DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line : NEMA Premium Efficiency Three- Product code Phase			oduct code :	e: 11439789			
		FildSe	Catalog # :		06018	XT3E364T	
Insulation class: FDuty cycle: CAmbient temperature: -2Altitude: 10Protection degree: IP		: 364/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B	: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		1 - TEFC (CW and CCW) tt On Line lb sq.ft.lb
Output [HP]		60		50	5	0	50
Poles		4		4	4	4	4
Frequency [Hz]		60		50		0	50
Rated voltage [V]		230/460		380		00	415
Rated current [A]		137/68.3		69.0		3.0	64.8
L. R. Amperes [A]		956/478		449		32	505
LRC [A]		7.0x(Code H)	6.5	5x(Code G)		ode H)	7.8x(Code J)
No load current [A		44.0/22.0		21.7		3.5	24.9
Rated speed [RPN	/]	1780		1480		80	1480
Slip [%]		1.11		1.33		33	1.33
Rated torque [ft.lb]		177		177		77	177
Locked rotor torqu		250		210		50	270
Breakdown torque	e [%]	250		229		60	290
Service factor		1.15		1.00		00	1.00
Temperature rise		80 K		80 K) K	80 K
Locked rotor time		36s (cold) 20s (hot)		cold) 22s (ho) 22s (hot)	39s (cold) 22s (hot)
Noise level ²		75.0 dB(A)	70.0 dB(A)		70.0	dB(A)	70.0 dB(A)
	25%						
Efficiency (%)	50%	94.1		94.1		3.6	93.6
	75%	94.5		94.1		1.1	94.1
	100%	95.0		93.6	94	1.1	94.5
	25%	0.70		0 70		00	
Power Factor	50%	0.72		0.72		69 00	0.66
	75%	0.82		0.82		80	0.78
	100%	0.87		0.87		86	0.84
Bearing type			<u>rive end</u> 14 C3	Foundatior Max. traction		: 1260	lb
Sealing		: Oil Seal Lip	o Seal	Max. comp		: 2266	
Lubrication interv	val		789 h				
Lubricant amoun		: 27 g 2	27 g				
Lubricant type		: Mobil Polyrex E					
Notes USABLE @208V	7 151A SF 1.0	00 SFA 151A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where shaft end. olerance of +3dB(A). ot to changes after	hich				sts with sinusoidal s stipulated in NEMA
Rev.		Changes Summary	'		Performed	Checke	d Date
Performed by							
Checked by						Page	Revision
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Date 12/04/2022 This document is exclusive property of WEG S/A. Reprinting is not allowed without writte							

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-		Thermal protection			
ID	Application	Туре	Quantity		emperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	5 °C
Rev.	Chan	ges Summary	Performed	Checked	Date
rformed by					

