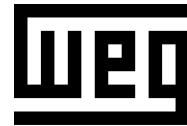


DATA SHEET

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%	Foundation loads	
Efficiency (%)	0.000	75.0	79.0	82.0	Max. traction : 489 lb	
Power Factor	0.00	0.78	0.86	0.90	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					Page	Revision
Checked by						
Date	28/03/2024				1 / 1	