DATA SHEET

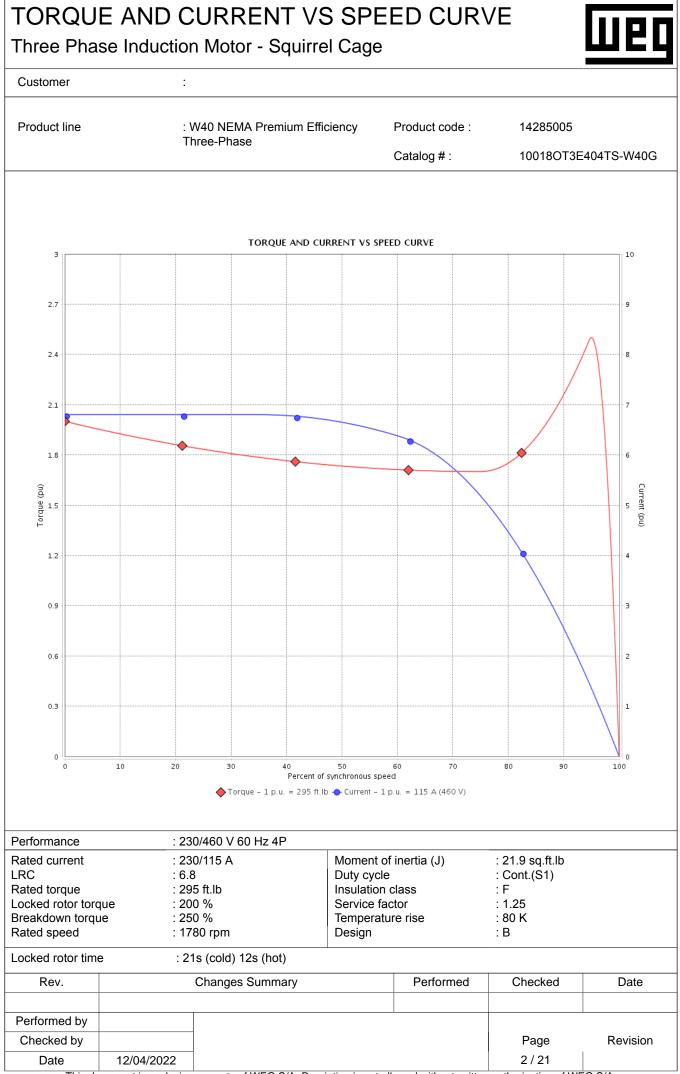
Three Phase Induction Motor - Squirrel Cage

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Customer

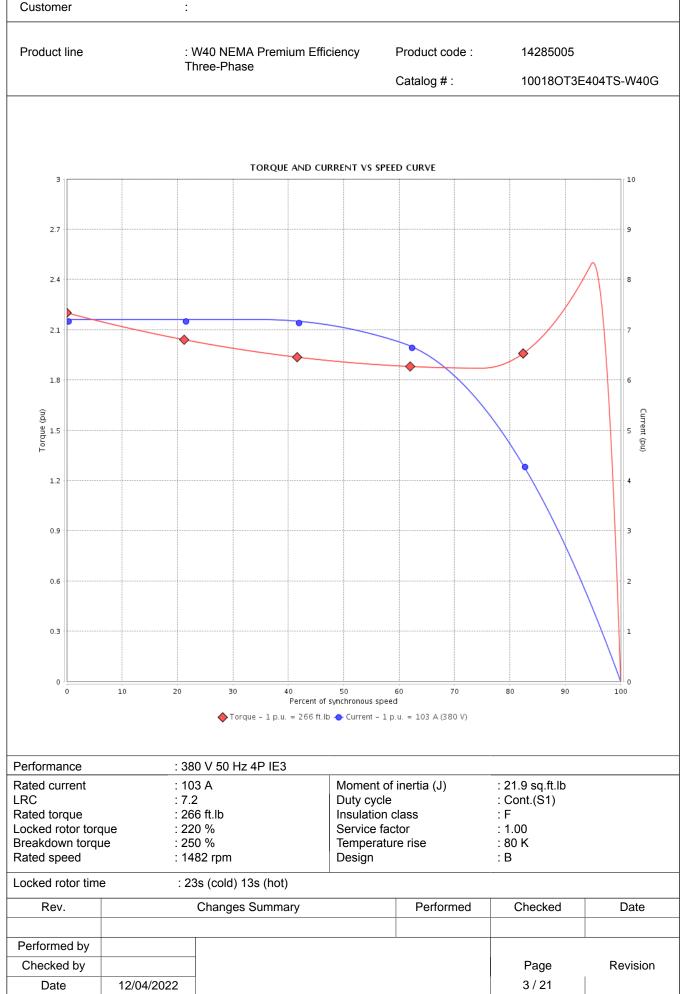
Product line		Three-Phase		ncy Pr	y Product code : Catalog # :		14285005 10018OT3E404TS-W40G	
				Ca				
Frame		: 404/5TS		Cooling m	ethod	: IC01 -	ODP	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C	: -20°C to +40°C		nethod	: Direct On Line		
Altitude		: 1000 m.a.s.l.	: 1000 m.a.s.l.		Approx. weight ³		: 938 lb	
Protection degre Design	e	: IP23 : B			Moment of inertia (J)		: 21.9 sq.ft.lb	
Dutput [HP]		100	1	75	7	5	75	
Poles		4		4	4	-	4	
requency [Hz]		60	-		5		50	
Rated voltage [V]		230/460		50 380	40		415	
Rated current [A]		230/115		103	97		96.2	
. R. Amperes [A]		1564/782		742	68		750	
R. Amperes [A] .RC [A]		6.8x(Code G)	7 7	2x(Code H)	7.0x(C		7.8x(Code J)	
	1		1.2					
No load current [A		79.4/39.7		33.0	36		40.0	
Rated speed [RPN	vij	1780		1482	14		1485	
Slip [%]	,	1.11		1.20	1.0		1.00	
Rated torque [ft.lb]		295		266	26		265	
ocked rotor torqu		200		220	24		270	
Breakdown torque	e [%]	250		250 1.00	28		300	
Service factor					1.(1.00	
emperature rise		80 K	0 K 80		80		80 K	
Locked rotor time		21s (cold) 12s (hot)			ot) 21s (cold)	12s (hot)	25s (cold) 14s (hot)	
loise level ²		69.0 dB(A)						
	25%	94.9	90.2		90		90.3	
Efficiency (0/)	50%	95.0		91.9	92	0	92.0	
Efficiency (%)	75%	95.4	1	92.9	92	.9	92.9	
	100%	95.4	1	94.7	94		94.7	
	25%	0.49		0.50	0.4		0.44	
	50%		0.75 0.73		0.7		0.70	
Power Factor	75%	0.83		0.82	0.8		0.80	
	100%	0.86		0.86	0.8		0.84	
			rive end	1			0.01	
Bearing type					Max. traction : 1917 lb			
Sealing			ithout	Max. compression		: 2855 lb		
- county						. 2000 10		
Lubrication interv	val		000 h					
Lubricant amoun			13 g					
Lubricant type			Mobil Polyrex EM					
Notes								
USABLE @208V	254A SF 1.1	15 SFA 292A						
This revision real	aces and cor	ncel the previous one, w	hich	These are	average values	hased on test	s with sinusoidal	
must be eliminate							tipulated in NEMA	
(1) Looking the m		shaft and		MG-1.		C 10101 a11003 5		
		olerance of +3dB(A).		1010-1.				
