DATA SHEET

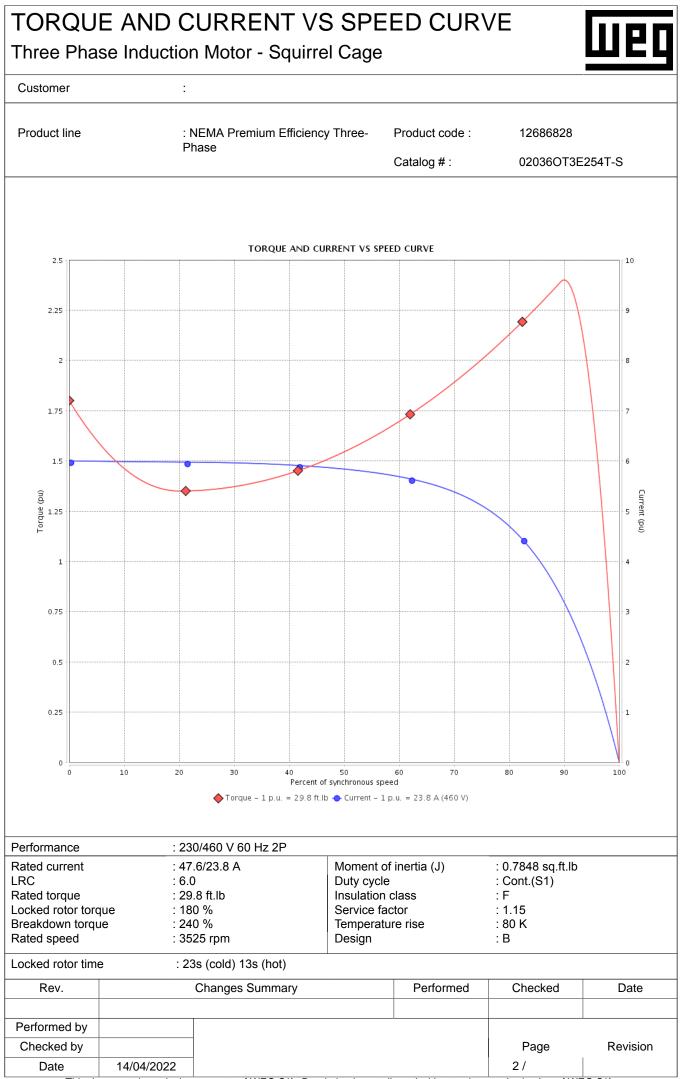
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency T Phase	hree- Product code :	12686828
		1 11036	Catalog # :	02036OT3E254T-S
Frame Insulation class Duty cycle Ambient tempera Altitude	ature	: 254/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 164 lb
Design		: B	Moment of inertia (J)	: 0.7848 sq.ft.lb
Dutput [HP] Poles		20 2	20 2	20
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190-220/380	415
Rated current [A]		47.6/23.8	58.0-50.1/29.0	26.7
. R. Amperes [A]		286/143	261-225/131	144
RC [A]	1	6.0x(Code G)	4.5x(Code D)	5.4x(Code F)
No load current [A		17.0/8.50	16.2-14.0/8.09	9.87
Rated speed [RPN	vij	3525	2895	2910
Slip [%]	,	2.08	3.50	3.00
Rated torque [ft.lb		29.8	36.3	36.1
ocked rotor torqu		180	130	150
Breakdown torque	e [%]	240	190	229
Service factor		1.15	1.00	1.00
Temperature rise		80 K	105 K	80 K
ocked rotor time		23s (cold) 13s (hot)	Os (cold) Os (hot)	Os (cold) Os (hot)
Noise level ²	0=0/	70.0 dB(A)	68.0 dB(A)	68.0 dB(A)
	25%	00.0	00.0	00.5
Efficiency (%)	50%	90.2	90.6	90.5
,	75%	91.0	89.5	90.2
	100%	91.0	87.2	88.8
	25%	0.70	0.00	0.75
Power Factor	50%	0.76	0.82	0.75
	75%	0.83	0.88	0.84
	100%	0.87	0.90	0.88
Bearing type Sealing		Drive end Non drive end : 6309 Z C3 6208 Z C3 : Without Without Bearing Seal Bearing Seal	Foundation loads Max. traction Max. compression	: 316 lb : 480 lb
Lubrication inter- Lubricant amour		: 20000 h 20000 h : 13 g 8 g		
Lubricant type		: Mobil Polyrex EM		
Notes USABLE @208V This revision repl must be eliminate	aces and car	00 SFA 52.6A ncel the previous one, which		s based on tests with sinusoidal he tolerances stipulated in NEMA
(1) Looking the m(2) Measured at 1	notor from the 1m and with t weight subjec ocess.	olerance of +3dB(A). t to changes after	MG-1.	
		Changes Summary	Performed	Checked Date
Rev.				
Rev.				
Rev. Performed by				Page Povinion
Rev.	14/04/202			Page Revision



