

# DATA SHEET

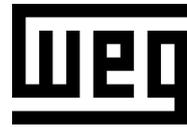
## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 IE2 Three-Phase	Product code : 14414748 Catalog # : E01136EP3Y160MF3-W22				
Frame : 160M Output : 11 kW (15 HP) Poles : 2 Frequency : 50 Hz Rated voltage : 380/660 V Rated current : 21.0/12.1 A L. R. Amperes : 147/84.6 A LRC : 7.0 No load current : 7.00/4.03 A Rated speed : 2940 rpm Slip : 2.00 % Rated torque : 26.4 ft.lb Locked rotor torque : 220 % Breakdown torque : 290 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 1.06 sq.ft.lb Design : N	Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3T Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 67.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 256 lb				
Output      25%      50%      75%      100% Efficiency (%)    88.8 88.5 89.0 88.7 89.4 89.4 89.4 89.4 88.1 87.7 88.3 88.0 89.4 90.2 89.4 90.2 Power Factor    0.52 0.49 0.78 0.74 0.86 0.84 0.89 0.88 0.45 0.45 0.71 0.72 0.82 0.82 0.87 0.87	Foundation loads Max. traction : 280 lb Max. compression : 536 lb				
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	11.6	11.6	11.6	10.6
	P2 (0,5;1,0)	9.8	9.8	9.8	9.0
	P3 (0,25;1,0)	8.7	8.7	8.7	7.9
	P4 (0,9;0,5)	5.7	5.7	5.7	5.2
	P5 (0,5;0,5)	3.7	3.7	3.7	3.4
	P6 (0,5;0,25)	2.4	2.4	2.4	2.2
	P7 (0,25;0,25)	1.5	1.5	1.5	1.4
Bearing type :	Drive end 6309 ZZ C3	Non drive end 6209 ZZ C3			
Sealing :	V'Ring	V'Ring			
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 IEC 60034-1.				
Rev.	Changes Summary	Performed	Checked	Date	
Performed by					
Checked by			Page	Revision	
Date	26/03/2024		1 / 2		

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## Three Phase Induction Motor - Squirrel Cage



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

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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