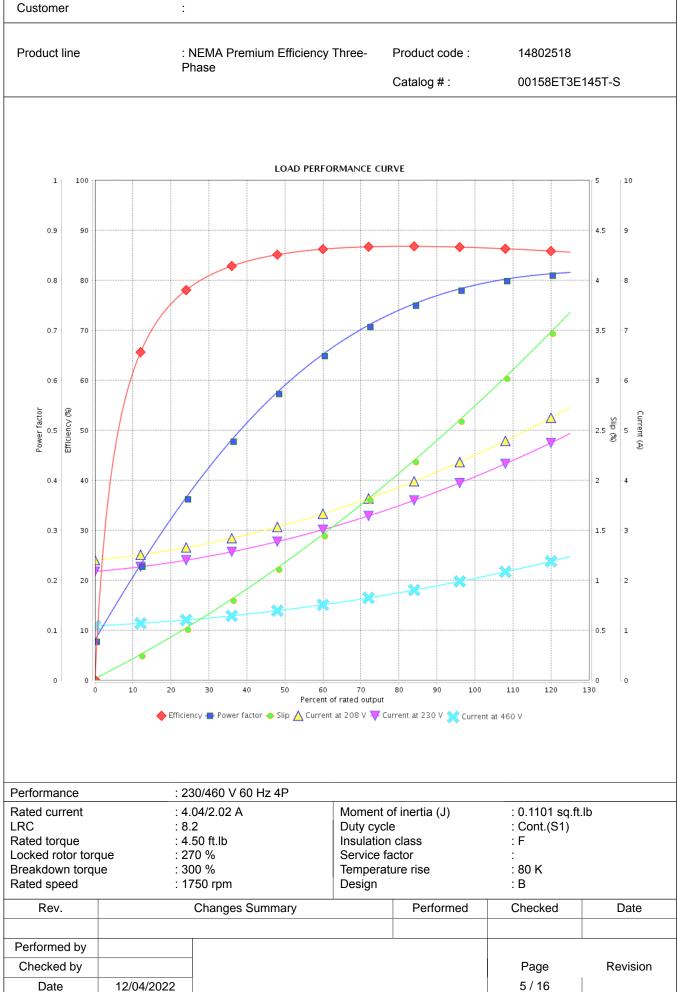




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Customer



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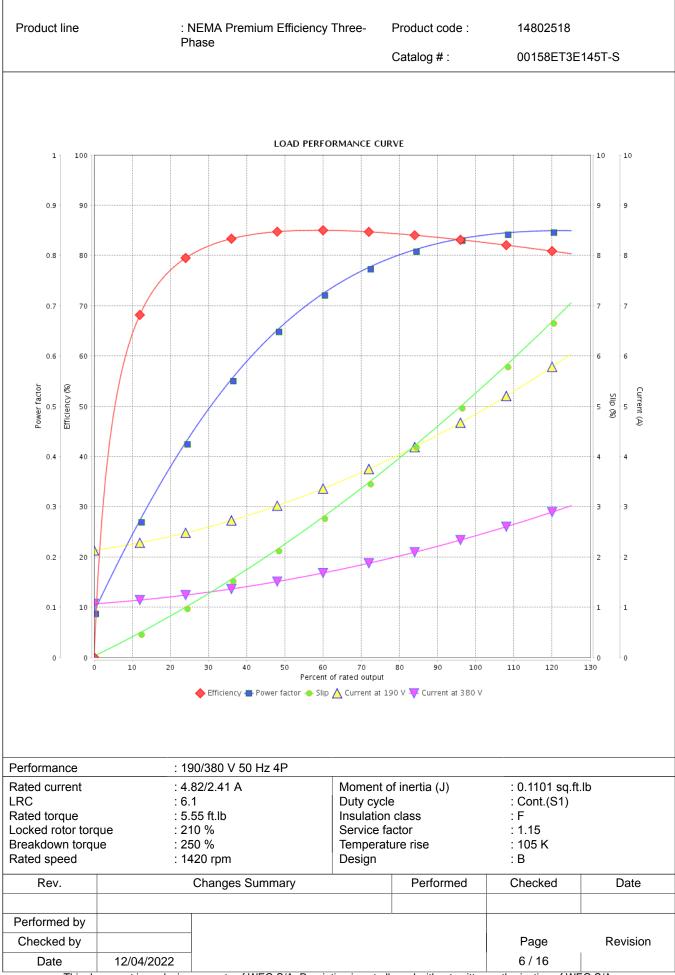
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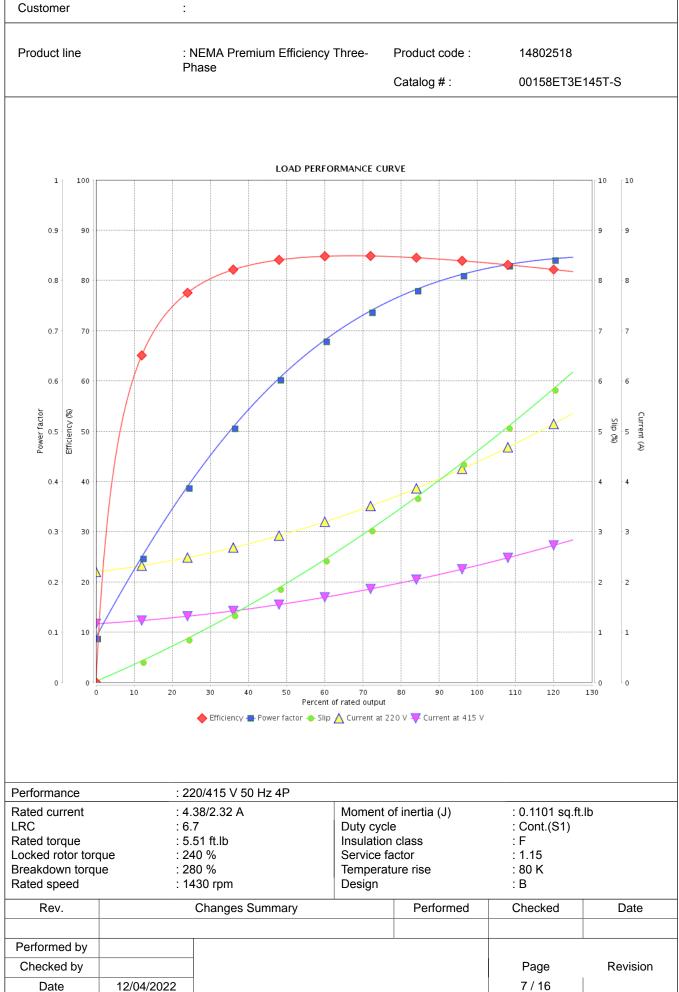
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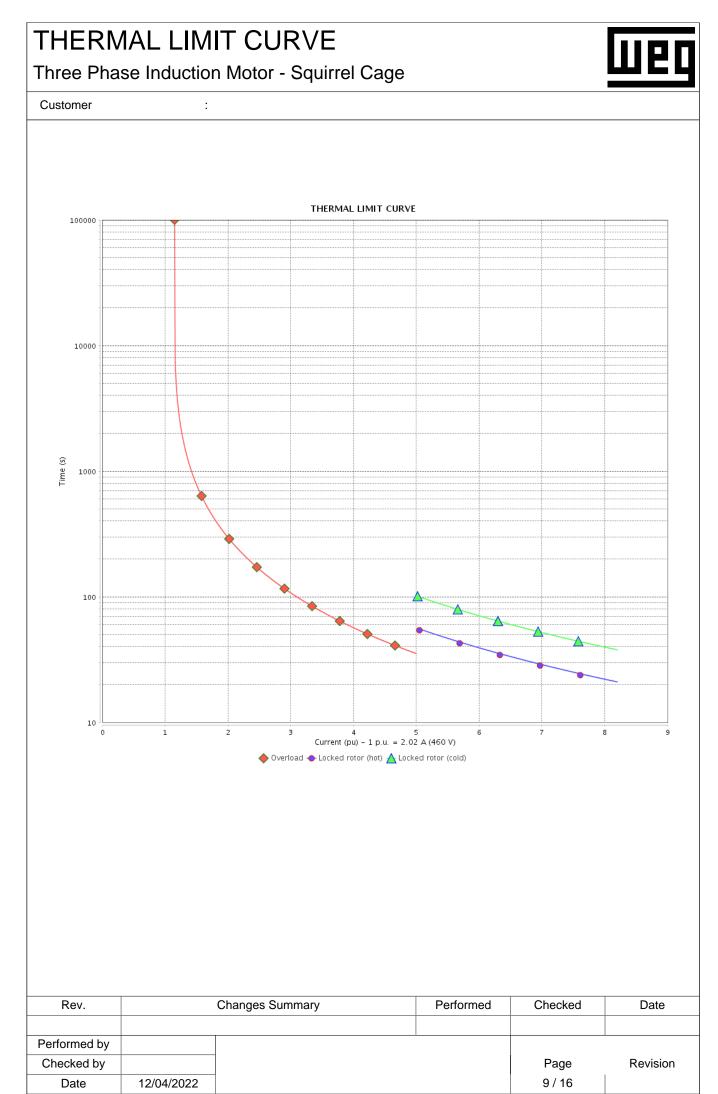


Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: NEMA Premium Effic	ciency Three-	Product code :	14802518	14802518		
	Phase		Catalog # :	00158ET3E1	45T-S		
Performance	: 230/460 V 60 Hz 4P						
Rated current	: 4.04/2.02 A	Moment	of inertia (J)	: 0.1101 sq.ft.l	b		