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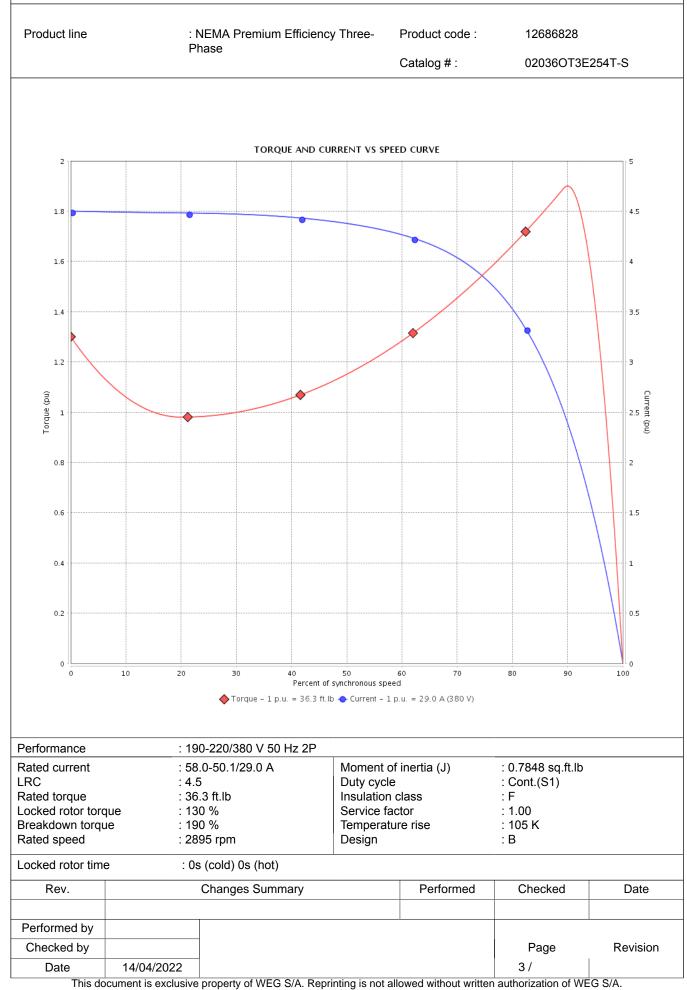
TORQUE AND CURRENT VS SPEED CURVE

