# DATA SHEET

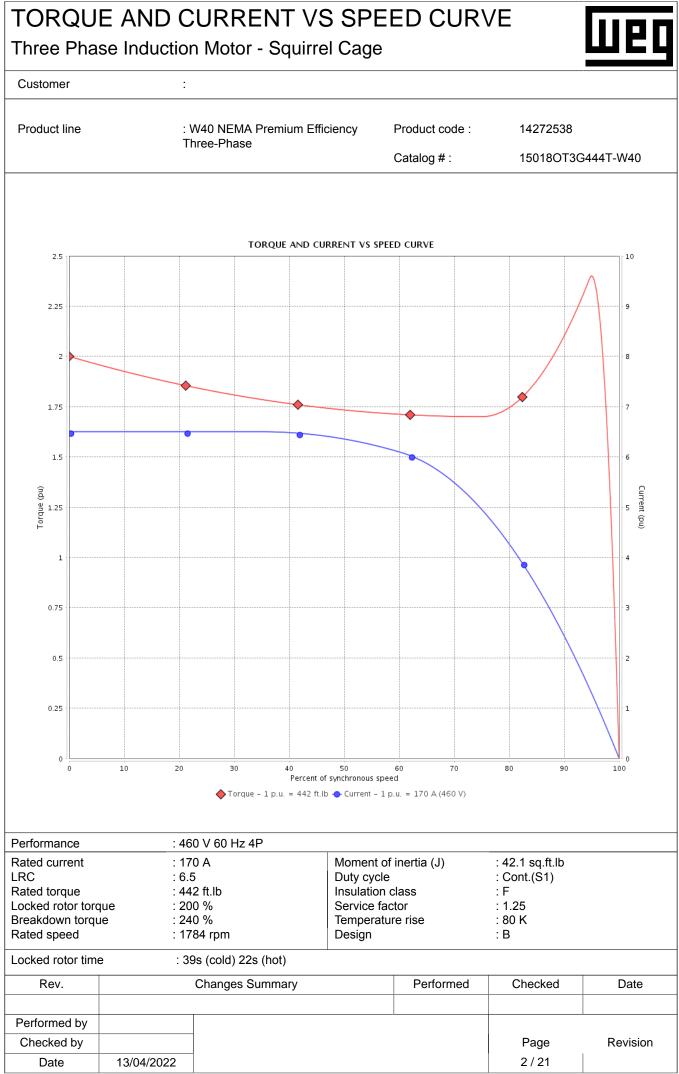
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: W40 NEMA Premiur Three-Phase	n Efficie	ncy Pro	oduct code :	14272538	3	
		Thee-Flase	Ca	Catalog # :		15018OT3G444T-W40		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 444/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 1382 lb : 42.1 sq.ft.lb		
Output [HP]		150		125	12	05	125	
Poles		4		4	4	-	4	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		460		380	40		415	
Rated current [A]		170		169	16	62	158	
L. R. Amperes [A]		1105		1183	11		1138	
LRC [A]		6.5x(Code G)	7.0	0x(Code G)	7.4x(C		7.2x(Code H)	
No load current [A	.]	58.0		57.7	62		66.5	
Rated speed [RPN		1784	1	1485	14		1485	
Slip [%]		0.89		1.00	1.0		1.00	
Rated torque [ft.lb]	]	442		442	44		442	
