## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		: NEMA Premium Efficiency T Phase			Three- Product code :		11360152	11360152		
			-			Catalog # :	03036XT3H	286TS		
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J)		: 286TS : 30 HP (22 kW) : 2 : 60 Hz : 575 V : 27.0 A : 181 A : 6.7x(Code G) : 6.00 A : 3545 rpm : 1.53 % : 44.4 ft.lb : 250 % : 240 % : F : 1.15 : 3.08 sq.ft.lb			Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>		: 77s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a.s : IP55 : IC411 - TE : F-1 : Both (CW : 75.0 dB(A)	: Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line		
Design		: B								
Output Efficiency (%) Power Factor	25% 92.2 0.58	50% 92.4 0.78	75% 93.0 0.86	100% 93.0 0.88	Foundati Max. trac Max. cor		: 212 lb : 718 lb			
Bearing type Sealing Lubrication interv Lubricant amour Lubricant type Notes				2RS C3   Seal - POLYREA	ESTER OI	6211 2RS C3 Lip Seal - - L (WT/ ENS)				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. notor from 1m and wit weight sub ocess.	the shaft e	nd. e of +3dB(/	A).		re average values l upply, subject to the				
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. notor from 1m and wit weight sub ocess.	the shaft e th tolerance ject to cha	nd. e of +3dB(/	A).	power s					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro (4) At 100% of ful	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranco ject to cha Cha	nd. e of +3dB(/ nges after	A).	power s	upply, subject to the	e tolerances stipul	lated in NEMA		

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

## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

ID	Application	Туре	Quantity	Sensing Temperature		
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C	
•			7 X 1 11050			
Rev.	Chang	ges Summary	Performed	Checked	Date	
erformed by						
Checked by				Page	Revision	
<b>,</b>						

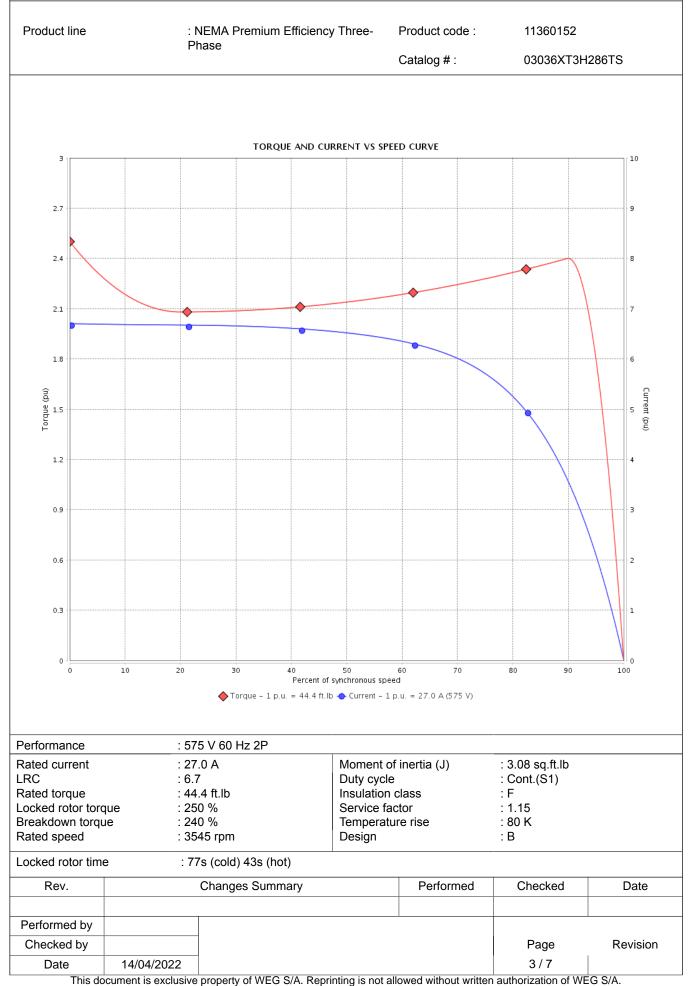
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:







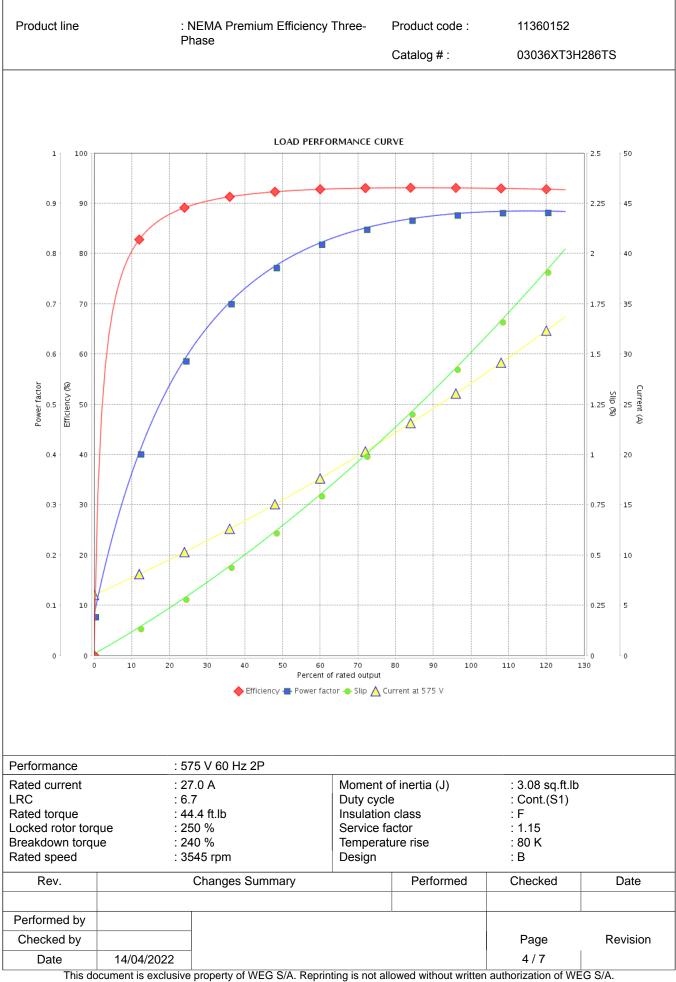
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



