

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JM High Efficiency Three-Phase

Product code : 15097598

Catalog # : 02530ET3V286JM-W22

Frame	: 284/6JM	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 66.2/33.1 A	Protection degree	: IP55
L. R. Amperes	: 450/225 A	Cooling method	: IC411 - TEFC
LRC	: 6.8x(Code G)	Mounting	: F-1
No load current	: 20.5/10.3 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 2935 rpm	Noise level <sup>2</sup>	: 67.0 dB(A)
Slip	: 2.17 %	Starting method	: Direct On Line
Rated torque	: 44.7 ft.lb	Approx. weight <sup>3</sup>	: 353 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.44 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	90.0	91.7	91.7	Max. traction	: 389 lb
Power Factor	0.00	0.77	0.85	0.88	Max. compression	: 742 lb

		Drive end	Non drive end
Bearing type	:	6311 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	17000 h	20000 h
Lubricant amount	:	18 g	11 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	29/03/2024			