DATA SHEET

Three Phase Induction Motor - Squirrel Cage

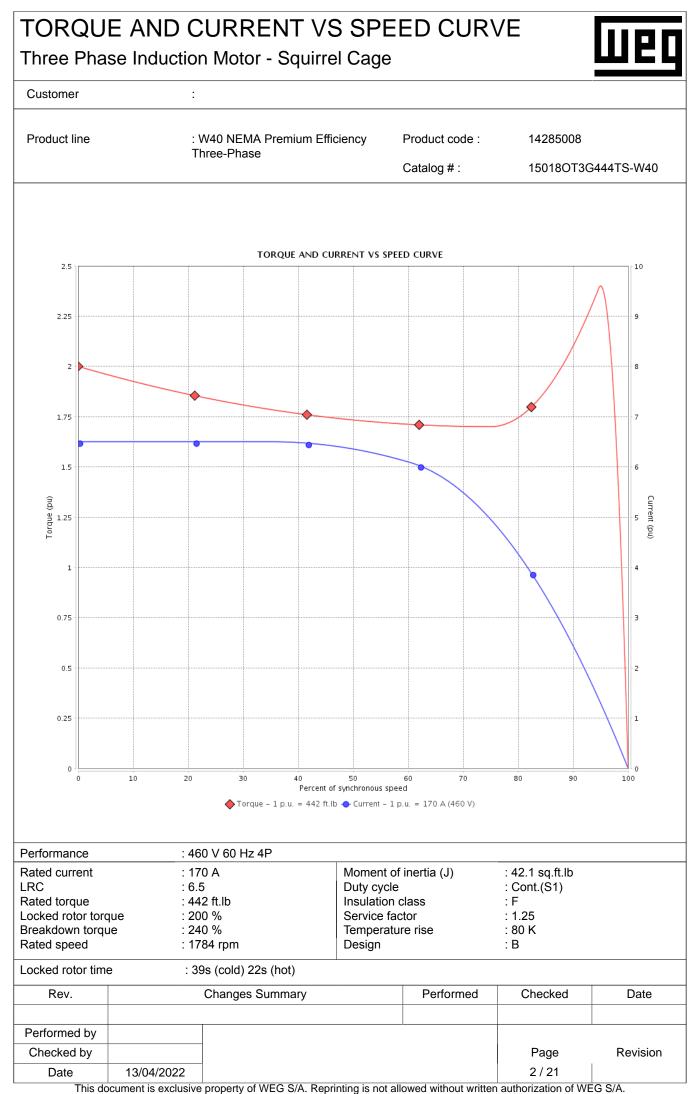
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Customer

Product line		: W40 NEMA Premiur	n Efficie	ncy Pro	oduct code :	142850	008
		Inree-Phase	hree-Phase Catalog # :			15018OT3G444TS-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 444/5TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 1332 lb : 42.1 sq.ft.lb	
Output [HP]		150		125	125 12		125
Poles		4		4	4		4
Frequency [Hz]		60		50	50	0	50
Rated voltage [V]		460		380	40	00	415
Rated current [A]		170		169	16		158
. R. Amperes [A]		1105		1183	119		1138
_RC [A]		6.5x(Code G)	7.0	Dx(Code G)	7.4x(Co	,	7.2x(Code H)
No load current [A		58.0		57.7	62	.5	66.5
Rated speed [RPN		1784		1485	148		1485
Slip [%]		0.89		1.00	1.0		1.00
