# DATA SHEET

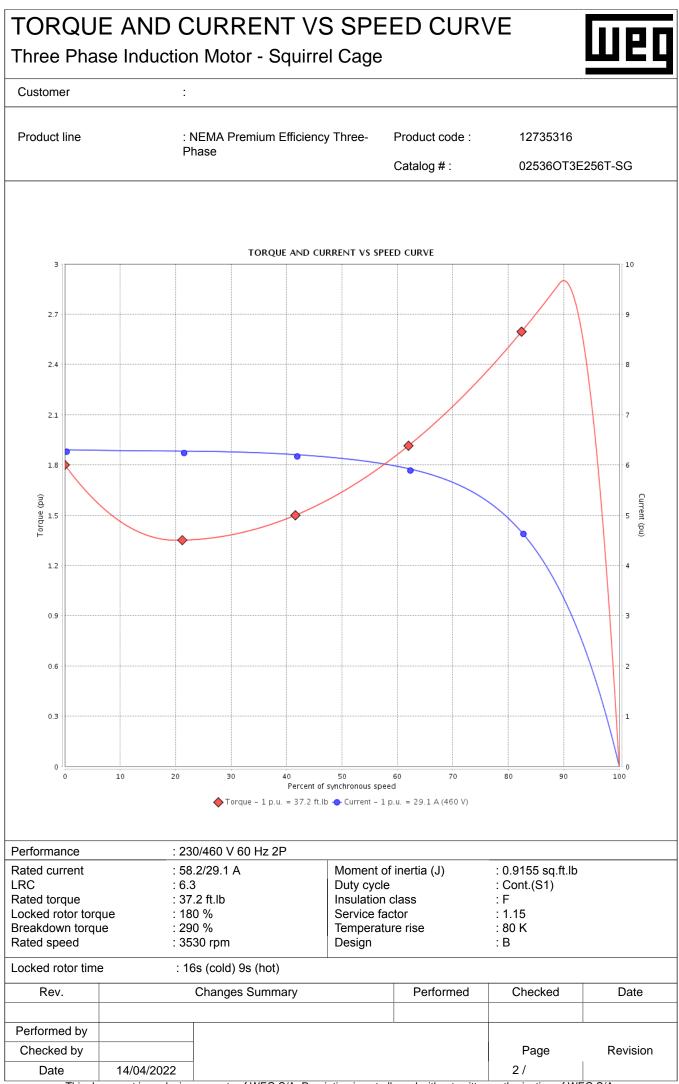
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEMA Premium Efficiency T Phase	hree- Product code	12735316
		1 Hase	Catalog # :	02536OT3E256T-SG
Frame Insulation class Duty cycle Ambient temperature Altitude Design		: 254/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : 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 : 181 lb : 0.9155 sq.ft.lb
•			. ,	· · · · · · · · · · · · · · · · · · ·
Output [HP] Poles		25	25	25
