

# DATA SHEET

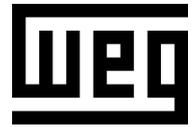


## Three Phase Induction Motor - Squirrel Cage

Customer :																																		
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 14112335																																
		Catalog # : 30036OT3G445TSC-RF																																
Frame	: 444/5TSC		Locked rotor time	: 28s (cold) 16s (hot)																														
Output	: 300 HP (220 kW)		Temperature rise	: 105 K																														
Poles	: 2		Duty cycle	: Cont.(S1)																														
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																														
Rated voltage	: 460 V		Altitude	: 1000 m.a.s.l.																														
Rated current	: 322 A		Protection degree	: IP23																														
L. R. Amperes	: 2029 A		Cooling method	: IC01 - ODP																														
LRC	: 6.3x(Code F)		Mounting	: F-1																														
No load current	: 81.0 A		Rotation <sup>1</sup>	: Both (CW and CCW)																														
Rated speed	: 3565 rpm		Noise level <sup>2</sup>	: 89.0 dB(A)																														
Slip	: 0.97 %		Starting method	: Direct On Line																														
Rated torque	: 442 ft.lb		Approx. weight <sup>3</sup>	: 1615 lb																														
Locked rotor torque	: 200 %																																	
Breakdown torque	: 260 %																																	
Insulation class	: F																																	
Service factor	: 1.15																																	
Moment of inertia (J)	: 33.5 sq.ft.lb																																	
Design	: B																																	
Output	25%	50%	75%	100%																														
Efficiency (%)	94.3	91.7	94.5	93.1																														
	95.4	94.4	95.4	95.8																														
	91.6	91.6	93.0	92.9																														
Power Factor	94.4	94.5	95.8	95.8																														
	93.5	93.5	94.1	94.1																														
	94.5	94.5	95.0	95.0																														
	93.5	94.1	94.5	95.0																														
	0.60	0.58	0.84	0.79																														
	0.89	0.86	0.90	0.88																														
	0.54	0.50	0.76	0.73																														
	0.84	0.82	0.87	0.86																														
	0.63	0.59	0.83	0.80																														
	0.87	0.86	0.88	0.87																														
	0.56	0.78	0.85	0.87																														
Foundation loads																																		
Max. traction			: 3158 lb																															
Max. compression			: 4773 lb																															
<table border="0"> <tr> <td></td> <td colspan="2" style="text-align: center;"><u>Drive end</u></td> <td colspan="2" style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type</td> <td colspan="2">: 6314 C3</td> <td colspan="2">: 6314 C3</td> </tr> <tr> <td>Sealing</td> <td colspan="2">: Without Bearing Seal</td> <td colspan="2">: Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval</td> <td colspan="2">: 14418 h</td> <td colspan="2">: 14418 h</td> </tr> <tr> <td>Lubricant amount</td> <td colspan="2">: 27 g</td> <td colspan="2">: 27 g</td> </tr> <tr> <td>Lubricant type</td> <td colspan="4">: Mobil Polyrex EM</td> </tr> </table>						<u>Drive end</u>		<u>Non drive end</u>		Bearing type	: 6314 C3		: 6314 C3		Sealing	: Without Bearing Seal		: Without Bearing Seal		Lubrication interval	: 14418 h		: 14418 h		Lubricant amount	: 27 g		: 27 g		Lubricant type	: Mobil Polyrex EM			
	<u>Drive end</u>		<u>Non drive end</u>																															
Bearing type	: 6314 C3		: 6314 C3																															
Sealing	: Without Bearing Seal		: Without Bearing Seal																															
Lubrication interval	: 14418 h		: 14418 h																															
Lubricant amount	: 27 g		: 27 g																															
Lubricant type	: Mobil Polyrex EM																																	
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																														
Performed by			Page	Revision																														
Checked by																																		
Date	26/03/2024																																	
			1 / 2																															

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

### Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	26/03/2024		2 / 2	