DATA SHEET

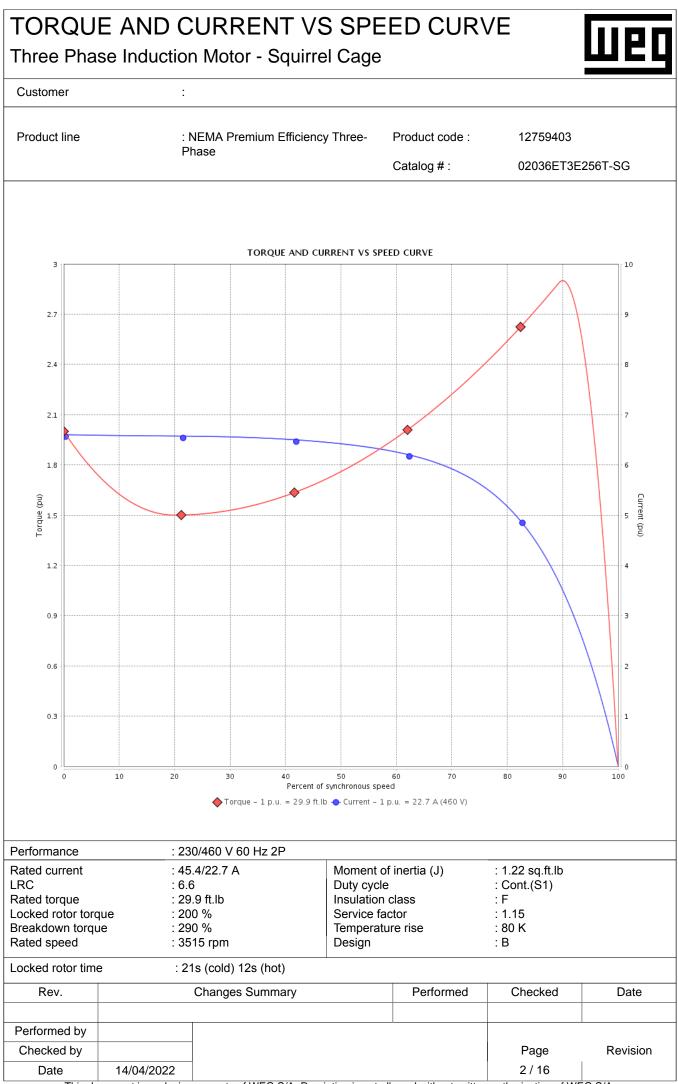
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency T Phase	hree- Product code :	12759403			
			Catalog # :	02036ET3E256T-SG			
Frame Insulation class Duty cycle Ambient tempera Altitude		: 254/6T : 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)	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 221 lb : 1 22 or ft lb			
Protection degre Design	e	: B	Moment of Inertia (J)	: 1.22 sq.ft.lb			
Output [HP] Poles		20	15	15			
		60	50	50			
Frequency [Hz] Rated voltage [V]		230/460	190/380	220/415			
		45.4/22.7	40.8/20.4	36.8/19.5			
Rated current [A]							
L. R. Amperes [A]		300/150	302/151	298/158			
LRC [A]	,	6.6x(Code G)	7.4x(Code H)	8.1x(Code J)			
No load current [A		13.8/6.88	13.6/6.79	13.7/7.26			
Rated speed [RPN	Лј	3515	2925	2935			
Slip [%]		2.36	2.50	2.17			
Rated torque [ft.lb		29.9	26.9	26.8			
Locked rotor torqu		200	210	240			
