## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Pha					14284388	
							00158XT3E145TC	
Frame		: 143/5TC		Locked ro	otor time	: 25s (cold)	14s (hot)	
Output		: 1.5 HP (*	1.1 kW)	Temperat		: 80 K		
Poles		: 4	-	Duty cycle		: Cont.(S1)		
Frequency		: 60 Hz			Ambient temperature		40°C	
Rated voltage		: 230/460		Altitude		: 1000 m.a.s	s.l.	
Rated current	: 4.10/2.05 A		Protection		: IP55			
L. R. Amperes	: 8.9x(Code L)		Cooling method Mounting		: IC411 - TEFC			
LRC					: F-1			
No load current		: 2.40/1.20 A		Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed		: 1755 rpn	n	Noise level <sup>2</sup> Starting method	: 51.0 dB(A)			
Slip		: 2.50 %				: Direct On Line		
Rated torque		: 4.49 ft.lb		Approx. w	/eight³	: 73.3 lb		
Locked rotor tor		: 270 %						
Breakdown torqu	ue	: 350 %						
Insulation class		: F						
Service factor	- (1)	: 1.15						
Moment of inerti	a (J)	: 0.1303 s	d.ti.b					
Design		: B						
Output	50%	75%	100%	Foundation				
Efficiency (%)	81.5	85.5	86.5	Max. tracti		: 115 lb		
Power Factor	0.58	0.70	0.78	Max. comp	pression	: 188 lb		
			Drive end		Non drive end	<u> </u>		
Bearing type		:	6205 2RS		6204 2RS			
Sealing		:	Oil Seal		Lip Seal			
Lubrication inter								
		•	-		-			
Lubricant amour Lubricant type Notes	nt	1.15 SFA 5.21		obil Polyrex E	EM			
Lubricant amour Lubricant type Notes USABLE @208V	1t 7 4.53A SF		A			based on tests wi	ith sinusoidal	
Lubricant amour Lubricant type Notes	4.53A SF 4.53A SF aces and c ed. notor from t 1m and wit weight sub rocess.	cancel the prev the shaft end. h tolerance of	A rious one, which +3dB(A).	These are	e average values	based on tests wi		
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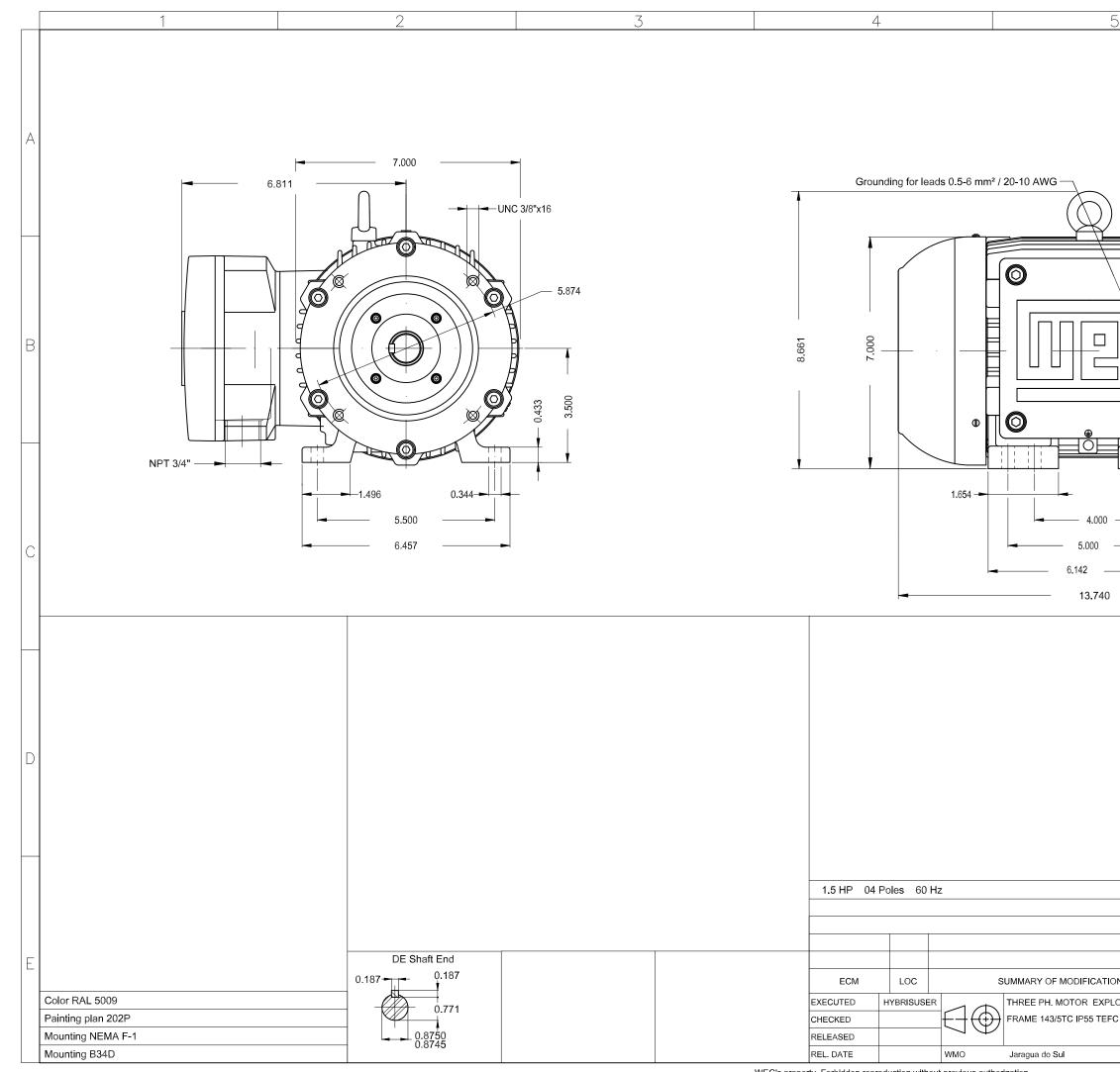
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Customer

ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
Rev.	Changes	s Summary	Performed	Checked	Date
rformed by hecked by				Page	Revision





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NS	EXECUTED	CHECKED	RELEASED	DATE	VER	
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Produc	t Engineering		00 1 / 1	ШР	9	XME A3

