

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Close Coupled Pump JP
NEMA Premium Efficiency Three-Phase
Product code : 13523073
Catalog # : 04036ET3E286JP-W22

Frame	: 284/6JP	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 40 HP (30 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 101-91.6/45.8 A	Protection degree	: IP55
L. R. Amperes	: 798-724/362 A	Cooling method	: IC411 - TEFC
LRC	: 7.9x(Code J)	Mounting	: F-1
No load current	: 21.3-24.4/12.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3535 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 1.81 %	Starting method	: Direct On Line
Rated torque	: 58.6 ft.lb	Approx. weight ³	: 439 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: A		
Design			

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	91.5	91.7	92.4	92.4	Max. traction : 547 lb
Power Factor	0.60	0.80	0.86	0.89	Max. compression : 986 lb

		Drive end	Non drive end
Bearing type	:	6311 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	14000 h	17000 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 Revision 1 / 1		
Checked by				
Date	22/01/2018			