Breakdown torque	· [<mark>%]</mark>	290	310	340			
Service factor		1.15	1.00	1.00			
Temperature rise		80 K	105 K	80 K			
Locked rotor time		21s (cold) 12s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)			
Noise level ²		75.0 dB(A)	72.0 dB(A)	72.0 dB(A)			
-	25%	89.7	91.9	91.8			
	50%	90.0	91.6	91.5			
Efficiency (%)	75%	91.0	91.7	92.0			
	100%	91.0	91.2	91.4			
	25%	0.55	0.52	0.48			
Power Factor	50%	0.81	0.79	0.75			
	75%	0.88	0.87	0.85			
	100%	0.91	0.90	0.89			
Bearing type		Drive endNon drive end:6309 Z C36208 Z C3	Foundation loads Max. traction	: 327 lb			
Sealing Lubrication interv Lubricant amoun Lubricant type		 V'Ring Without Bearing Seal 15797 h 20000 h 13 g 8 g Mobil Polyrex EM 	Max. compression	: 548 lb			
Notes USABLE @208V	50.2A SF 1.	00 SFA 50.2A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, which e shaft end. colerance of +3dB(A). ct to changes after		based on tests with sinusoidal tolerances stipulated in NEMA			
(4) At 100% of ful							
manufacturing pro		Changes Summary	Performed	Checked Date			
manufacturing pro (4) At 100% of ful		Changes Summary	Performed	Checked Date			
manufacturing pro (4) At 100% of ful Rev.	14/04/202		Performed	Checked Date Page Revision 1 / 16			



TORQUE AND CURRENT VS SPEED CURVE

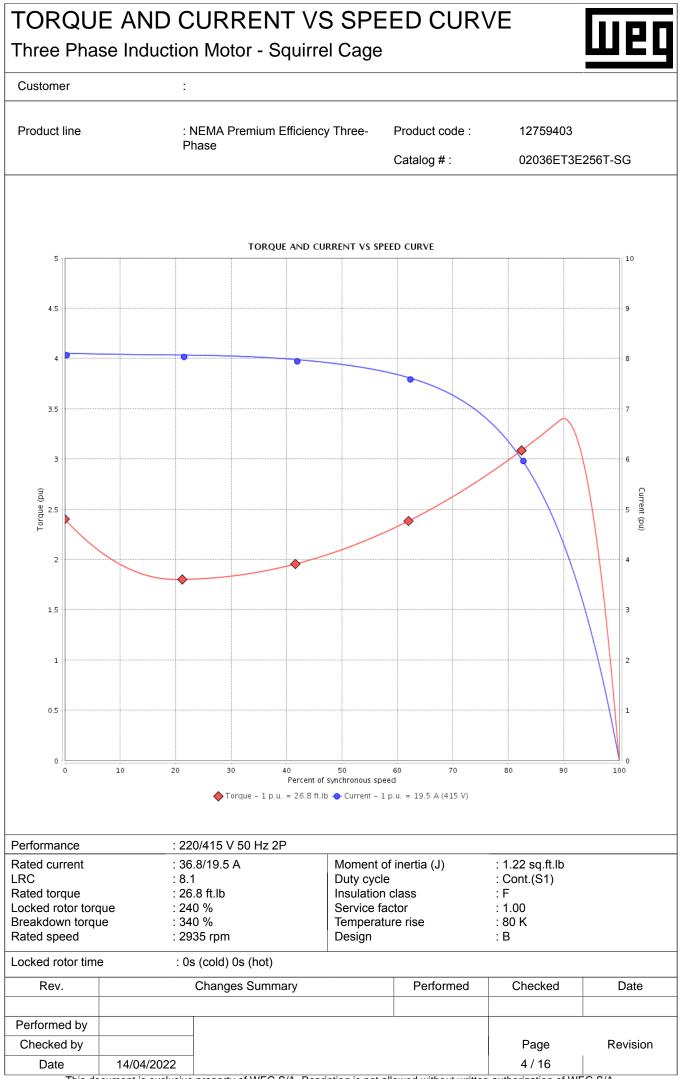
Three Phase Induction Motor - Squirrel Cage

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Customer

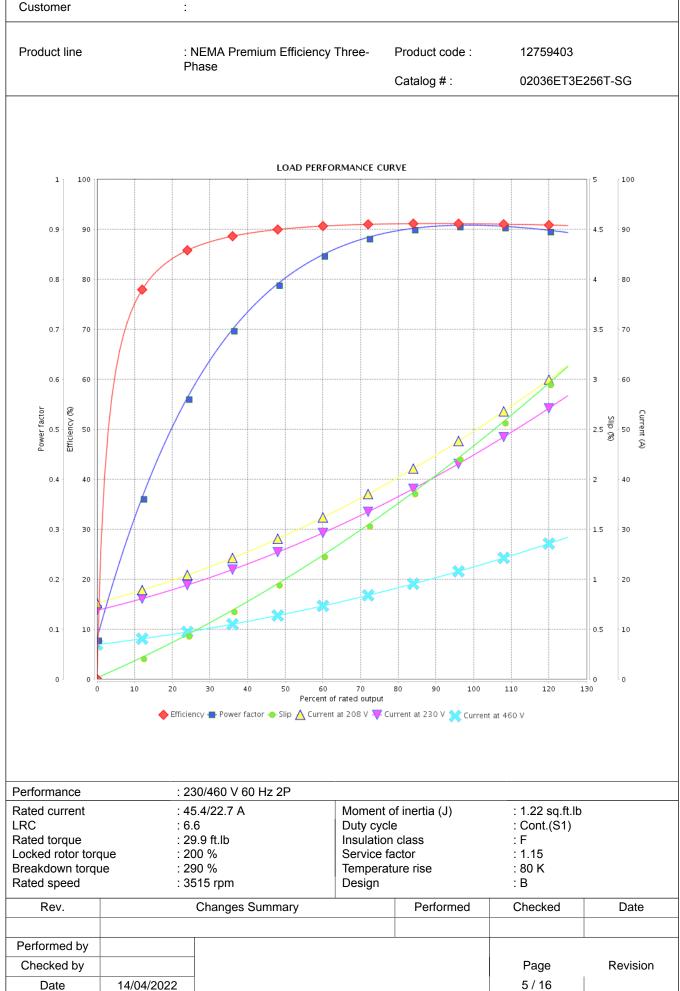
Product line	: NE Pha	EMA Premium Efficiency Three	ee- Product coo	le : 12759403	
	FIId		Catalog # :	02036ET3	E256T-SG
		TORQUE AND CURRENT	VS SPEED CURVE		
5					10
4.5					9
4					8
3.5		•			7
3					6
(nd				×	E E
(nd) 97 2.5 0 H					Current (pu)
					Ŭ
2					4
1.5					3
1					2
0.5					1
0] <u> </u>	10 20	30 40 50 Percent of synchro	60 70	0 80 90	100