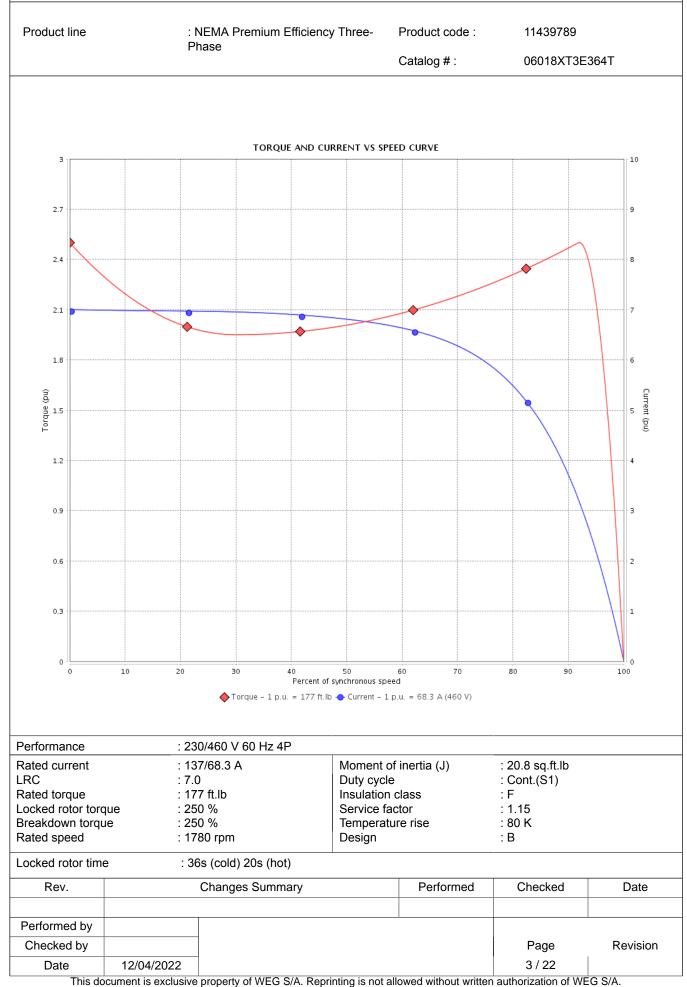
TORQUE AND CURRENT VS SPEED CURVE

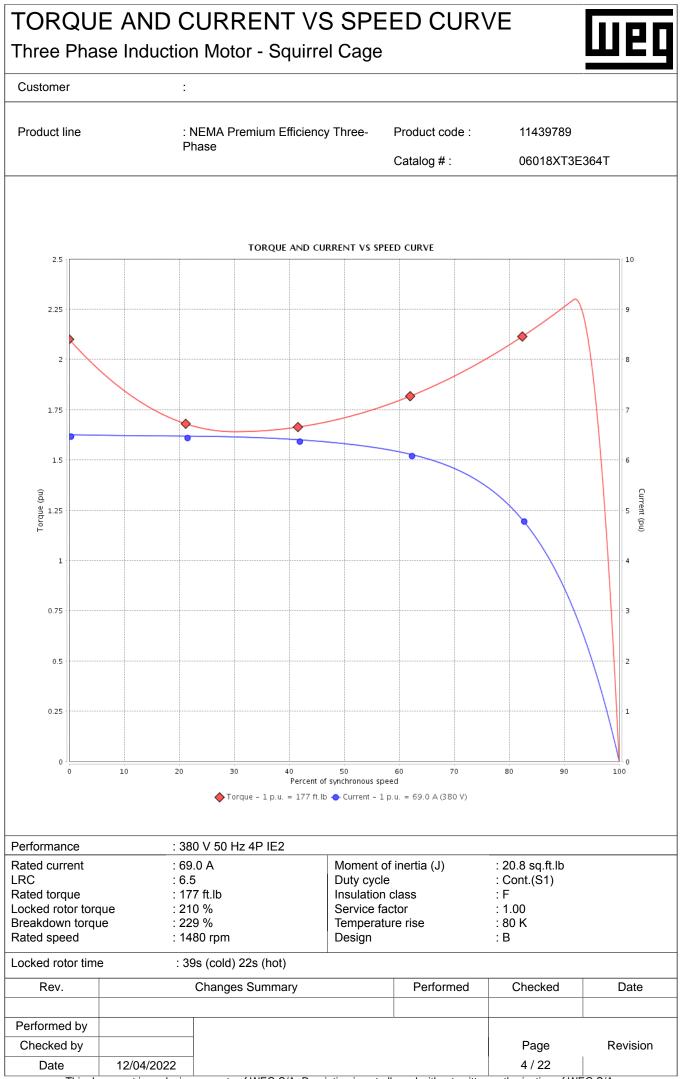
Three Phase Induction Motor - Squirrel Cage

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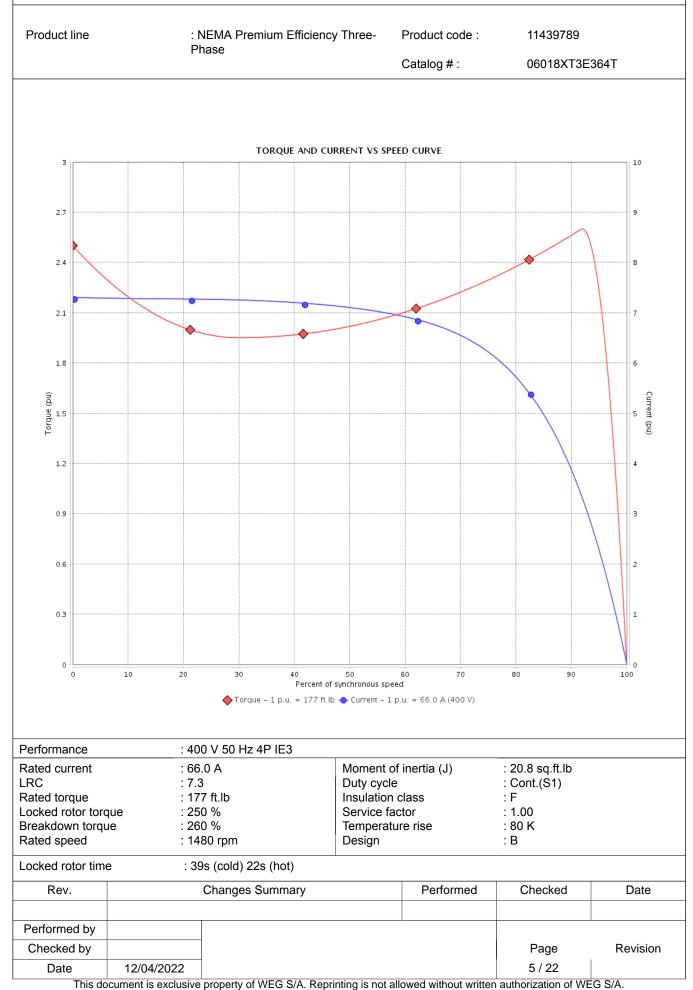
TORQUE AND CURRENT VS SPEED CURVE

