DATA SHEET

Three Phase Induction Motor - Squirrel Cage

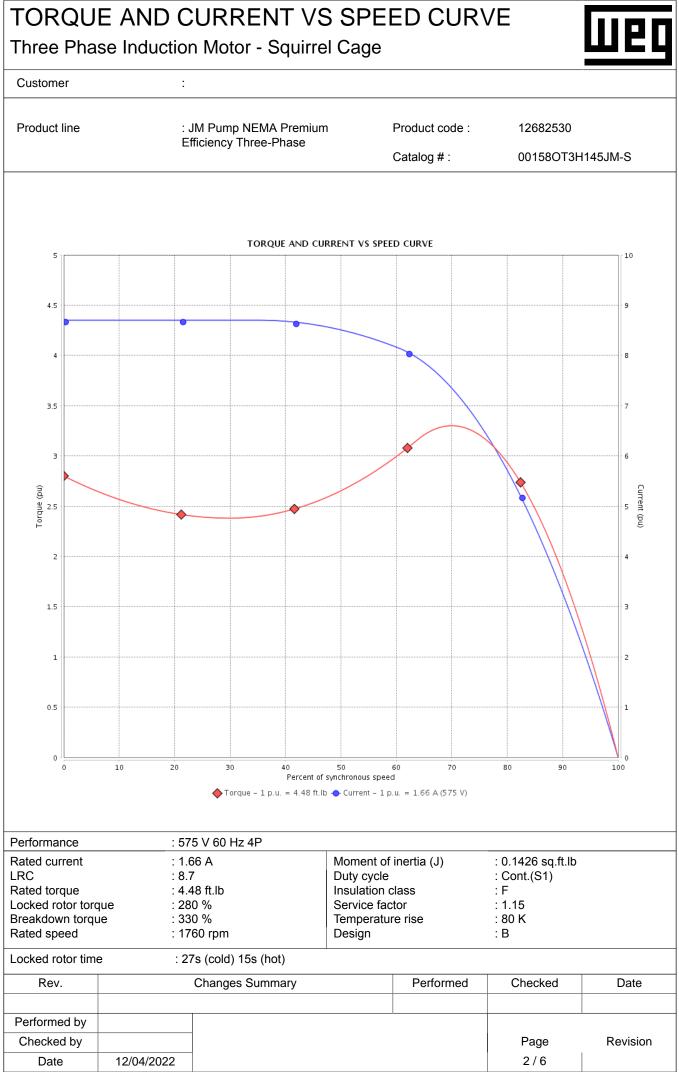
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Customer