LRC Rated torque	: 8.2 : 4.50 ft.lb	Duty cycl Insulatior		: Cont.(S1) : F			
Locked rotor torc	ue : 270 %	Service fa	actor	:			
Breakdown torqu Rated speed	ie : 300 % : 1750 rpm	Temperat Design	ure rise	: 80 K : B			
Heating constant							
Cooling constant							
Rev.	Changes Summary		Performed	Checked	Date		
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Checked by				Page	Revision		
Date	12/04/2022			8 / 16			
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THERMAL LIMIT CURVE	
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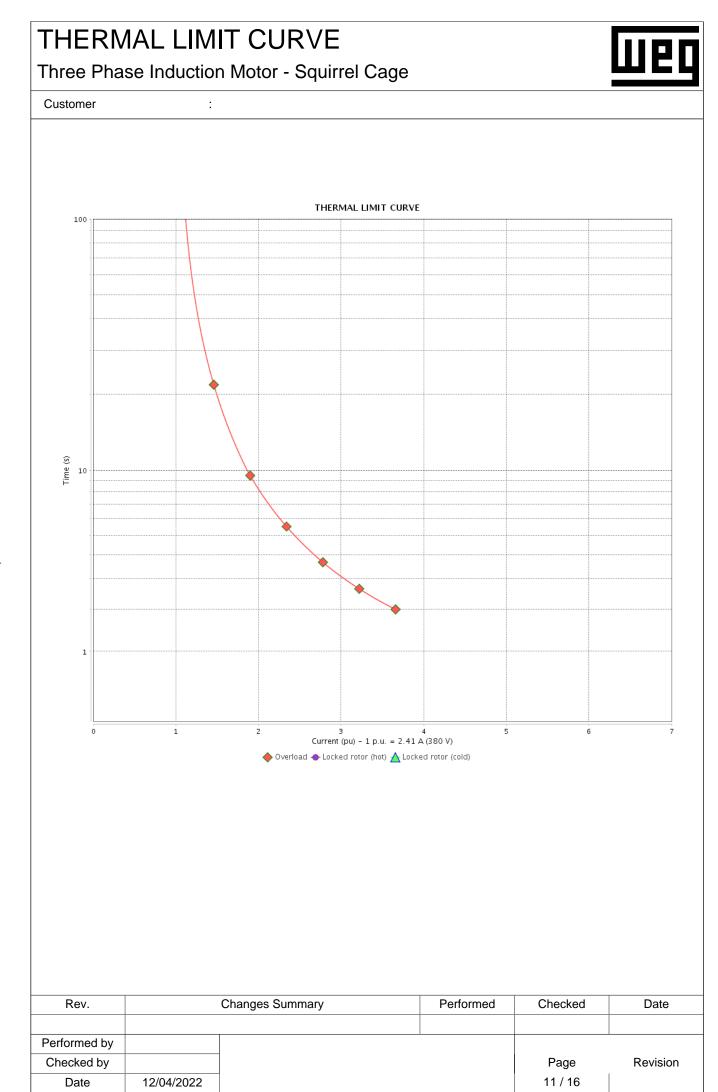


Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	14802518		