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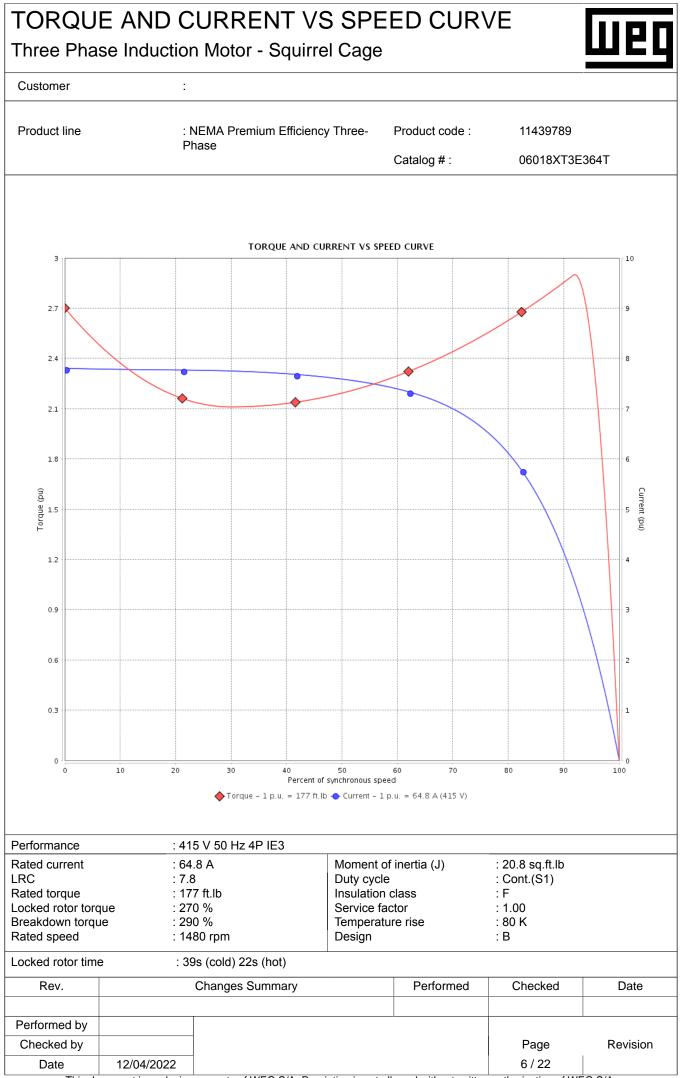
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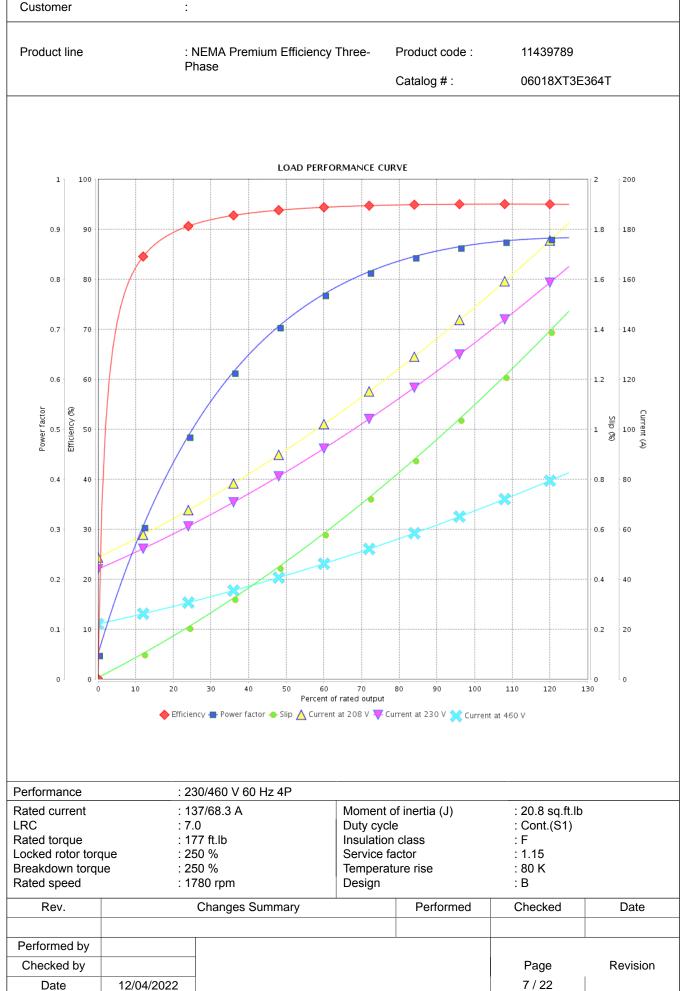
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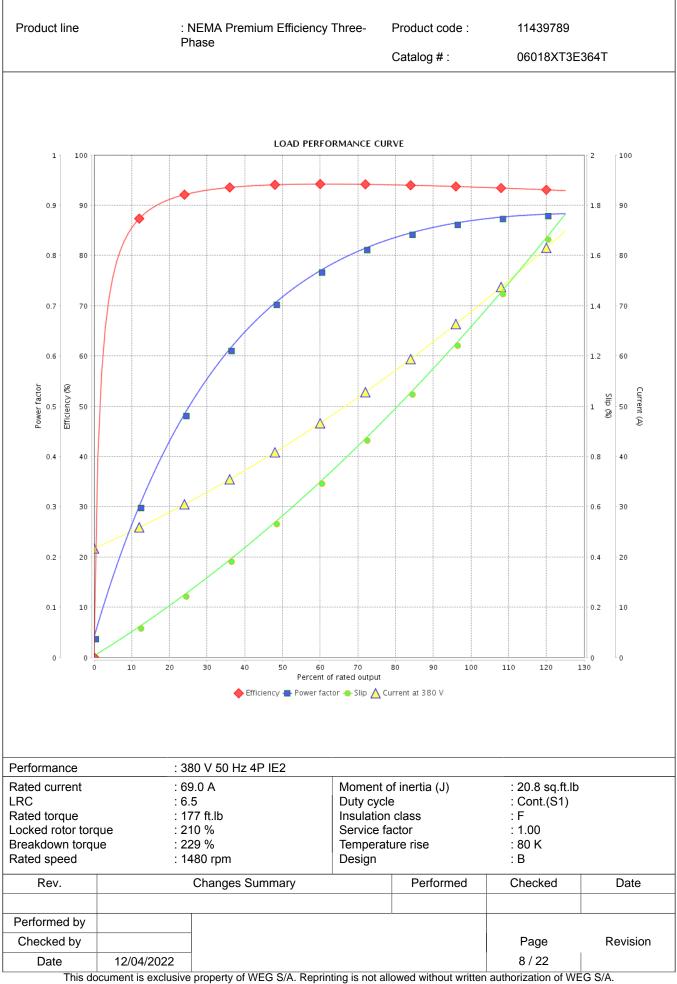
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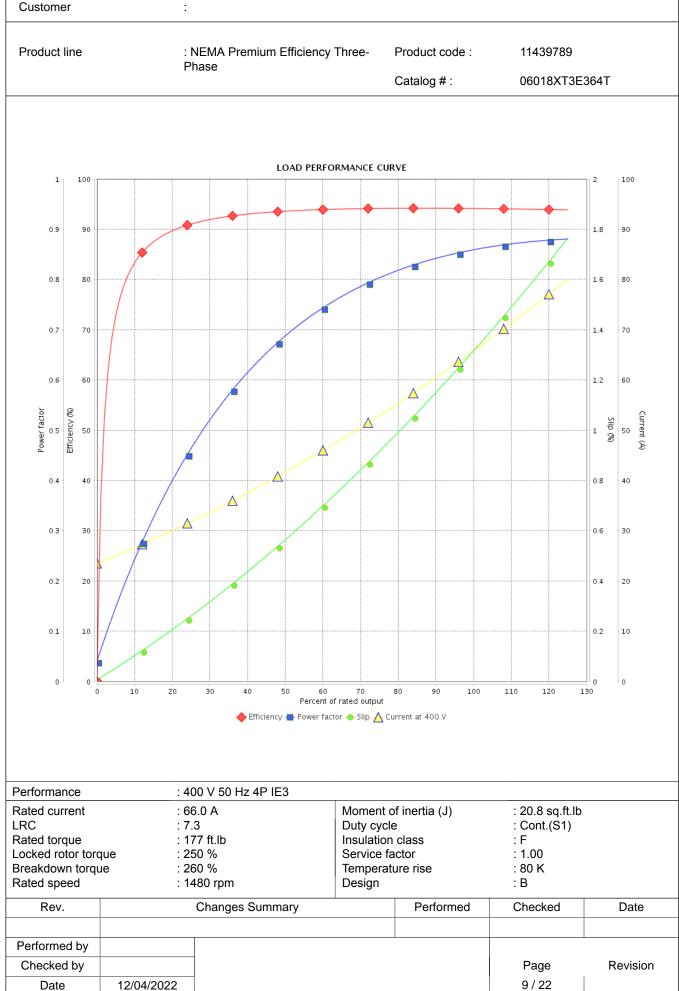


