DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: Mult	nounting IE3 Three-Phase		Product code : Catalog # :		14051987 .7518ET3WAL90S/LFF-W		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 90S/L : F : S1 : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC411 - TEFC : B35L(E) : Both (CW and CCW) : Direct On Line : 38.1 lb		
Protection degree Design	e	: IP55 : N		Moment	of inertia (J)	: 0.1163 sc	.ft.lb	
Dutput [HP]		1			1		1	
Poles		4			4		4	
Frequency [Hz]		50		50			60	
Rated voltage [V]		220/380		240/415			460	
Rated current [A]			3.02/1.75		2.99/1.73		1.51	
. R. Amperes [A]			19.3/11.2		21.5/12.5		12.1	
RC [A]		6.4		7.2			8.0	
lo load current [A]			1.64/0.950		1.99/1.15		0.950	
Rated speed [RPM	1]		1445		1455		1760	
Slip [%]	1							
Rated torque [ft.lb]								
ocked rotor torqu								
Breakdown torque	[%]							
Service factor								
emperature rise				07				
ocked rotor time								
loise level ²	050/		. ,					
	25%							
Efficiency (%)	50%		49.0 dB(A) $49.0 dB(A)$ $49.0 dB(A)$ 81.7 79.2 79.5 82.0 80.0 80.0 82.5 82.0 84.0 82.5 82.5 84.0 0.34 0.28 0.29 0.58 0.50 0.51 0.71 0.63 0.65 0.79 0.73 0.74 speed;torque), in percentage of rated output power $(1,0)$ 19.7 19.7 $(1,0)$ 15.6 15.6 $(1,0)$ 15.3 15.3 $(3,5)$ 12.7 12.7 $(1.4, 30.5)$ 8.6 8.6					
,	75%				37s (cold) 0s (hot) 39s (cold) 0s (hot) 49.0 dB(A) 49.0 dB(A) 79.2 79.5 80.0 80.0 82.0 84.0 82.5 84.0 0.28 0.29 0.50 0.51 0.63 0.65 0.73 0.74			
	100%							
	25%							
Power Factor	50%							