Frequency [Hz]		60	2 50	2 50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		58.2/29.1	70.6/35.3	64.1/34.0
. R. Amperes [A]		367/183	374/187	378/201
_RC [A]		6.3x(Code G)	5.3x(Code E)	5.9x(Code F)
No load current [A	1	22.8/11.4	22.3/11.2	24.0/12.7
Rated speed [RPN		3530	22.3/11.2	2910
Slip [%]		1.94	3.17	3.00
Rated torque [ft.lb]		37.2	45.2	45.1
Locked rotor torqu		180	150	170
Breakdown torque		290	220	240
Service factor	[,,]	1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		16s (cold) 9s (hot)	Os (cold) Os (ho	
Noise level <sup>2</sup>		70.0 dB(A)	68.0 dB(A)	68.0 dB(A)
	25%	90.8	92.6	91.9
	50%	91.0	91.1	90.9
Efficiency (%)	75%	91.7	90.3	90.6
	100%	91.7	88.5	89.3
	25%	0.46	0.53	0.48
<b>-</b> -	50%	0.73	0.80	0.75
Power Factor	75%	0.83	0.87	0.85
	100%	0.87	0.90	0.88
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end 6309 Z C3Non drive end 6208 Z C3WithoutWithoutBearing SealBearing Seal20000 h20000 h13 g8 gMobil Polyrex EM	Foundation loads Max. traction Max. compression	: 429 lb : 610 lb
Notes USABLE @208V	64.3A SF 1.0	00 SFA 64.3A		