		t to changes after						
manufacturing pro		a to onungeo alter						
(4) At 100% of ful								
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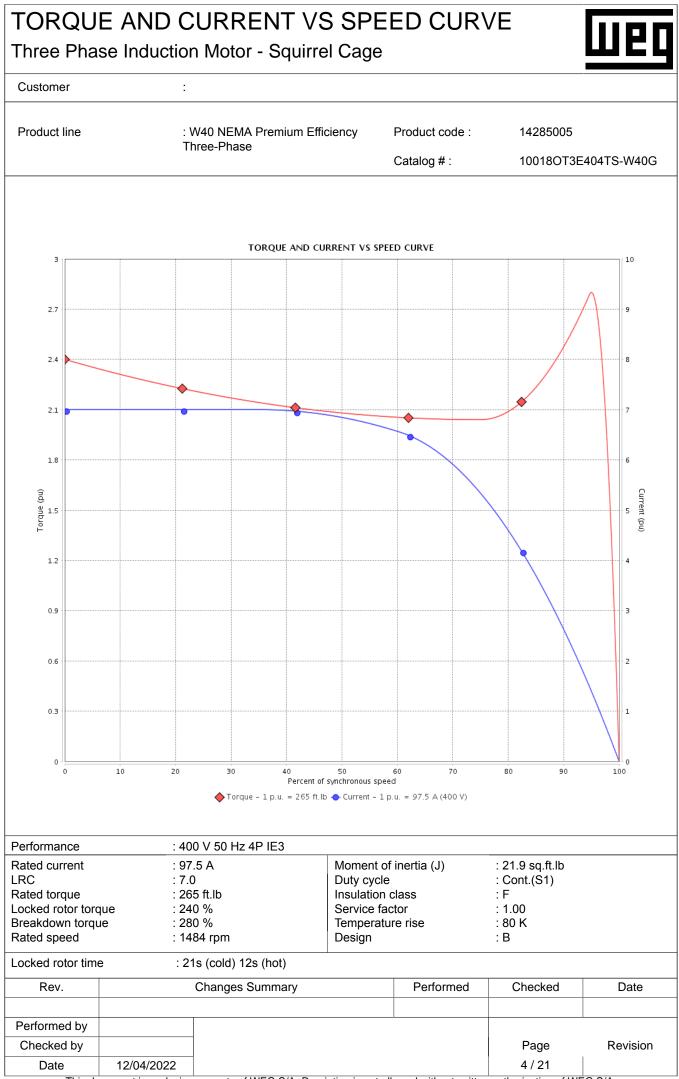
TORQUE AND CURRENT VS SPEED CURVE

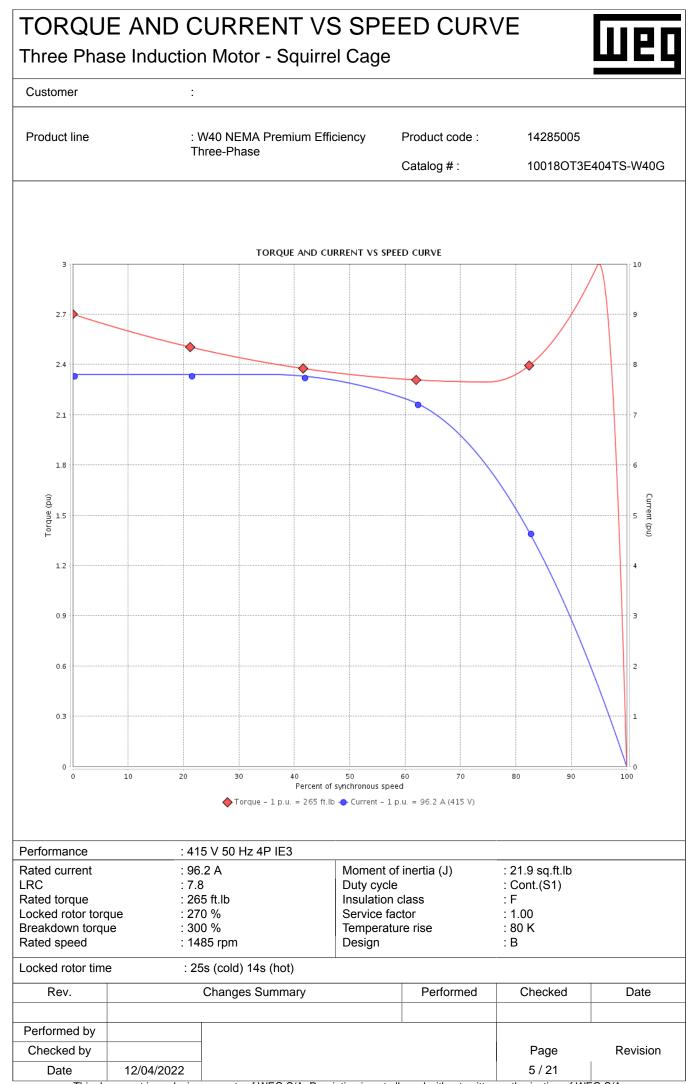
Three Phase Induction Motor - Squirrel Cage

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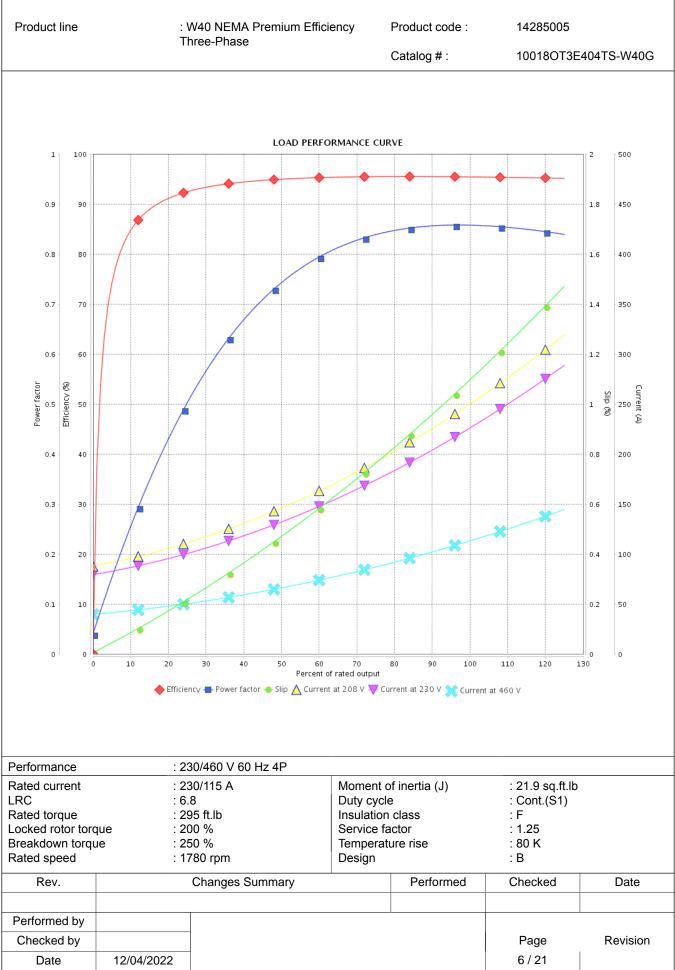


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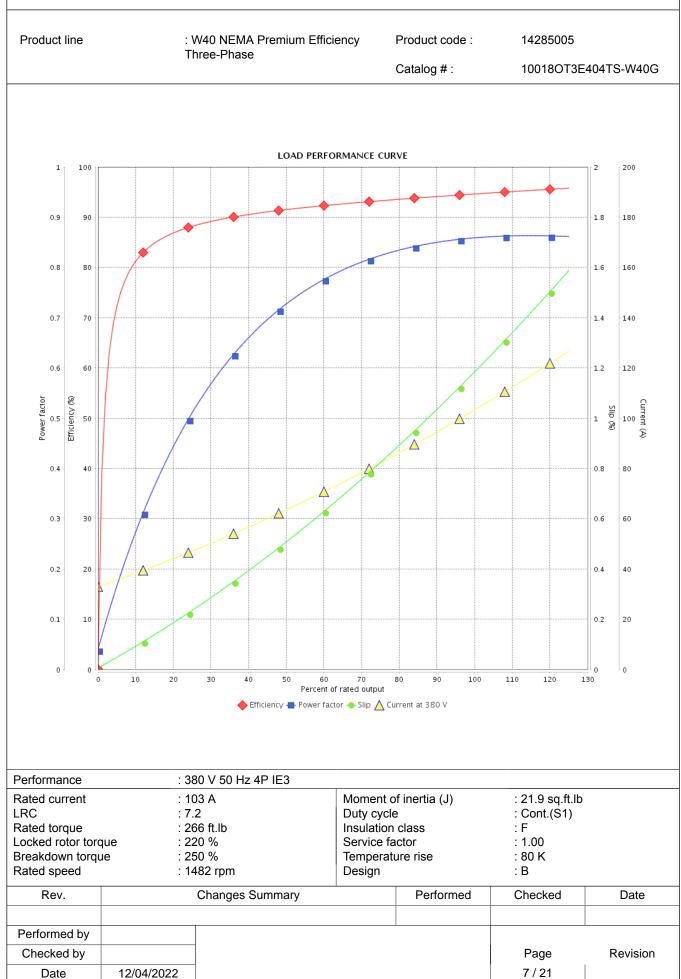
