## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Phase     Catalog # : 06012XT31404T       Frame     : 404/5T       Output     ::60 HP (45 kW)     Temperature rise     ::80 K       Frequency     :60 HZ     Ambient temperature rise     ::80 K       Reted voltage     ::575 V     Attitude     ::000 m.a.s.l.       Reted voltage     ::56.2 A     Coling method     ::1C411 - TEFC       LR Amperes     ::388 A     Cooling method     ::1C411 - TEFC       No load current     ::20.0 A     Retation'     :::50.0 dK)       No load current     ::20.0 A     Retation'     :::50.0 dK)       No load current     :::20.0 A     Retation'     :::50.0 dK)       Rated voltage     :::175 %     Soft     Mounting     :::171       No load current     ::::20.0 A     Retation'     ::::171       Rated vortice     ::::::::::::::::::::::::::::::::::::			: NEMA Premium Efficiency T			Three-	Product code :	12408371	
Output     ::60 HP (45 kW)       Projes     :6       Frequency     :60 Hz       Rated voltage     :575 V       Rated voltage     :155 F       Staring method     :Direct On Line       Approx. weight*     :1171 b       Date of the start rest rest rest rest rest rest rest re			FildS	e		(	Catalog # :	06012XT3H	I404T
This revision replaces and cancel the previous one, which nust be eliminated.       Max. traction       : 1567 lb         Notes       Drive end       Non drive end       6314 C3         Gearing type       :       6217 C3       6314 C3         Sealing       :       13507 h       14267 h         Lubrication interval       :       13507 h       14267 h         Lubrication interval       :       21 g       27 g         Notes       Mobil Polyrex EM       Notes       Notes         This revision replaces and cancel the previous one, which nust be eliminated.       Notes       Notes         Notes       Mobil Polyrex EM       Most to the tolerances stipulated in NEI MG-1.         () Measured 1 m and with tolerance of +34B(A).       Subject to the tolerances stipulated in NEI MG-1.         () Measured 1 m and with tolerance of +34B(A).       MG-1.         () At 100% of full load.       Endows of full load.       Performed       Changes Summary         Rev.       Changes Summary       Performed       Checked       Date	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inerti	je	: 60 F : 60 F : 575 : 56.2 : 388 : 6.9 : 20.0 : 118 : 1.25 : 266 : 250 : 270 : F : 1.15 : 36.5	HP (45 kW Hz 2 A A ((Code H) ) A 5 rpm 5 % ft.lb % %	)	Tempera Duty cyu Ambien Altitude Protecti Cooling Mountin Rotatior Noise le Starting	ature rise cle t temperature on degree method g 1 <sup>1</sup> evel <sup>2</sup> method	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TE : F-1 : Both (CW : 65.0 dB(A : Direct On	+40°C .s.l. EFC and CCW)
Efficiency (%)       93.4       93.6       94.5       94.5       Max. traction       : 1567 lb         Power Factor       0.48       0.73       0.82       0.85       Max. compression       : 2738 lb         Bearing type       :       6217 C3       6314 C3       Sealing       Lip Seal       Lip Seal         Lubrication interval       :       13507 h       14267 h       Lubricat rubricat rubrication interval       :       27 g         Lubrication type       :       Mobil Polyrex EM       Mobil Polyrex EM       Not drive end       Sealing         Notes       :       :       12607 h       14267 h       Sealing       Sealing       :       Sealing       :       127 g         Lubrication type       :       :       Mobil Polyrex EM       Mobil Polyrex EM       Sealing       :       Sealing       :	 Dutput	25%	50%	75%	100%	Foundatio	n loads		
Power Factor       0.48       0.73       0.82       0.85       Max. compression       : 2738 lb         Bearing type       :       6217 C3       6314 C3         Sealing       :       018 Seal       Lip Seal         Lubrication interval       :       13507 h       14267 h         Lubricant amount       :       21 g       27 g         Lubricant type       :       Mobil Polyrex EM         Notes       Mobil Polyrex EM         This revision replaces and cancel the previous one, which must be eliminated.       These are average values based on tests with sinusoida power supply, subject to the tolerances stipulated in NEI         1) Looking the motor from the shaft end.       2) Measured at 1m and with tolerance of +3dB(A).         3) Approximate weight subject to changes after manufacturing process.       4) At 100% of full load.         Rev.       Changes Summary       Performed       Checked       Date         Performed by	•							: 1567 lb	
Bearing type       :       6217 C3       6314 C3         Sealing       :       Oil Seal       Lip Seal         Lubrication interval       :       13507 h       14267 h         Lubrication interval       :       21 g       27 g         Lubrication type       :       Mobil Polyrex EM         Notes       Mobil Polyrex EM         Notes       Mobil Polyrex EM         Notes       Mobil Polyrex EM         Notes		0.48	0.73	0.82	0.85	Max. com	pression	: 2738 lb	
nust be eliminated. 1) Looking the motor from the shaft end. 2) Measured at 1m and with tolerance of +3dB(A). 3) Approximate weight subject to changes after nanufacturing process. 4) At 100% of full load. Rev. Changes Summary Performed Checked Date Performed by	Sealing Lubrication inter Lubricant amour			13	507 h 21 g	hil Polyrey I	14267 h 27 g		
Performed by	Notes								
	This revision repl nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate w nanufacturing pro-	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc	nd. e of +3dB(	ne, which A).	These are power su	e average values		
Checked by Page Revision	This revision repl nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate nanufacturing pr 4) At 100% of fu	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	nd. e of +3dB( inges after	one, which A).	These are power su	e average values pply, subject to th	ne tolerances stipu	
	This revision repl nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate v nanufacturing pr 4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	nd. e of +3dB( inges after	one, which A).	These are power su	e average values pply, subject to th	ne tolerances stipu	lated in NEMA