		◆ Torque - 1 p.u. = 26.9 ft.lb ◆ Cu		0 V)	
	100				
erformance ated current		380 V 50 Hz 2P /20.4 A Mor	ment of inertia (J)	: 1.22 sq.ft.lb	
RC ated torque	: 7.4 : 26.9	Dut	y cycle ulation class	: Cont.(S1) : F	
ocked rotor torque		% Ser	vice factor perature rise	: 1.00 : 105 K	
ated speed	: 292			: B	
ocked rotor time		cold) 0s (hot)	1		
Rev.	C	hanges Summary	Perform	ed Checked	Date
Performed by					
				Page	Revision



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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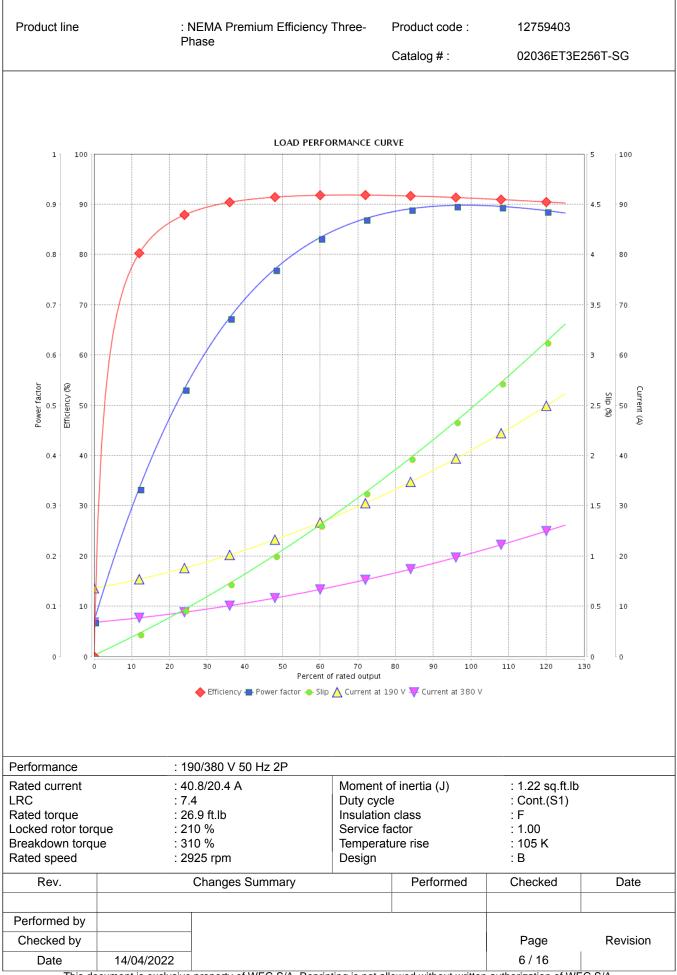
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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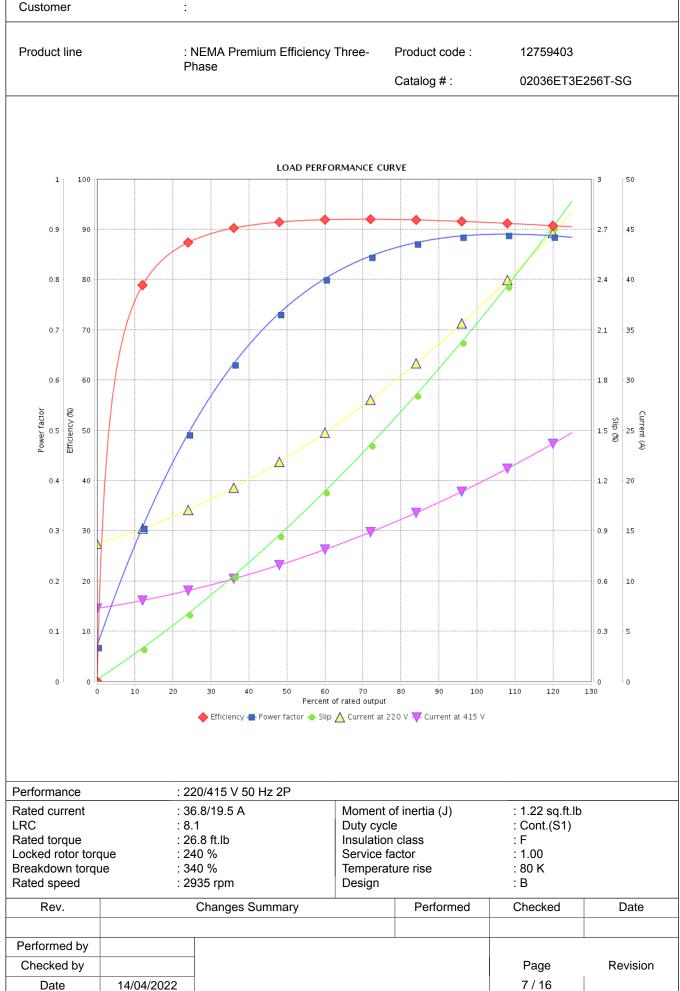
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

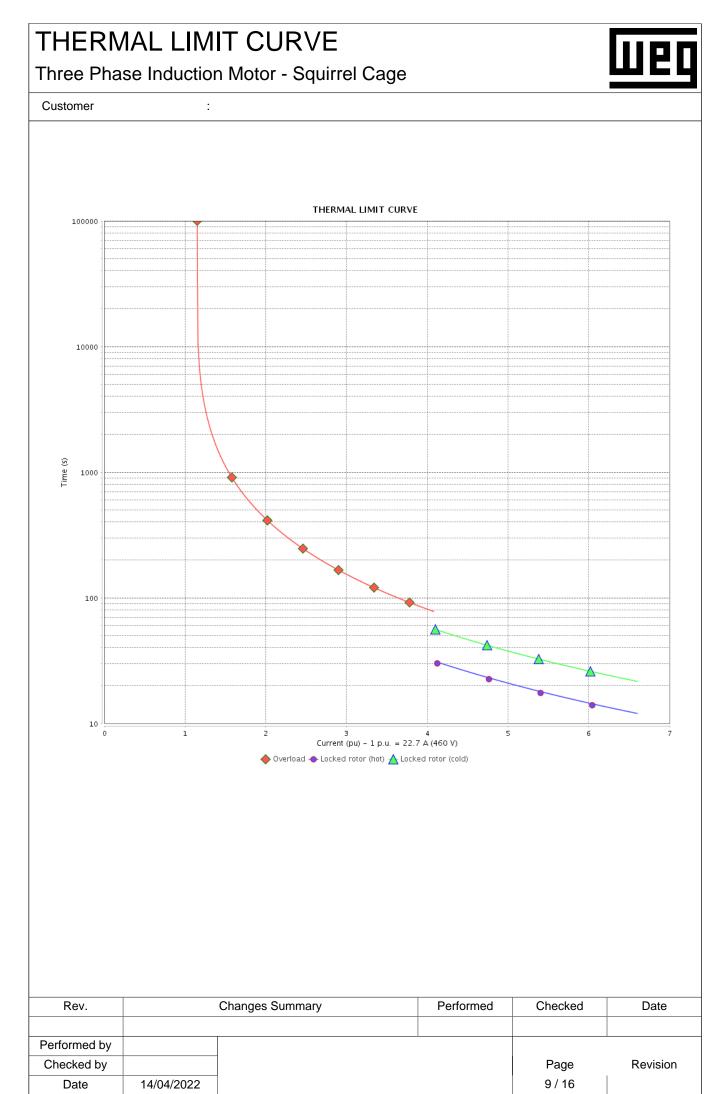
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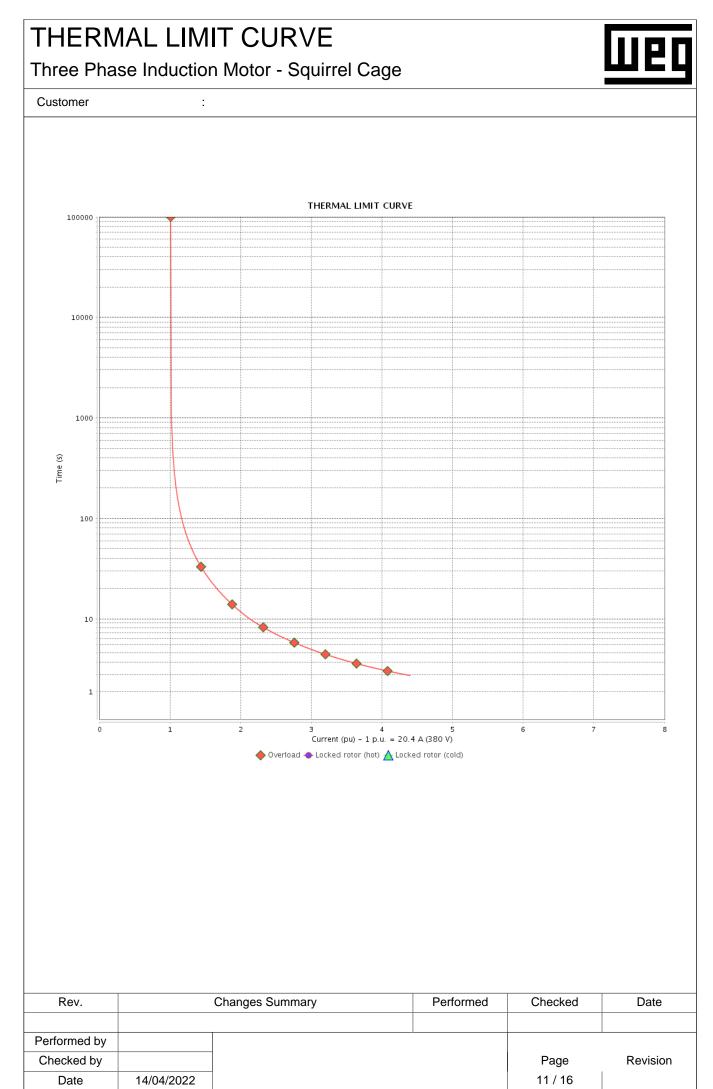