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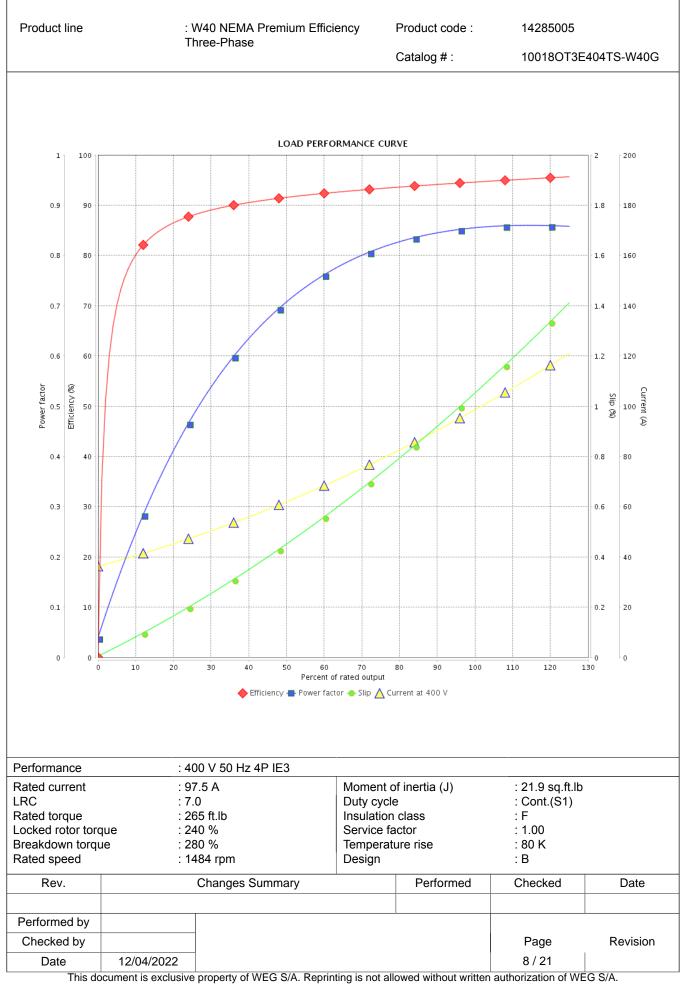
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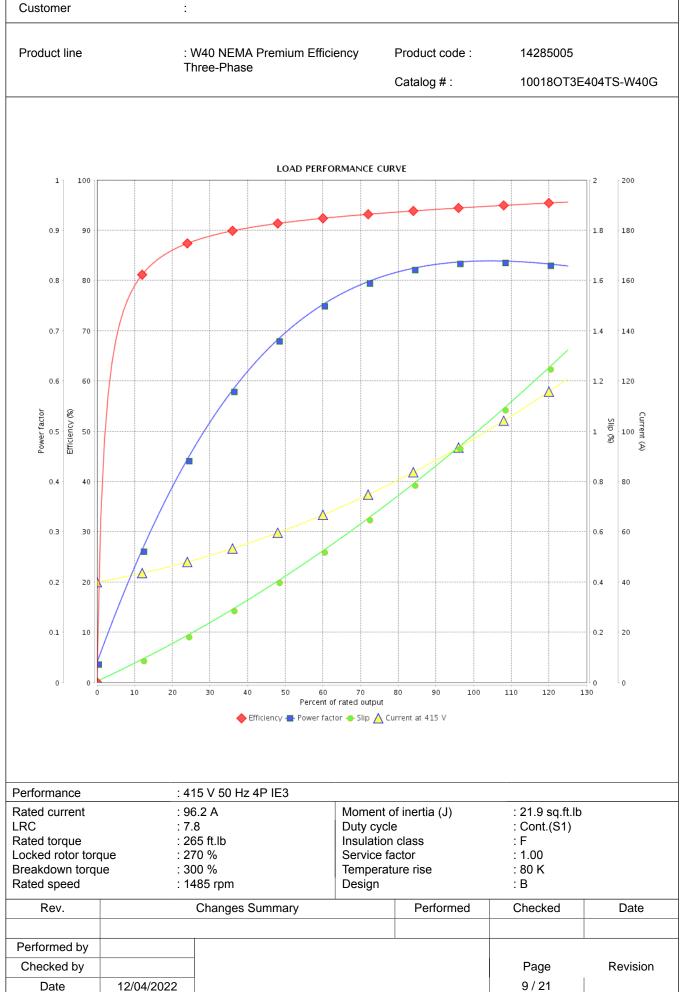


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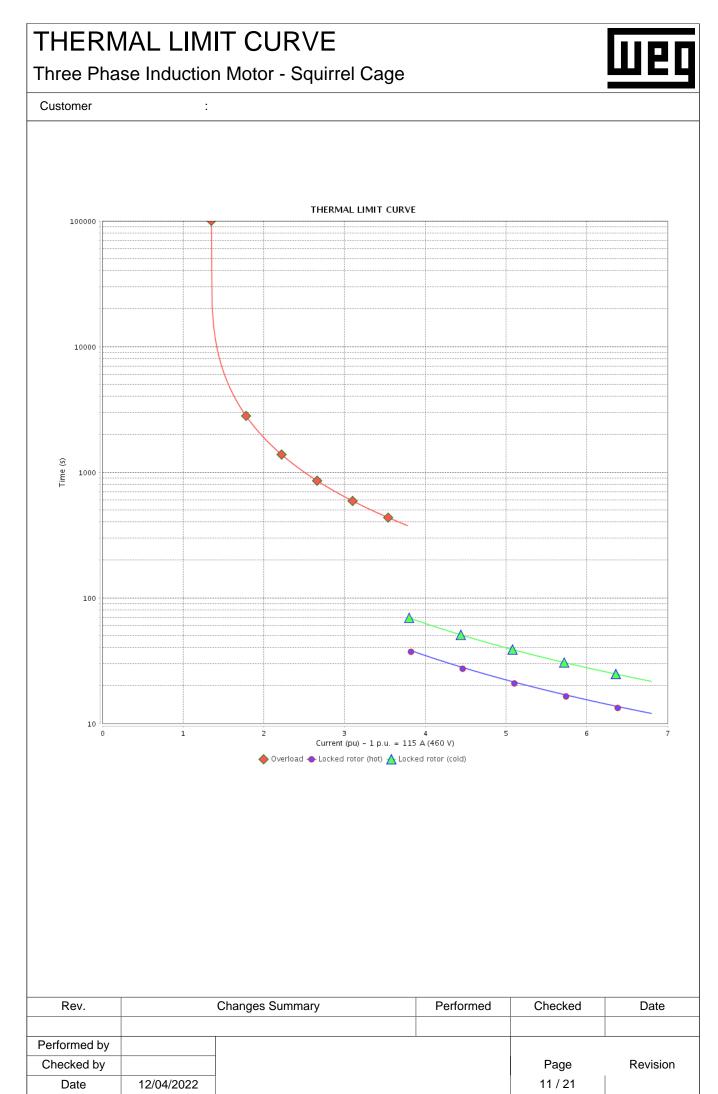
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficier Three-Phase		Product code :	14285005		
	11	nree-Pnase		Catalog # :	10018OT3E	404TS-W40G	
Performance	: 23	30/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 29 que : 20 ue : 29	30/115 A .8 95 ft.lb 00 % 50 % 780 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 21.9 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constan	t						
Cooling constant	t						
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Date	12/04/2022	-			10 / 21		
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THERMAL LIMIT CURVE	
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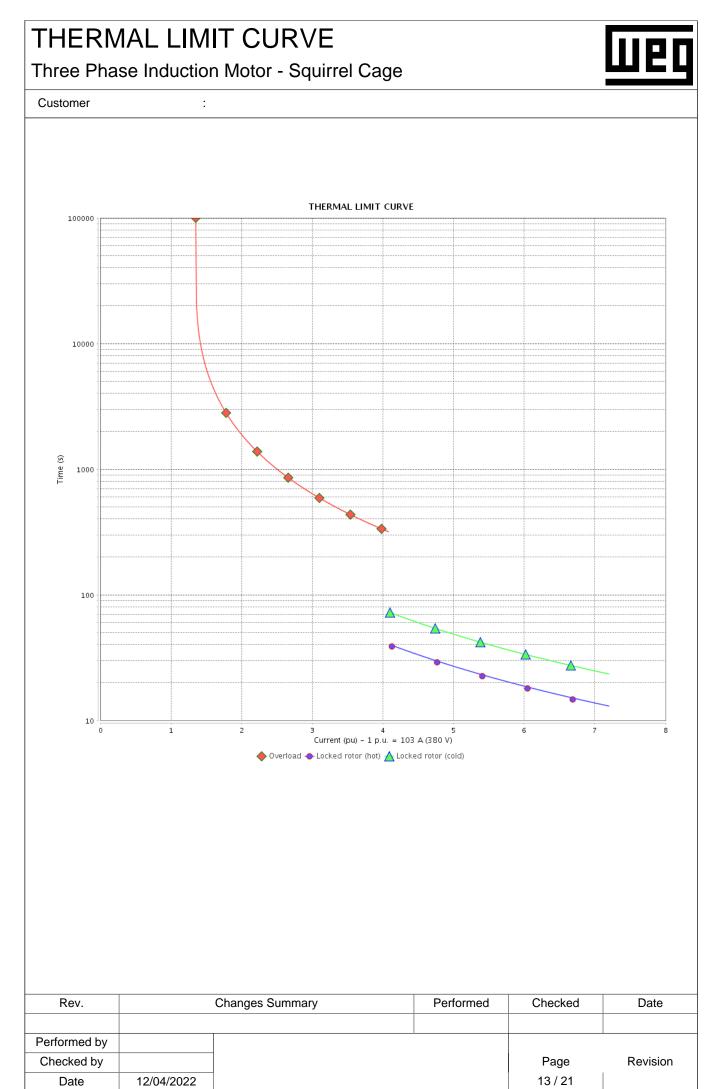
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficier Three-Phase		Product code :	14285005		
