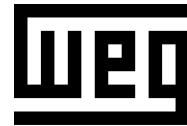


DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: W22 Single-Phase	Product code : Catalog # :	14380933 01418ES1D215TZ-W22		
Frame	: 215TZ	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 14 HP (10.3 kW)	Temperature rise	: 125 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 60.7 A	Protection degree	: IP55		
L. R. Amperes	: 443 A	Cooling method	: IC411 - TEFC		
LRC	: 7.3x(Code J)	Mounting	: F-1		
No load current	: 28.0 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1730 rpm	Starting method	: Direct On Line		
Slip	: 3.89 %	Approx. weight ³	: 220 lb		
Rated torque	: 42.5 ft.lb				
Locked rotor torque	: 240 %				
Breakdown torque	: 250 %				
Insulation class	: H				
Service factor	: 1.07				
Moment of inertia (J)	: 1.29 sq.ft.lb				
Output	25%	50%	75% 100%		
Efficiency (%)	0.000	75.0	79.0 82.0		
Power Factor	0.00	0.78	0.86 0.90		
		Foundation loads			
		Max. traction	: 489 lb		
		Max. compression	: 710 lb		
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	: 6309 ZZ	6206 ZZ			
Sealing	: V'Ring	V'Ring			
Lubrication interval	: 0 h	0 h			
Lubricant amount	: 0 g	0 g			
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					
Checked by					
Date	28/03/2024				
				Page	Revision
				1 / 1	