Шeq

 Date
 12/04/2022
 1 / 7

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

1		Thermal protection			
ID	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chang	les Summary	Performed	Checked	Date
erformed by					
Checked by				Page	Revision

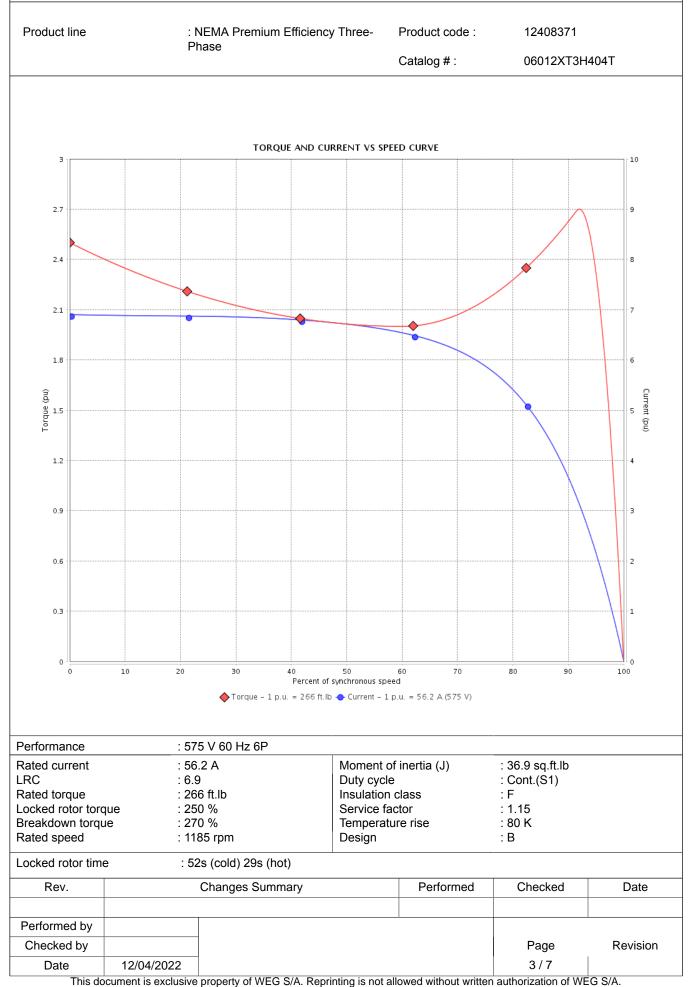
#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:







