

# DATA SHEET

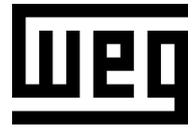


## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code : 14275906				
		Catalog # : 00218XT3E145TC				
Frame	: 143/5TC			Locked rotor time	: 19s (cold) 11s (hot)	
Output	: 2 HP (1.5 kW)			Temperature rise	: 80 K	
Poles	: 4			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	: 5.58/2.79 A			Protection degree	: IP55	
L. R. Amperes	: 49.7/24.8 A			Cooling method	: IC411 - TEFC	
LRC	: 8.9x(Code L)			Mounting	: F-1	
No load current	: 3.20/1.60 A			Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1750 rpm			Noise level <sup>2</sup>	: 51.0 dB(A)	
Slip	: 2.78 %			Starting method	: Direct On Line	
Rated torque	: 6.00 ft.lb			Approx. weight <sup>3</sup>	: 73.4 lb	
Locked rotor torque	: 270 %					
Breakdown torque	: 320 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1595 sq.ft.lb					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	84.0 84.0	85.5 84.0	86.5 82.5	Max. traction	: 133 lb	
	82.5 82.5	84.0 84.0	84.0 84.0			
Power Factor	0.56 0.64	0.70 0.77	0.78 0.84	Max. compression	: 208 lb	
	0.59 0.55	0.73 0.69	0.81 0.78			
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6205 2RS		6204 2RS		
Sealing	:	Oil Seal		Lip Seal		
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 NEMA MG-1.			
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Customer : \_\_\_\_\_

### Thermal protection

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

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