must be eliminate (1) Looking the m	d. otor from the m and with t veight subjec ocess.	olerance of +3dB(A).		lues based on tests with sinusoidal to the tolerances stipulated in NEMA
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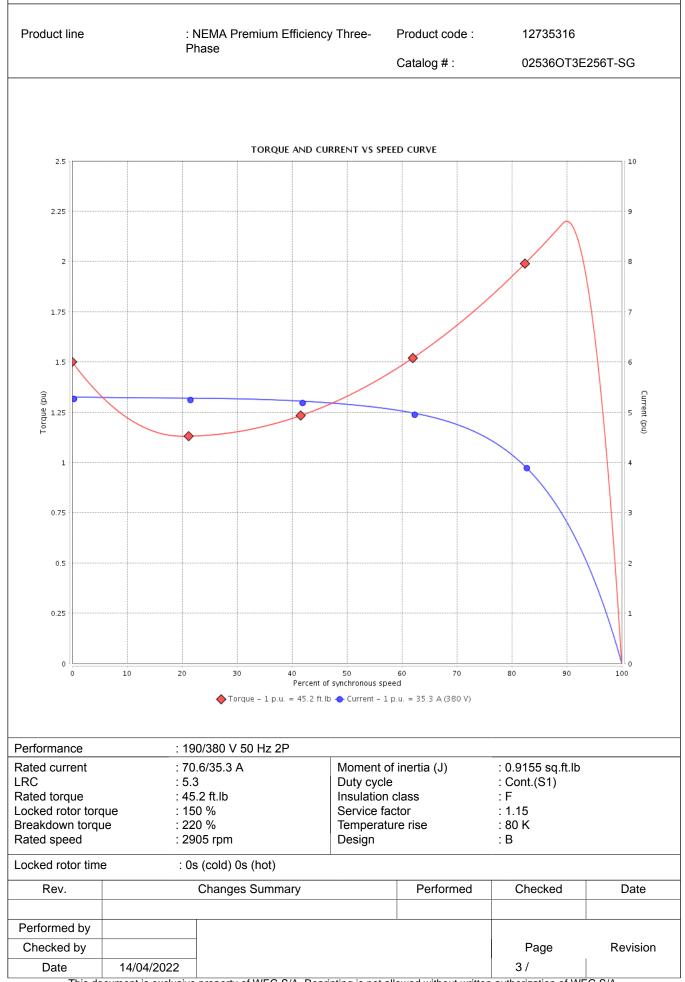
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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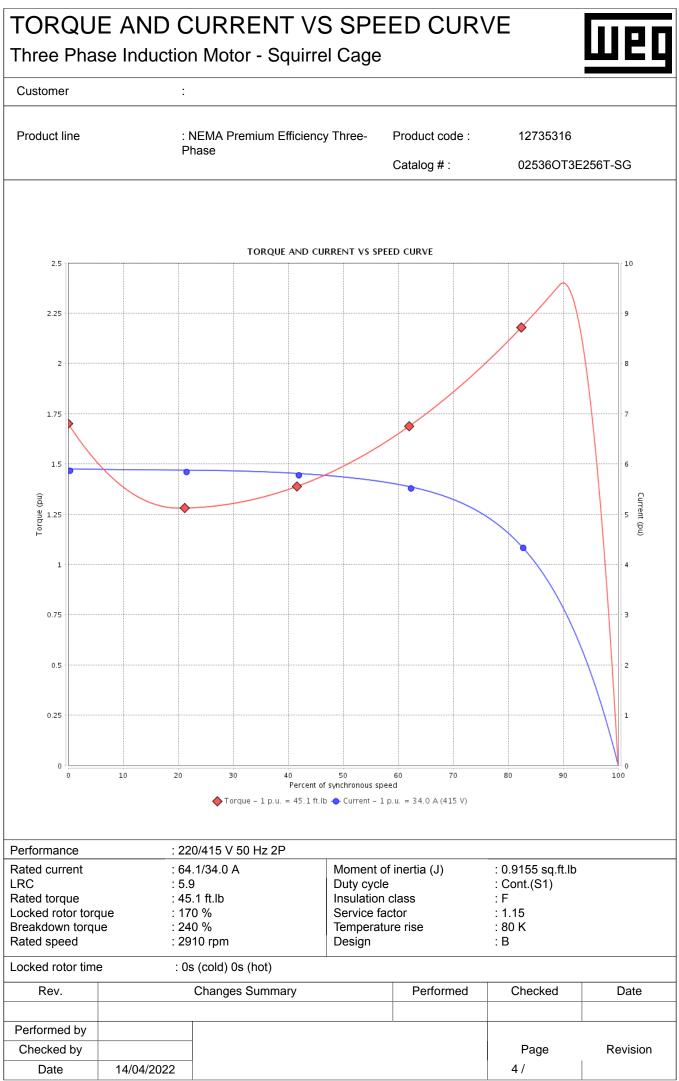






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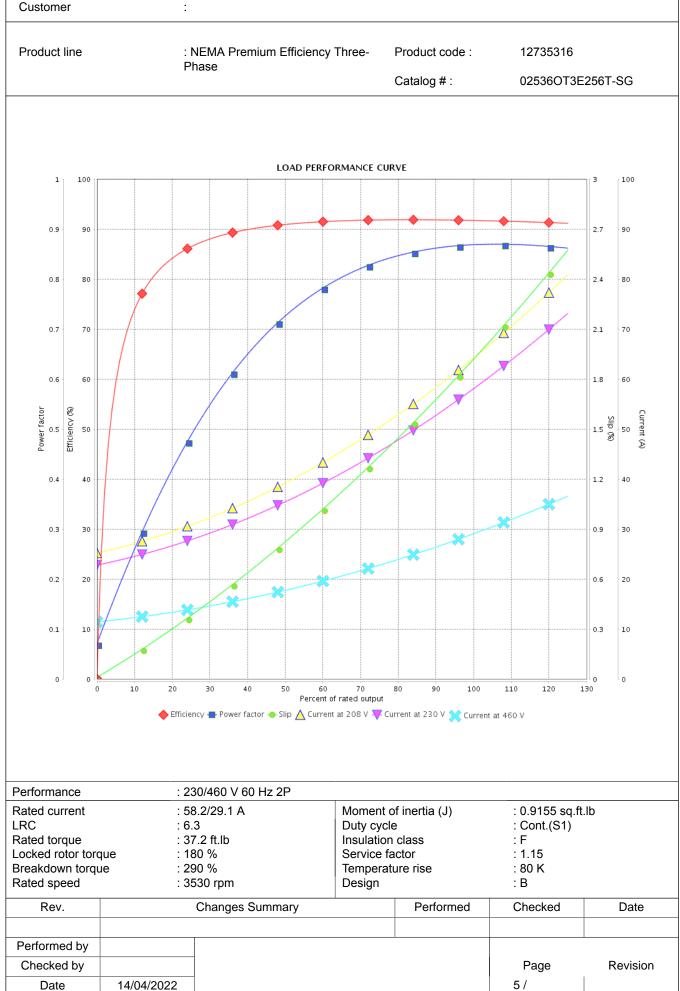