	I	nree-Phase		Catalog # :	10018OT3E	404TS-W40G	
Performance		80 V 50 Hz 4P IE3					
Rated current LRC	: 10 : 7.	03 A 2	Moment of inertia (J) Duty cycle		: 21.9 sq.ft.lb : Cont.(S1)		
Rated torque	: 26	66 ft.lb	Insulation class		: F		
Locked rotor tore Breakdown torqu		20 % 50 %	Service factor Temperature rise		: 1.00 : 80 K		
Rated speed : 1482 rpm			Design		: B		
Heating constan	t						
Cooling constan	t		ı				
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THERMAL LIMIT CURVE	
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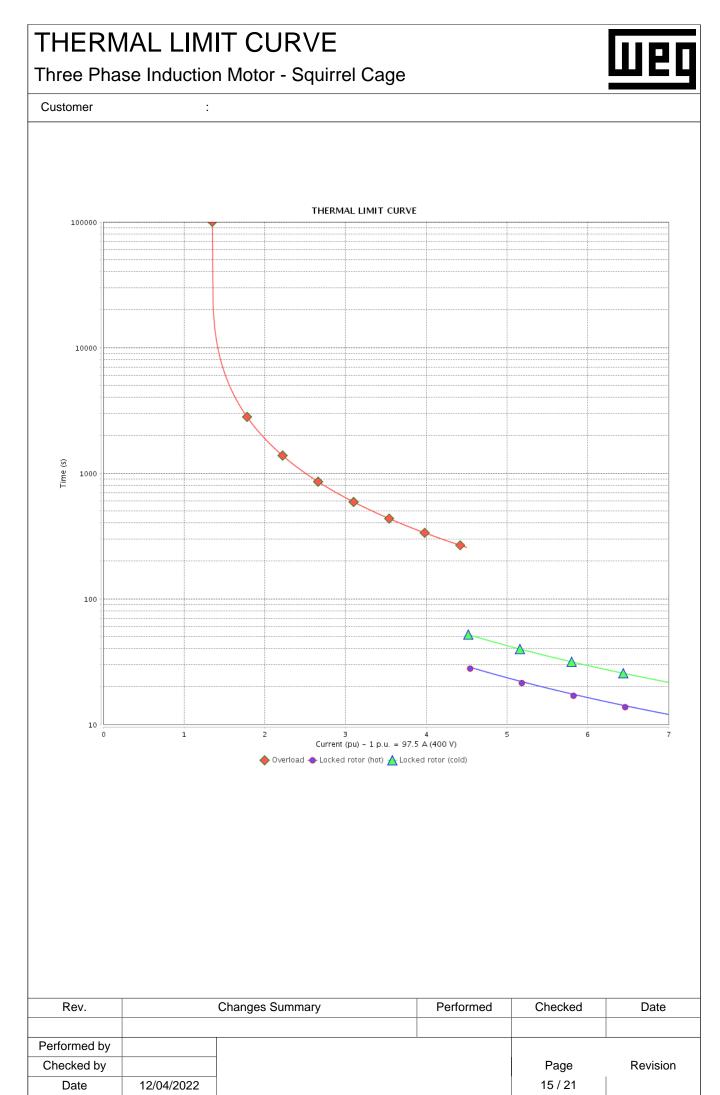
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Customer

Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14285005	
			Catalog # :	10018OT3E404TS-W40G	
	: 400 V 50 Hz 4P IE3		6 · · · · · · · · · · · · · · · · · · ·		
Rated current LRC	: 97.5 A : 7.0	Duty cycle	f inertia (J) e	: 21.9 sq.ft.lb : Cont.(S1)	
	: 265 ft.lb	Insulation	class	: F	
	: 240 % : 280 %	Service fa Temperat		: 1.00 : 80 K	