		FildSC		Catalog # :	00158ET3E1	45T-S	
Performance		: 190/380 V 50 Hz 4P					
Rated current LRC		: 4.82/2.41 A : 6.1		of inertia (J)	: 0.1101 sq.ft.l : Cont.(S1)	b	
Rated torque		: 5.55 ft.lb	Duty cycle Insulation		: F		
Locked rotor torque Breakdown torque		: 210 % : 250 %	Service fa Temperat		: 1.15 : 105 K		
Rated speed		: 1420 rpm	Design	urense	: B		
Heating constant							
Cooling constant							
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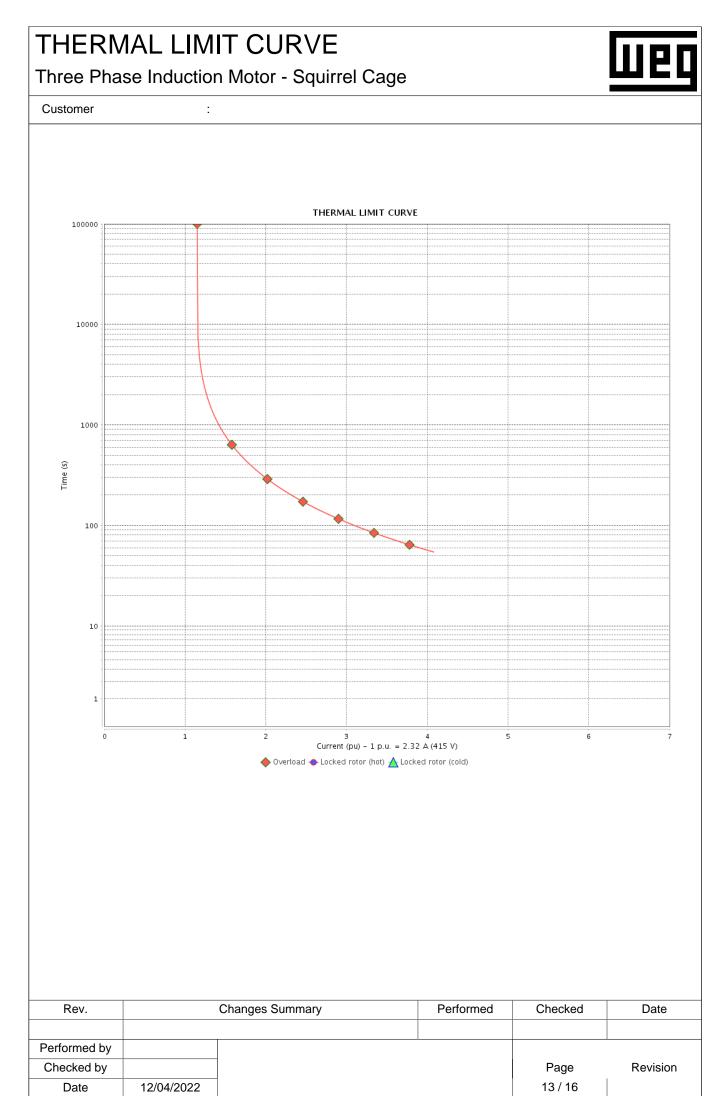


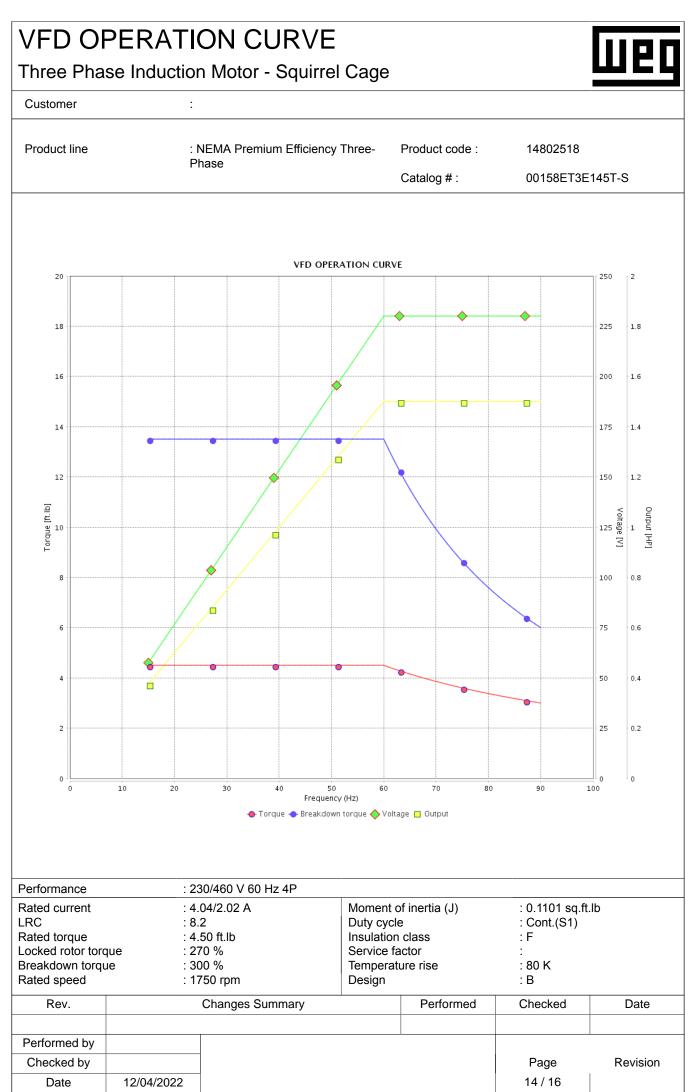
Three Phase Induction Motor - Squirrel Cage