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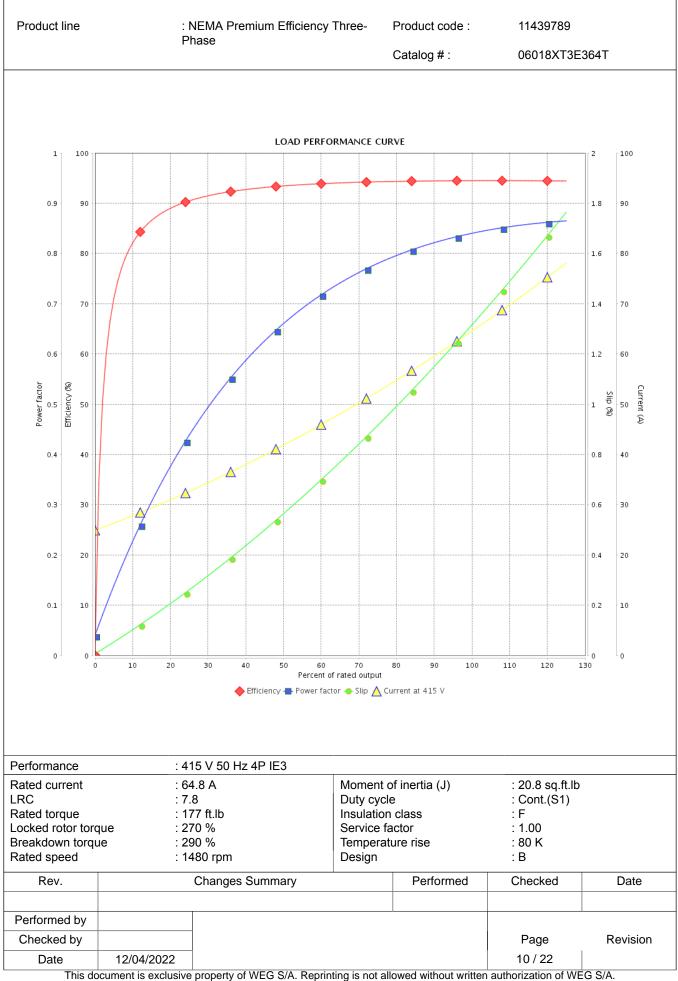
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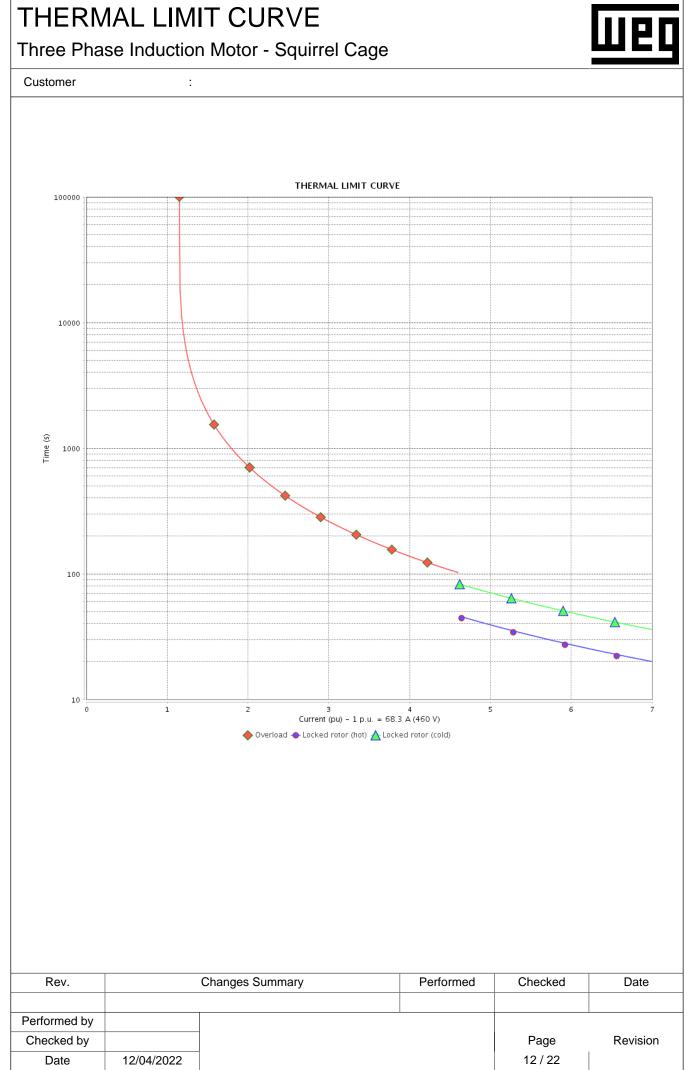
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11439789	
	Phase	Catalog # :	06018XT3E364T	