Rated torque [ft.lb]		442		442	44		442
_ocked rotor torqu		200		190	22		240
Breakdown torque	[%]	240		240	27		290
Service factor		1.25		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
_ocked rotor time		39s (cold) 22s (hot)	37s (o	cold) 21s (hot	t) 36s (cold)	20s (hot)	39s (cold) 22s (hot)
Noise level ²		78.0 dB(A)					
	25%	95.3		94.8	94		95.0
Efficiency (%)	50%	95.4	94.9		94		95.1
Enciency (70)	75%	95.8	95.3		95		95.3
	100%	95.8		95.3	95		95.3
	25%	0.49		0.49	0.4		0.42
Power Factor	50%	0.74		0.74 0.82	0.7		0.68
	75%	0.82			3.0		0.78
	100%	0.85	5		3.0	34	0.83
Bearing type Sealing Lubrication interv Lubricant amoun		: 6314 C3 621 : Without W Bearing Seal Bear : 20000 h 20 : 27 g	r <u>ive end</u> 2 Z C3 ithout ing Seal 000 h 13 g	Max. traction: 2751 lbMax. compression: 4083 lb			
Lubricant type		: Mobil Polyrex E	Mobil Polyrex EM				
Notes							
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with t veight subjec ocess.	ncel the previous one, when the previous one, when the shaft end. The shaft end. The olerance of +3dB(A). The shanges after	hich		•		sts with sinusoidal stipulated in NEMA
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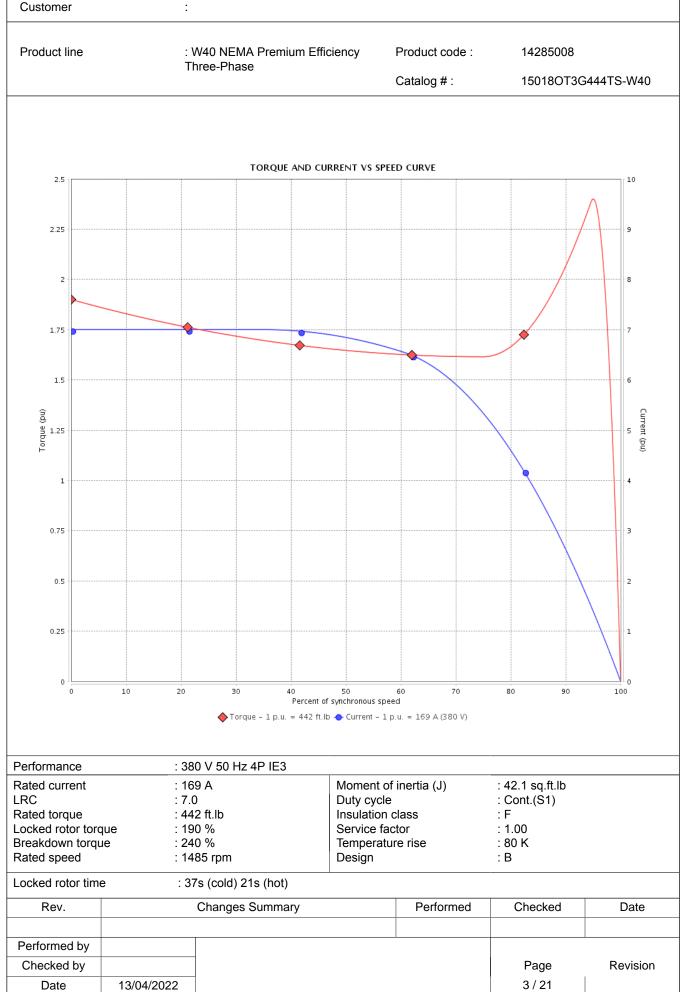
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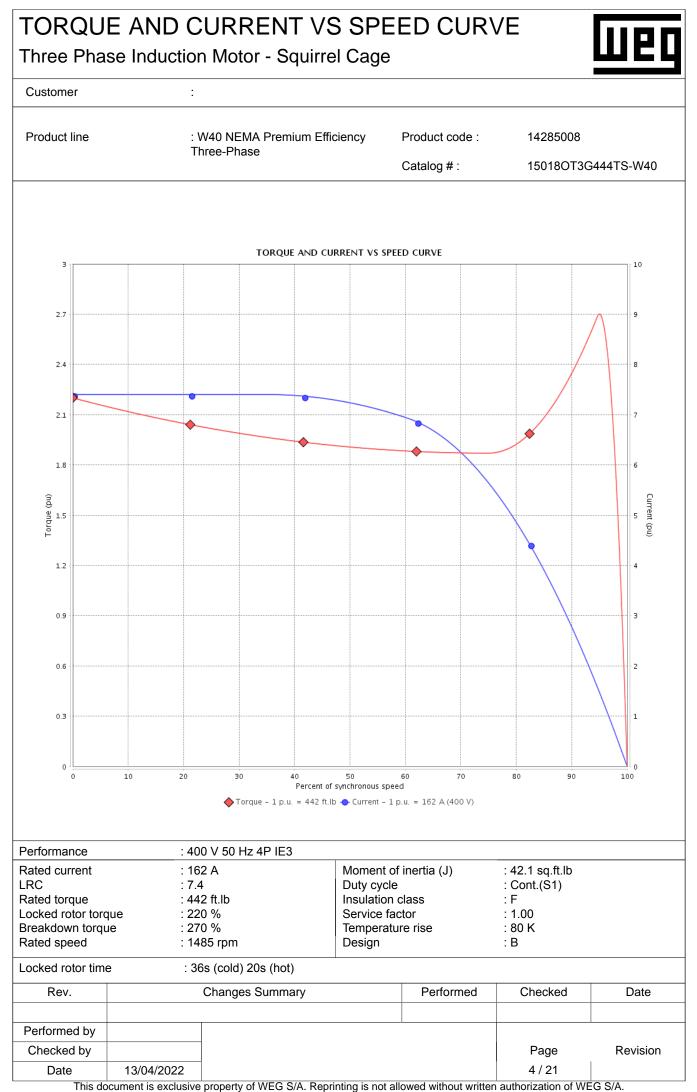
TORQUE AND CURRENT VS SPEED CURVE

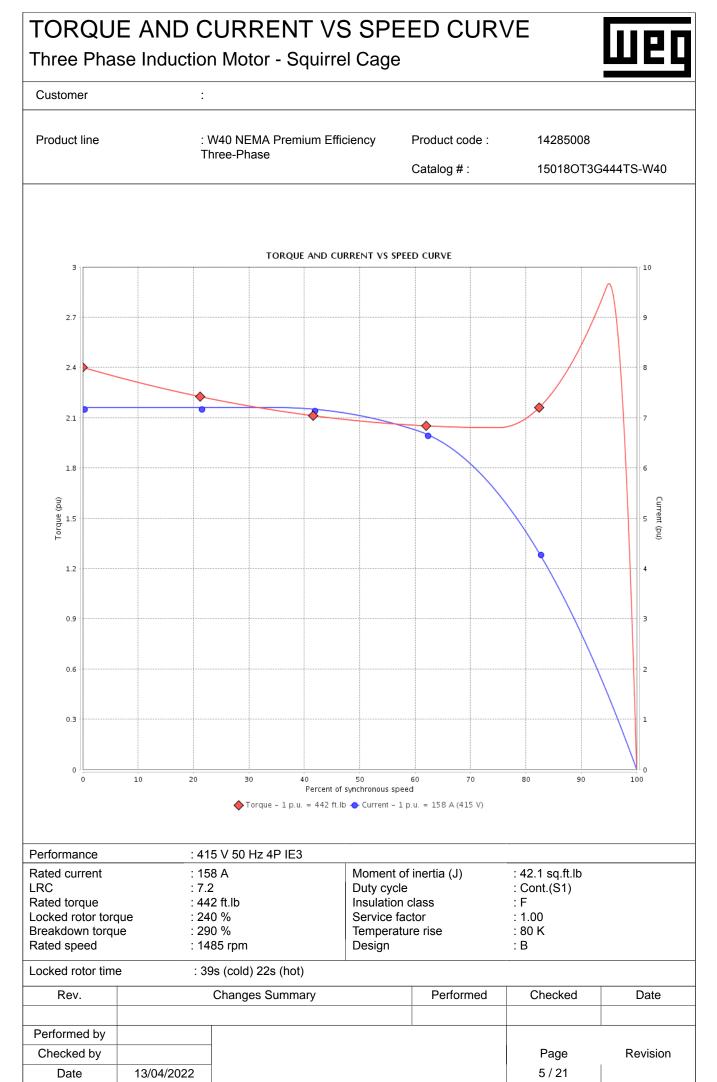
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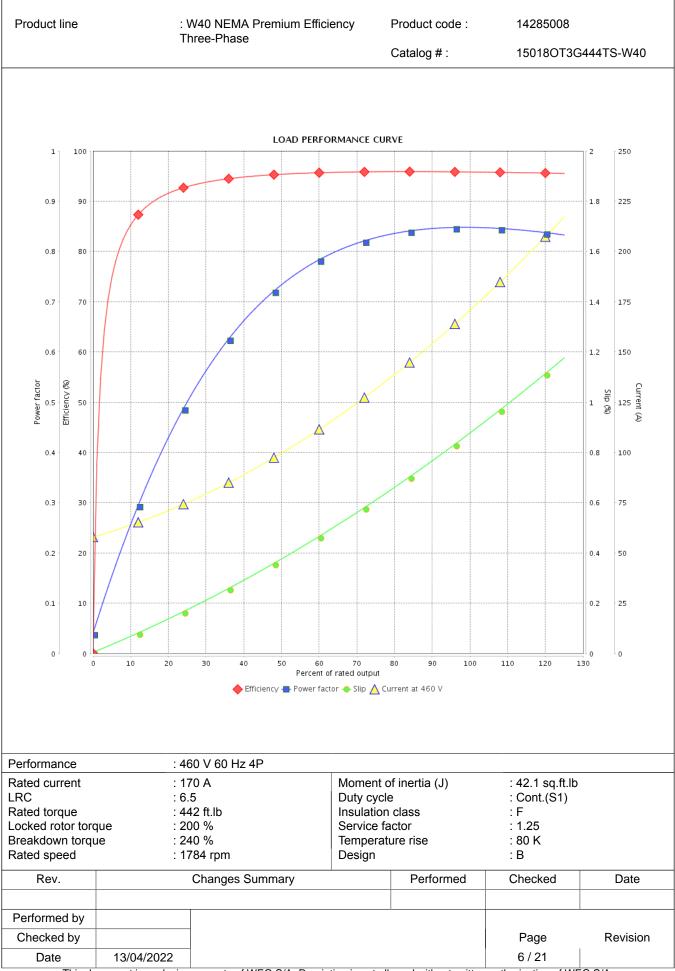


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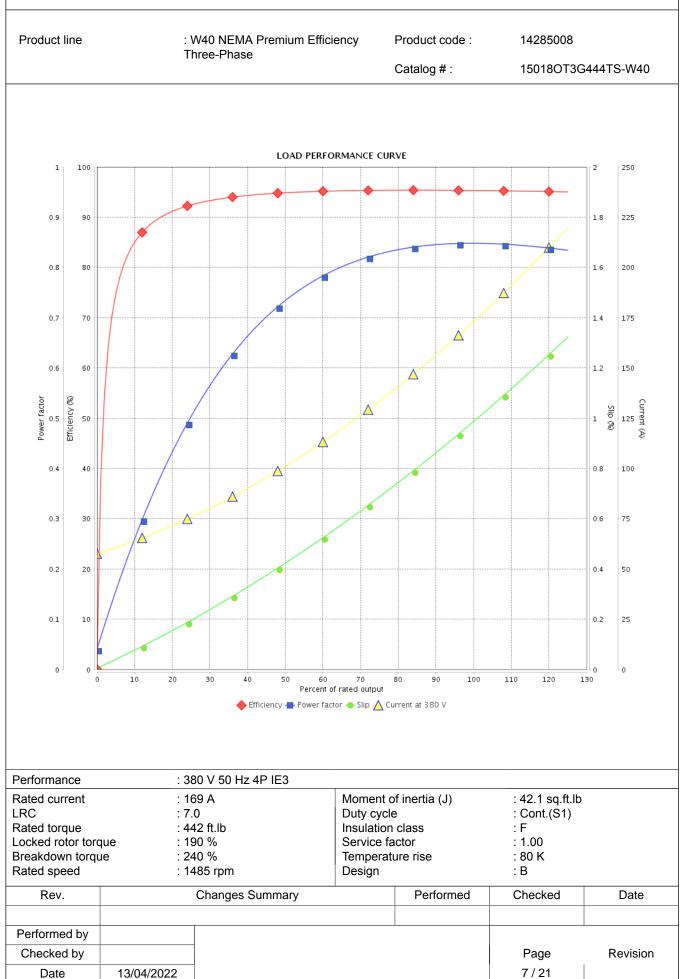