Product line			Pump NEM ency Three	1A Premium -Phase	Product co		12682530	
					Catalog # :	00	1580T3H145JM-S	
Frame 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	je	: 1.5 : 4 : 60 H : 575 : 1.60 : 14.4 : 8.7) : 0.95 : 176 : 2.22 : 4.45 : 280 : 330 : F : 1.15	60 Hz 575 V 1.66 A 14.4 A 8.7x(Code L) 0.958 A 1760 rpm 2.22 % 4.48 ft.lb 280 % 330 % F		Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³		00158O13H145JM-S : 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 52.0 dB(A) : Direct On Line : 43.7 lb	
Moment of inertia Design	a (J)	: 0.14 : B	26 sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	83.6	84.0	86.5	86.5	Max. traction	: 10		
Power Factor	0.32	0.56	0.69	0.77	Max. compression	: 15	0 lb	
Bearing type Sealing Lubrication inten Lubricant amoun Lubricant type Notes		:	62	<u>e end</u> 06 ZZ 3earing Seal - - Mol		3 ZZ earing Seal - -		
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc	nd. e of +3dB(/	A).			n tests with sinusoidal nces stipulated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from 1m and wit weight sub ocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(/	A).	power supply, subje	ct to the tolerar		
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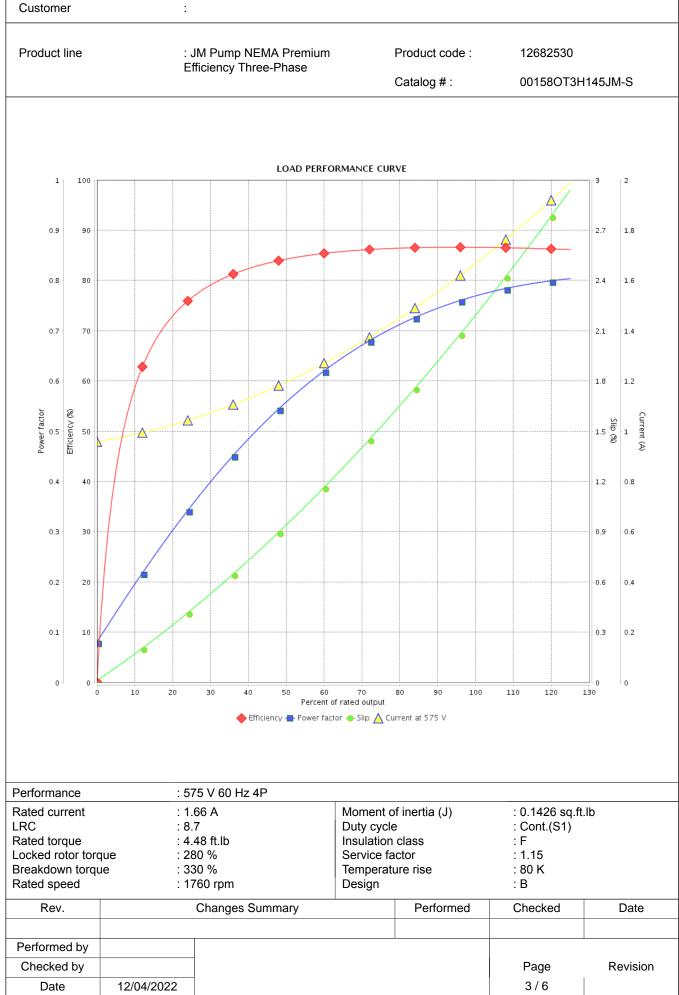


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LOAD PERFORMANCE CURVE

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THERMAL LIMIT CURVE

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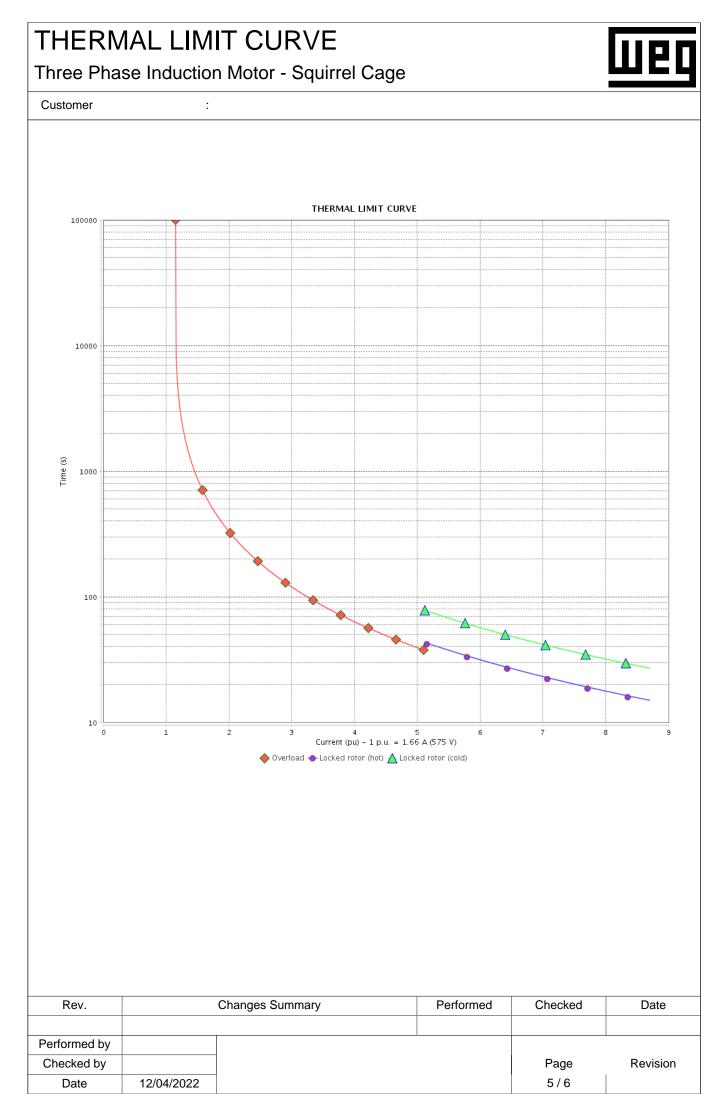


