

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel JP Pump High Efficiency Three-Phase		Product code : 12725685		
		Catalog # : 02036OP3E254JP-S		
Frame	: 254/6JP		Locked rotor time	: 16s (cold) 9s (hot)
Output	: 20 HP (15 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	: 47.4/23.7 A		Cooling method	: IC01 - ODP
L. R. Amperes	: 284/142 A		Mounting	: F-1
LRC	: 6.0x(Code G)		Rotation ¹	: Both (CW and CCW)
No load current	: 18.2/9.12 A		Noise level ²	: 70.0 dB(A)
Rated speed	: 3520 rpm		Starting method	: Direct On Line
Slip	: 2.22 %		Approx. weight ³	: 182 lb
Rated torque	: 29.8 ft.lb			
Locked rotor torque	: 180 %			
Breakdown torque	: 240 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.6974 sq.ft.lb			
Design	: B			
Output	25%	50%	75%	100%
Efficiency (%)	87.7	91.4	88.5	89.3
	89.6	88.6	88.7	87.3
Power Factor	0.48	0.54	0.75	0.81
	0.44	0.72	0.84	0.88
			0.82	0.87
Foundation loads		Max. traction : 289 lb		
		Max. compression : 472 lb		
Bearing type	:	<u>Drive end</u>	<u>Non drive end</u>	
Sealing	:	6309 Z C3	6208 Z C3	
Lubrication interval	:	Without Bearing Seal	Without Bearing Seal	
Lubricant amount	:	20000 h	20000 h	
Lubricant type	:	13 g	8 g	
	:	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
Performed by				
Checked by			Page	Revision
Date	29/03/2024		1 / 1	