Шеq

Performance	: 2	: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed Heating constant	: 7 : 1 iue : 2 ie : 2 : 1	: 137/68.3 A Mon : 7.0 Duty : 177 ft.lb Insu : 250 % Serv		class	: 20.8 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Cooling constant						
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
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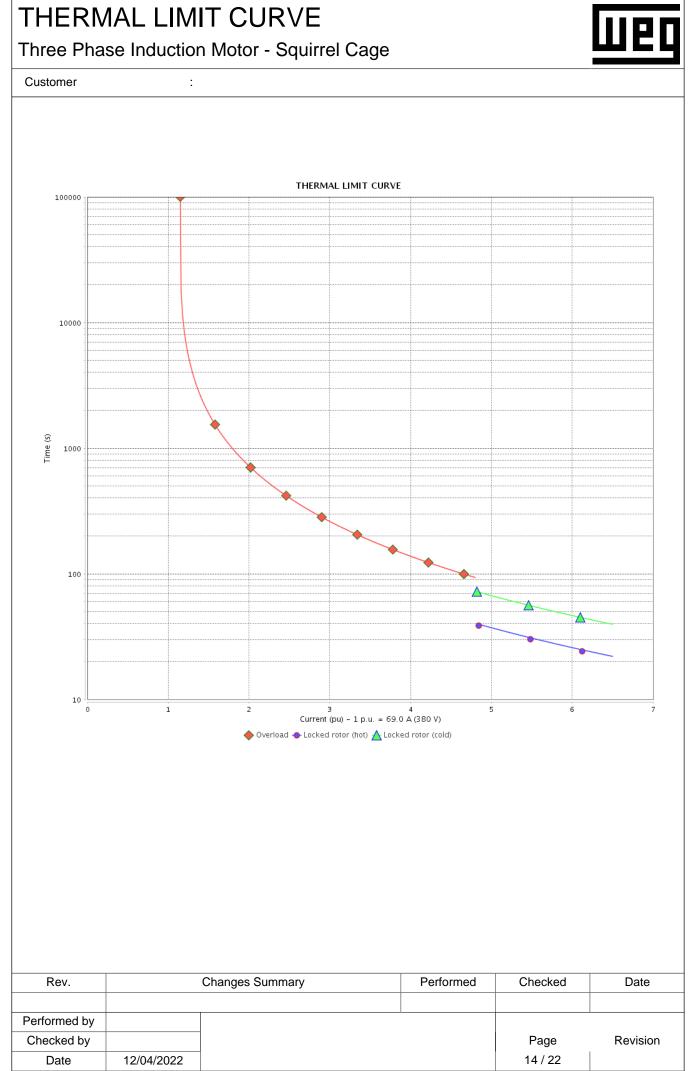
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11439789	
		Catalog # :	06018XT3E364T	

Шед

Performance	: 3	: 380 V 50 Hz 4P IE2				
Rated current: 69.0 ALRC: 6.5Rated torque: 177 ft.lbLocked rotor torque: 210 %Breakdown torque: 229 %Rated speed: 1480 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 20.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
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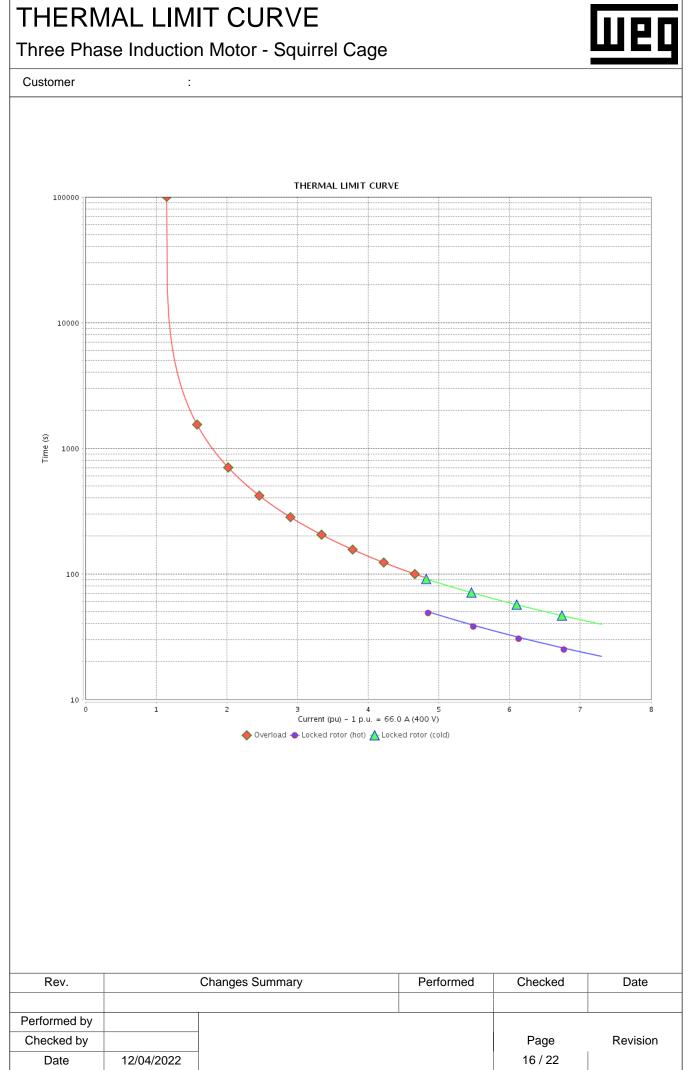
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11439789	
		Catalog # :	06018XT3E364T	