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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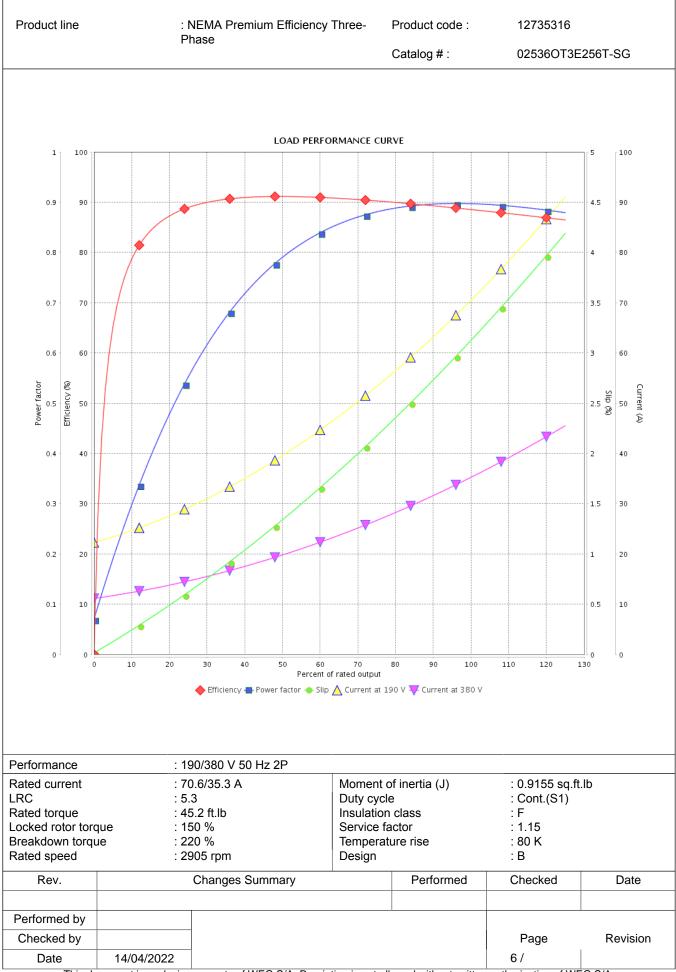
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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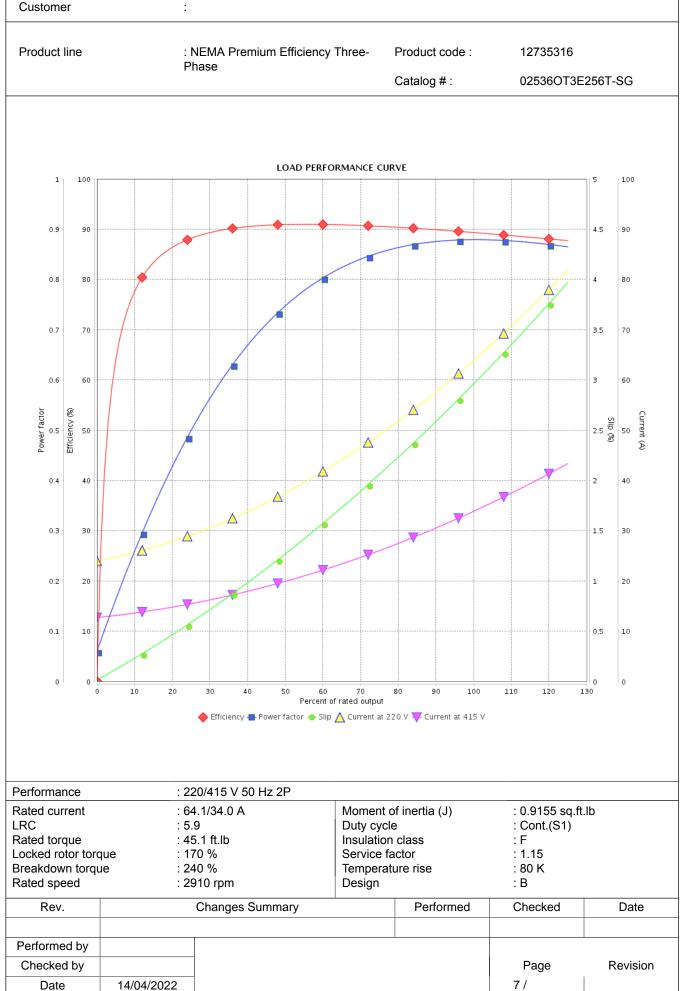
Customer



## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer

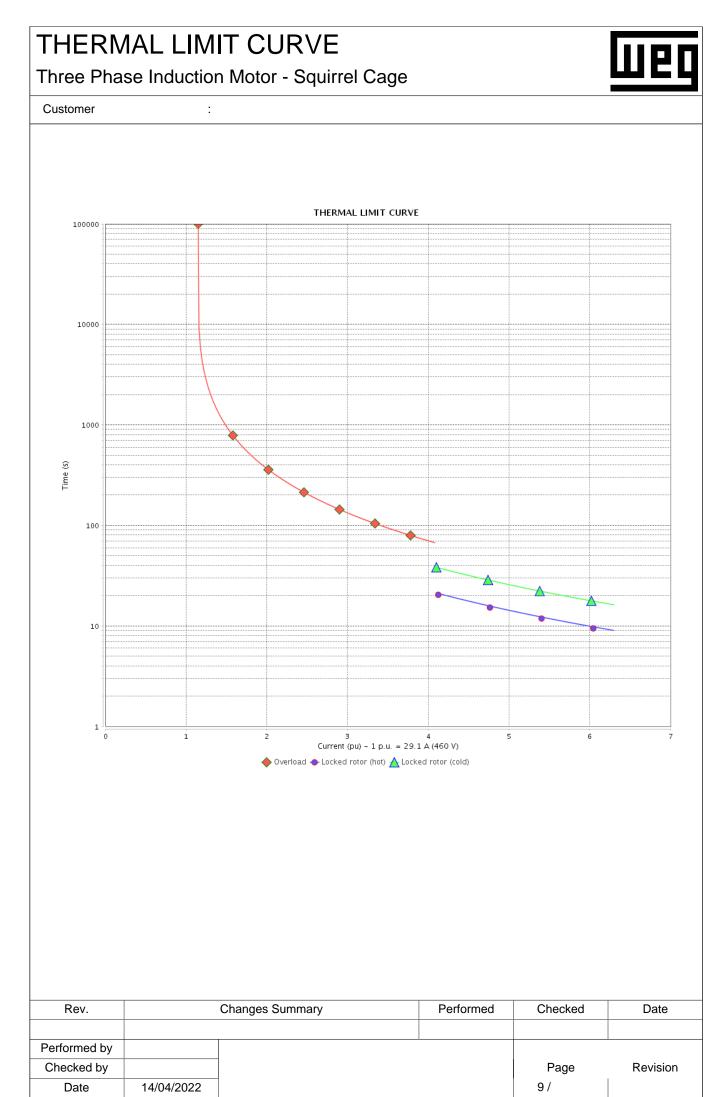


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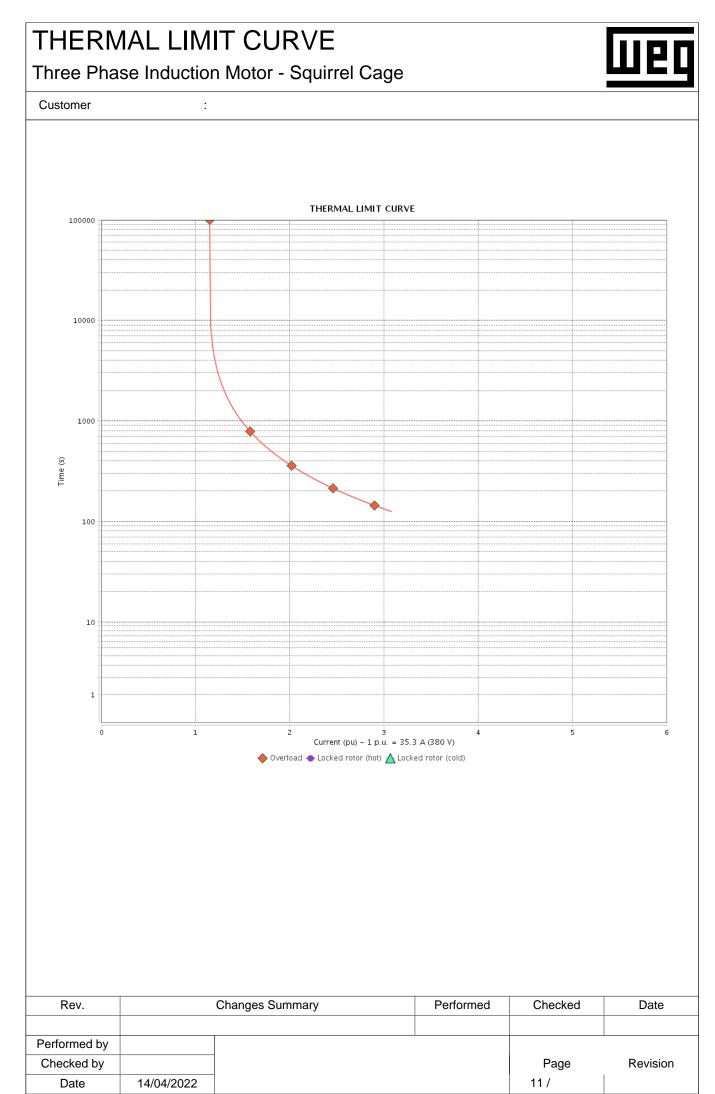
	. LIMIT CURVE	<b>A</b>	Ше
		;	
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12735316 02536OT3E256T-SG