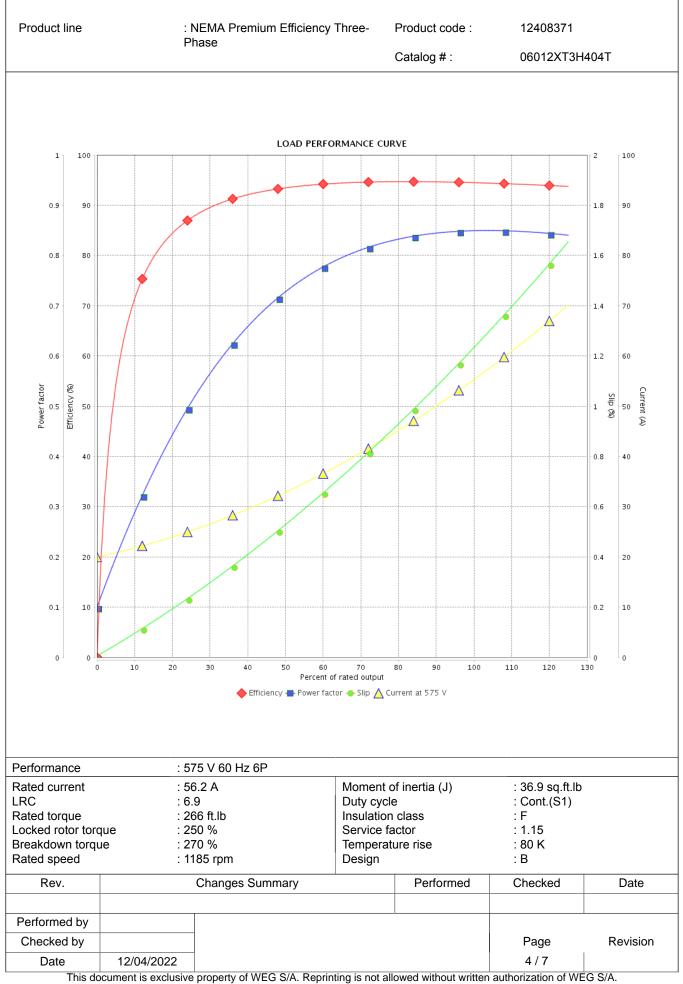
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



# THERMAL LIMIT CURVE

:

Three Phase Induction Motor - Squirrel Cage

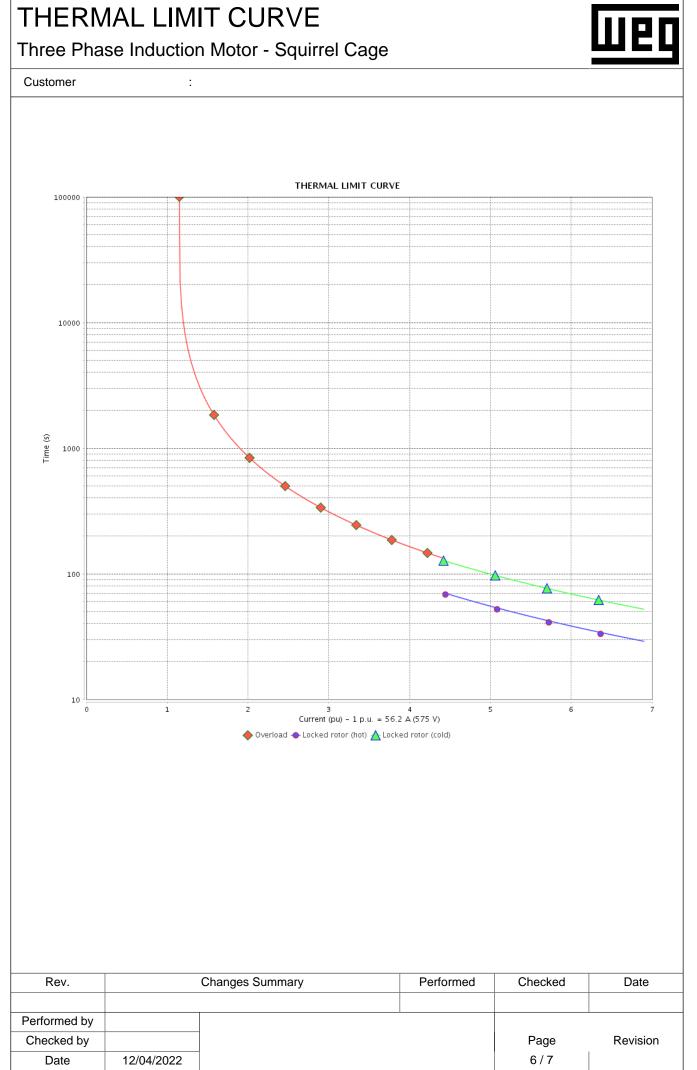
#### Customer

Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12408371	
		Catalog # :	06012XT3H404T	

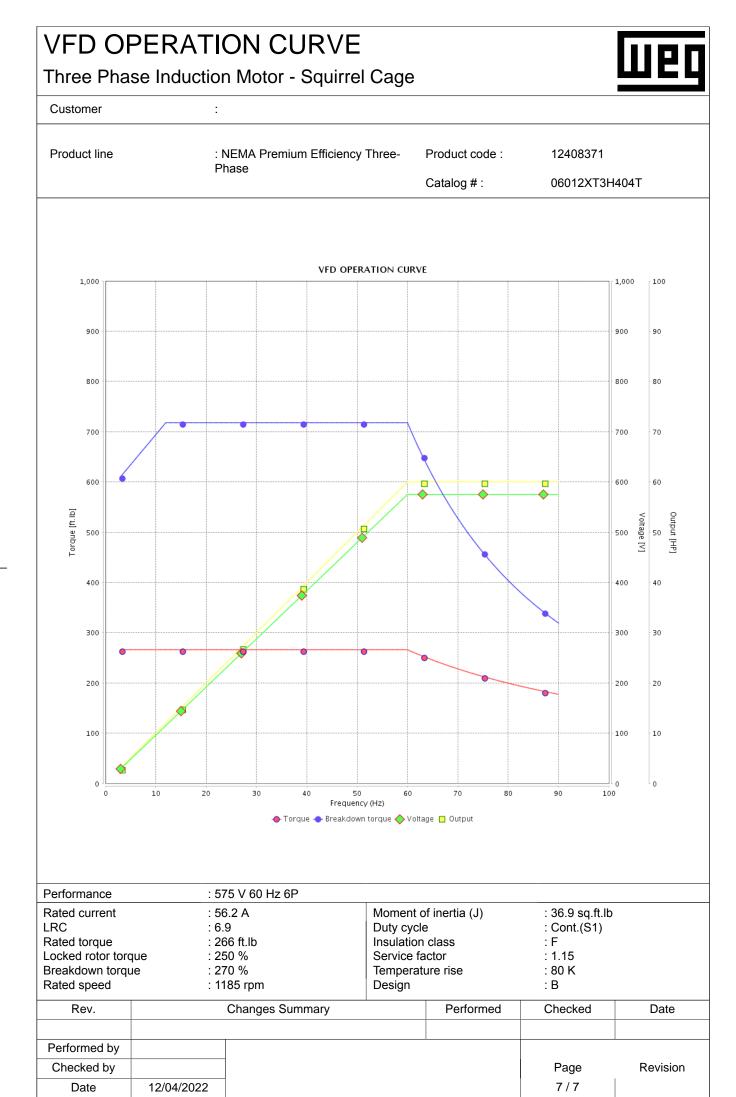
Шед

Performance	: 5	: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	iue : 22	6.2 A .9 66 ft.lb 50 % 70 % 185 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 36.9 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	[					
Cooling constant						
Rev.	Changes Summary			Performed	Checked	Date
Performed by					I	
Checked by					Page	Revision
Date	12/04/2022	2/04/2022				