Locked rotor torqu		200		190	22	20	240	
Breakdown torque		240			27	0	290	
Service factor		1.25			1.0	00	1.00	
Temperature rise		80 K			80		80 K	
Locked rotor time		39s (cold) 22s (hot)			) 36s (cold)	20s (hot) 3	9s (cold) 22s (hot)	
Noise level <sup>2</sup>		78.0 dB(A)						
	25%	95.3	95.3		94	.8	95.0	
Efficiency (%)	50%	95.4		94.9	94	.9	95.1	
Enciency (%)	75%	95.8		95.3	95		95.3	
	100%	95.8		95.3 0.49	95		95.3	
	25%	0.49			0.4		0.42	
Power Factor	50%	0.74		0.74	0.7		0.68	
	75%	0.82		0.82	3.0		0.78	
	100%	0.85		0.85	0.8	0.84 0.83		
Bearing type Sealing Lubrication interv	/al	: 6319 C3 63 : Without W Bearing Seal Bear	<u>rive end</u> 14 C3 ithout ing Seal 000 h	Max. traction: 2726 lbMax. compression: 4108 lb				
Lubricant amoun	ıt	: 45 g 2	45 g 27 g					
Lubricant type		: Mobil Polyrex E	ΞM					
Notes				·				
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to veight subjec ocess.	cel the previous one, w shaft end. olerance of +3dB(A). t to changes after	hich				with sinusoidal ipulated in NEMA	
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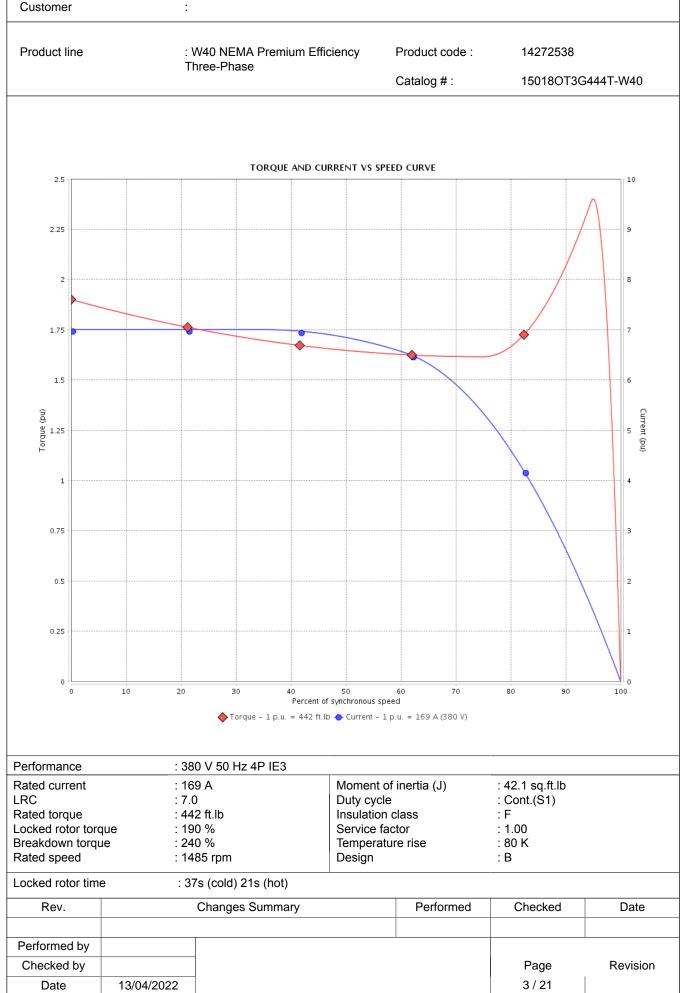


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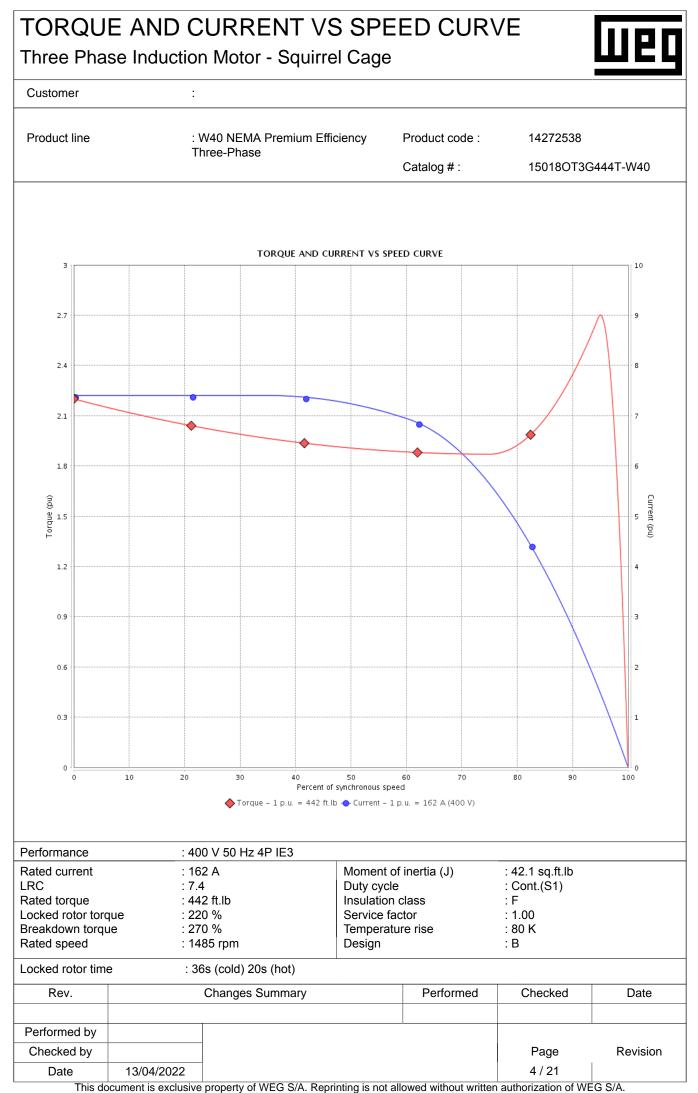
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



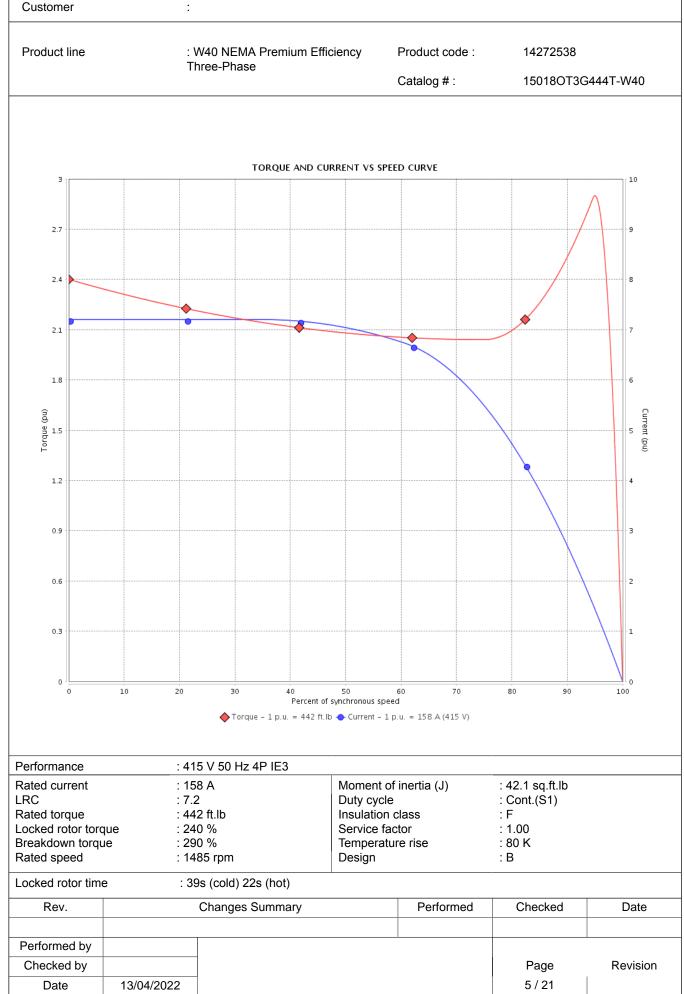
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### TORQUE AND CURRENT VS SPEED CURVE

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#### Customer



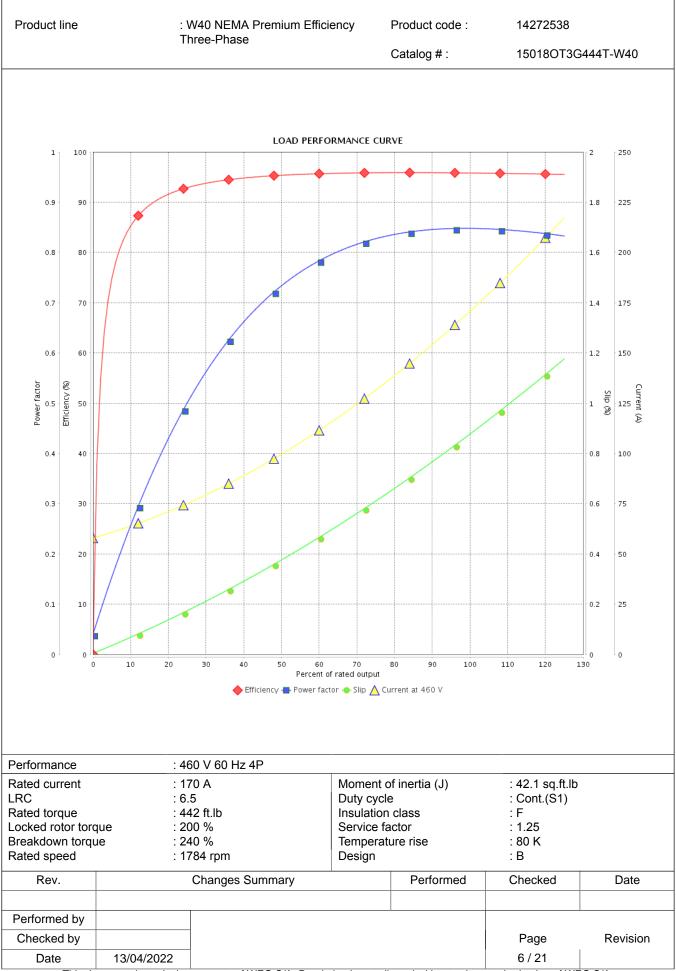
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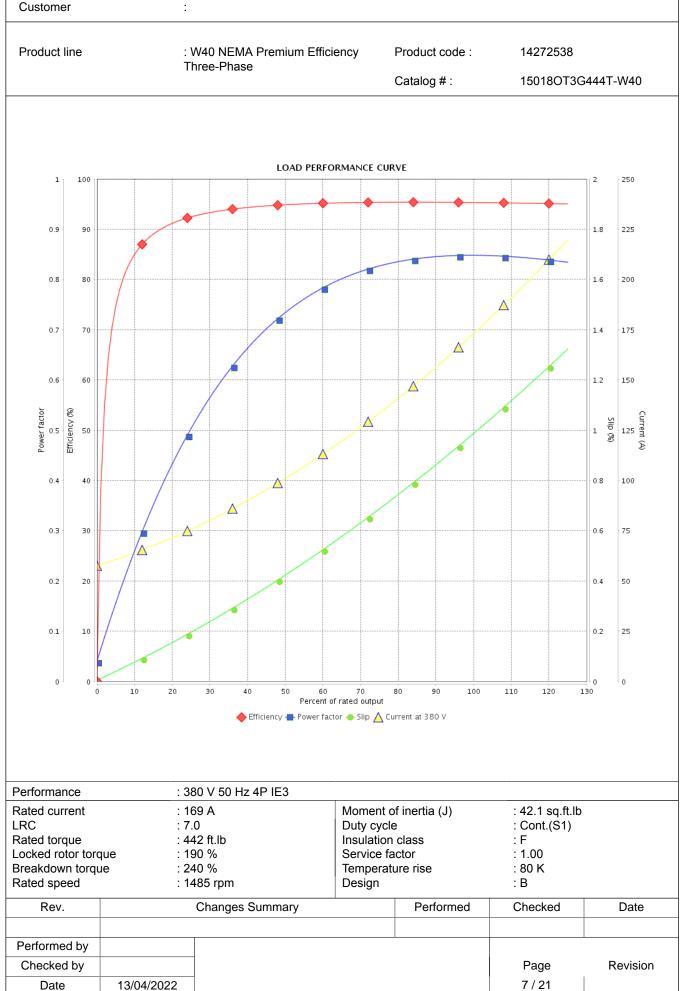