Шед

Performance	:	400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	jue :	66.0 A 7.3 177 ft.lb 250 % 260 % 1480 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 20.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant	:					
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Checked by					Page	Revision
Date	12/04/2022				15 / 22	
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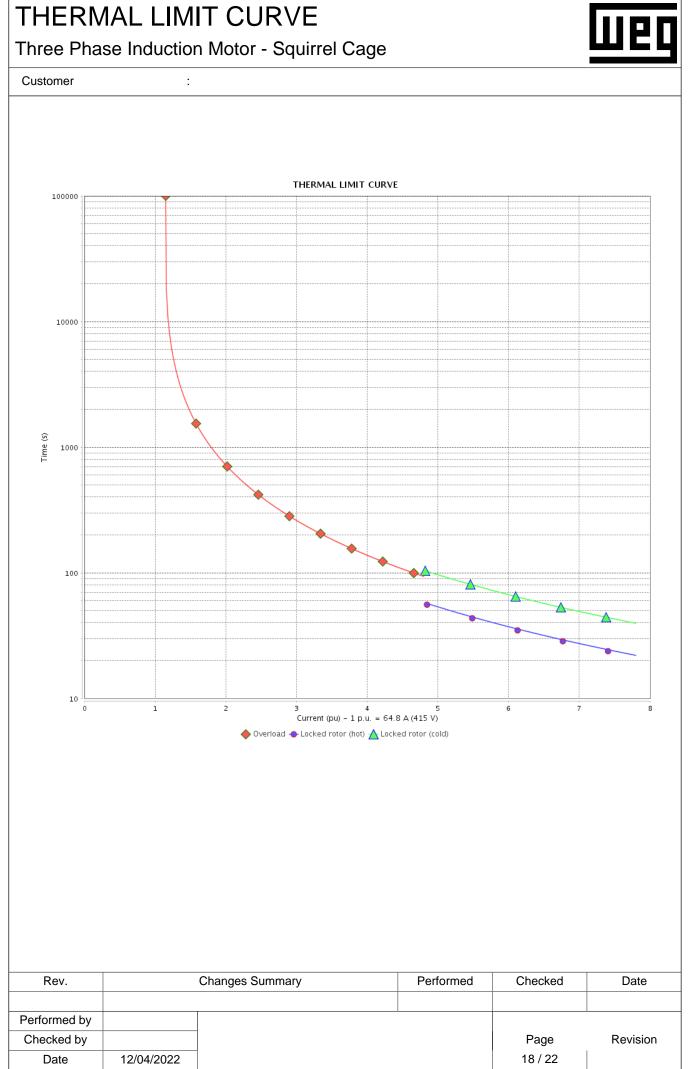
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11439789	
	Phase	Catalog # :	06018XT3E364T	

Шед

Performance	: 4	15 V 50 Hz 4P IE3				
Rated current: 64.8 ALRC: 7.8Rated torque: 177 ft.lbLocked rotor torque: 270 %Breakdown torque: 290 %Rated speed: 1480 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 20.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 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				17 / 22	



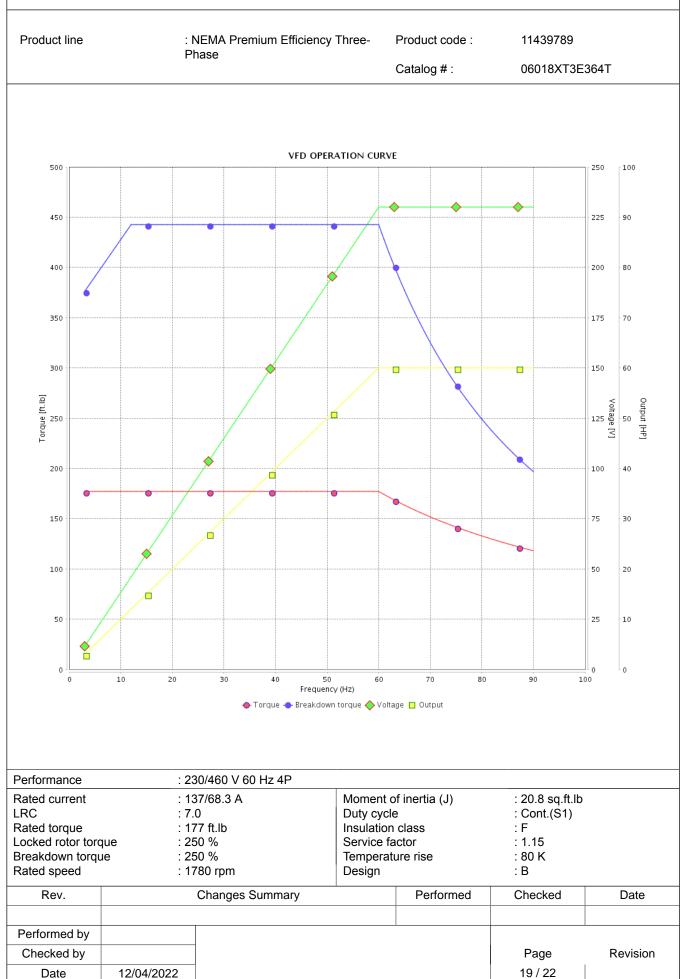
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VFD OPERATION CURVE

