# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

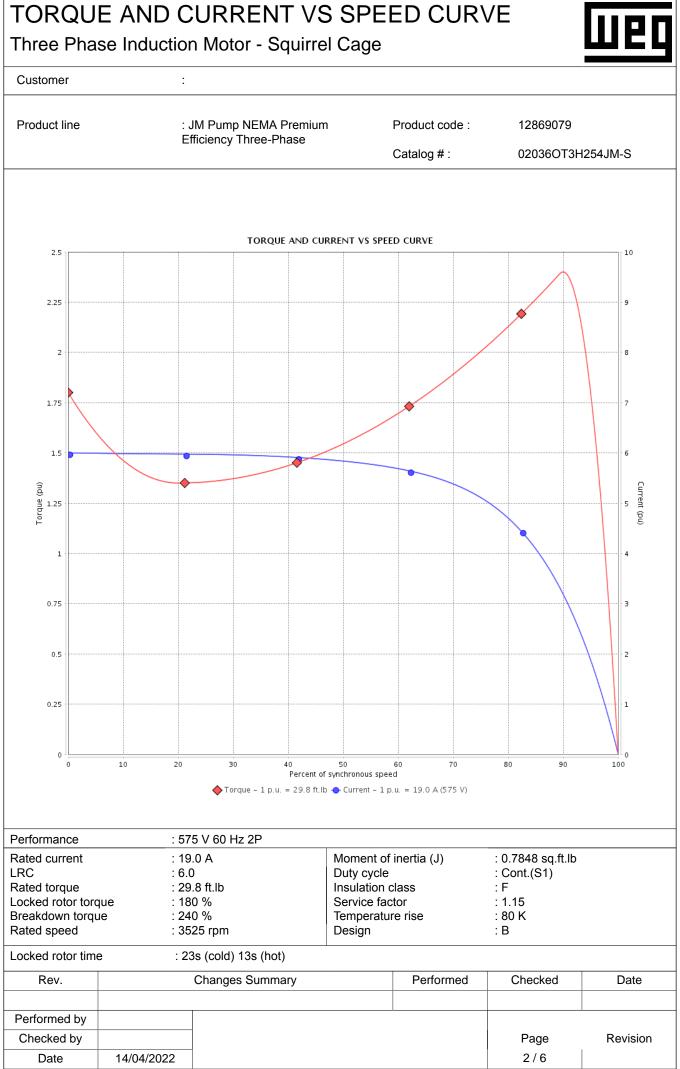
:



#### Customer

Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :		12869079			
					Catalog # :		02036OT3H254JM-S		
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		: 254/6JM : 20 HP (15 kW) : 2 : 60 Hz : 575 V : 19.0 A : 114 A : 6.0x(Code G) : 6.80 A : 3525 rpm : 2.08 % : 29.8 ft.lb : 180 % : 240 % : F			Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>		: 23s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IC01 - OD : F-1 : Both (CW : 70.0 dB(A	: 23s (cold) 13s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 70.0 dB(A) : Direct On Line	
Moment of inertia Design	a (J)	: 1.15 : 0.78 : B	848 sq.ft.lb						
Output	25%	50%	75%	100%	Foundatio	n loads			
Efficiency (%) Power Factor	90.0 0.49	90.2 0.76	91.0 0.83	91.0 0.87	Max. tract Max. com		: 253 lb : 432 lb		
Decring type		:	630	<u>e end</u> 9 Z C3 Bearing Seal		Non drive end 6208 Z C3 Without Bearing	Seal		
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type Notes	ıt		200	000 h  3 g Mol	bil Polyrex	20000 h 8 g EM		ith sinusoidal	
Sealing Lubrication interv Lubricant amoun Lubricant type	aces and o ed. lotor from Im and wit weight sub ocess.	the shaft e th toleranc	200 1 previous or end. æ of +3dB(A	000 h  3 g Mol	These ar	20000 h 8 g	based on tests wi		
Sealing Lubrication interv Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and o ed. lotor from Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	200 1 previous or end. æ of +3dB(A	000 h  3 g Mol	These ar power su	20000 h 8 g EM e average values	based on tests wi		
Sealing Lubrication interview Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate view manufacturing pro (4) At 100% of ful	aces and o ed. lotor from Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	200 1 previous of end. se of +3dB(/ anges after	000 h  3 g Mol	These ar power su	20000 h 8 g EM e average values pply, subject to the	based on tests wi e tolerances stipu	lated in NEMA	
Sealing Lubrication interv Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and o ed. lotor from Im and wit weight sub ocess.	the shaft e th toleranc ject to cha	200 1 previous of end. se of +3dB(/ anges after	000 h  3 g Mol	These ar power su	20000 h 8 g EM e average values pply, subject to the	based on tests wi e tolerances stipu	lated in NEMA	

