

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase		Product code :	13482986	
				Catalog # :	02036OT3H254JPV-S	
Frame	: 254/6JP		Locked rotor time	: 23s (cold) 13s (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	: 575 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 19.0 A		Cooling method	: IC01 - ODP		
L. R. Amperes	: 114 A		Mounting	: W-6		
LRC	: 6.0x(Code G)		Rotation <sup>1</sup>	: Both (CW and CCW)		
No load current	: 6.80 A		Noise level <sup>2</sup>	: 70.0 dB(A)		
Rated speed	: 3525 rpm		Starting method	: Direct On Line		
Slip	: 2.08 %		Approx. weight <sup>3</sup>	: 178 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)	: 0.7848 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.0	90.2	91.0	91.0	Max. traction : 254 lb	
Power Factor	0.49	0.76	0.83	0.87	Max. compression : 432 lb	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:		6309 Z C3	6208 Z C3		
Sealing	:		Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:		15797 h	20000 h		
Lubricant amount	:		13 g	8 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
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Checked by					Page	Revision
Date	29/03/2024				1 / 1	