	LIMIT CURVE		Ше
Customer	nduction Motor - Squirrel Cage	9	
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12759403 02036ET3E256T-SG
erformance	: 230/460 V 60 Hz 2P		. 1.00 ag ft lb

Performance	. 23	30/460 V 60 HZ ZP						
Rated current: 45.4/22.7 ALRC: 6.6Rated torque: 29.9 ft.lbLocked rotor torque: 200 %Breakdown torque: 290 %Rated speed: 3515 rpm			Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 1.22 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
Heating constant	t							
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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Checked by					Page	Revision		
Date	14/04/2022				8 / 16			



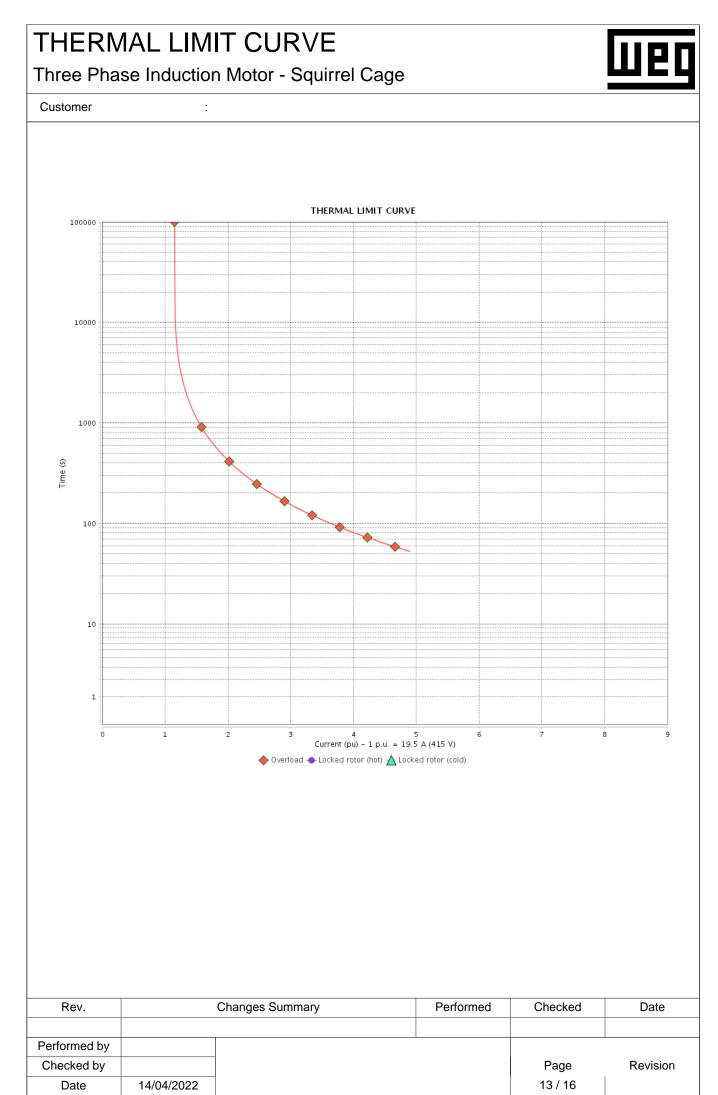
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12759403 02036ET3E256T-SG

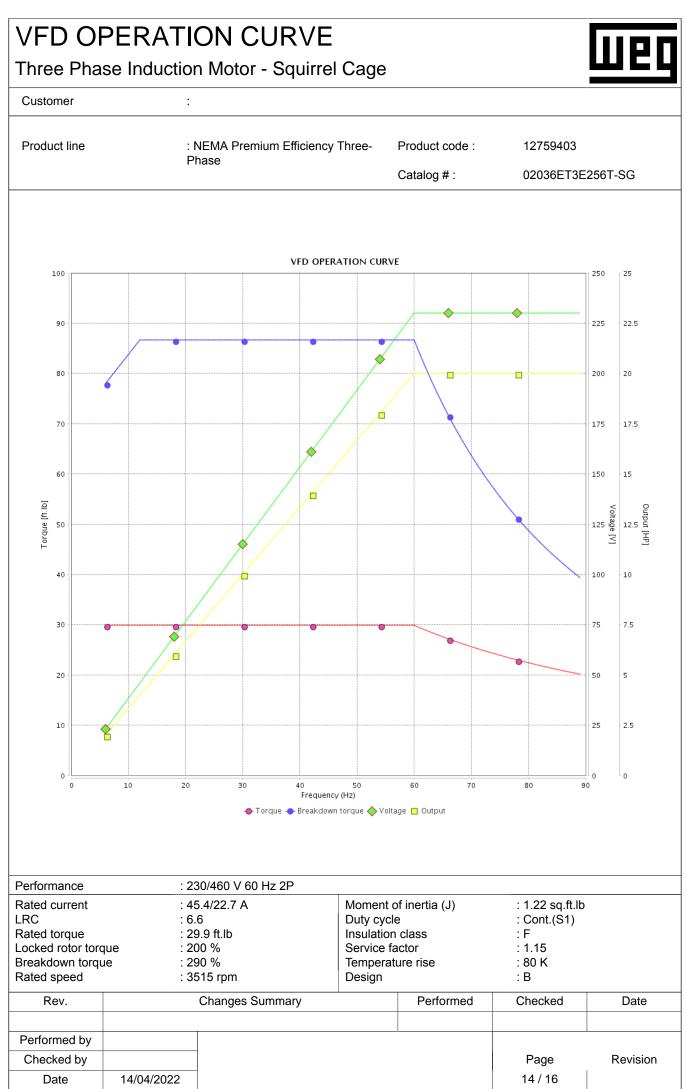
Performance	: 1	90/380 V 50 Hz 2P							