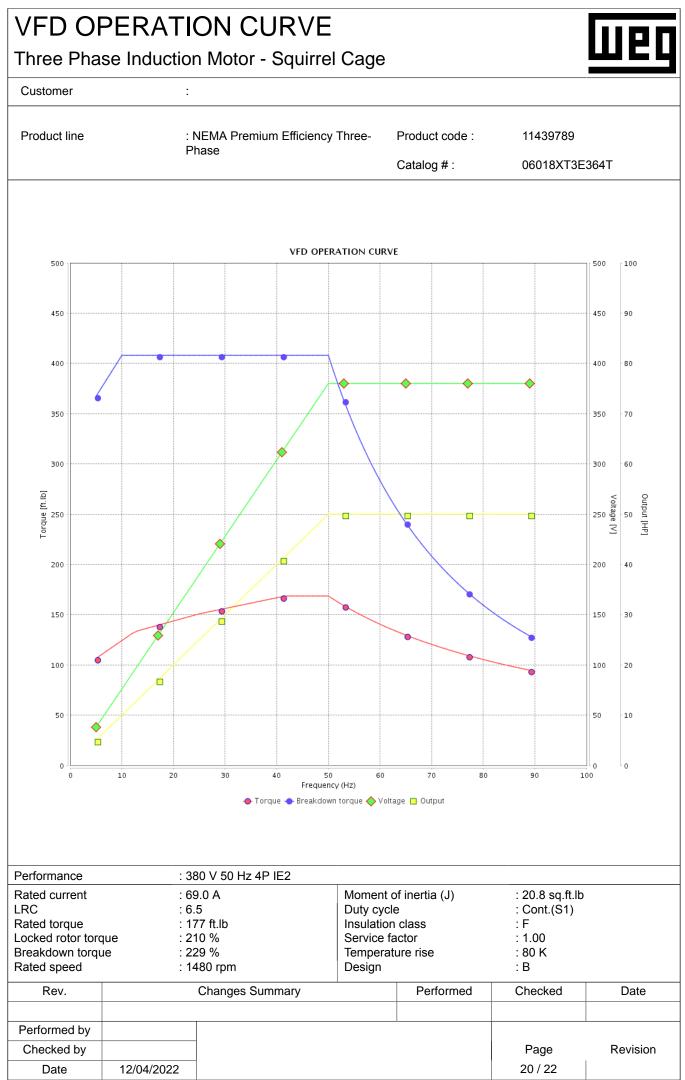
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Customer



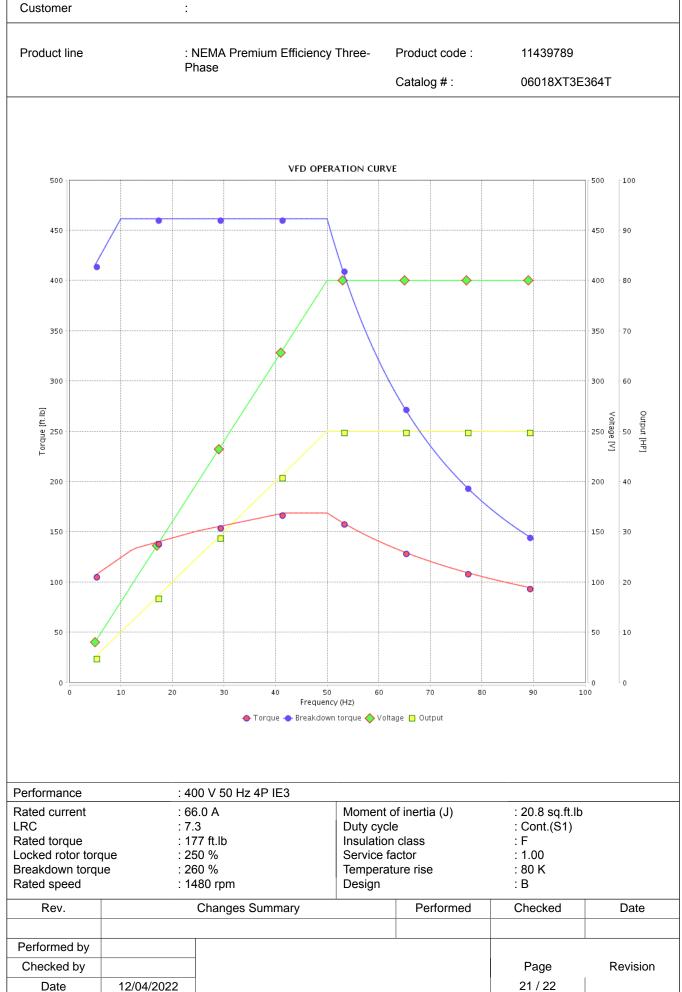
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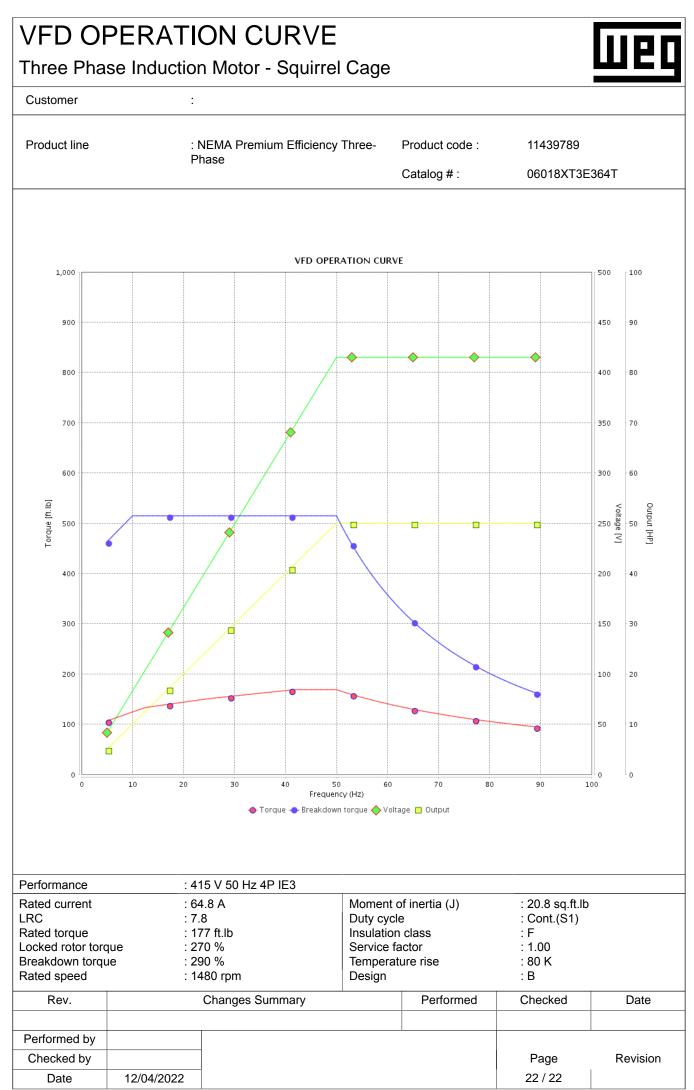
VFD OPERATION CURVE

