

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Rolled Steel JM Pump High Efficiency Three-Phase		Product code :	12676928					
				Catalog # :	00118OP3E143JM-S					
Frame	:	143/5JM		Locked rotor time	: 28s (cold) 16s (hot)					
Output	:	1 HP (0.75 kW)		Temperature rise	: 80 K					
Poles	:	4		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	:	3.26/1.63 A		Cooling method	: IC01 - ODP					
L. R. Amperes	:	24.1/12.1 A		Mounting	: F-1					
LRC	:	7.4x(Code L)		Rotation ¹	: Both (CW and CCW)					
No load current	:	2.37/1.18 A		Noise level ²	: 52.0 dB(A)					
Rated speed	:	1760 rpm		Starting method	: Direct On Line					
Slip	:	2.22 %		Approx. weight ³	: 32.8 lb					
Rated torque	:	2.98 ft.lb								
Locked rotor torque	:	280 %								
Breakdown torque	:	330 %								
Insulation class	:	F								
Service factor	:	1.15								
Moment of inertia (J)	:	0.0906 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	75.7	78.2	77.0	78.5	81.5	81.2	82.5	81.0	Max. traction	: 87 lb
	72.8		74.3		79.0		80.3			
Power Factor	0.25	0.30	0.46	0.54	0.60	0.69	0.70	0.78	Max. compression	: 119 lb
	0.25		0.46		0.60		0.70			
Bearing type	:	<u>Drive end</u> 6206 ZZ		<u>Non drive end</u> 6203 ZZ						
Sealing	:	Without Bearing Seal		Without Bearing Seal						
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.										
Rev.	Changes Summary			Performed	Checked	Date				
Performed by										
Checked by										
Date	29/03/2024				Page	Revision				
					1 / 1					