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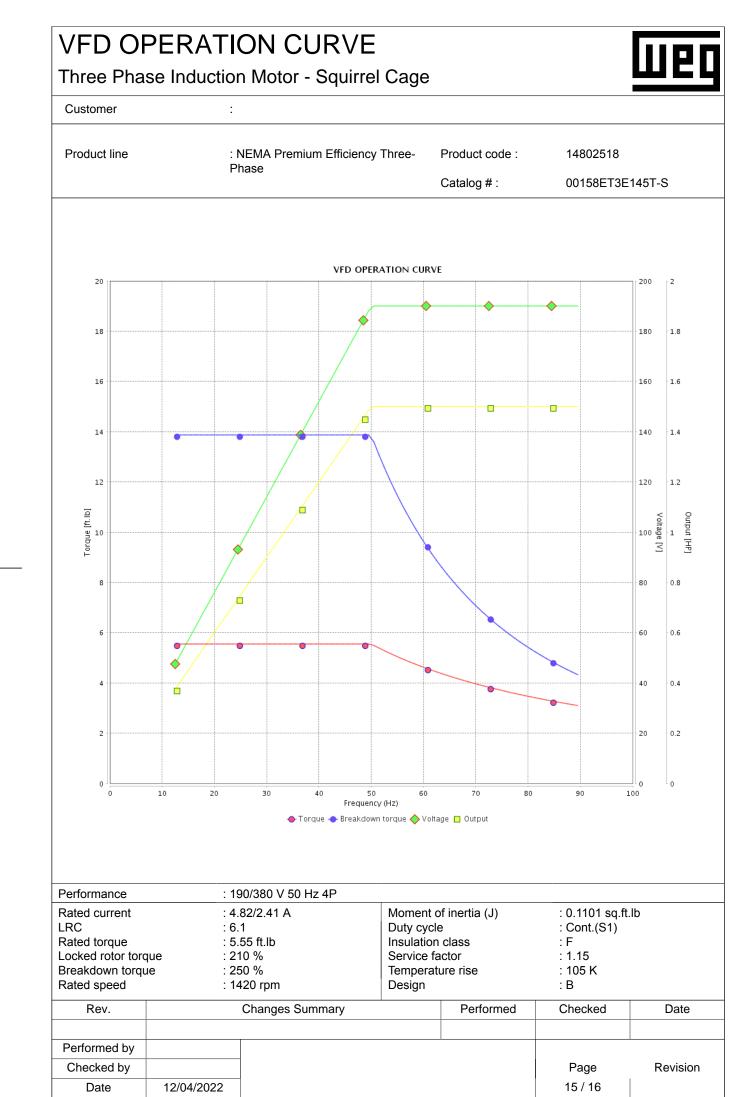
Customer

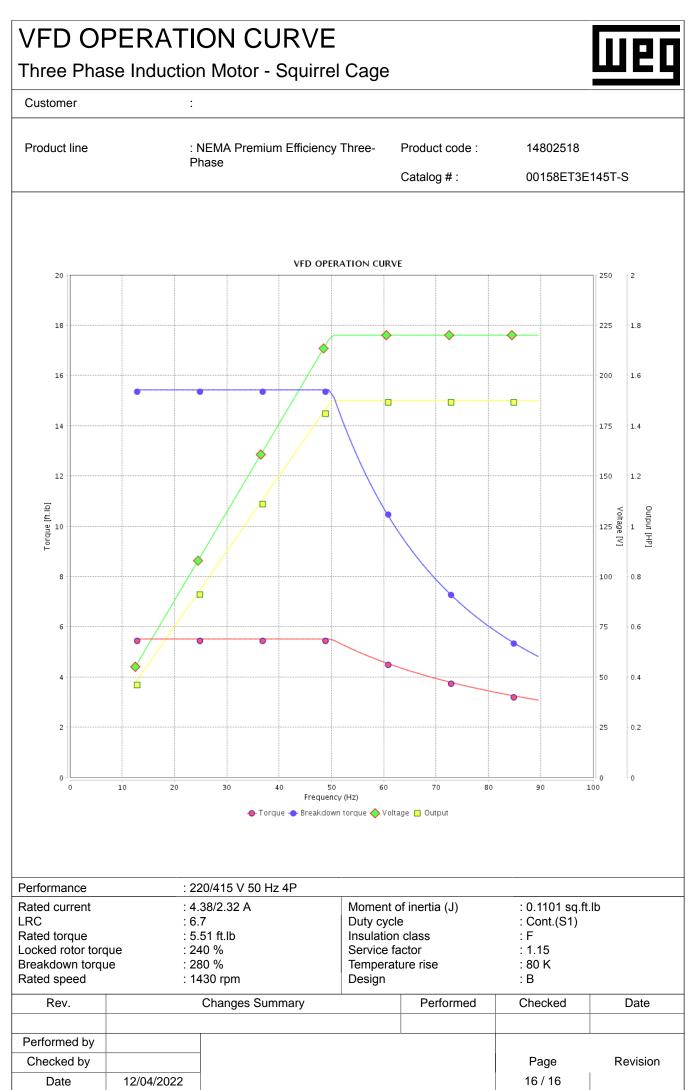
Product line		: NEMA Premium Efficiency Three- Phase			14802518		
1 Hase			Catalog # :	00158ET3E1	45T-S		
Performance	: 220/415 V 50 Hz 4P						
Rated current	: 4.38/2.32 A	Moment o	f inertia (J)	: 0.1101 sq.ft.l	b		
LRC	: 6.7	Duty cycle	9	: Cont.(S1)			
Rated torque Locked rotor torque	: 5.51 ft.lb : 240 %	Insulation Service fa		: F : 1.15			
Breakdown torque	: 280 %	Temperati		: 80 K			
Rated speed	: 1430 rpm	Design		: B			
Heating constant							
Cooling constant							
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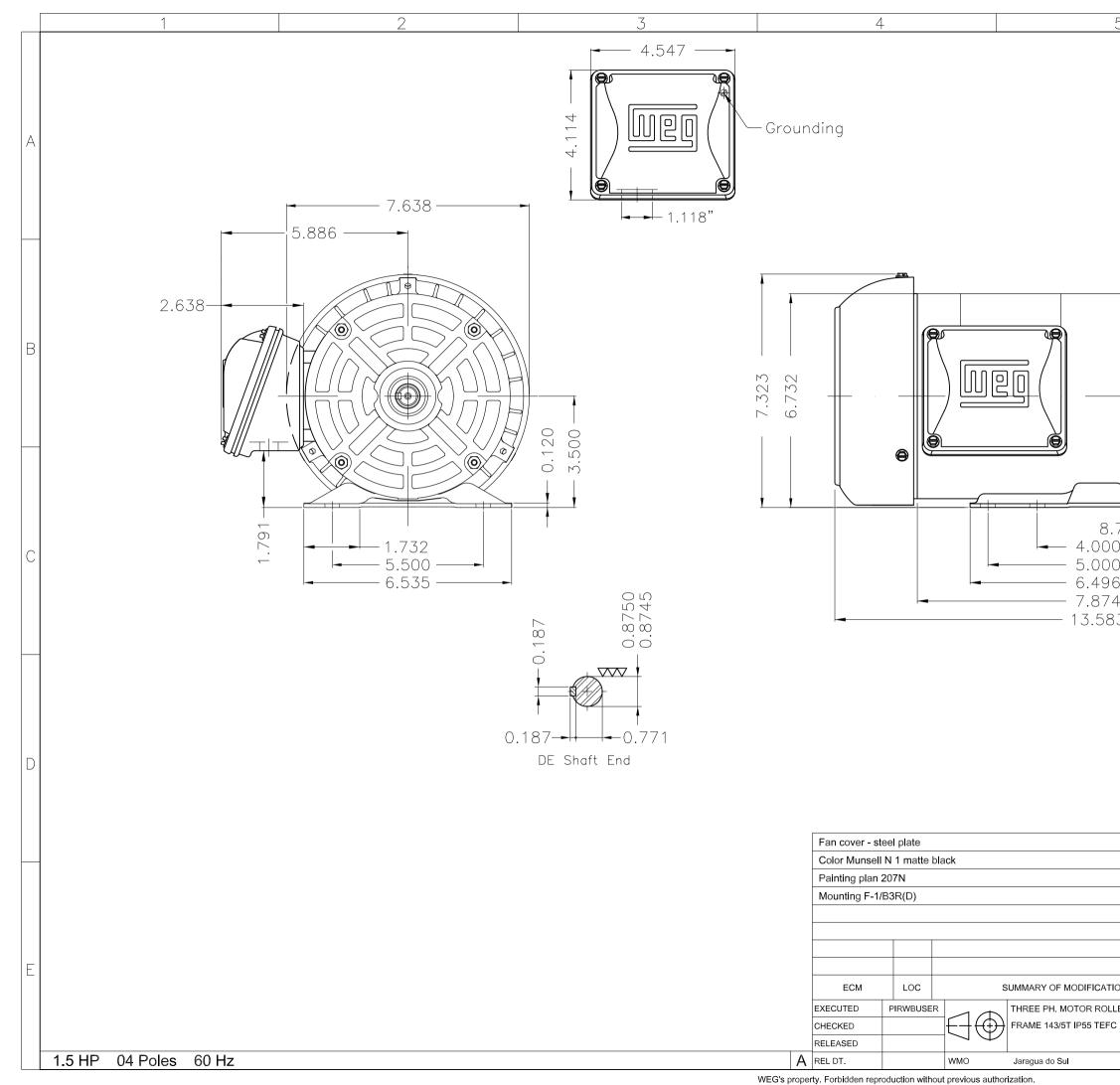