	: 1484 rpm	Design		: B	
Heating constant					
Cooling constant			1		
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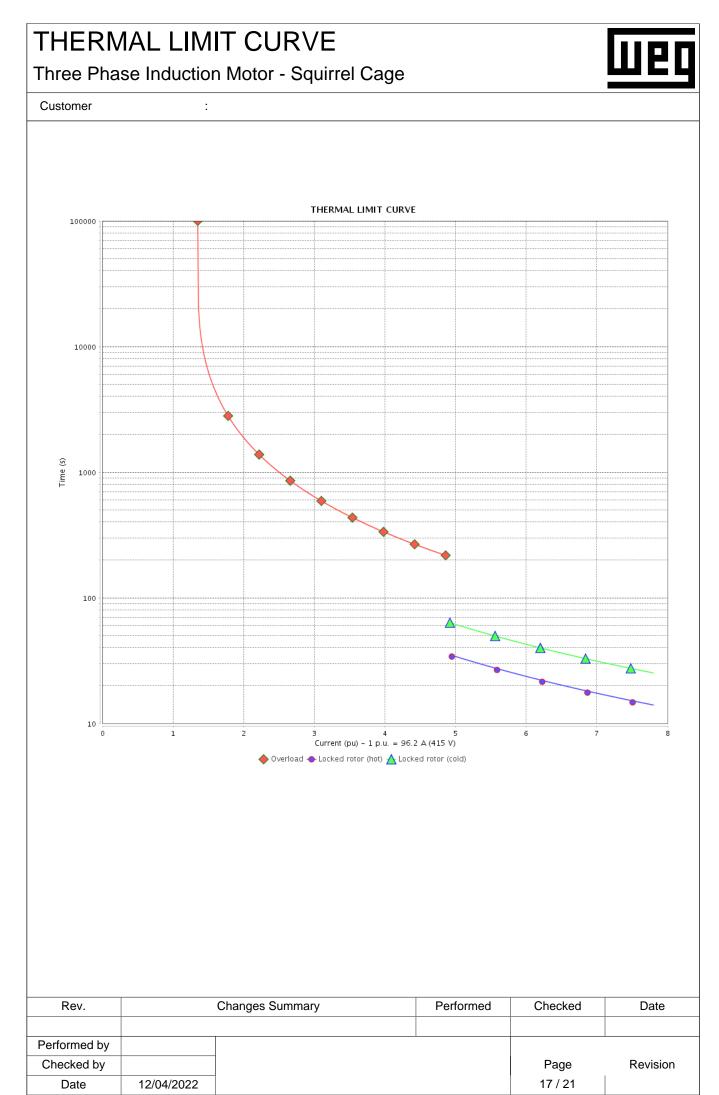
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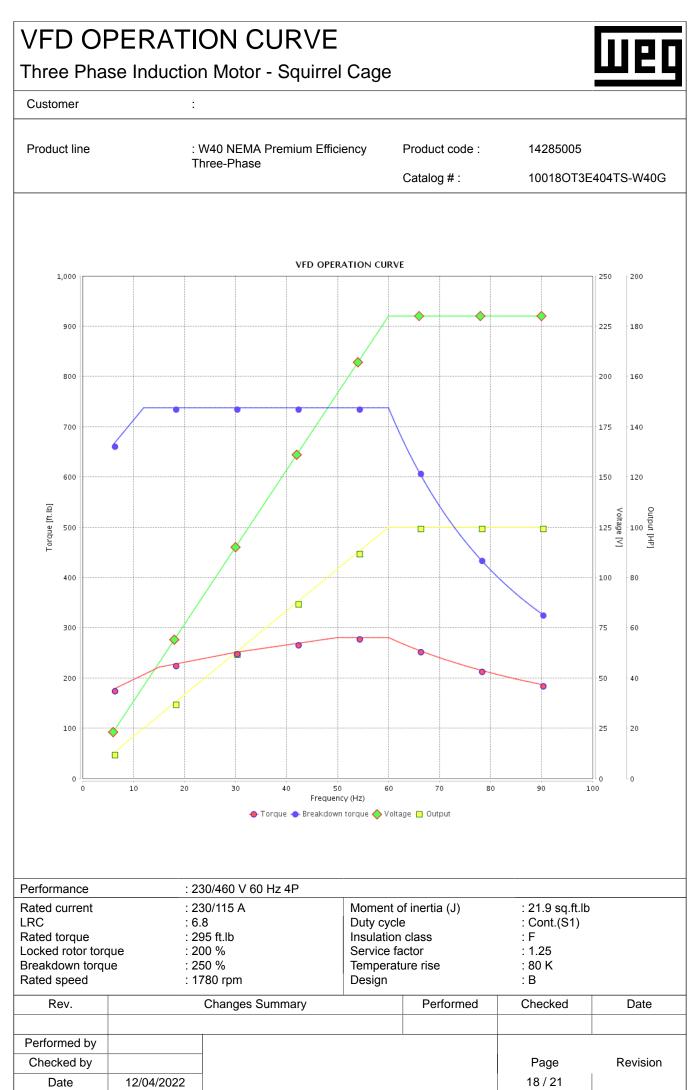
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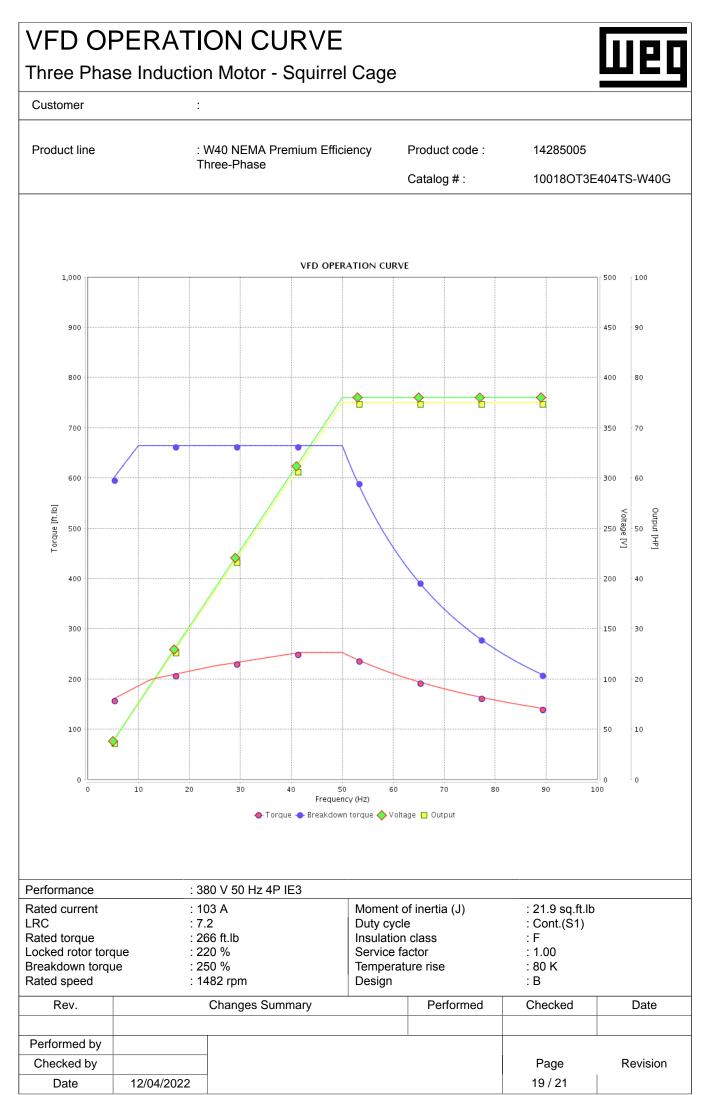


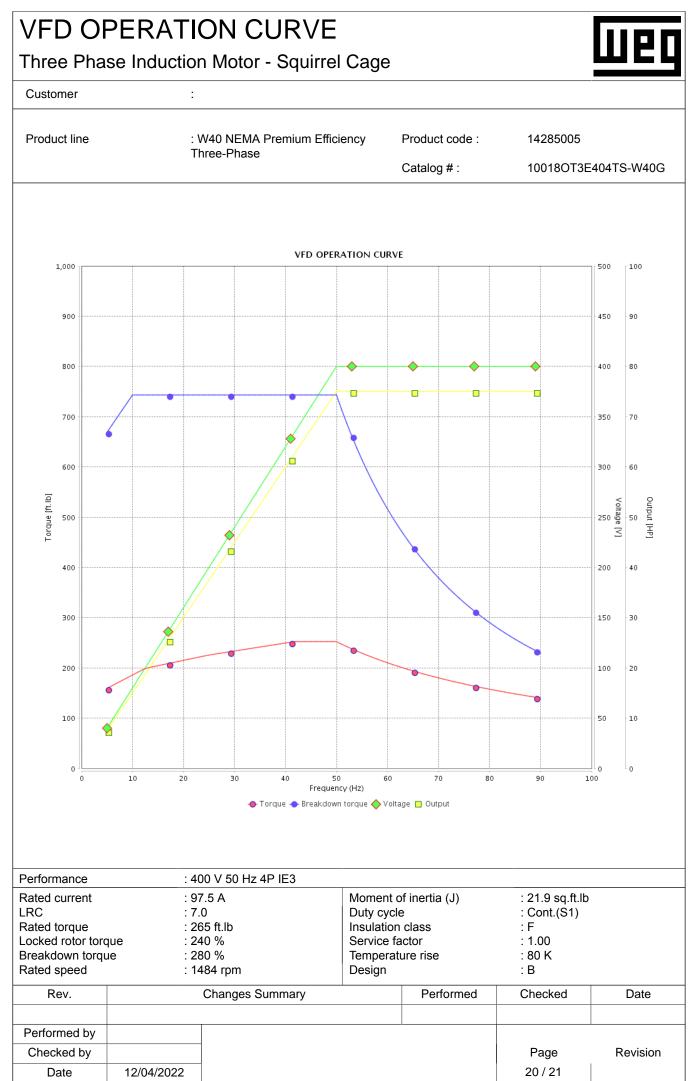
Customer

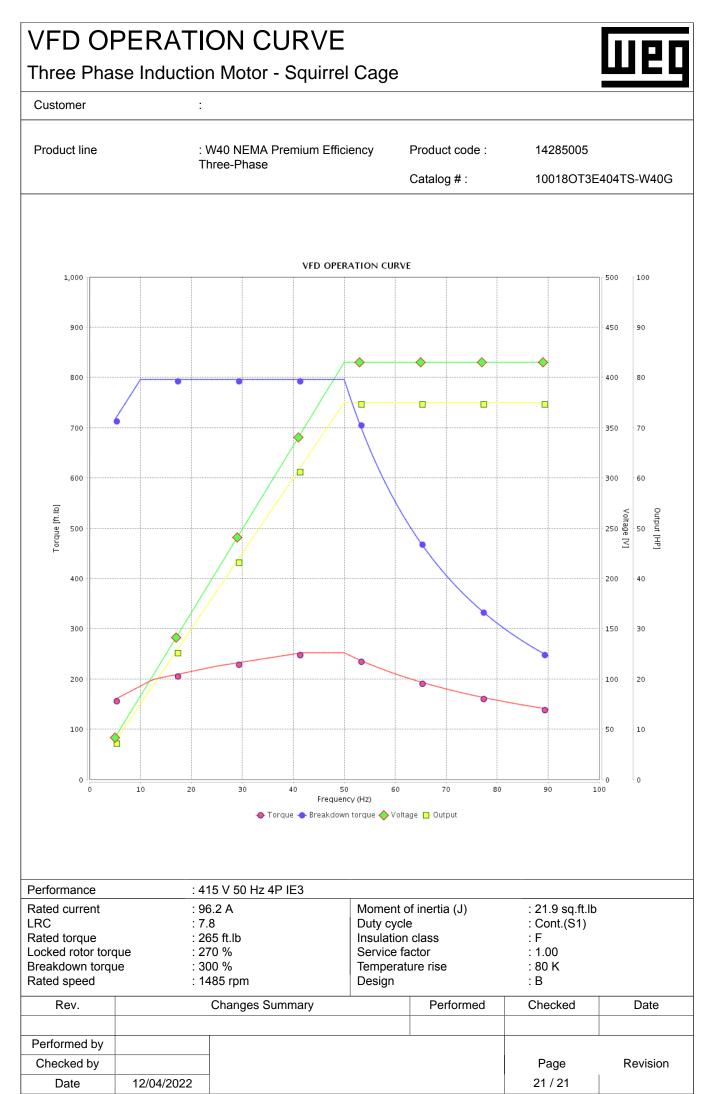
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14285005	14285005		