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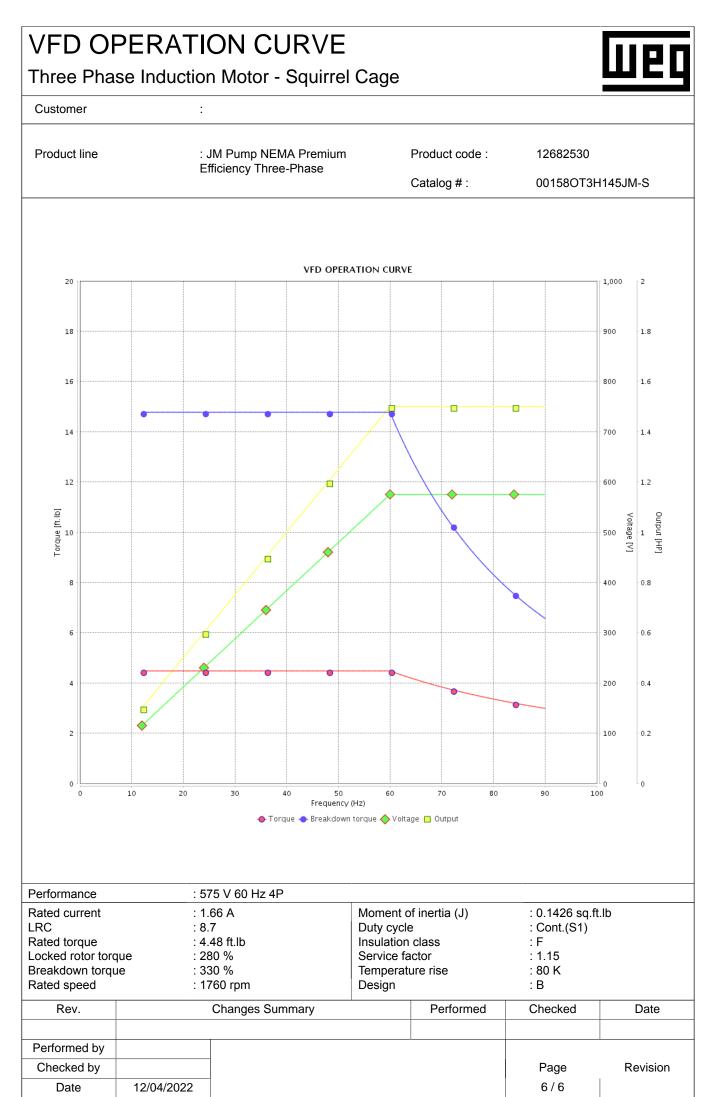
Product line	: E	JM Pump NEMA Premium fficiency Three-Phase		Product code : Catalog # :	12682530 00158OT3H	145JM-S
Performance	· E	75 V 60 Hz 4P				
Rated current		.66 A	Moment o	f inertia (J)	: 0.1426 sq.ft.	b
LRC	: 8	.7	Duty cycle	9	: Cont.(S1)	
Rated torque Locked rotor torc		.48 ft.lb 80 %	Insulation Service fa		: F : 1.15	
Breakdown torqu	ie : 3	30 %	Temperate		: 80 K	
Rated speed	: 1	760 rpm	Design		: B	
Heating constant						
Cooling constant		Charges Currenter		Denfermend	Checked	Data
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	12/04/2022	-			4/6	