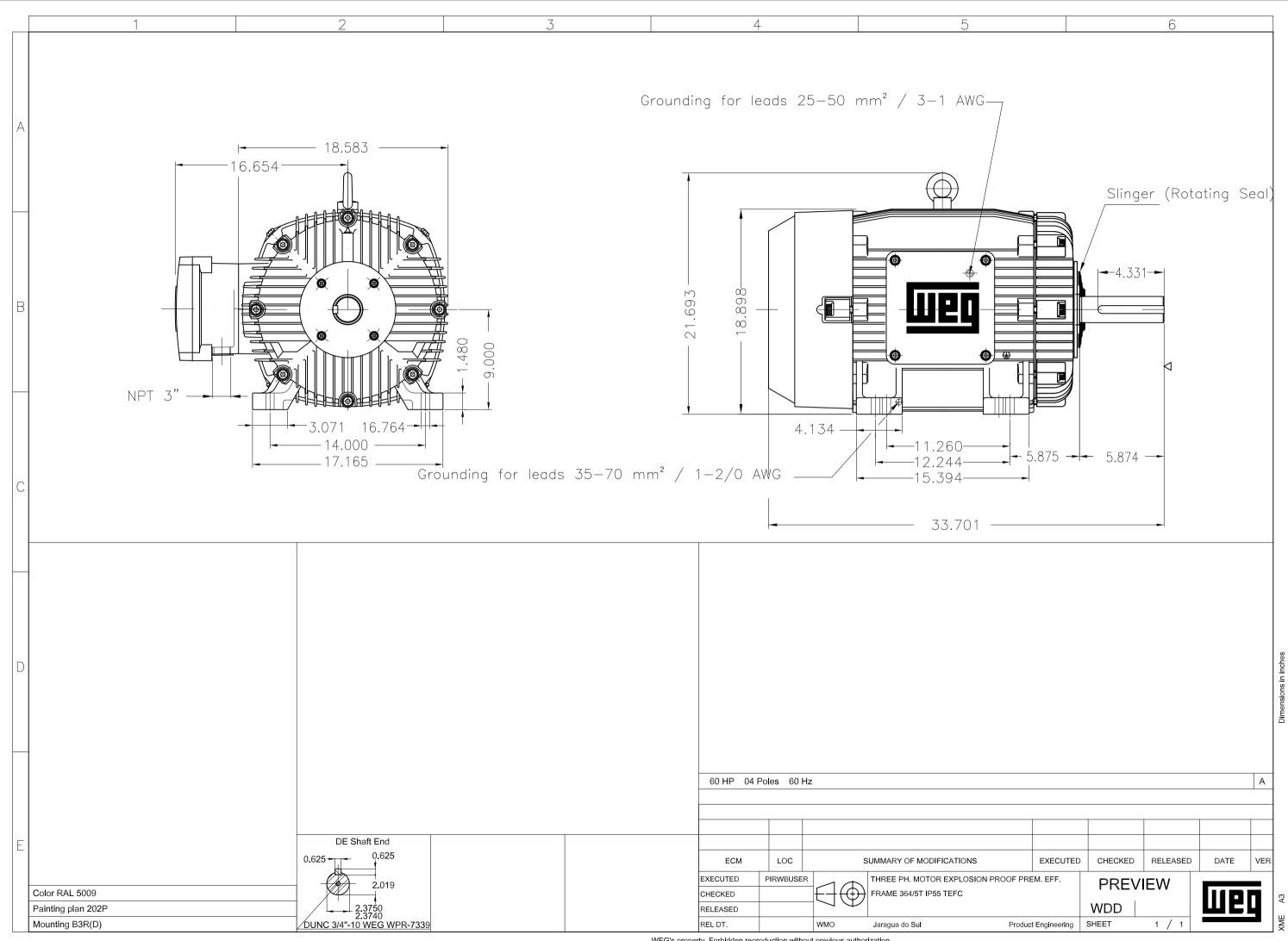
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	CCO29A Inverter Duty Motor Severe Duty		Ų		C Deriver Verified	TEMP CODE T3C CSA/UL: Class I - Div. 1 - Groups C CSA: Class II - Div. 1 - Groups F an CSA: Class I - Zone 1 - IIB EXPLOSION PROOF MOTOR FOR USE ON VPWW VFD 1000:IVT, 2:ICT, 1.0S	dG
364T 21L	PH 3 FR 364/5T HP	(kW) 60.0(45.0	0)	Н	z 60		JT10
(T3E) 3RAZ 89	V 230/460	A 137/68.3	RF	PM 1780)	015 016 014 015 016	oT4 017
018) N E 397	NEMA NOM. EFF. 95.0%	IN	SCLF /	∆T 80	K IP55	- γτ8 φτ9 φτ7 φτ8 φτ9 φτ2 φτ3 φτ1 φτ2 φτ3 - Δ L2 L3 L1 Δ L2 L3	օп Լ1
. 06 1 14	PF 0.87 DUTY	CONT.			CODE H	208-230V 460//380V	
MODEL 06018XT3E364T MADE IN BRAZIL 11439789	ENCL. TEFC SF	1.15	SFA 158/	78.5		→ 6314-C3(27g) MOBIL	POLYREX EM
Χ	AMB 40°C DES E	USABLE @20)8V 151 A	A SF 1.0	00	$= 6314 - C3(27g) \qquad \text{MOBIL}$	9789 h
	AMB 55°C SF1.0 -bearings	lub interval red	uced by a	factor o	of 50%	ALT 1000 m.a.s.l 1010) Lbs
	50HP 37kW 50Hz 380V	69.0A 1480RP	PM SF1.00	D EFF	93.6% (IE2))	