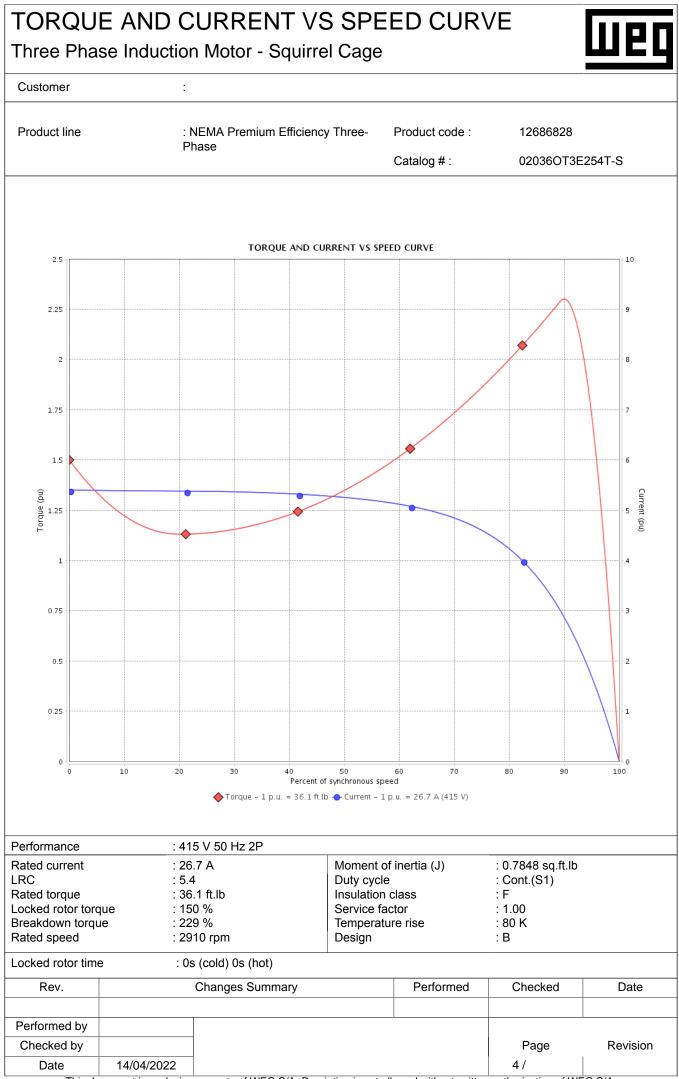
Three Phase Induction Motor - Squirrel Cage