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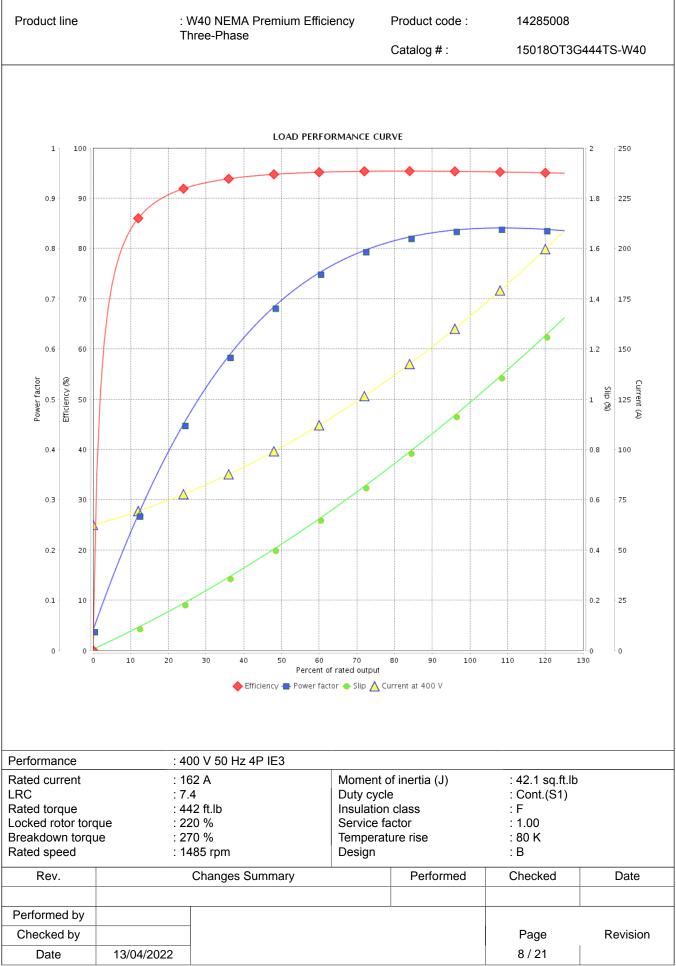
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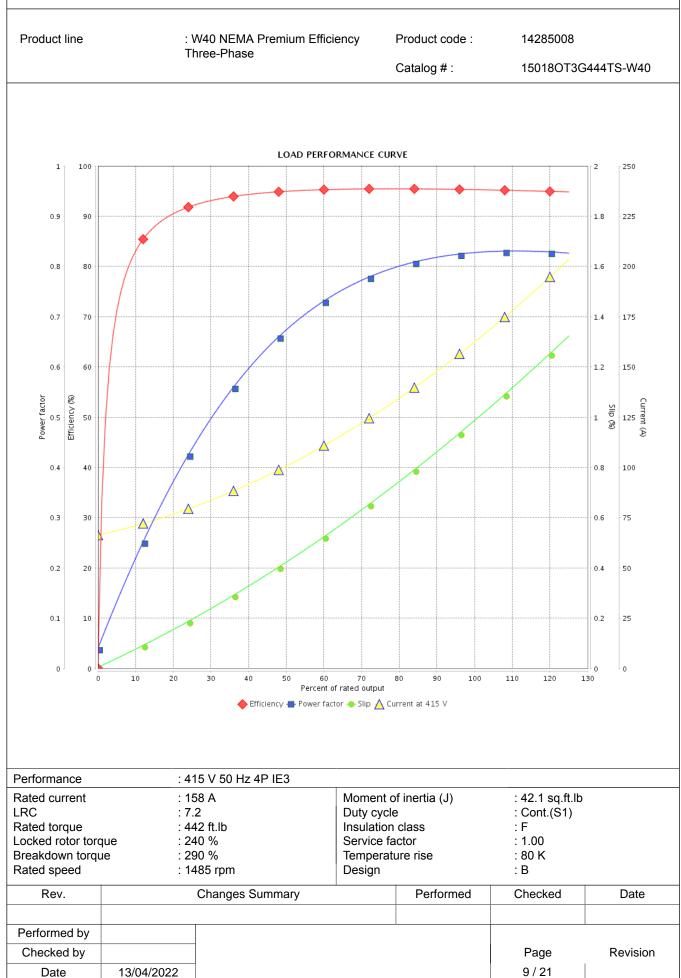
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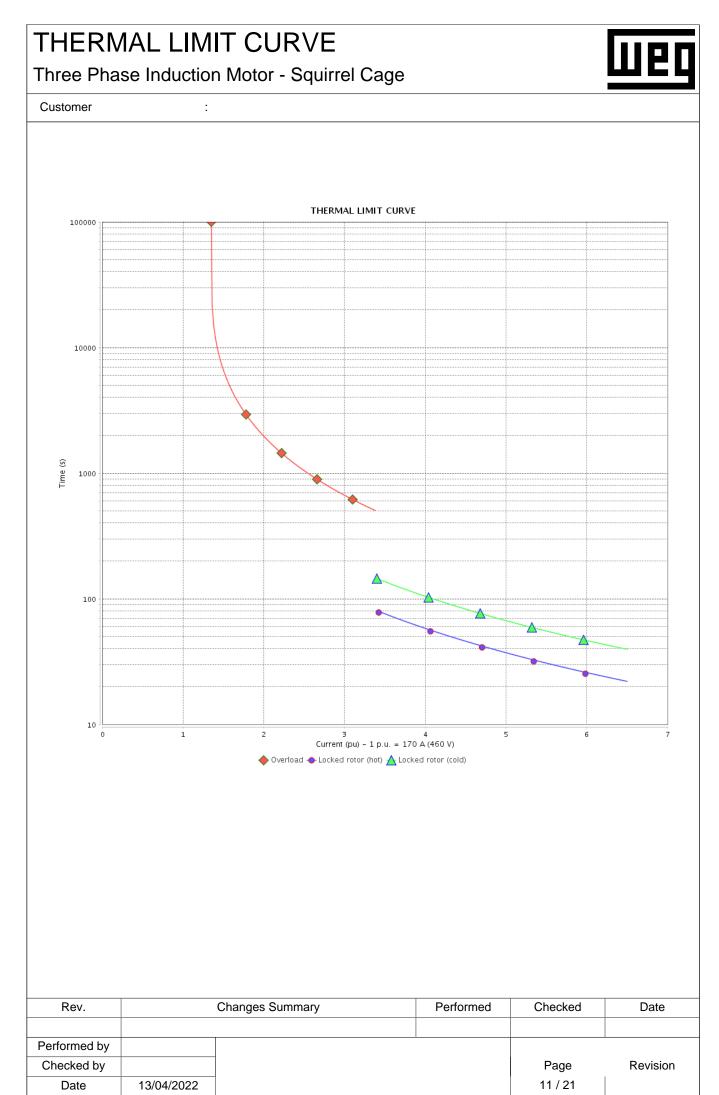
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Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14285008	14285008		
				Catalog # :	15018OT3G4	44TS-W40		
Performance	: 40	60 V 60 Hz 4P						
Rated current		70 A		f inertia (J)	: 42.1 sq.ft.lb			
LRC Rated torque	: 6	.5 42 ft.lb	Duty cycle Insulation) class	: Cont.(S1) : F			
Locked rotor tore	jue : 20	00 %	Service fa		: 1.25			
Breakdown torqu		40 %	Temperatu	ure rise	: 80 K			
Rated speed		784 rpm	Design		: B			
Heating constant								
