

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP  
NEMA Premium Efficiency Three-Phase  
Product code : 13469269  
Catalog # : 00712ET3E254JP-W22

Frame	: 254/6JP	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 21.0-19.0/9.48 A	Protection degree	: IP55
L. R. Amperes	: 143-129/64.5 A	Cooling method	: IC411 - TEFC
LRC	: 6.8x(Code H)	Mounting	: F-1
No load current	: 0.000-9.00/4.50 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1175 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)
Slip	: 2.08 %	Starting method	: Direct On Line
Rated torque	: 33.1 ft.lb	Approx. weight <sup>3</sup>	: 282 lb
Locked rotor torque	: 250 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	88.6	89.5	90.2	91.0	Max. traction : 334 lb
Power Factor	0.59	0.63	0.74	0.80	Max. compression : 617 lb

		Drive end	Non drive end
Bearing type	:	6309 C3	6209 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	9 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 1 / 1 Revision		
Checked by				
Date	22/01/2018			