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LED STEEL PREM. E C	FF.		EW	Ше	ā	A3
Produc	t Engineering	SHEET	1 / 1			XME
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CONTREPCTION CONTRACTOR CONTRACTO	For 60H2: Class I, Zone 2, IIC Class I, Div.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (5F1.001 CT 2:1/NT 1000:1	3 1 H 2 IO 1 H 15 1437 TY CONT. V 230460 TY CONT. V 230460 KW TY CONT. PSE F1 6 P FLE C CODE K RPM 1750 RPM 1750 ABLE @ 208V 4.7A NOM. EFF 6.5% RPM 1750 ABLE @ 208V 4.7A NOM. EFF 6.5% RPM 1750 ABLE @ 208V 4.7A NOM. EFF 6.5% RPM 1760 ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 900411V ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 900411V ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 90041V ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 90041V ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 90041V ABLE @ 208V 4.7A NOM. EFF 6.5% REPARTING: 1.5HP 90011V	In the second se
Ψu Β		HP 1.5 KW 1.1 A 4.042.02 SFA 4.642.02 SF 4.642.02 SF 1.15 SF 1.15 RPM 1750 NEMA 1750 NEMA 1750 NEMA 1750 NEME 86.5% A 462.332 SO12 190-22038041 190-22038041 S012 190-22038041 S012 190-22038041 S012 190-22038041 S012 190-22038041 S012	YY L'I L'2 L'3 Y L'I L'2 L'3 EVENESE THE ROTATION INTERCIANGE ANY TWO LINE WREES TO REVERSE THE ROTATION MARNING. WARCH CONTRUST DO PROFESS THE ROTATION and national electrical societs to prevent estimates with load about, Disconnect power source before searching unit. ADDISERIENTL IN model of the about of the about of the about conforminient aux codes flocating is locating to the about of the obse disortique grave. Deconnecter 1 allowing a code
	8 CC029A DN ET3E145T-S B/N:	Hz 50 	L'2 L'3 as ANY TWO LINE W as ANY TWO LINE W as Motor must be gr Mational electrical too cks. Disconnect pow AVERTISSEMENT: addes électriques lo codes électriques lo codes électriques lo
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