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Customer

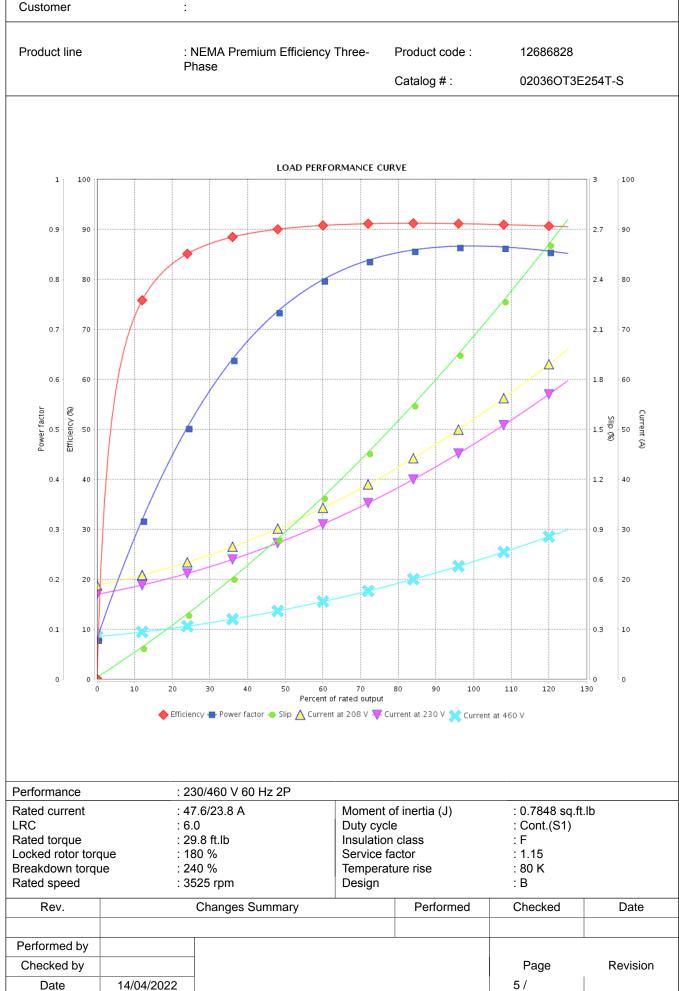




LOAD PERFORMANCE CURVE

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Customer



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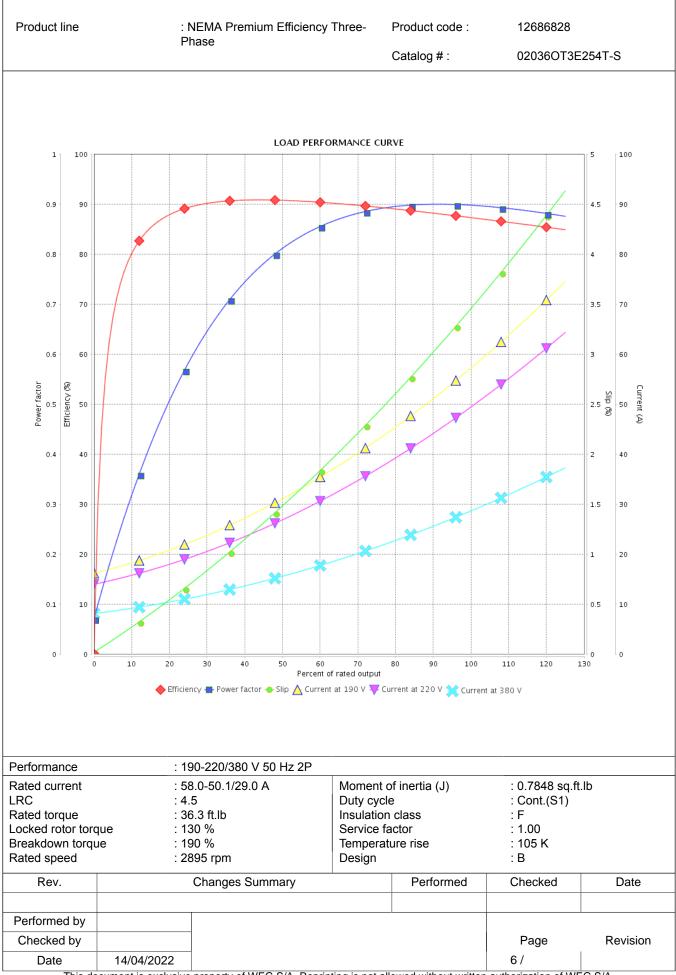
LOAD PERFORMANCE CURVE

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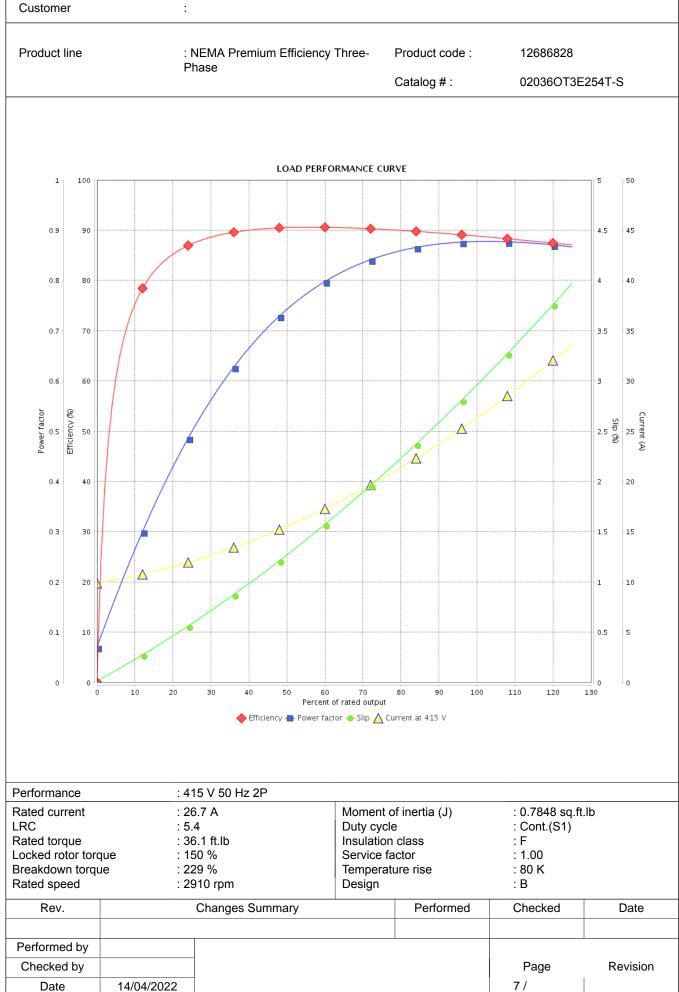
Customer