	75% 100%							
							0.74	
Losses at normali	ve operating	P1 (0,9;1,0)					17 7	
		P2 (0,5;1,0)	0,25;1,0) 15.3					
Losses (%)								
LU33C3 (/0)		P4 (0,9;0,5) P5 (0,5;0,5)						
		P6 (0,5;0,25)			7.2		6.4	
		P7 (0,25;0,25)		.2	5.3		4.7	
			1	1			י.ד	
Roaring ture		<u>Drive end</u> <u>N</u> : 6205 ZZ	lon drive end 6204 ZZ					
Bearing type					Max. traction Max. compression		: 74 lb : 112 lb	
Sealing	vol	: V'Ring	V'Ring	wax. com	pression	: 112 lb		
Lubrication interv			-					
Lubricant amount Lubricant type	ι	: - : Mobil Poly	- Irov EM					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1	d. otor from th m and with	ncel the previous or e shaft end. tolerance of +3dB(A	ne, which		e average values oply, subject to th			
(3) Approximate w manufacturing pro		ct to changes after						
Rev.					Performed	Checked	Date	
<u> </u>								
Performed by								
Checked by						Page	Revision	
Date	10/10/202	23				1/2		
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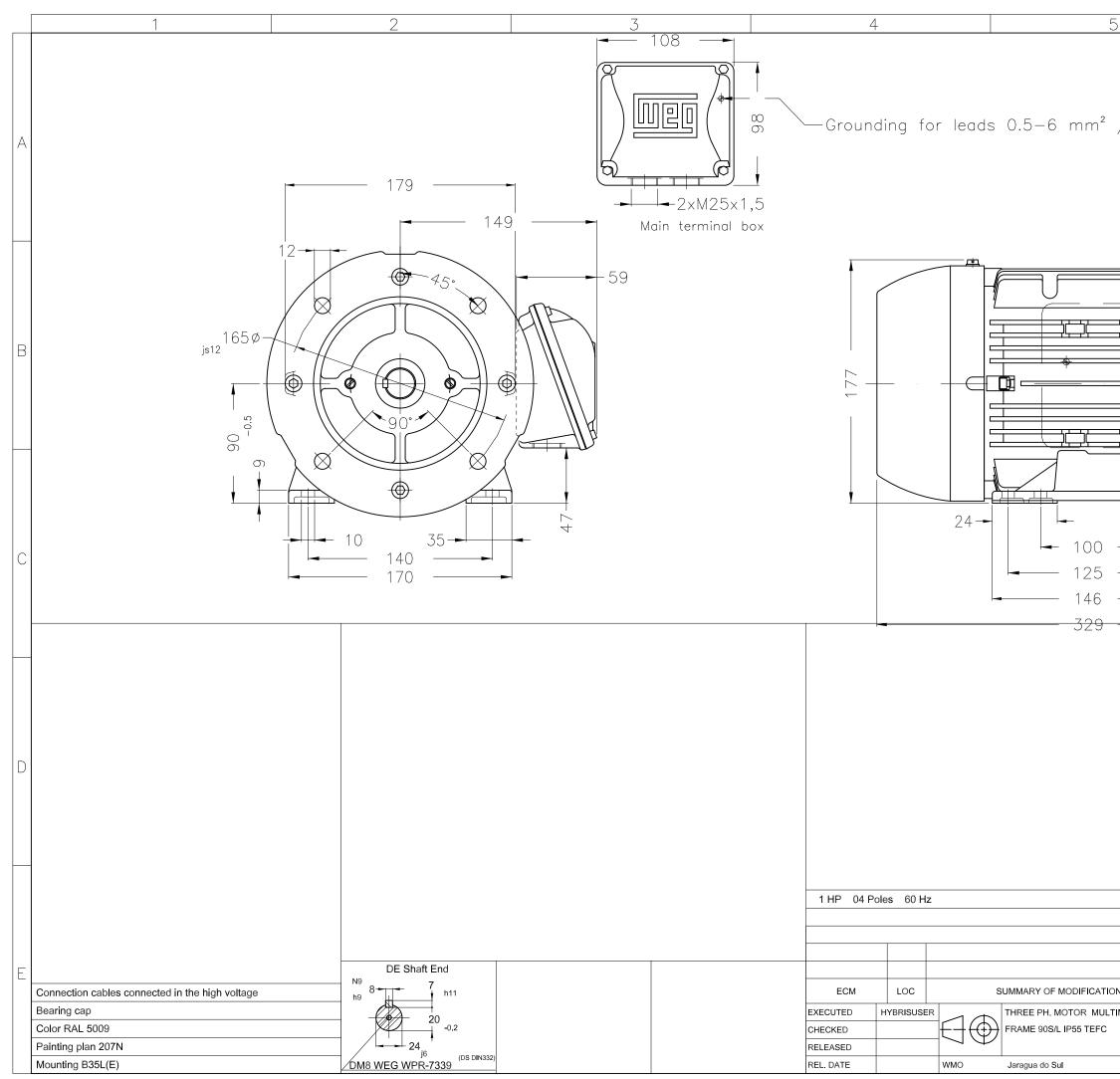
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Notes

	Changes Summary	Performed	Checked	Date
			Page	Revision
10/10/2023			2/2	
	10/10/2023	Changes Summary	10/10/2023	Page

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/ 20-10 AW	/G					
		- 36 - 3.5 - 50 - 0.3		¢ 500		
					A	Dimensions in mm
HYBRI	SUSER				00	
NS EXEC	UTED	CHECKED	RELEASED	DATE	VER	
IMOUNTIN IE3						
		PREVI		110		A3
		WDD	00	шС		
Product Enginee	ering	SHEET	1 / 1			XME