# THERMAL LIMIT CURVE

:

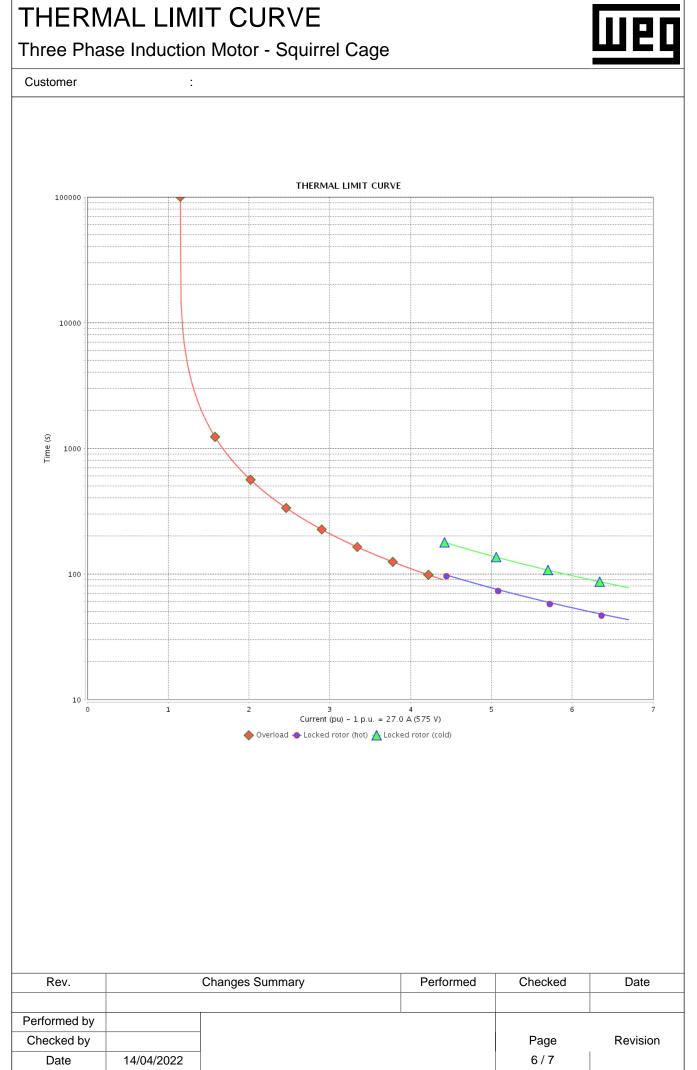
Three Phase Induction Motor - Squirrel Cage

#### Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11360152
	Phase	Catalog # :	03036XT3H286TS

Шеq

Performance		: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 27.0 A : 6.7 : 44.4 ft.lb : 250 % : 240 % : 3545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.08 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022	2			5/7	
This do	cument is exclu	sive property of WEG S/A. Rep Subject to c	orinting is not all change without r		authorization of WE	G S/A.



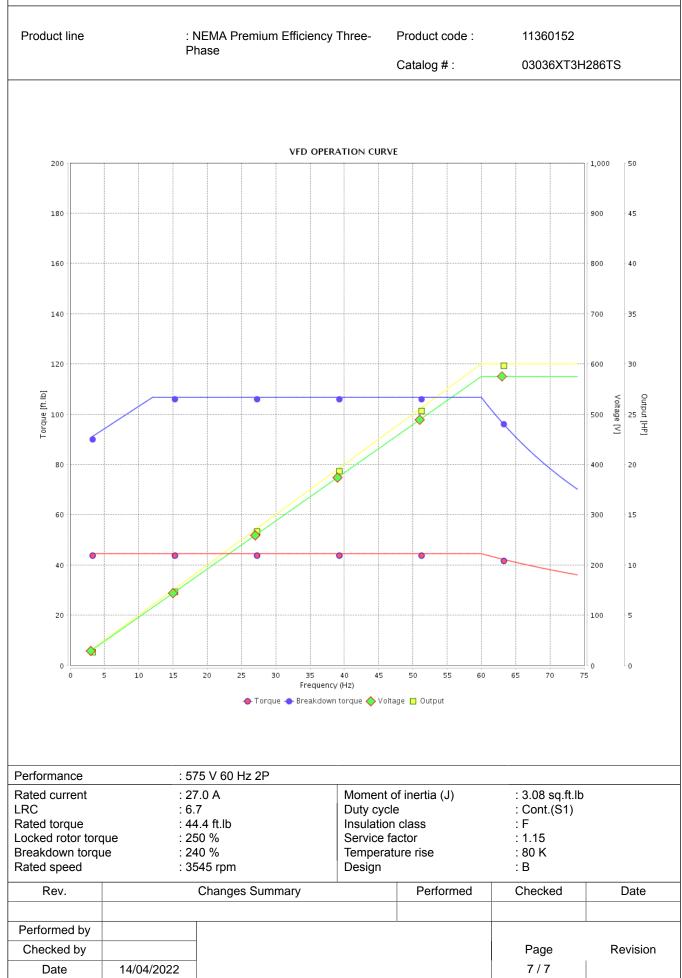
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

## VFD OPERATION CURVE

:

Three Phase Induction Motor - Squirrel Cage

### Customer



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