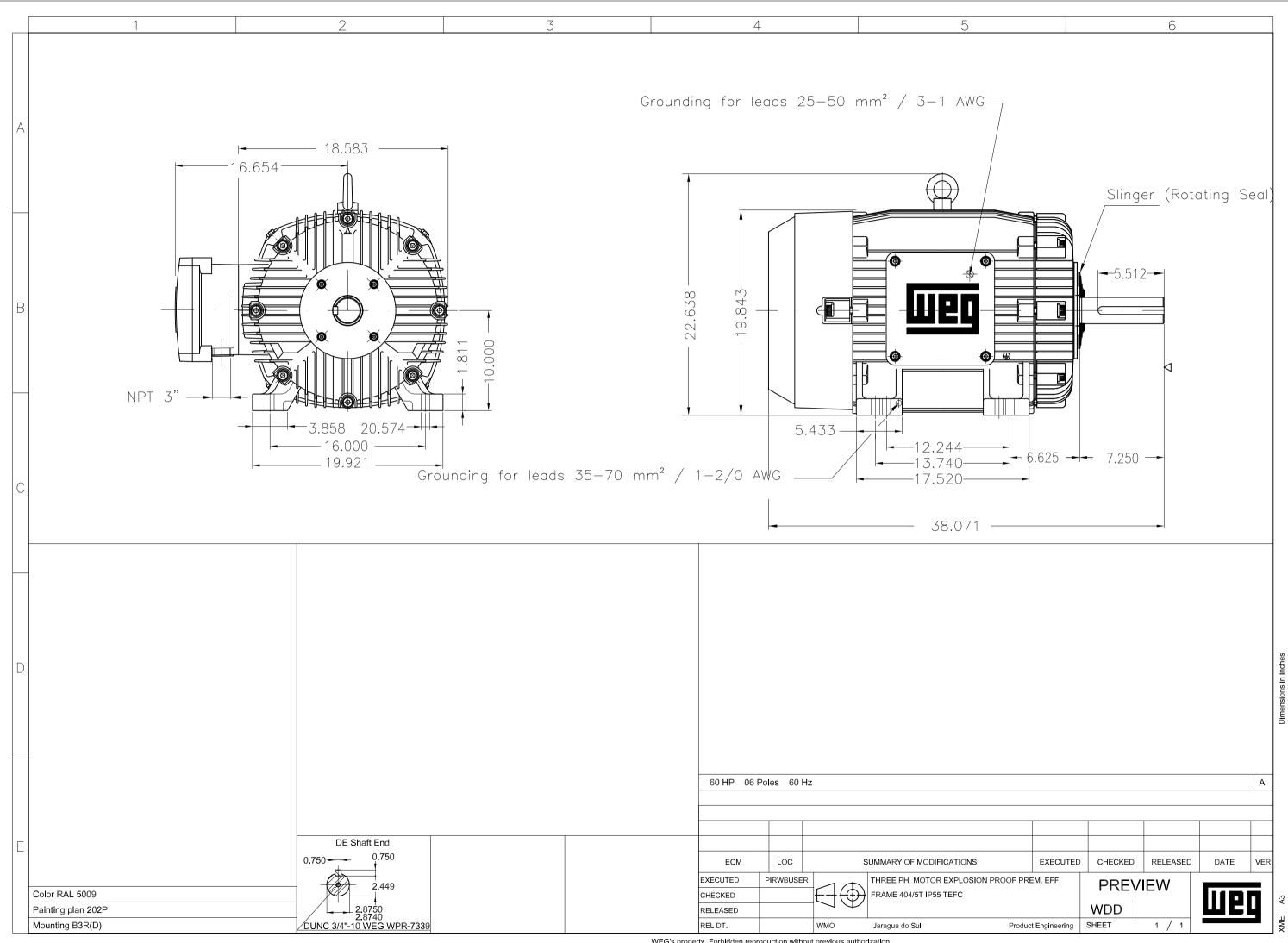
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



WEG's property. Forbidden reproduction without previous authorization.