

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: W22 Single-Phase	Product code :	14145114		
		Catalog # :	00536ES1E184T-W22		
Frame	: 182/4T	Locked rotor time	: 12s (cold) 7s (hot)		
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K		
Poles	: 2	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 20.5-19.0/9.50 A	Protection degree	: IP55		
L. R. Amperes	: 146-135/67.5 A	Cooling method	: IC411 - TEFC		
LRC	: 7.1x(Code G)	Mounting	: F-1		
No load current	: 3.36-3.90/1.95 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 3515 rpm	Noise level ²	: 72.0 dB(A)		
Slip	: 2.36 %	Starting method	: Direct On Line		
Rated torque	: 7.47 ft.lb	Approx. weight ³	: 109 lb		
Locked rotor torque	: 280 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.2164 sq.ft.lb				
Output	50%	75%	100%		
Efficiency (%)	80.0	84.0	85.5		
Power Factor	0.96	0.99	0.99		
		Foundation loads			
Bearing type	:	Drive end	Non drive end		
Sealing	:	6207 ZZ	6206 ZZ		
Lubrication interval	:	V'Ring	V'Ring		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes:					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.		These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by					
Date	28/03/2024			1 / 1	