LOAD PERFORMANCE CURVE

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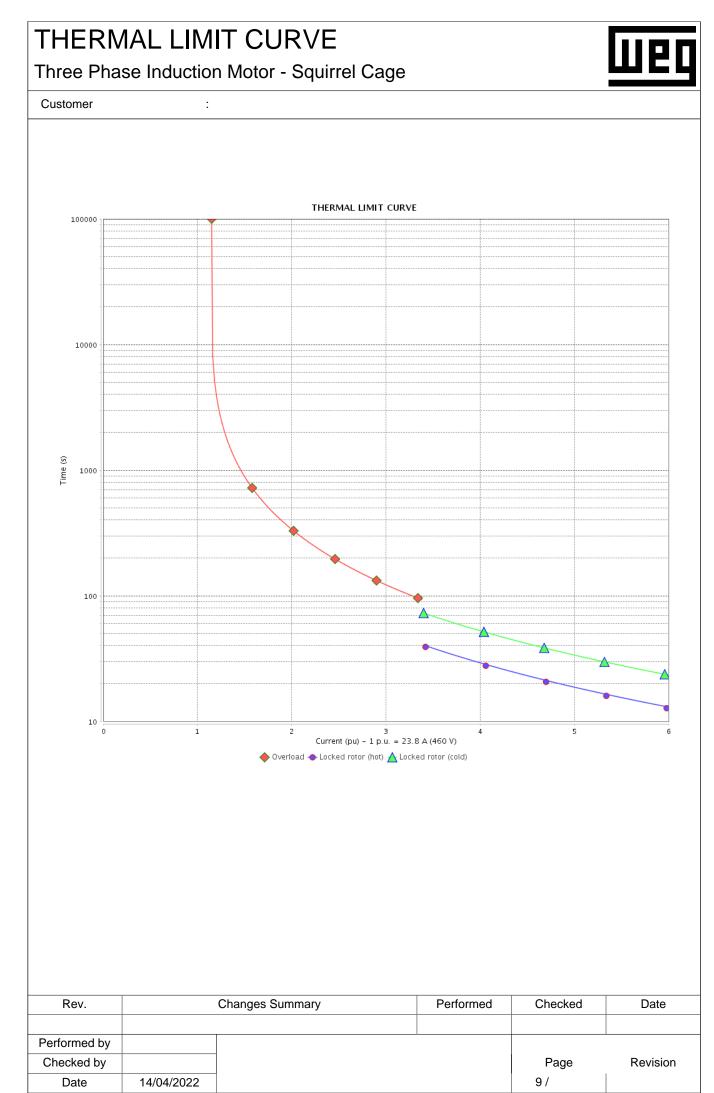
Customer



