

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																																															
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase			Product code :	12675393																																										
				Catalog # :	00336ET3H182T-S																																										
Frame	: 182/4T	Locked rotor time	: 45s (cold) 25s (hot)																																												
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K																																												
Poles	: 2	Duty cycle	: Cont.(S1)																																												
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																																												
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.																																												
Rated current	: 3.01 A	Protection degree	: IP55																																												
L. R. Amperes	: 26.5 A	Cooling method	: IC411 - TEFC																																												
LRC	: 8.8x(Code K)	Mounting	: F-1																																												
No load current	: 1.36 A	Rotation <sup>1</sup>	: Both (CW and CCW)																																												
Rated speed	: 3515 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)																																												
Slip	: 2.36 %	Starting method	: Direct On Line																																												
Rated torque	: 4.48 ft.lb	Approx. weight <sup>3</sup>	: 62.2 lb																																												
Locked rotor torque	: 240 %																																														
Breakdown torque	: 350 %																																														
Insulation class	: F																																														
Service factor	: 1.15																																														
Moment of inertia (J)	: 0.1564 sq.ft.lb																																														
Design	: B																																														
Output	50%	75%	100%	Foundation loads																																											
Efficiency (%)	84.0	86.5	86.5	Max. traction	: 69 lb																																										
Power Factor	0.70	0.80	0.85	Max. compression	: 131 lb																																										
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)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)																																									
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