

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																												
Product line	: W22 NEMA Premium Efficiency Three-Phase			Product code :	12447105																							
				Catalog # :	02536ET3H284TSC-W22																							
Frame	: 284/6TSC	Locked rotor time	: 30s (cold) 17s (hot)																									
Output	: 25 HP (18.5 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	: 23.0 A	Protection degree	: IP55																									
L. R. Amperes	: 145 A	Cooling method	: IC411 - TEFC																									
LRC	: 6.3x(Code G)	Mounting	: F-1																									
No load current	: 6.52 A	Rotation ¹	: Both (CW and CCW)																									
Rated speed	: 3545 rpm	Noise level ²	: 72.0 dB(A)																									
Slip	: 1.53 %	Starting method	: Direct On Line																									
Rated torque	: 37.0 ft.lb	Approx. weight ³	: 383 lb																									
Locked rotor torque	: 200 %																											
Breakdown torque	: 250 %																											
Insulation class	: F																											
Service factor	: 1.25																											
Moment of inertia (J)	: 2.69 sq.ft.lb																											
Design	: B																											
Output	25%	50%	75%	100%	Foundation loads																							
Efficiency (%)	0.000	91.0	91.7	91.7	Max. traction	: 212 lb																						
Power Factor	0.00	0.78	0.85	0.88	Max. compression	: 595 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)																						
8.1	5.6	4.9	4.8	2.5	1.7	0.9																						
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