Cooling constant	t 	Ohan maa O						
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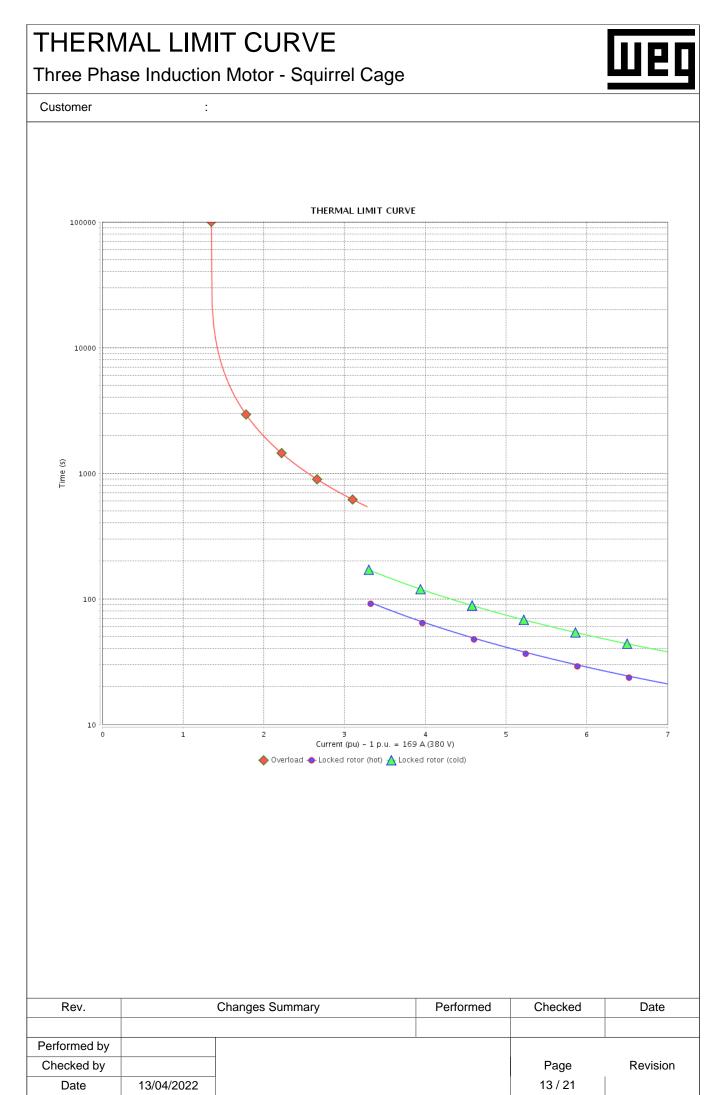


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Product line		W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14285008	14285008		
				Catalog # :	15018OT3G4	15018OT3G444TS-W40		
Performance		380 V 50 Hz 4P IE3						
Rated current LRC		169 A 7.0	Moment c Duty cycle	f inertia (J)	: 42.1 sq.ft.lb : Cont.(S1)			
Rated torque		.0 142 ft.lb	Insulation		: F			
Locked rotor toro	lue : 1	190 %	Service fa		: 1.00			
Breakdown torqu		240 %	Temperat	ure rise	: 80 K			
Rated speed		1485 rpm	Design		: B			
Heating constant								
Cooling constant								
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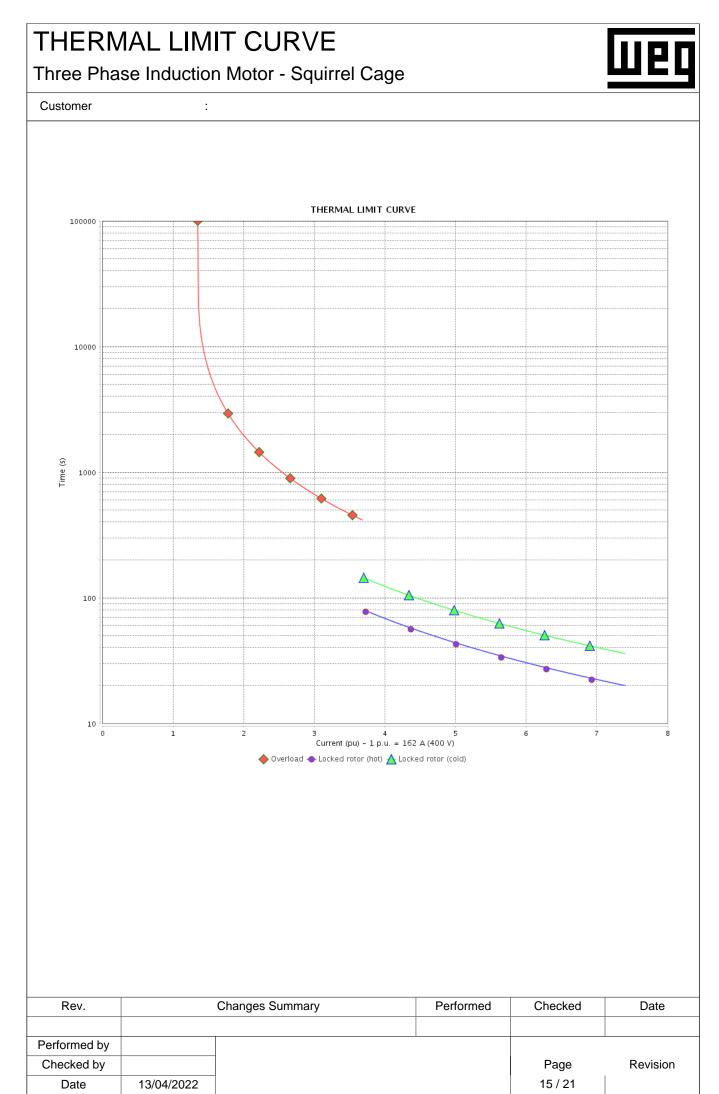