Rated current	: 4	0.8/20.4 A	Moment o	f inertia (J)	: 1.22 sq.ft.lb				
LRC	: 7	'.4	Duty cycle	;	: Cont.(S1)				
Rated torque	: 2	.6.9 ft.lb	Insulation	class	: F				
Locked rotor tor	que : 2	210 %	Service fa	ctor	: 1.00				
Breakdown torqu	.e :3	310 %	Temperatu	ure rise	: 105 K				
Rated speed	: 2	925 rpm	Design : B						
Heating constant									
Cooling constant	t								
Rev.		Changes Summary		Performed	Checked	Date			
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Date	14/04/2022				10 / 16				



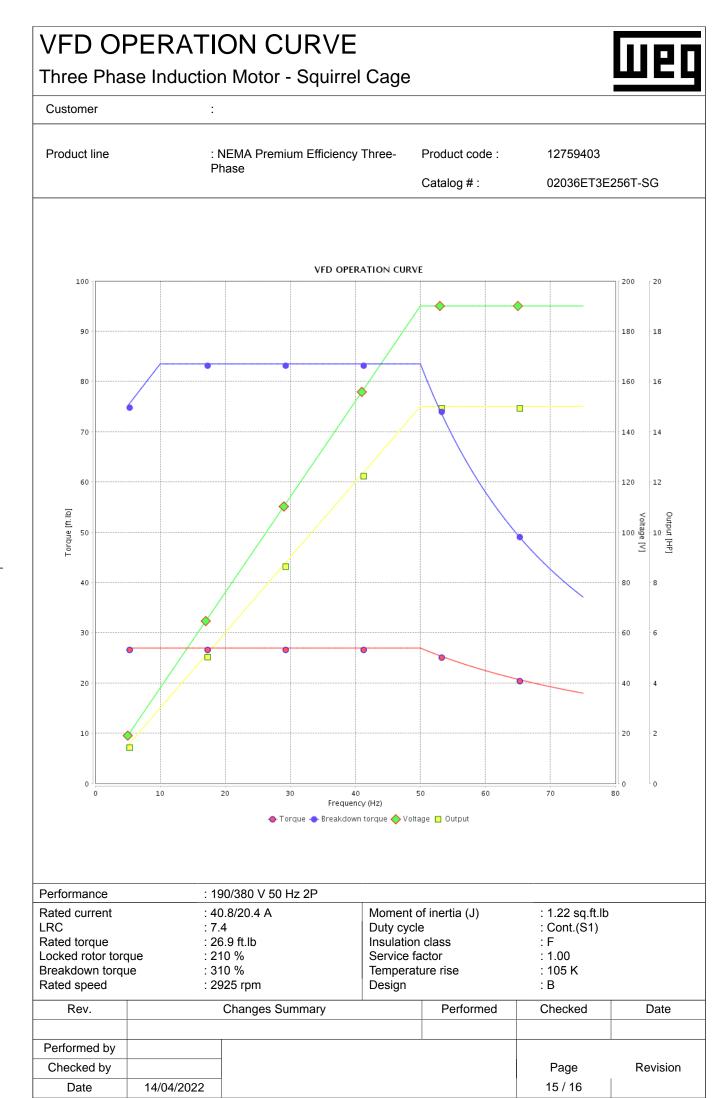
THEDNAL			
	LIMIT CURVE duction Motor - Squirrel Cage	2	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three-	Product code :	12759403
	Phase	Catalog # :	02036ET3E256T-SG
Performance	: 220/415 V 50 Hz 2P		

1 enormance	. 24	20/413 V 30112 21						
Rated current: 36.8/19.5 ALRC: 8.1Rated torque: 26.8 ft.lbLocked rotor torque: 240 %Breakdown torque: 340 %Rated speed: 2935 rpm			Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.22 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
