DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:	· · · · · · · · · · · · · · · · · · ·					
Product line	: Multimounting IE3 Three-Phase		Product code : Catalog # :		13984010 00158ET3WAL90L-W22		
Frame : 90S/L Output : 2 HP (1.5 kW) Poles : 4 Frequency : 50 Hz Rated voltage : 220/380 V Rated current : 5.56/3.22 A L. R. Amperes : 36.2/20.9 A LRC : 6.5 No load current : 2.68/1.55 A Rated speed : 1435 rpm Slip : 4.33 % Rated torque : 7.32 ft.lb Locked rotor torque : 229 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1566 sq.ft.lb		Locked Temper Duty cy Ambier Altitude Protect Cooling Mountir Rotatio Noise k	rotor time rature rise cle it temperature ion degree i method ng	: 25s (cold) 14s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : B3L(E) : Both (CW and CCW) : 49.0 dB(A) : Direct On Line : 43.9 lb			
Moment of inertia Design	: N	75% 100%	Foundation	on loads			
Efficiency (%)	84.7 82.2 85.0 83.1		Max. trac		: 160 lb		
Power Factor	81.3 82.5 0.38 0.31 0.63 0.54	85.5 86.5	Max. com		: 204 lb		
Losses at normati	ve operating points (sp	eed;torque), in perce	ntage of ra	ted output power			
Losses (%)	P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5)	16.1 13.3 13.4 9.4 6.6	15 13 13 9 6	5.8 3.0 3.1 .2	14.6 12.0 12.1 8.5 5.9		
Bearing type Sealing Lubrication interv	P6 (0,5;0,25) P7 (0,25;0,25)	5.2 3.8 Drive end 6205 ZZ V'Ring		Non drive end 6204 ZZ V'Ring	4.7 3.4		
Lubricant amount		- - Mol	- bbil Polyrex EM				
Notes:							
must be eliminate (1) Looking the mo (2) Measured at 1	otor from the shaft end. m and with tolerance o reight subject to chango ocess.	f +3dB(A).			s based on tests w ne tolerances stipu		
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