

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: W21 NEMA Premium Efficiency Three-Phase		Product code :	10363745
Frame	: 145T	Locked rotor time	: 36s (cold) 20s (hot)	
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K	
Poles	: 2	Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz	Ambient temperature	: 40°C to +40°C	
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 4.37-3.95/1.98 A	Protection degree	: IP55	
L. R. Amperes	: 40.2-36.3/18.2 A	Cooling method	: IC418 - TEAO	
LRC	: 9.2x(Code L)	Mounting	: F-1	
No load current	: 1.40-1.63/0.813 A	Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 3495 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)	
Slip	: 2.92 %	Starting method	: Direct On Line	
Rated torque	: 2.25 ft.lb	Approx. weight <sup>3</sup>	: 43.1 lb	
Locked rotor torque	: 300 %			
Breakdown torque	: 400 %			
Insulation class	: F			
Service factor	: 1.25			
Moment of inertia (J)	: 0.0486 sq.ft.lb			
Design	: B			
Output	25%	50%	75%	100%
Efficiency (%)	81.1	83.4	81.5	81.5
	83.2	82.3	81.5	81.5
Power Factor	0.45	0.51	0.70	0.76
	0.46	0.43	0.72	0.69
		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.	
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