

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11958351

Catalog # : 00112ET3P145T-W22

Frame : 143/5T  
Output : 1 HP (0.75 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 200 V  
Rated current : 3.98 A  
L. R. Amperes : 24.7 A  
LRC : 6.2x(Code K)  
No load current : 2.53 A  
Rated speed : 1160 rpm  
Slip : 3.33 %  
Rated torque : 4.53 ft.lb  
Locked rotor torque : 260 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.1595 sq.ft.lb  
Design : B

Locked rotor time : 50s (cold) 28s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 50.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 50.4 lb

Output	25%	50%	75%	100%
Efficiency (%)	76.0	77.0	82.0	82.5
Power Factor	0.26	0.45	0.57	0.66

Foundation loads

Max. traction : 93 lb  
Max. compression : 143 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)
20.0	16.7	16.9	12.6	9.2	7.6	5.8

	Drive end	Non drive end
Bearing type	6205 ZZ	6204 ZZ
Sealing	V'Ring	V'Ring
Lubrication interval	-	-
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 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		