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Dreductive				Dreduct code :	44005000		
Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14285008		
				Catalog # :	15018OT3G4	44TS-W40	
Performance	: 40	00 V 50 Hz 4P IE3					
Rated current		62 A	Moment o	f inertia (J)	: 42.1 sq.ft.lb		
LRC Rated torque	: 7.	.4 42 ft.lb	Duty cycle Insulation		: Cont.(S1) : F		
Locked rotor torq		20 %	Service fa		: 1.00		
Breakdown torqu	e : 27	70 %	Temperati	ure rise	: 80 K		
Rated speed		485 rpm	Design		: B		
Heating constant							
Cooling constant		Ohan and Ohan and		Deuteursed	Observed	Data	
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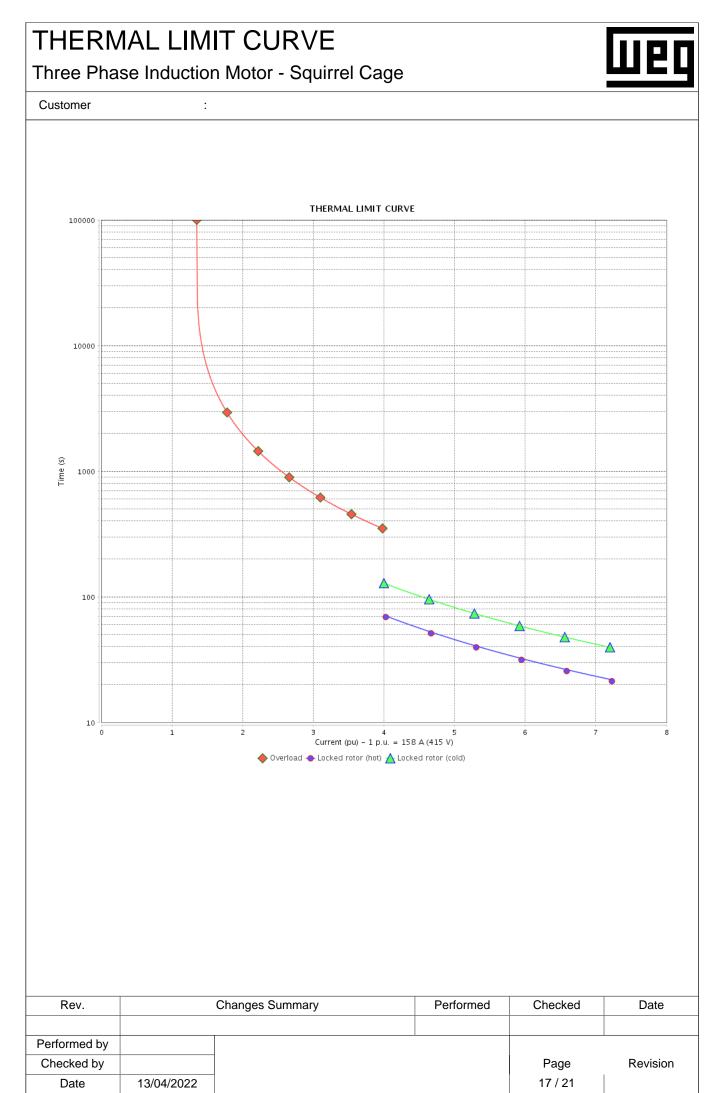
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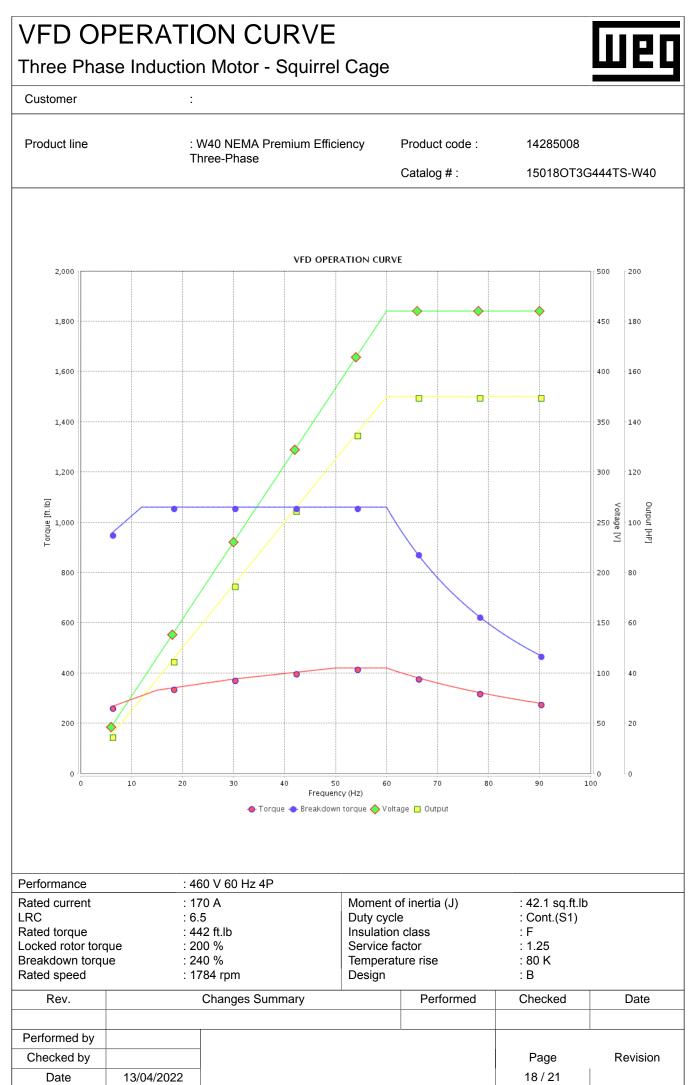


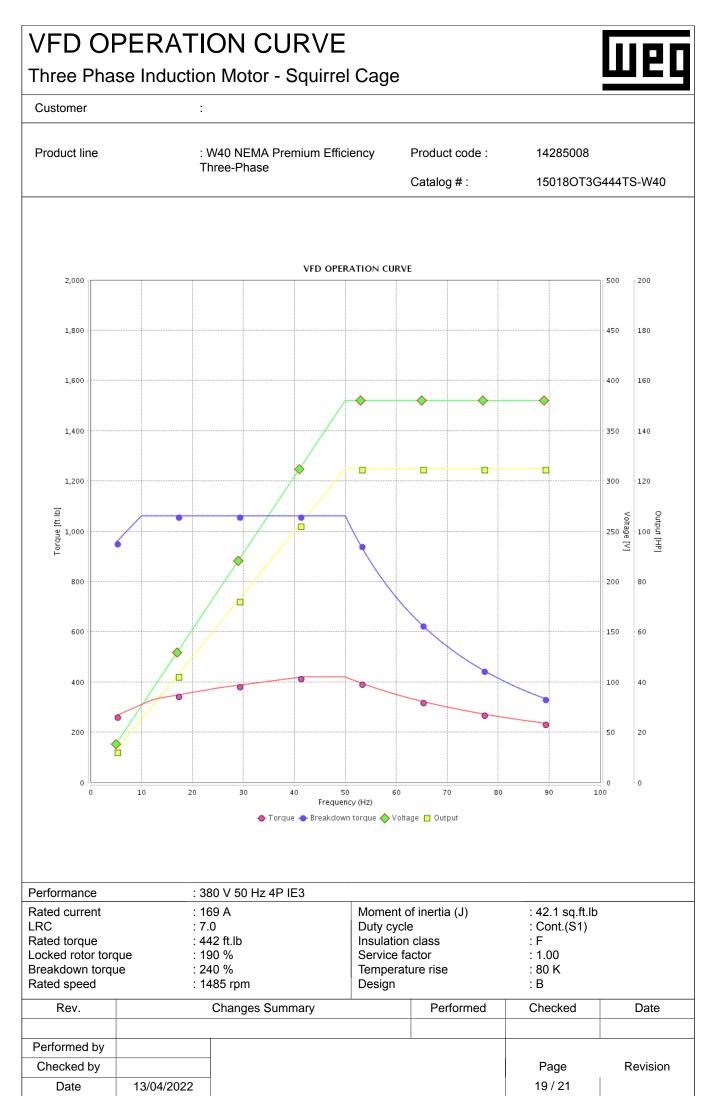