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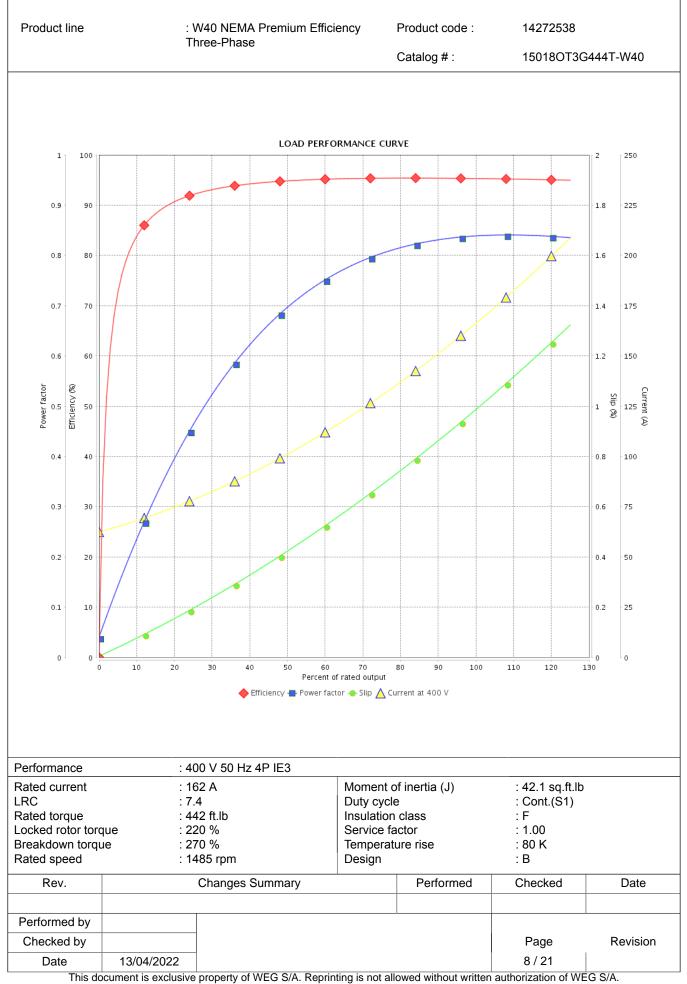
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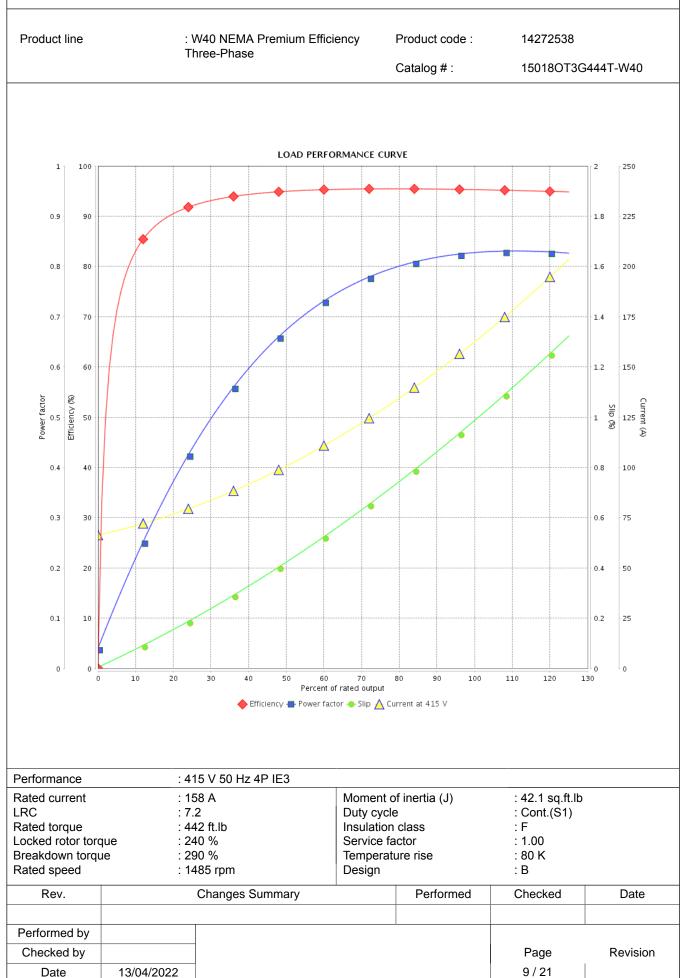
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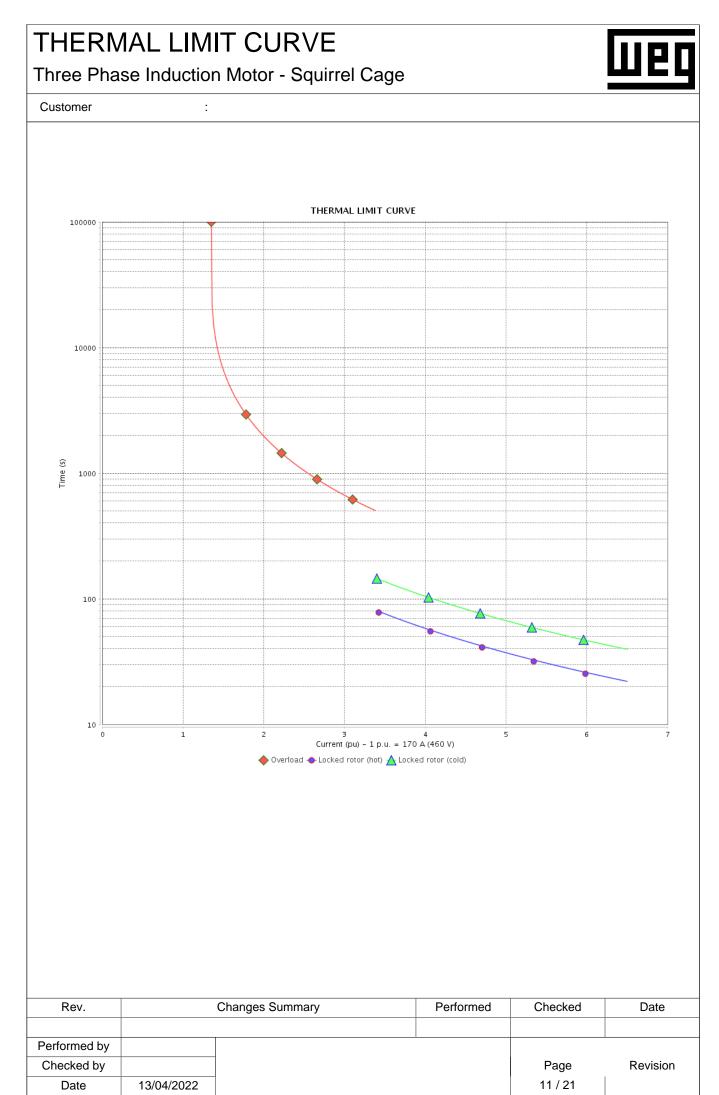


Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14272538	14272538		
				Catalog # :	15018OT3G4	44T-W40		
Performance	: 46	60 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6. : 44 jue : 20 ie : 24	70 A .5 42 ft.lb 00 % 40 % 784 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 42.1 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant								
Cooling constant		Changes Summers		Dorformed	Checked	Data		
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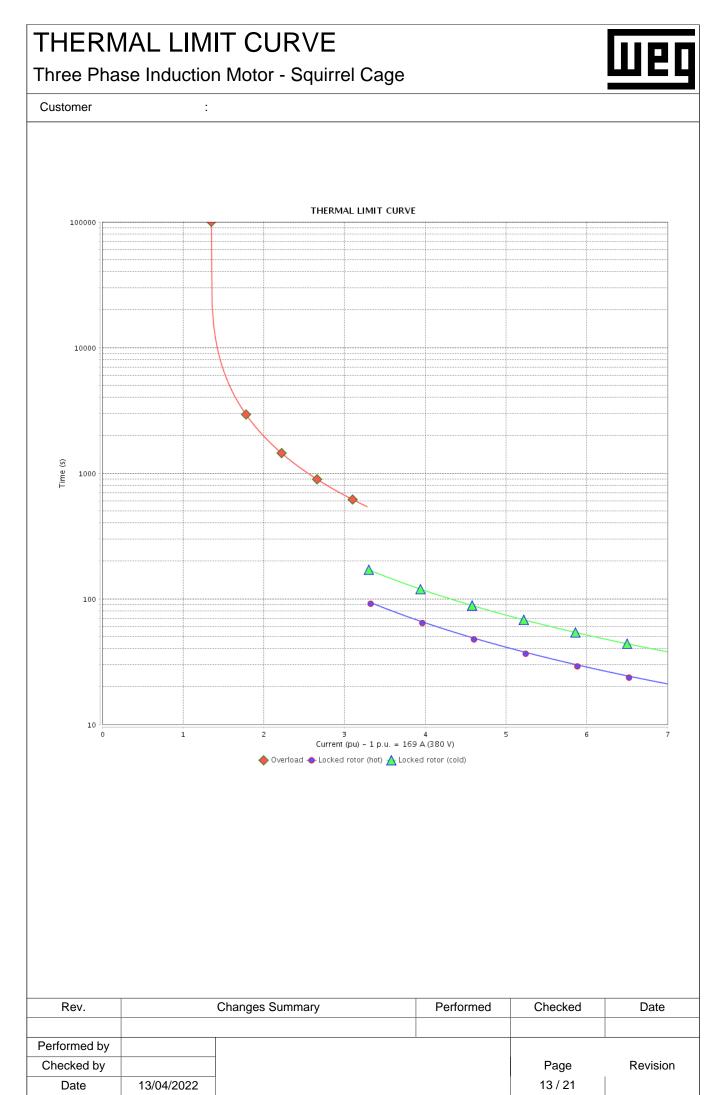


Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14272538		
				Catalog # :	15018OT3G4	144T-W40	
Performance		80 V 50 Hz 4P IE3					
LRC : Rated torque : Locked rotor torque : Breakdown torque :		69 A 0 42 ft.lb 90 % 40 % 485 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 42.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constan	t						
Cooling constant							
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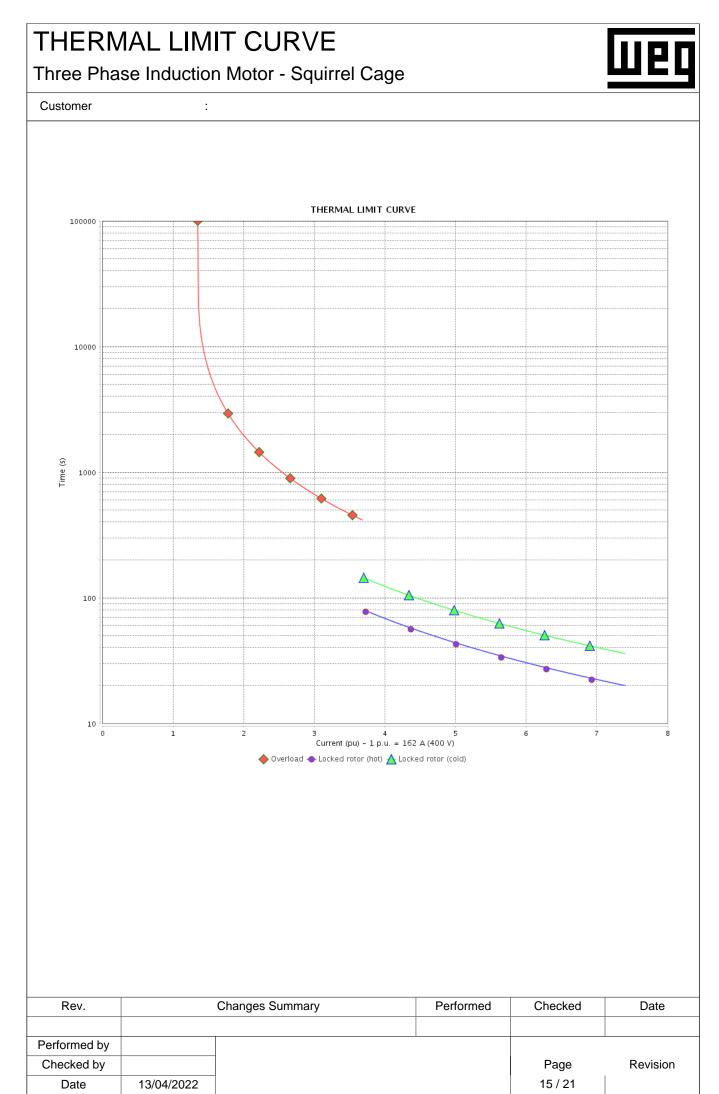


Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14272538		
				Catalog # :	15018OT3G	444T-W40	
Performance	: 40	00 V 50 Hz 4P IE3					
Rated current : LRC : Rated torque : Locked rotor torque : Breakdown torque :		62 A 4 42 ft.lb 20 % 70 % 485 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 42.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constan	t						
