

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13440213					
				Catalog # :	01036ET3E215JM-S					
Frame	:	213/5JM		Locked rotor time	: 21s (cold) 12s (hot)					
Output	:	10 HP (7.5 kW)		Temperature rise	: 80 K					
Poles	:	2		Duty cycle	: Cont.(S1)					
Frequency	:	60 Hz		Ambient temperature	: -20°C to +40°C					
Rated voltage	:	230/460 V		Altitude	: 1000 m.a.s.l.					
Rated current	:	23.0/11.5 A		Protection degree	: IP55					
L. R. Amperes	:	173/86.2 A		Cooling method	: IC411 - TEFC					
LRC	:	7.5x(Code H)		Mounting	: F-1					
No load current	:	7.53/3.77 A		Rotation ¹	: Both (CW and CCW)					
Rated speed	:	3530 rpm		Noise level ²	: 70.0 dB(A)					
Slip	:	1.94 %		Starting method	: Direct On Line					
Rated torque	:	14.9 ft.lb		Approx. weight ³	: 164 lb					
Locked rotor torque	:	260 %								
Breakdown torque	:	300 %								
Insulation class	:	F								
Service factor	:	1.15								
Moment of inertia (J)	:	0.7188 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	89.3	91.7	89.5	90.0	90.2	89.2	90.2	87.2	Max. traction	: 202 lb
	91.1	90.1	90.0	88.7						
Power Factor	0.53	0.59	0.80	0.85	0.88	0.90	0.91	0.92	Max. compression	: 366 lb
	0.53	0.80	0.88	0.88	0.91	0.91				
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>						
Sealing	:	6209 ZZ		6206 ZZ						
Lubrication interval	:	V'Ring		Without Bearing Seal						
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										
Checked by						Page	Revision			
Date	29/03/2024					1 / 1				