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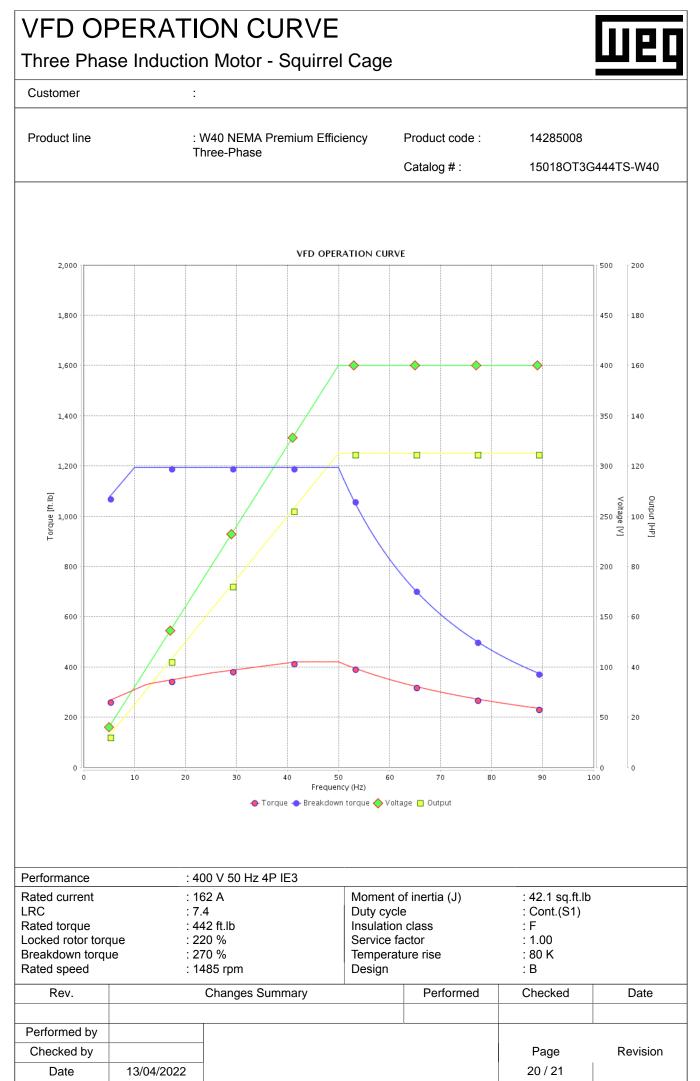
Product line		N40 NEMA Premium Efficie nree-Phase	ency	Product code :	14285008		
				Catalog # :	15018OT3G	444TS-W40	
						++++ 13VV40	
Performance	: 41	15 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 15 : 7. : 44 gue : 24 Je : 29	58 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 42.1 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
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Cooling constant							
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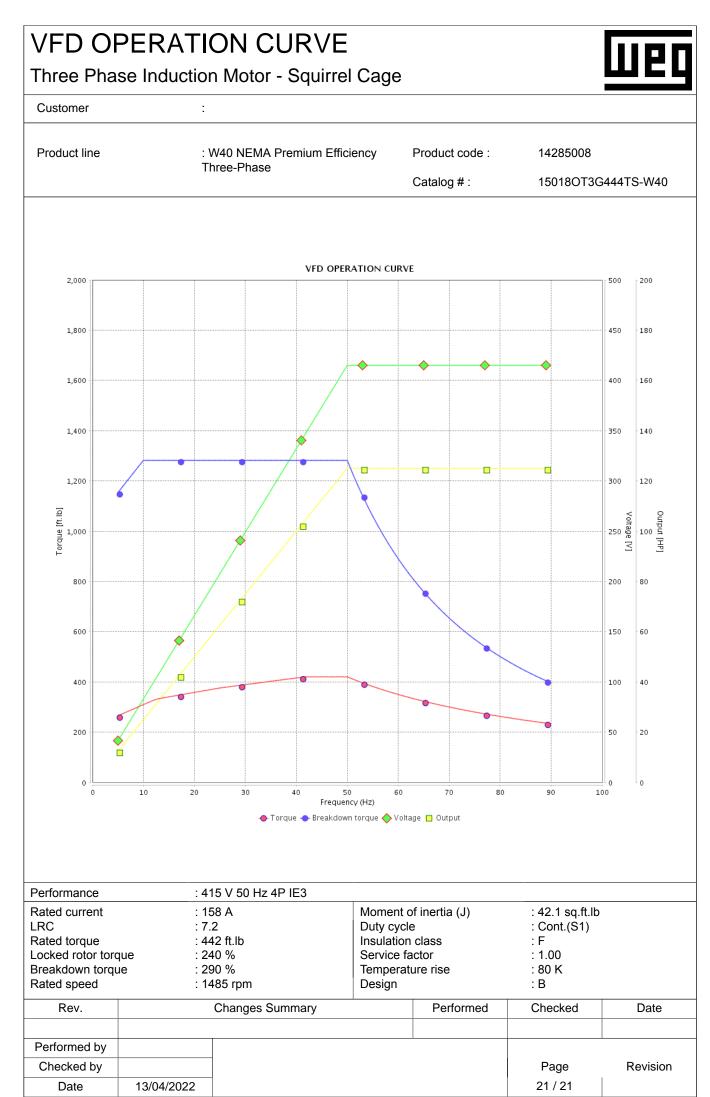
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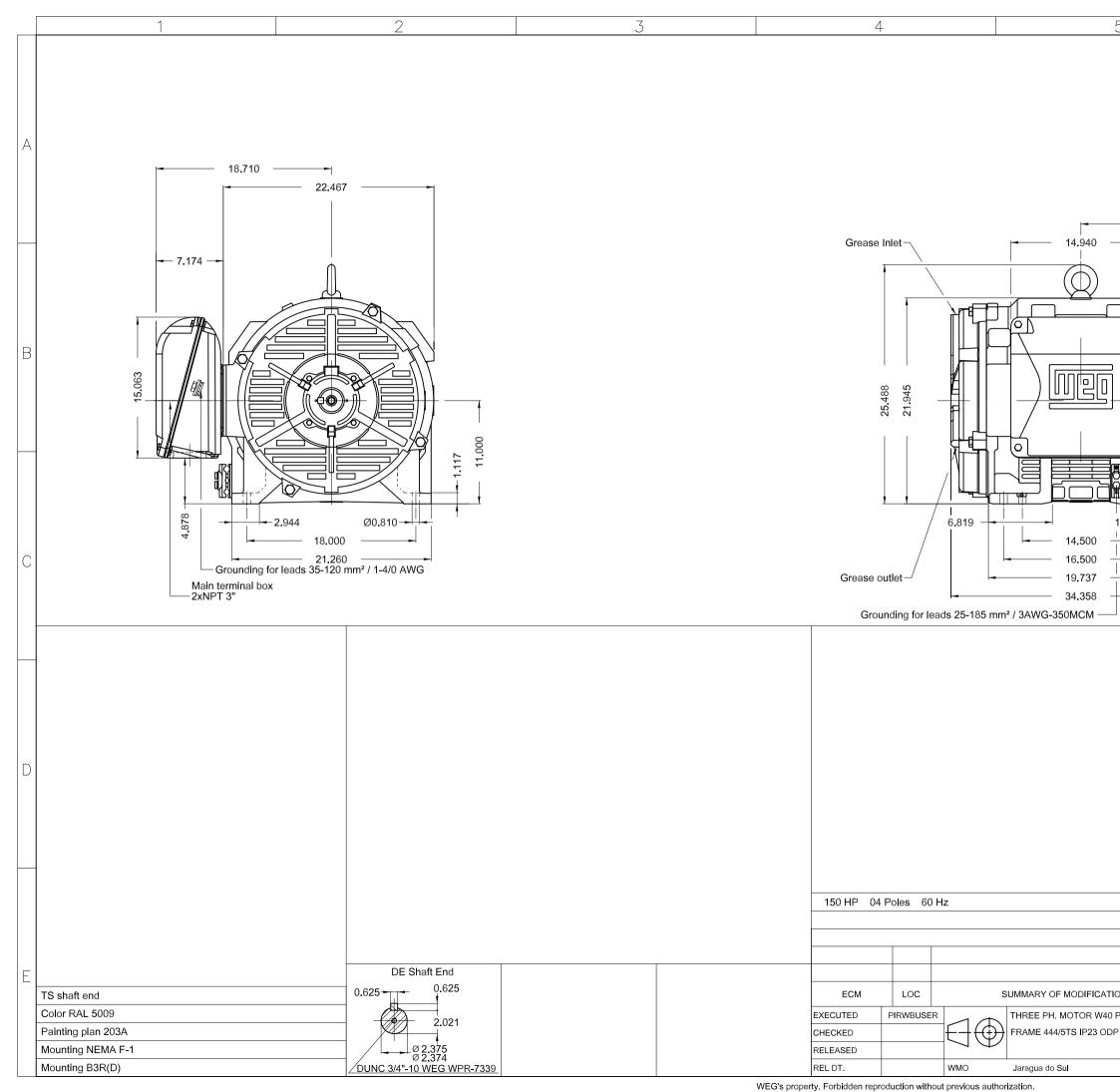