Cooling constant	:							
Rev.		Changes Summary		Performed	Checked	Date		
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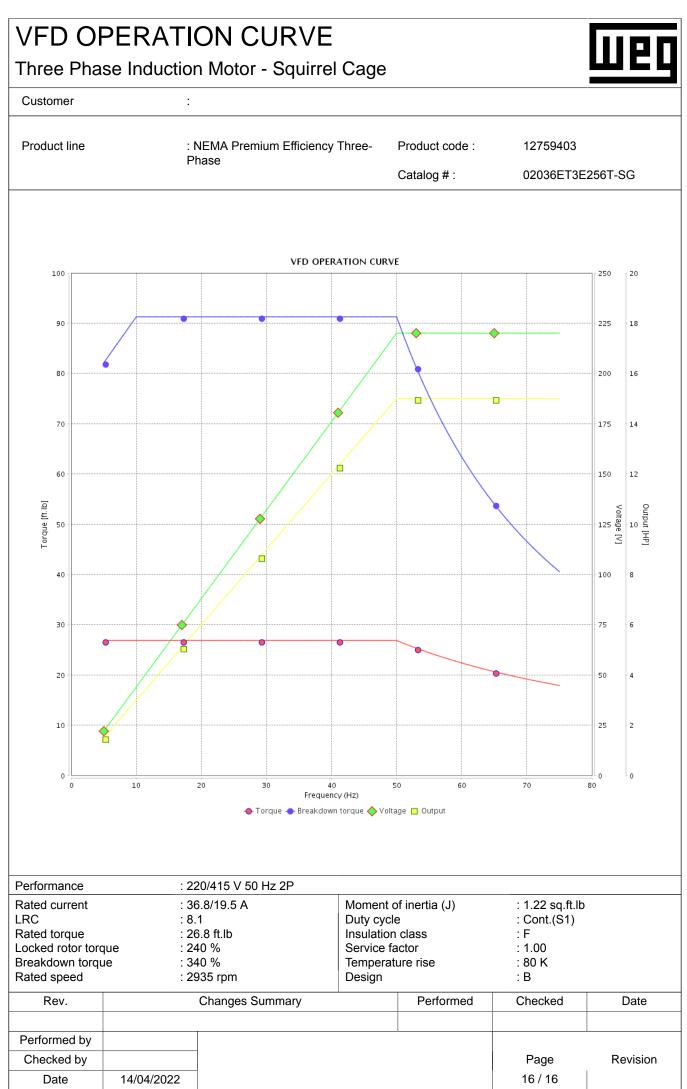




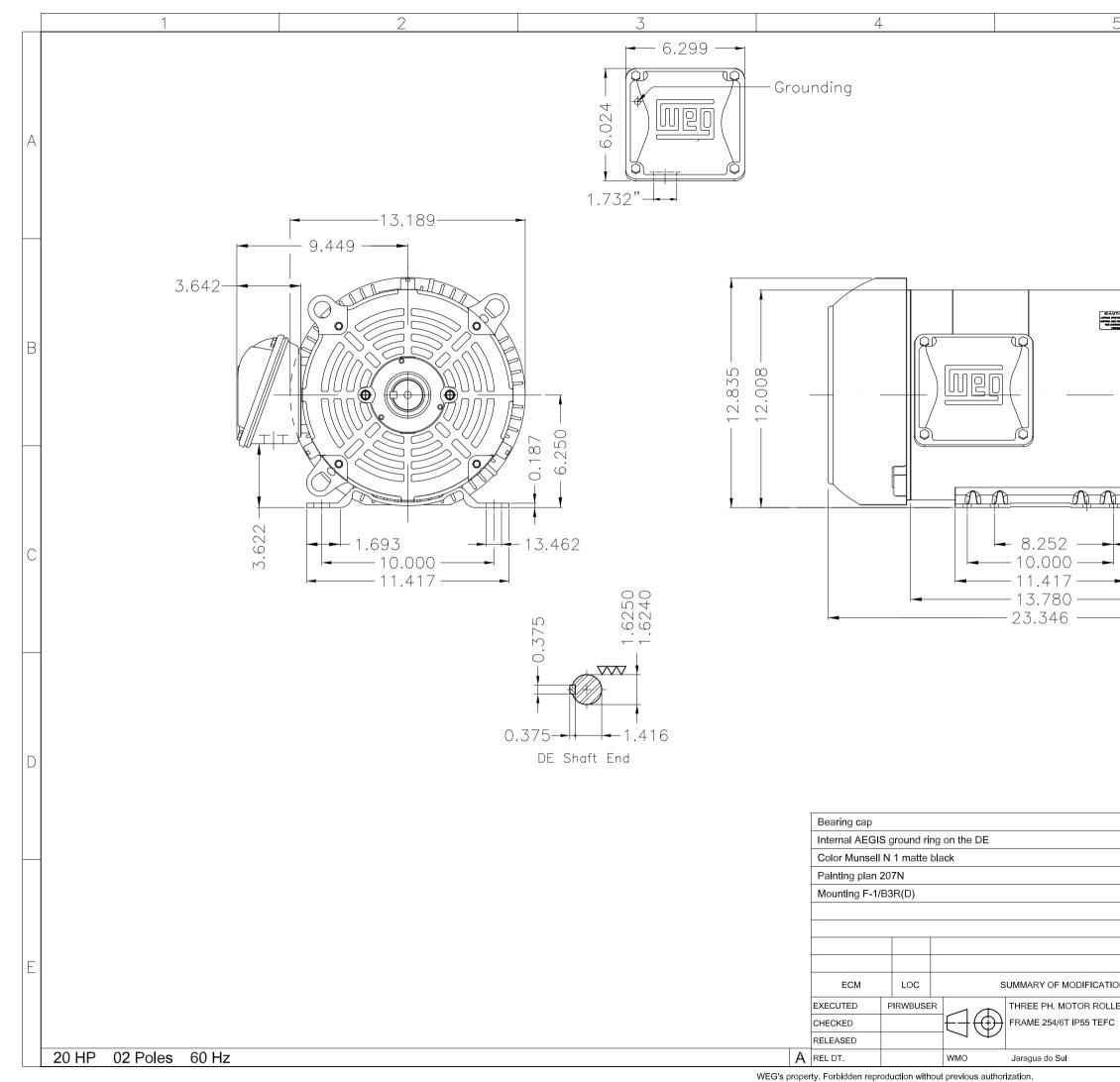
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					Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL PREM. E C	аг. 	PREV	EW	IIP	A3
		WDD		шС	
Produc	t Engineering	SHEET	1 / 1		XME

COLUSTED COLUSTED COLUSTED COLUSTICATION OF THE	CE		HP 20		••			SF 1.15 Br 2.01		NEM 5315 Nem EF 91.0%	190-220/380-415V	2925RPM EFF 91.2% (IE3) IEC 60034-1	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 10:1 CT	MOBIL POLYREX EM 15797h	€T10€T11 0T12 T1-BLU T2-WHT	T3-ORG	LIST LIST LIST LIST LIST	T7 0 T8 0 T9	Ta Ta Ta Clibby		S TO REVERSE THE ROTATION	NING. Morer must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.	AVERTISSEMENT: Le moteur doit être mis à la terre des électriques locaux en traßonaux and drivière tout commenden l'alimentation scaret l'entreden de la macinho	DIGUOU SYSTEL ANIMARANI NA 14 INAVILLA.
LIED REMIUM	MADE IN MÉXICO MAT: 12759403 CC029A W01.TE0IC0X0N MODEL 02036ET3E256T-SG	08FEB2022 S/N:	PH 3 Hz 60	FR 254/6T	DUTY CONT.	ALT 1000 m.a.s.l	INS CL F AT 80K IP55	AMB 40°C DES B	ENCL TEFC CODE G	USABLE @ 208V 50.2A N	NATE RATING: 15HP 5	40.8-35.8/20.4-19.0A 292	Inverter duty motor For 80	DE 6309-Z-C3 ODE 6208-Z-C3	€ T10 ⊕ T11 ⊕ T12	AT ATE ATE			T1 AT2 AT3	– 🗉		WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.	APENTISSEMENT. Le moteur doit être mis à la terre conformément aux codes détendiques lo cauxis transforaux ann de Verter rout construction rerue. Déconnances l'alimentation avait l'aménética de la macvita	GDDC Electrique grave, Leconinavez : annier