Subject to change without notice

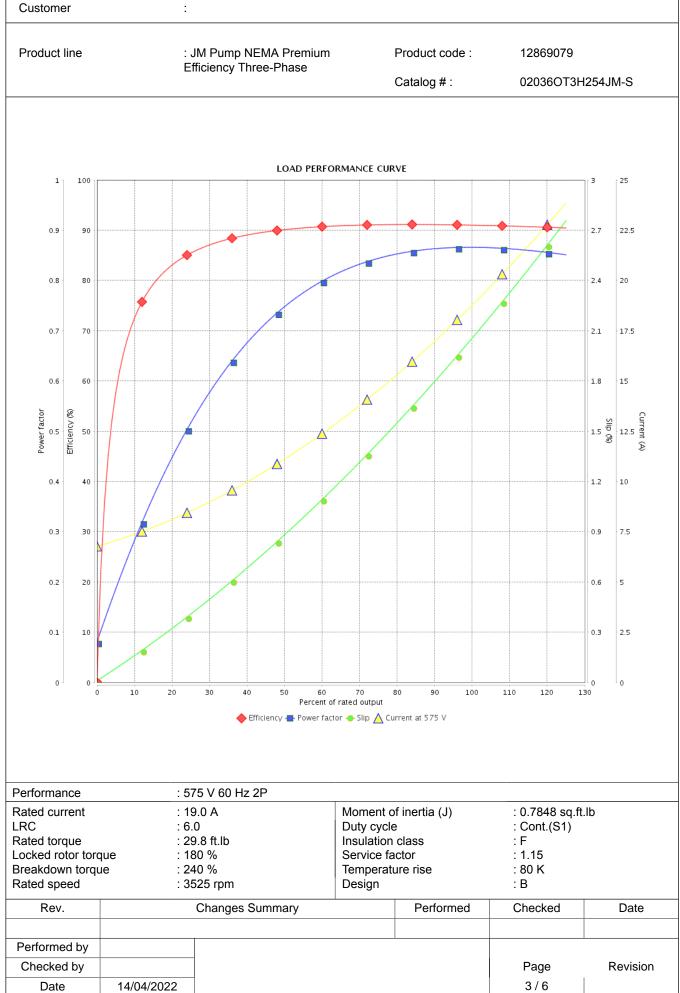


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

### LOAD PERFORMANCE 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.

Subject to change without notice

## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

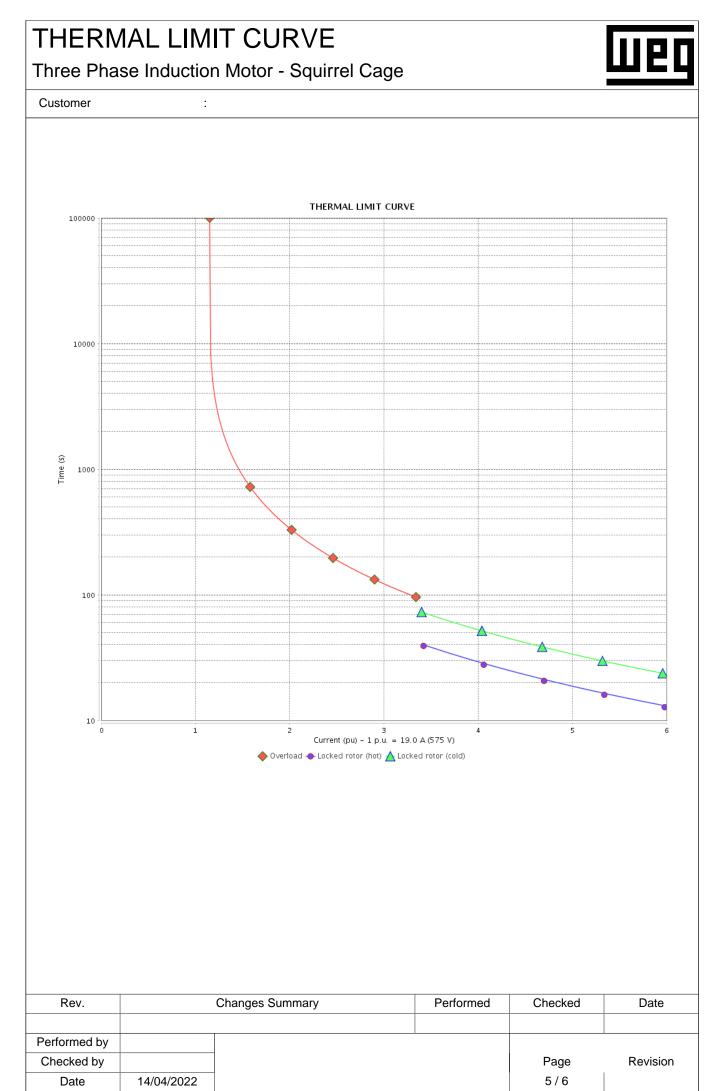


Customer

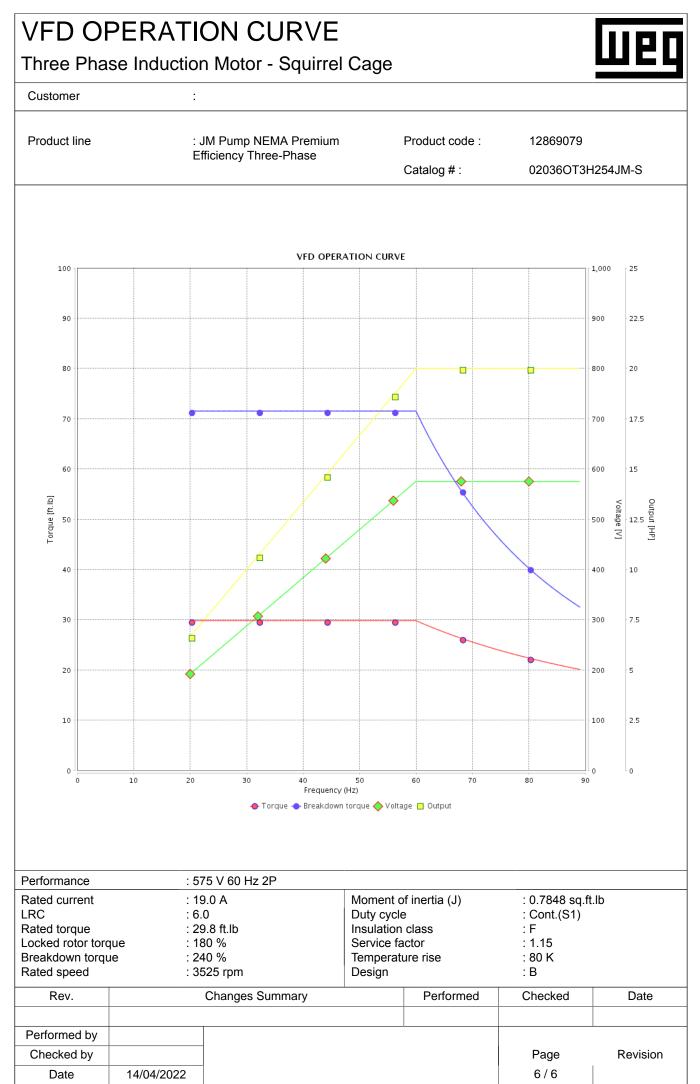
Product line	: F	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	12869079	
			Catalog # :		02036OT3H254JM-S	
Performance	: 5	75 V 60 Hz 2P				
Rated current: 19.0 A.RC: 6.0Rated torque: 29.8 ft.lb.ocked rotor torque: 180 %Breakdown torque: 240 %Rated speed: 3525 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.7848 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constant	t					
Cooling constant				· · · · · ·		
Rev.		Changes Summary		Performed	Checked	Date
Performed by				1	I	
Checked by					Page	Revision
Date	14/04/2022				4 / 6	