Cooling constant							
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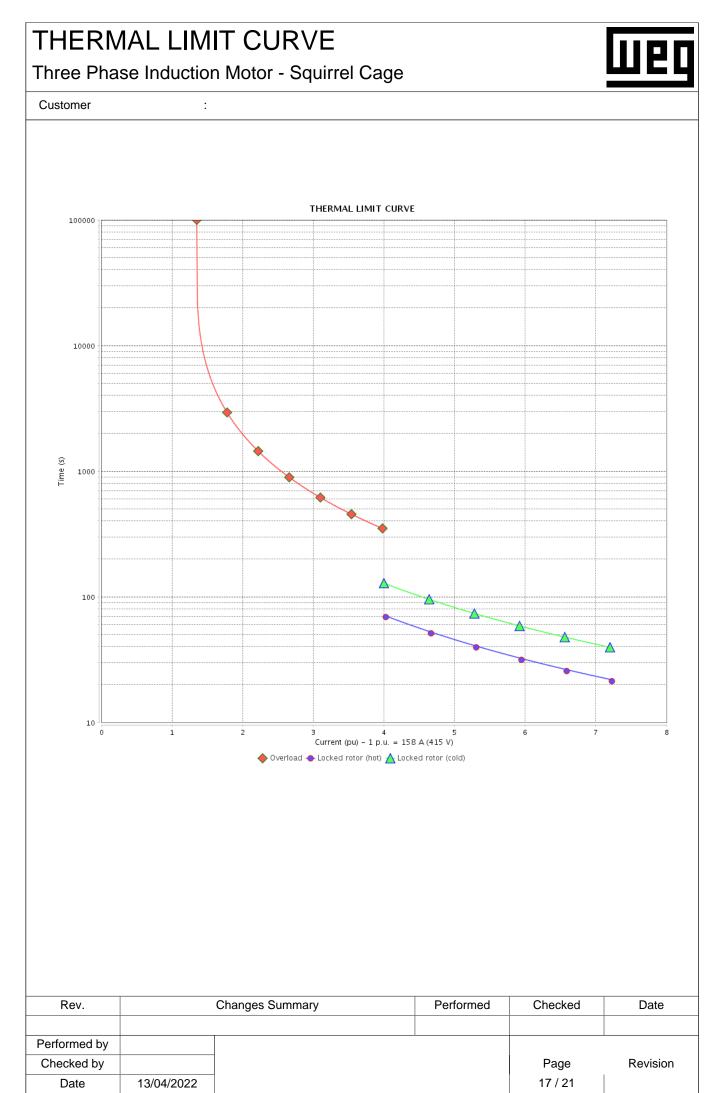
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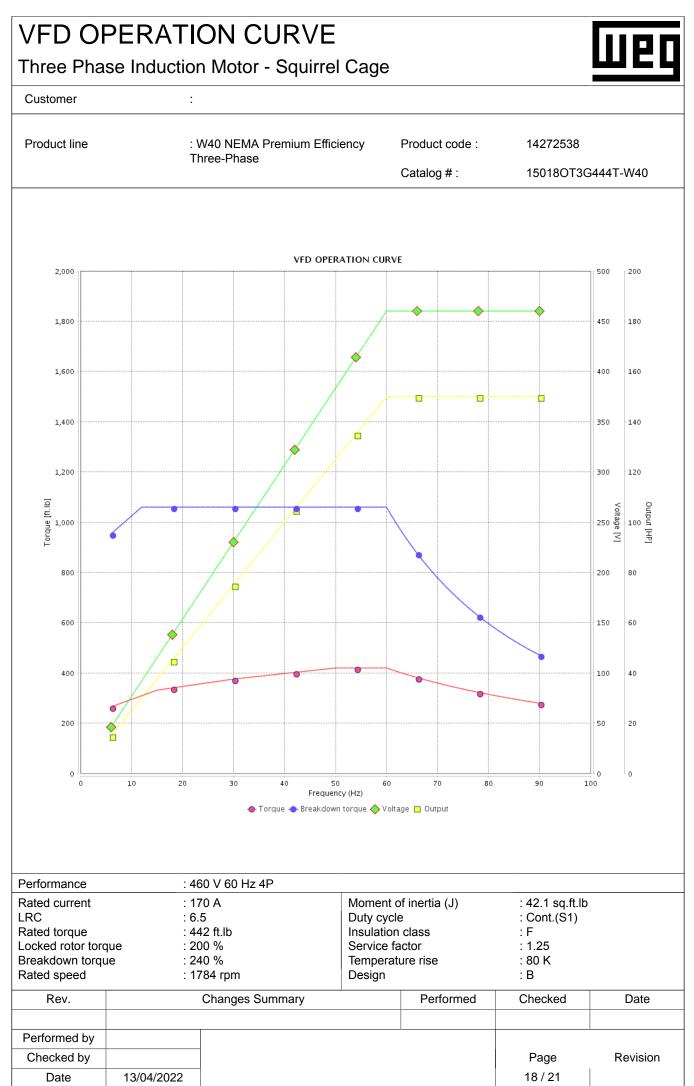


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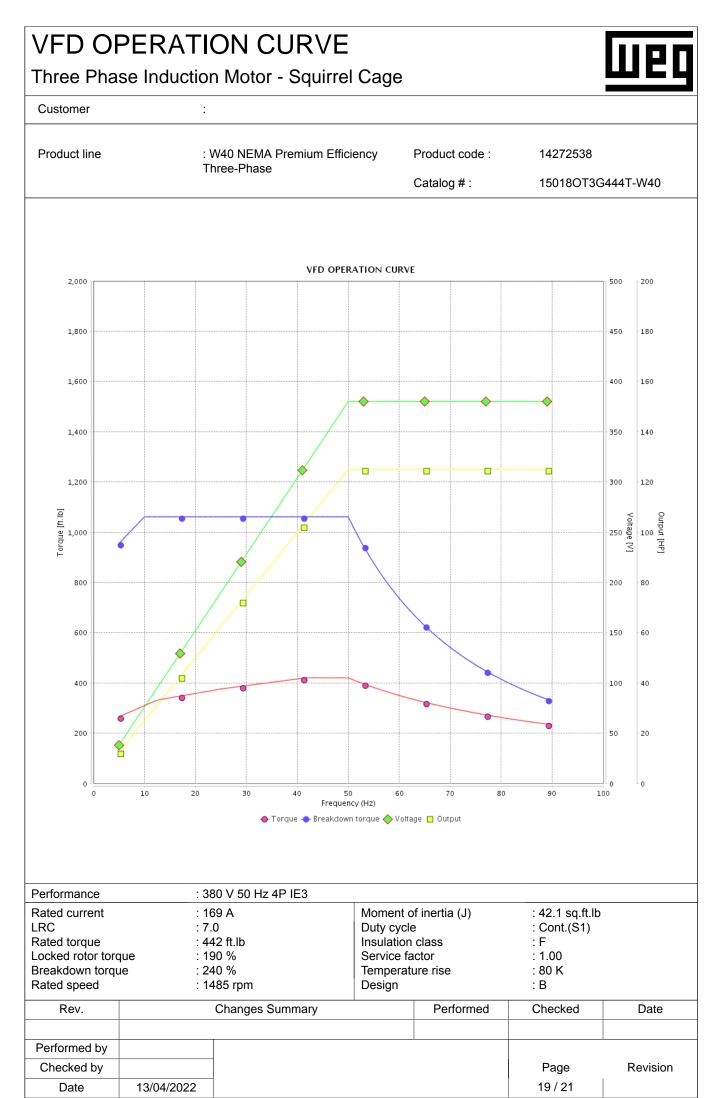
Product line		W40 NEMA Premium Efficie	ency	Product code :	14272538	
	Т	hree-Phase		Catalog # :	15018OT3G4	44T-W40
Performance		15 V 50 Hz 4P IE3				
LRC Rated torque Locked rotor torque Breakdown torque		: 7.2 Duty cy : 442 ft.lb Insulati : 240 % Service		class	: 42.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
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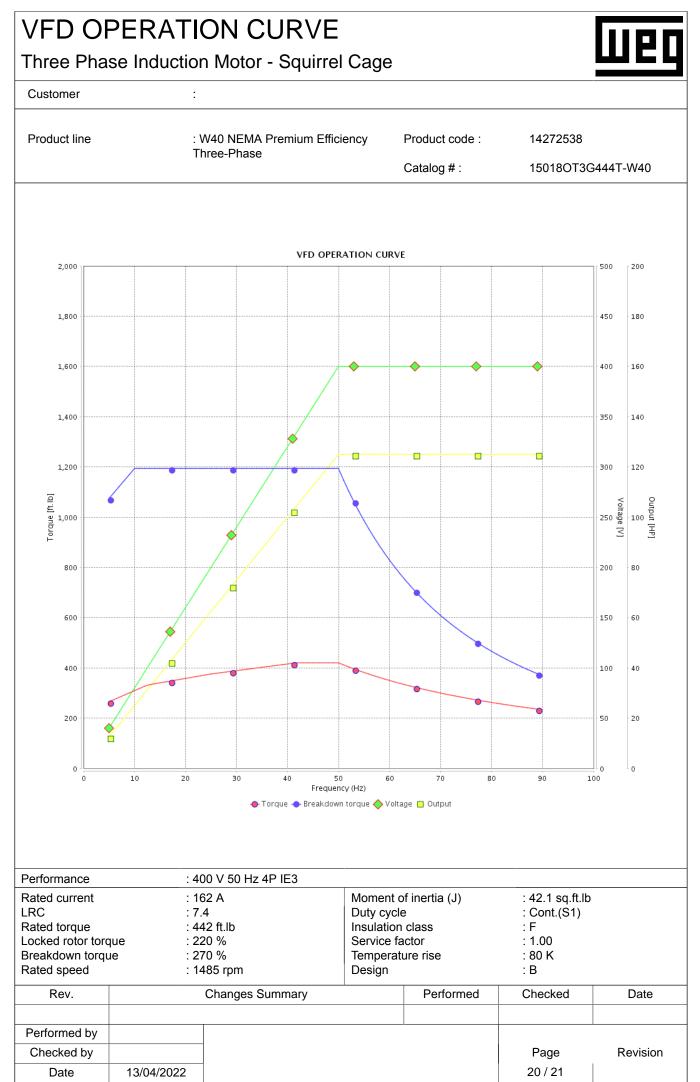