Performance	: 2	30/460 V 60 HZ 2P				
LRC: 6.Rated torque: 37Locked rotor torque: 18Breakdown torque: 29		8.2/29.1 A .3 7.2 ft.lb 80 % 90 % 530 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9155 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
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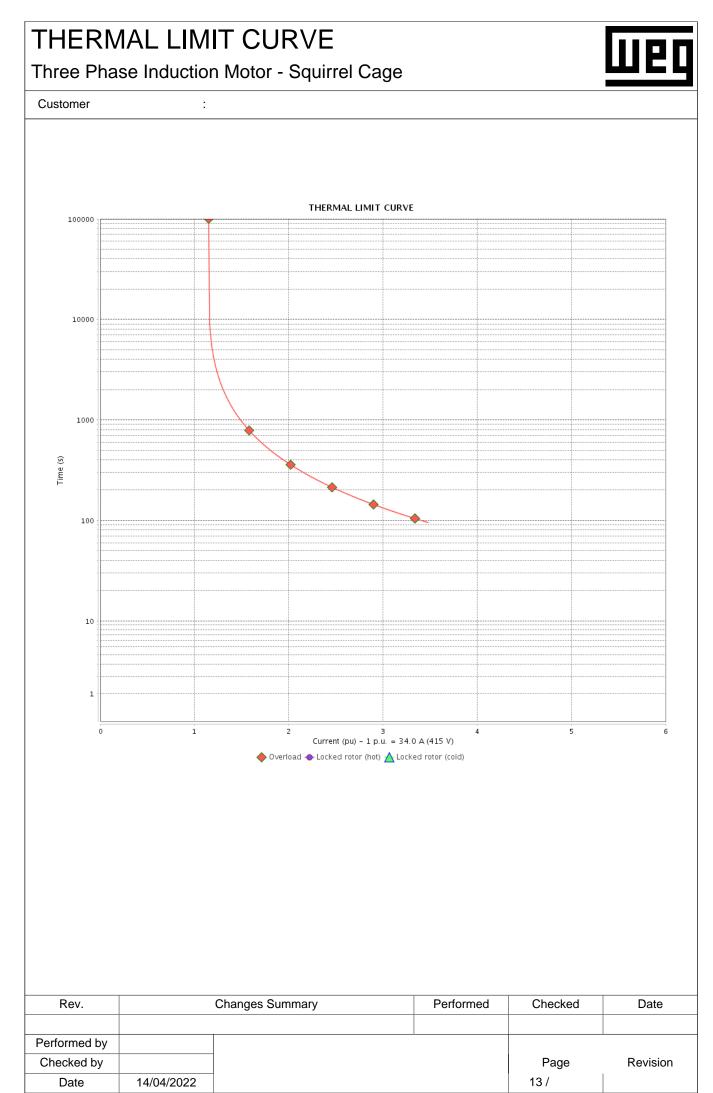
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	FildSC	Catalog # :	02536OT3E256T-SG

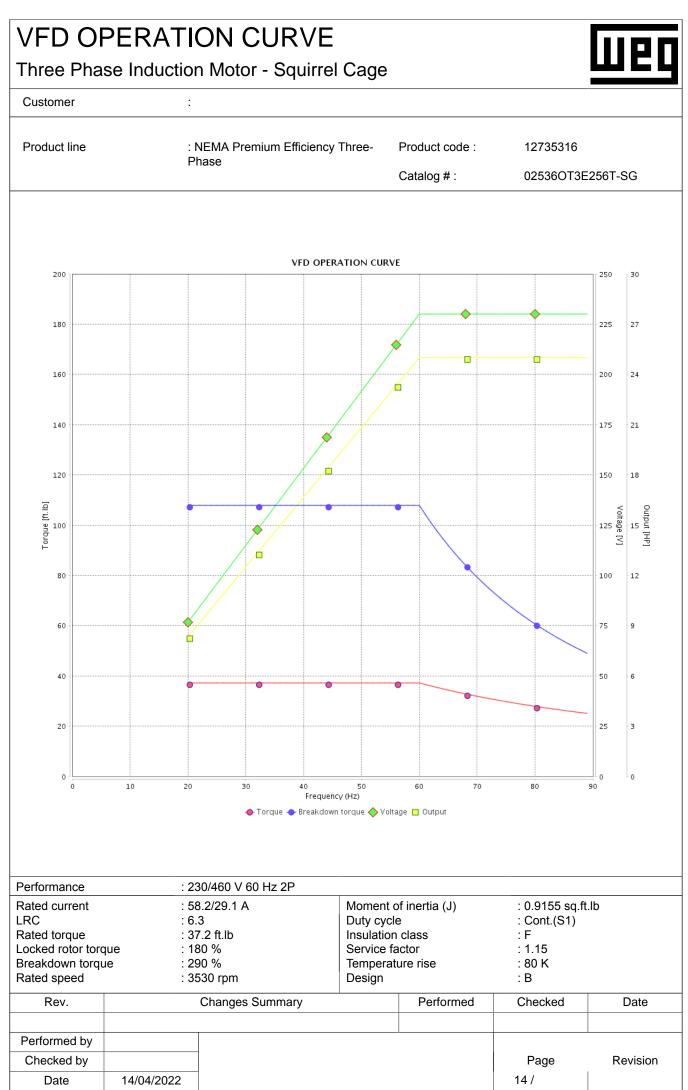
Performance	: 19	90/380 V 50 Hz 2P				