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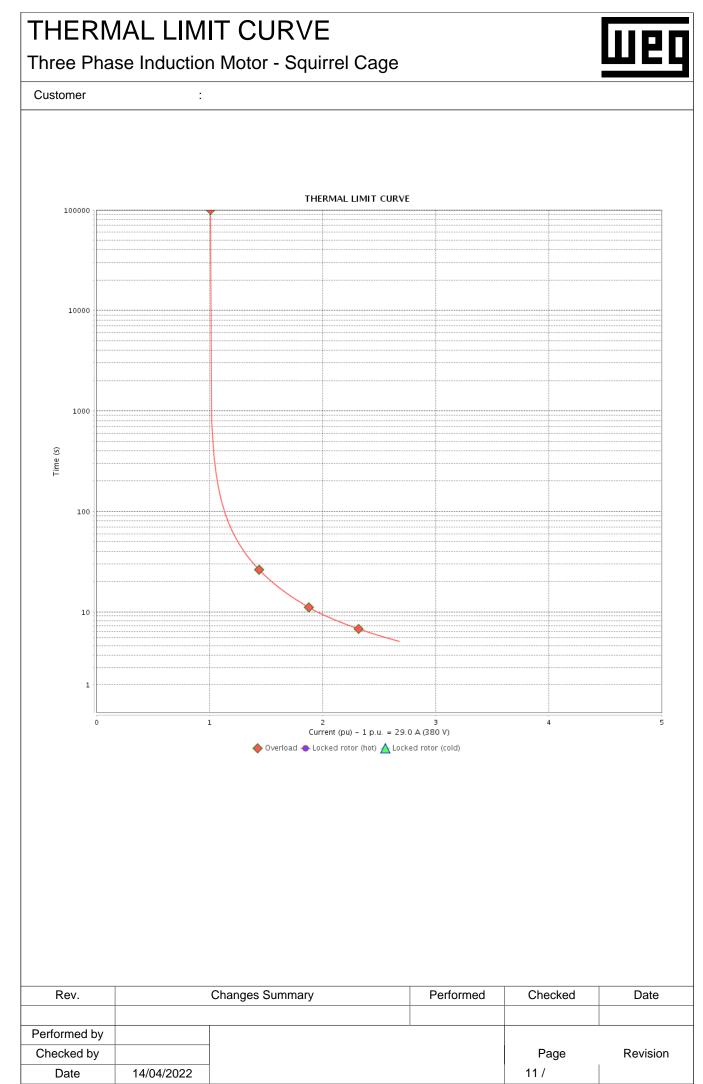
	LIMIT CURVE	9	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12686828
		Catalog # :	02036OT3E254T-S

Performance	:	230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: ; ue :	47.6/23.8 A 6.0 29.8 ft.lb 180 % 240 % 3525 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.7848 sq.ft : Cont.(S1) : F : 1.15 : 80 K : B	lb
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				8 /	
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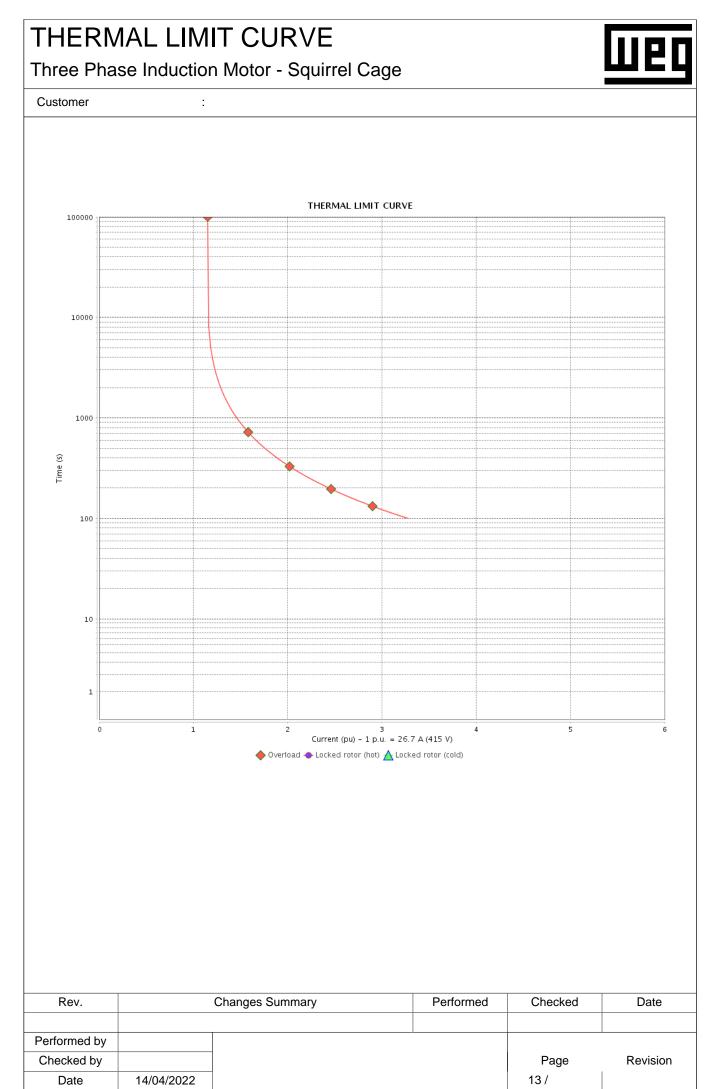
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Three Phase Induct	tion Motor - Squirrel Cage		шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12686828
		Catalog # :	02036OT3E254T-S