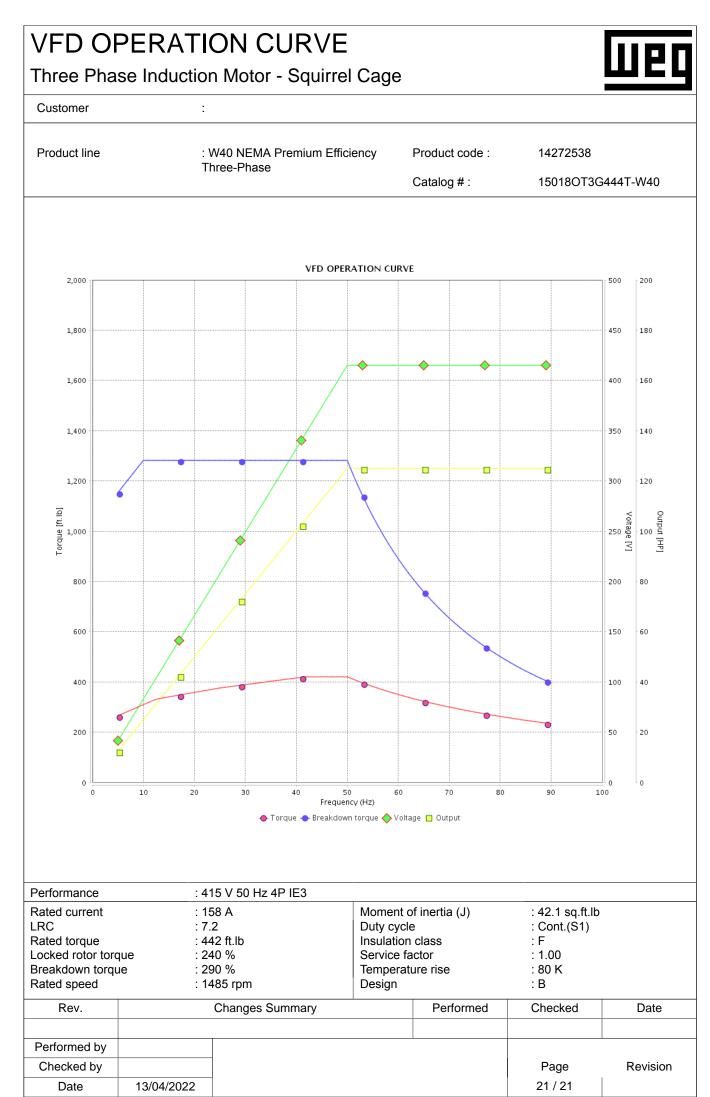
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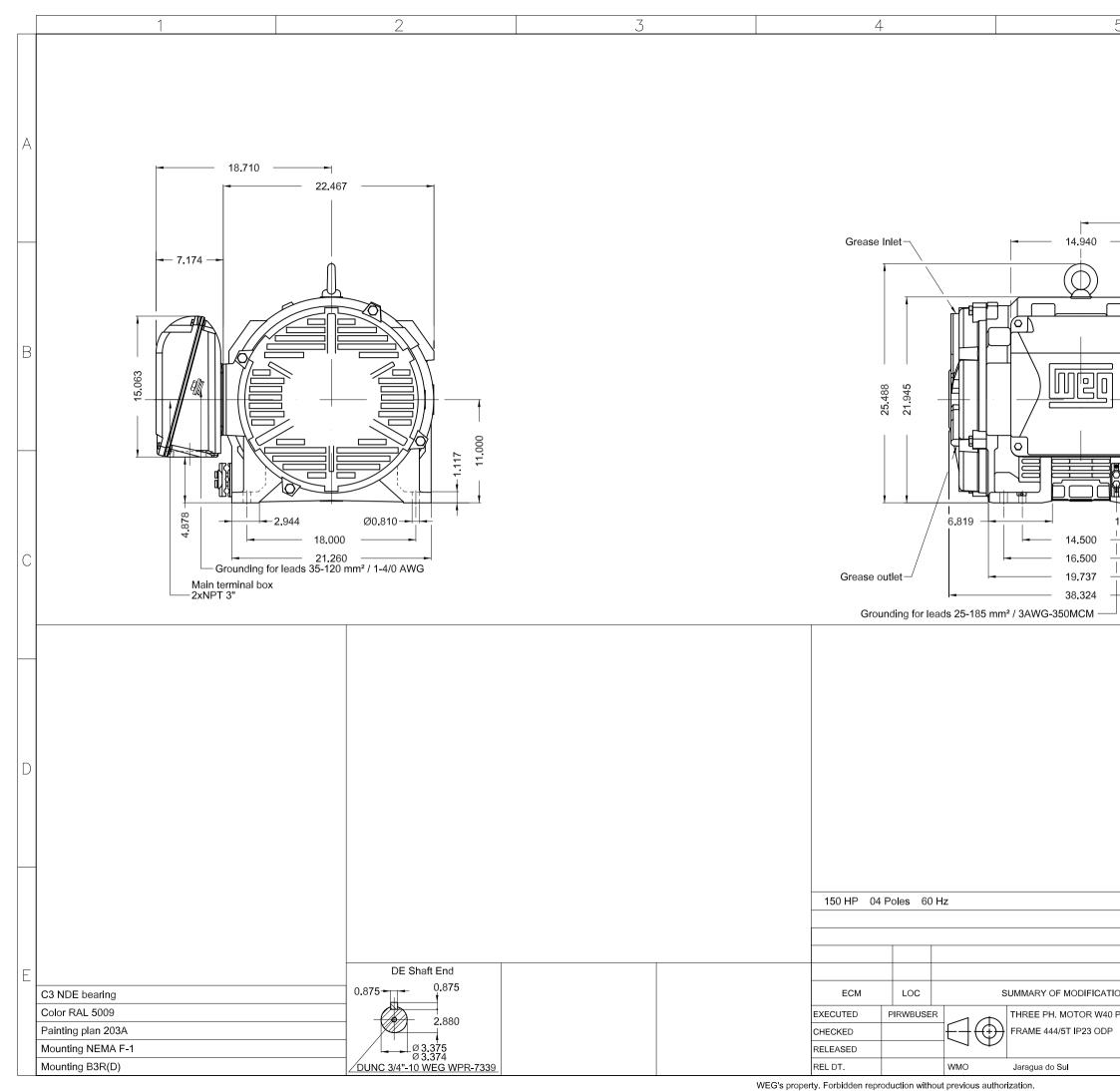
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		-Grease Inlet	.500			
TIONS	EXECUTED	CHECKED	RELEASED	1:10 DATE	A	Dimensions in inches
) PREM. EFF.		PREV				A3
Produc	t Engineering	WDD SHEET	1 / 1			XME

W40 L	CCC	29A	euiiuu Motor	(	CE c	<b>(!</b> ).	3pt9 Is <b>Liste</b>		C 60034-1 DD.TO1#F0X0N	N For 60Hz use on PWM, VT 1000:1, CT 2:1, 1.0SF
4T-W ZIL	PH 3 FR 4	44/5T	ŀ	HP(kW)	150(1	10)		Hz 6	0	PART-WINDING WYE-DELTA START RUN START RUN
3644 BRA 538	v 460		A 1	170				IP	°23	0112         0110         0112         0110         0111         0112         0110         0111         0112         0110         0111           017         018         019         016         014         015         016         014         015           016         014         015         017         018         017         018         017         018         019         017
MODEL 150180T3G444T- MADE IN BRAZIL 14272538	NEMA NOM EI	FF	95	.8	%	RPM	1784			−76 −74 −75 −776 −776 −778 −779 −778 −779 −778 −779 −71 −772 −773 −771 −778 −779 −778 −779 −773 −773 − −71 −772 −773 −771 −772 −773 −771 −772 −773 −11 −12 −13 −11 −22 −73 −71 −772 −773
L 150	ENCL ODP	DUTY	C	ONT.		INS.	cl. F	ΔT	80 к	
NODE	PF 0.85			DES	В	CODE	G	AMB.	40°C	$\rightarrow 6314-C3(27g)$ MOBIL POLYREX EM $\rightarrow 6314-C3(27g)$ 20000 h
-	SF 1.25	SF	TA 213				alt 1	000	m.a.s.l.	1334 Lbs
	125HP 90k	W 50H	z 380V	169A	1485RF	PM SF	1.25	EFF	95.3%	(IE3)