

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :															
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12675412												
		Catalog # :	00212ET3H184T-S												
Frame	: 182/4T	Locked rotor time	: 79s (cold) 44s (hot)												
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K												
Poles	: 6	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	: 2.40 A	Protection degree	: IP55												
L. R. Amperes	: 18.0 A	Cooling method	: IC411 - TEFC												
LRC	: 7.5x(Code K)	Mounting	: F-1												
No load current	: 1.50 A	Rotation <sup>1</sup>	: Both (CW and CCW)												
Rated speed	: 1170 rpm	Noise level <sup>2</sup>	: 52.0 dB(A)												
Slip	: 2.50 %	Starting method	: Direct On Line												
Rated torque	: 8.98 ft.lb	Approx. weight <sup>3</sup>	: 79.2 lb												
Locked rotor torque	: 260 %														
Breakdown torque	: 370 %														
Insulation class	: F														
Service factor	: 1.15														
Moment of inertia (J)	: 0.3424 sq.ft.lb														
Design	: B														
Output	50%	75%	100%												
Efficiency (%)	84.0	86.5	88.5												
Power Factor	0.50	0.62	0.71												
Foundation loads															
		Max. traction	: 172 lb												
		Max. compression	: 252 lb												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; padding-bottom: 5px;">Drive end</td> <td style="width: 33%; text-align: center; padding-bottom: 5px;">Non drive end</td> </tr> <tr> <td>Bearing type : 6206 ZZ</td> <td>6205 ZZ</td> </tr> <tr> <td>Sealing : V'Ring</td> <td>Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval : -</td> <td>-</td> </tr> <tr> <td>Lubricant amount : -</td> <td>-</td> </tr> <tr> <td>Lubricant type : Mobil Polyrex EM</td> <td></td> </tr> </table>				Drive end	Non drive end	Bearing type : 6206 ZZ	6205 ZZ	Sealing : V'Ring	Without Bearing Seal	Lubrication interval : -	-	Lubricant amount : -	-	Lubricant type : Mobil Polyrex EM	
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Notes:															
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>													
Rev.	Changes Summary		Performed	Checked	Date										
Performed by				Page	Revision										
Checked by															
Date	27/03/2024			1 / 1											