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	PH 3 FR 4	.44/	5TS	HP(kW)	150(1	10)		Hz 6	0	PART-WINDING WYE-DELTA START RUN START RUN START RUN TA
MODEL 150180T3G444TS- MADE IN BRAZIL 14285008	v 460		A	170				IP	23	0112 0110 0111 0112 0110 0111 0112 0110 0111 0112 0110 0111 017 018 019 017 018 019 016 014 015 016 014 015 016 014 015 016 014 015 017 018 019 017 018 019
180T. IN 1285	NEMA NOM E	FF	9	5.8	%	RPM	1784			ϘΤ6 ϘΤ4 ϘΤ5 ϘΤ6 ϘΤ4 ϘΤ5 ϘΤ7 ϘΤ8 ϘΤ9 ϘΤ7 ϘΤ8 ΦΤ9 ϘΤ1 ϘΤ2 ϘΤ3 ϘΤ1 ϘΤ2 ϘΤ3 ϘΤ1 ϘΤ2 ϘΤ3 ϘΤ1 ϘΤ2 ϘΤ3 L1 L2 L3 L1 L2 L3 L1 L2 L3 L1 L2 L3 L1 L2 L3
150 14DE	ENCL ODP	DUTY	, I	CONT.		INS.	cl. F	ΔT	80 K	
IODEL	PF 0.85			DES	В	CODE	G	AMB.	40°C	46314-C3(27g) MOBIL POLYREX EM $\rightarrow 6212-Z-C3(13g)$ 20000 h
2	SF 1.25		sfa 213				alt 1	000	m.a.s.l.	1283 Lbs
	125HP 90k	w 50)Hz 380V	169A	1485RF	PM SF	1.25	EFF	95.3% ((IE3)