

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : AutomationSTE		Customer reference : AutomationSTE	
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code :	11647930
		Catalog # :	00736ET3E184T-W22
Frame : 182/4T Output : 7.5 HP (5.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 17.5/8.76 A L. R. Amperes : 144/71.8 A LRC : 8.2x(Code J) No load current : 5.80/2.90 A Rated speed : 3485 rpm Slip : 3.19 % Rated torque : 15.3 Nm Locked rotor torque : 270 % Breakdown torque : 330 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0095 kgm² Design : A		Locked rotor time : 30s (cold) 17s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation¹ : Both (CW and CCW) Noise level² : 66.0 dB(A) Starting method : Direct On Line Approx. weight³ : 44.7 kg	
Output	50%	75%	100%
Efficiency (%)	88.5	89.5	89.5
Power Factor	0.75	0.84	0.88
		Foundation loads	
		Max. traction	: 995 N
		Max. compression	: 1434 N
Losses at normative operating points (speed;torque), in percentage of rated output power			
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)
11.4	9.4	8.7	5.3

Rev.	Changes Summary		Performed	Checked	Date
Performed by		<div>Page</div> <div>Revision</div>			
Checked by					
Date	11/05/2024				