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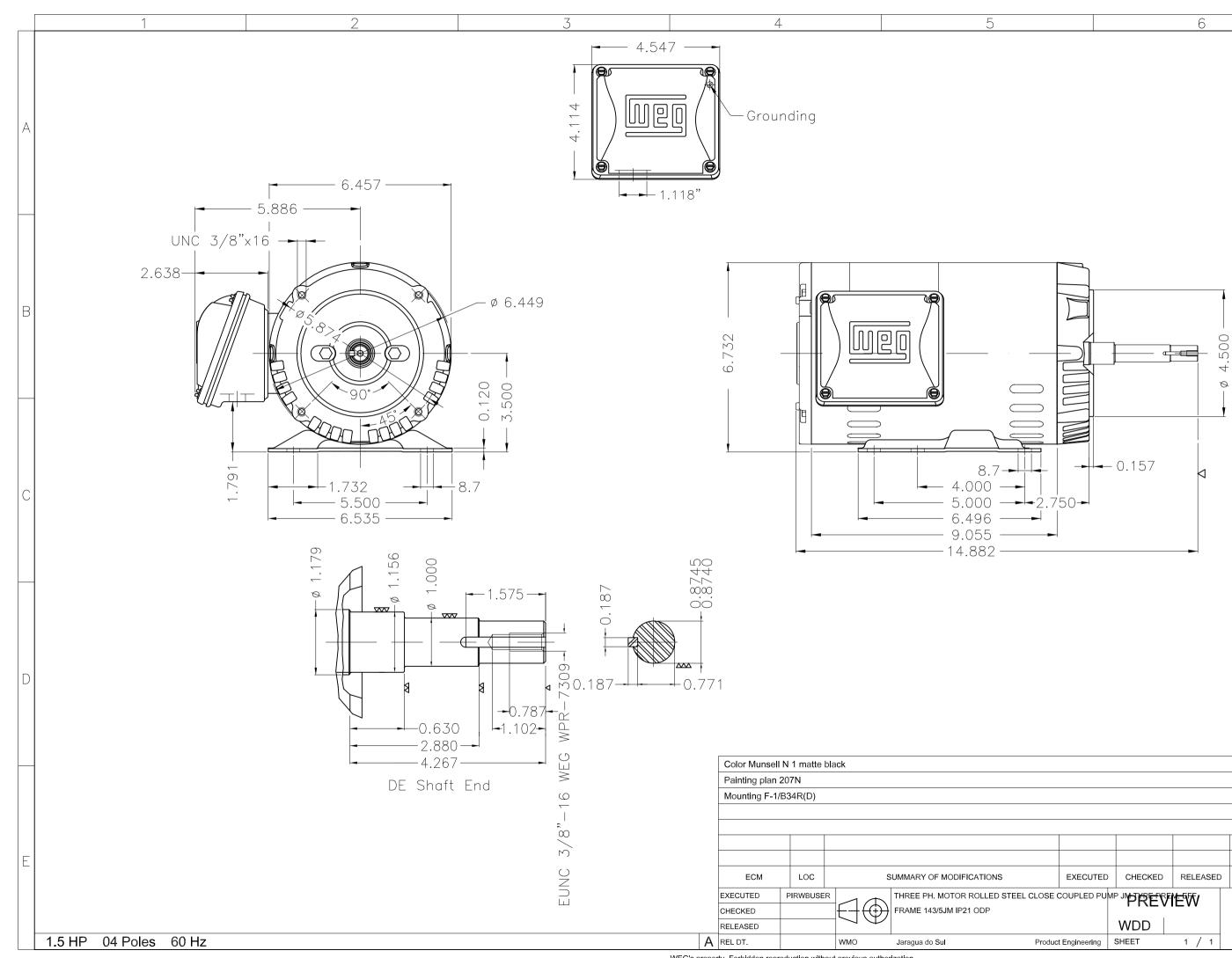
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	DATE VER	RELEASED	CHECKED	EXECUTED	ONS
		EW	MP JAPREVI	COUPLED PU	LED STEEL CLOSE (
A3	шец		WDD		
XME		1 / 1	SHEET	Engineering	Product
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