

DATA SHEET

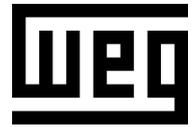


Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 12787890	
Catalog # :					
Frame	: 254/6TCZ		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 20 HP (15 kW)		Temperature rise	: 105 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	: 53.3/26.6 A		Protection degree	: IP55	
L. R. Amperes	: 458/229 A		Cooling method	: IC410 - TENV	
LRC	: 8.6x(Code L)		Mounting	: F-1	
No load current	: 29.5/14.8 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1775 rpm		Starting method	: VFD	
Slip	: 1.39 %		Approx. weight ³	: 366 lb	
Rated torque	: 59.2 ft.lb				
Locked rotor torque	: 360 %				
Breakdown torque	: 430 %				
Insulation class	: H				
Service factor	: 1.00				
Moment of inertia (J)	: 4.28 sq.ft.lb				
Design	: A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	91.8	93.0	93.0	
Power Factor	0.00	0.55	0.69	0.76	
Foundation loads					
Max. traction : 1037 lb					
Max. compression : 1403 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 C3	6309 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	13 g	13 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.		
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Thermal protection

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

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