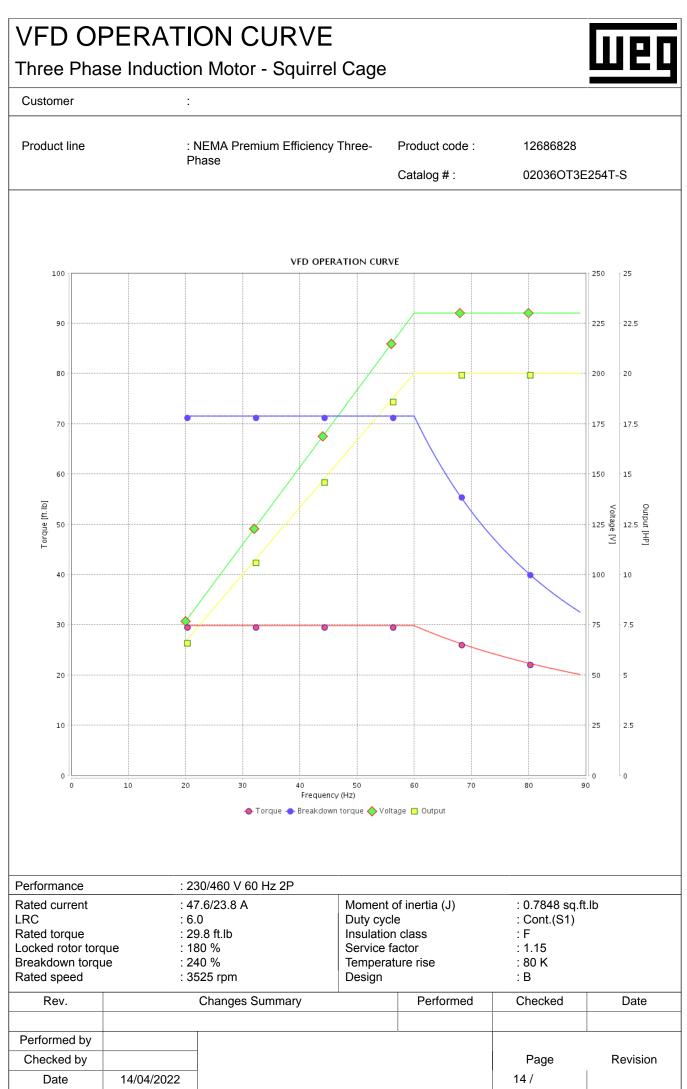
Performance	:	190-220/380 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: que : Je :	58.0-50.1/29.0 A 4.5 36.3 ft.lb 130 % 190 % 2895 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.7848 sq.ft : Cont.(S1) : F : 1.00 : 105 K : B	lb
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
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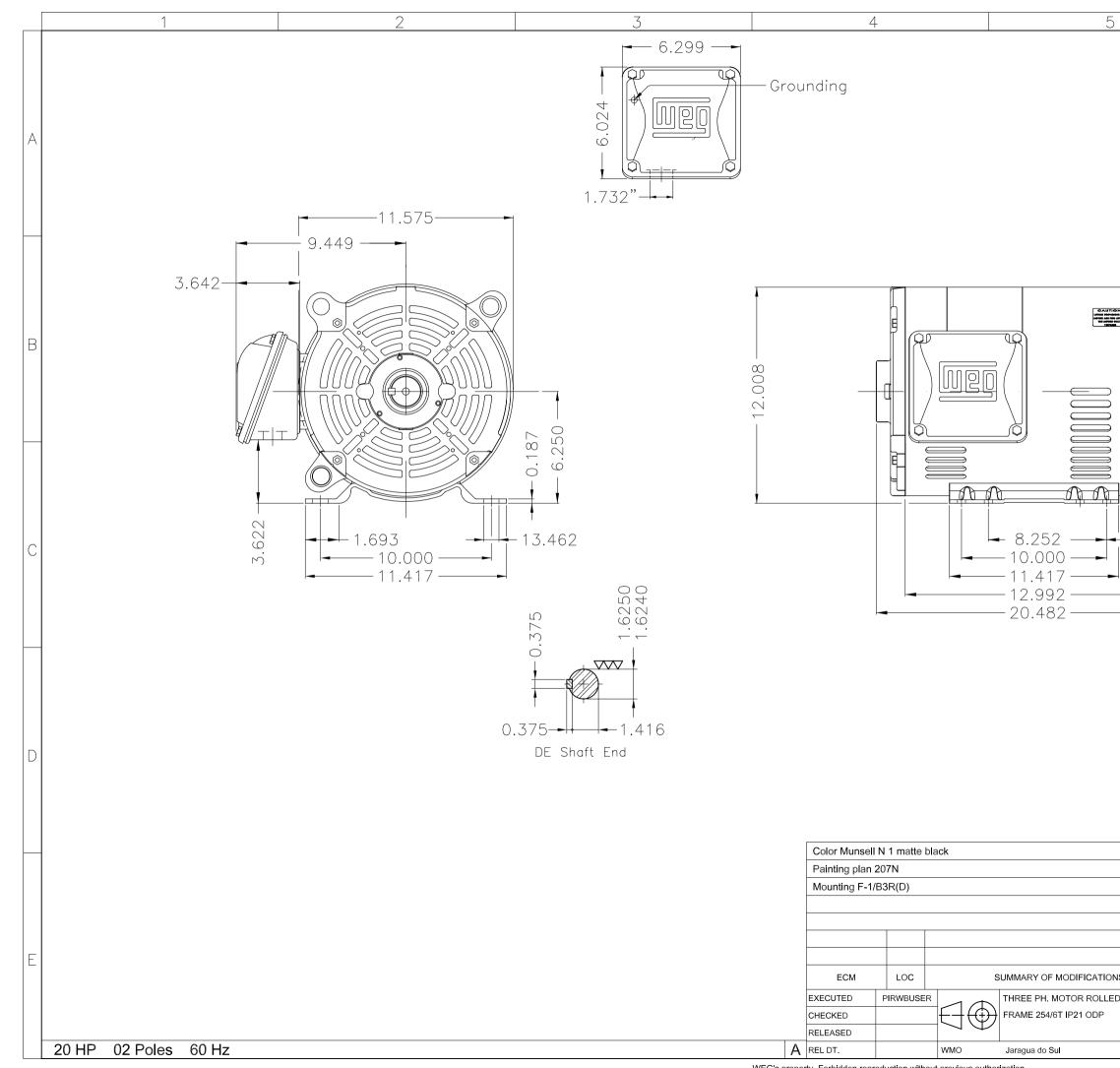
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Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12686828
		Catalog # :	02036OT3E254T-S

Performance	: 4	15 V 50 Hz 2P				
Rated current	: 2	6.7 A	Moment o	f inertia (J)	: 0.7848 sq.ft	.lb
LRC	: 5	.4	Duty cycle)	: Cont.(S1)	
Rated torque	: 3	6.1 ft.lb	Insulation	class	: F	
Locked rotor toro	ue :1	50 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie :2	29 %	Temperatu	ire rise	: 80 K	
Rated speed	: 2	910 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	14/04/2022				12 /	





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