Rated current : 70		0.6/35.3 A	Moment of inertia (J)		: 0.9155 sq.ft.lb	
LRC : 5.3		.3	Duty cycle		: Cont.(S1)	
Rated torque : 45		5.2 ft.lb	Insulation class		: F	
		50 %	Service factor		: 1.15	
		20 %	Temperature rise		: 80 K	
		905 rpm	Design		: B	
Heating constan	t					
Cooling constan	t					
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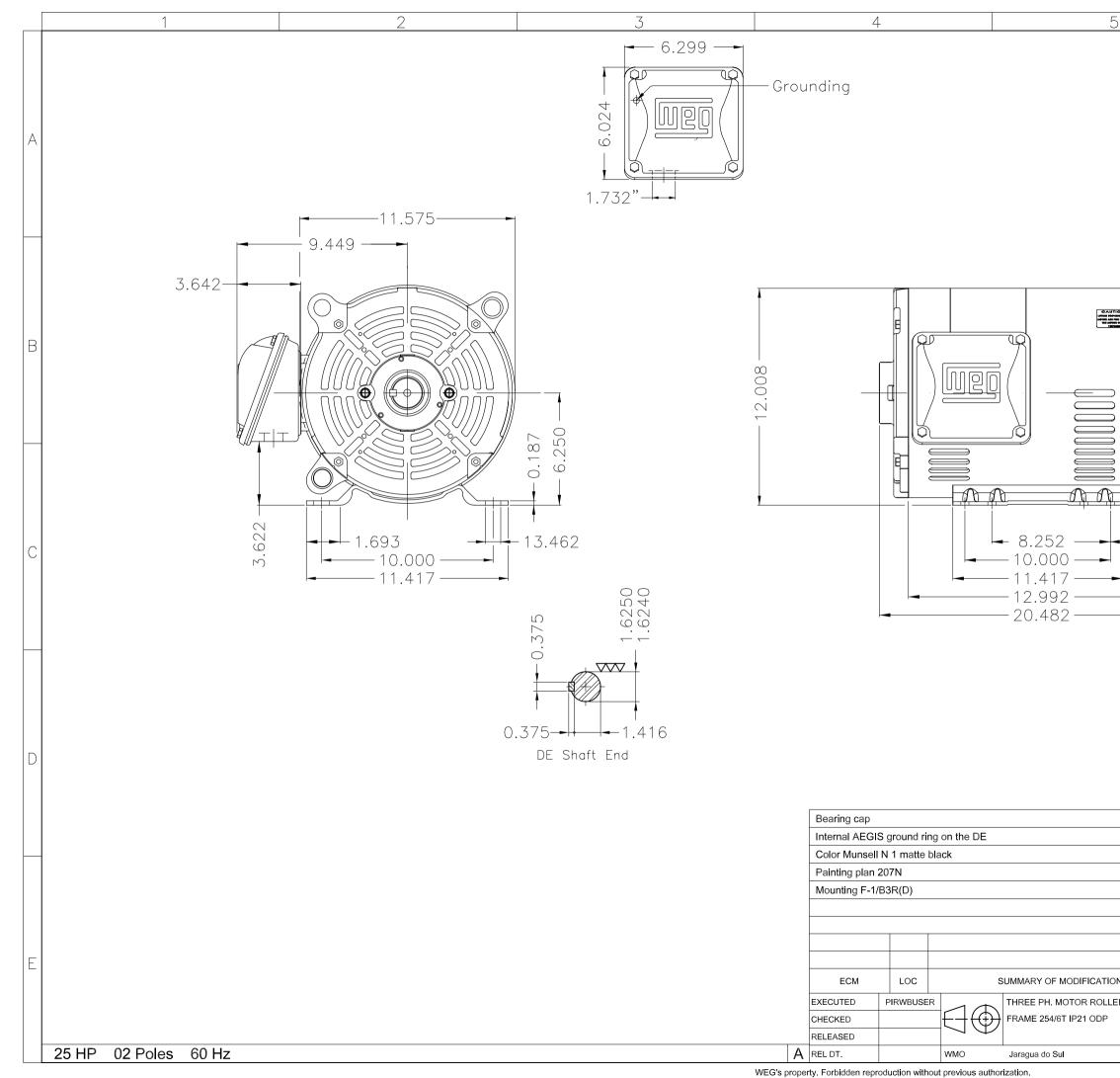


THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage					
	ction Motor - Squirrel Cage				
Customer	:				
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12735316		
		Catalog # :	02536OT3E256T-SG		
Performance	: 220/415 V 50 Hz 2P				

Performance	. Z.	20/415 V 50 HZ 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		4.1/34.0 A .9 5.1 ft.lb 70 % 40 % 910 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9155 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	[					
Cooling constant						
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5	6	7
	4.000	Dimensions in inches
IONS LED STEEL PREM. E		A3   ~
Product	WDD Lul C L   Engineering SHEET 1 / 1	XME