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

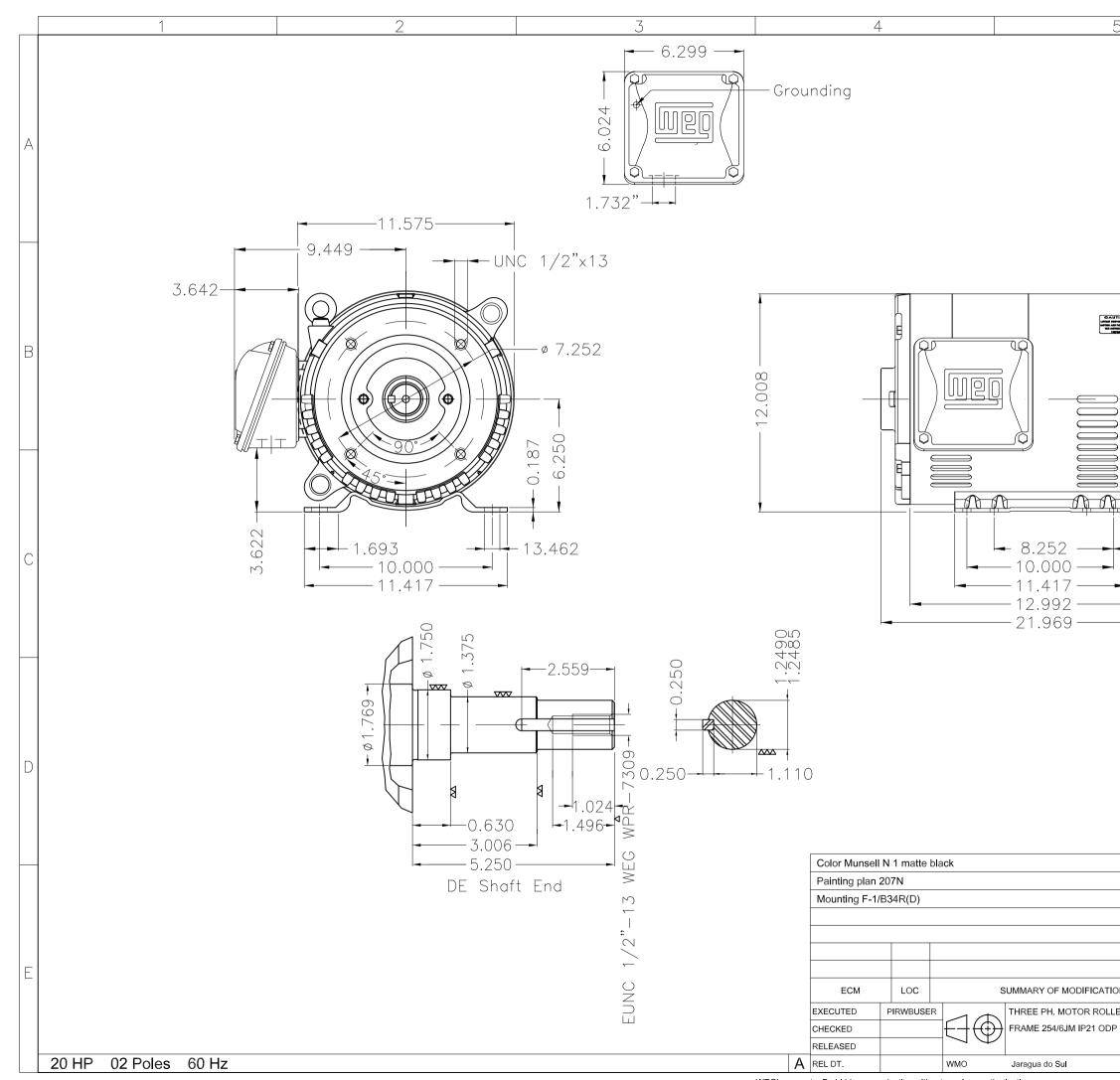
Subject to change without notice



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



WEG's property. Forbidden reproduction without previous authorization.

5			6		
	0.25				Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL CLOSE ( )P	COUPLED PUM	° "∲REVI wdd	ΈŴ	ШВ	A3
Produc	t Engineering	SHEET	1 / 1		XME

