

DATA SHEET

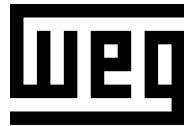
Three Phase Induction Motor - Squirrel Cage



Customer :									
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code :	15122183					
			Catalog # :	25009XT3G586/7					
Frame	: 586/7T	Locked rotor time	: 72s (cold) 40s (hot)						
Output	: 250 HP (185 kW)	Temperature rise	: 80 K						
Poles	: 8	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	: 299 A	Protection degree	: IP55						
L. R. Amperes	: 1854 A	Cooling method	: IC411 - TEFC						
LRC	: 6.2x(Code G)	Mounting	: F-1						
No load current	: 120 A	Rotation ¹	: Both (CW and CCW)						
Rated speed	: 895 rpm	Noise level ²	: 75.0 dB(A)						
Slip	: 0.56 %	Starting method	: Direct On Line						
Rated torque	: 1470 ft.lb	Approx. weight ³	: 4364 lb						
Locked rotor torque	: 140 %								
Breakdown torque	: 210 %								
Insulation class	: F								
Service factor	: 1.15								
Moment of inertia (J)	: 395 sq.ft.lb								
Design	: B								
Output	25%	50%	75%	100%					
Efficiency (%)	95.3	95.3	95.4	95.4					
	94.9	94.1	95.0	94.5					
Power Factor	0.41	0.41	0.66	0.66					
	0.37	0.34	0.62	0.58					
		Drive end	Non drive end						
Bearing type	:	6322 C3	6319 C3						
Sealing	:	Viton Oil Seal	Viton Seal						
Lubrication interval	:	11801 h	14016 h						
Lubricant amount	:	60 g	45 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.									
Rev.	Changes Summary			Performed					
				Checked					
Performed by									
Checked by									
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Customer :

Thermal protection

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

Rev.

Changes Summary

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Revision