	11			Catalog # :	10018OT3E4	404TS-W40G		
Performance	: 41	15 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 26 que : 27 Je : 30	6.2 A 8 65 ft.lb 70 % 00 % 485 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 21.9 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constan	t							
Cooling constant								
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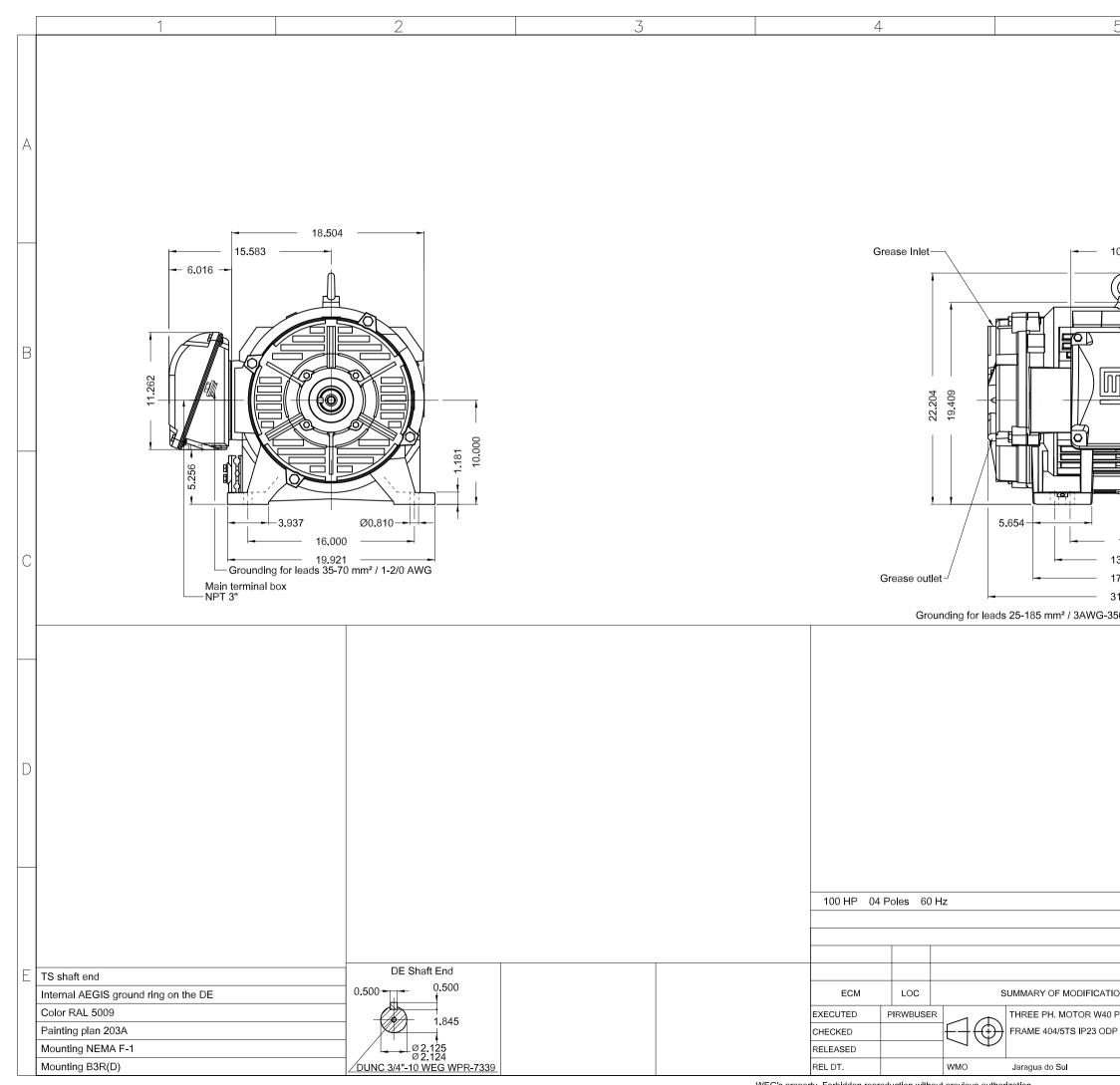












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