

DATA SHEET

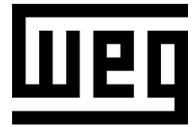
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: W21 Flameproof Motor NEMA Premium Efficiency Three-Phase		Product code : 11220257	
				Catalog # : 00212XT3E184T	
Frame	: 184T	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 131 lb		
Protection degree	: IP55	Moment of inertia (J)	: 0.5323 sq.ft.lb		
Design	: B				
Output [HP]	2	2	2	2	
Poles	6	6	6	6	
Frequency [Hz]	60	50	50	50	
Rated voltage [V]	208-230/460	380	400	415	
Rated current [A]	6.92-6.26/3.13	3.66	3.59	3.56	
L. R. Amperes [A]	48.5-43.8/21.9	22.0	24.1	25.3	
LRC [A]	7.0x(Code K)	6.0x(Code J)	6.7x(Code K)	7.1x(Code L)	
No load current [A]	3.62-4.20/2.10	2.22	2.38	2.50	
Rated speed [RPM]	1165	950	955	960	
Slip [%]	2.92	5.00	4.50	4.00	
Rated torque [ft.lb]	8.89	10.9	10.8	10.8	
Locked rotor torque [%]	260	229	280	310	
Breakdown torque [%]	330	220	250	280	
Service factor	1.15	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	63s (cold) 35s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	
Noise level ²	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)	
Efficiency (%)	25%	82.5	88.0	86.1	85.1
	50%	84.5	87.5	86.5	85.5
	75%	86.5	87.5	87.5	87.5
	100%	88.5	86.5	87.5	87.5
Power Factor	25%	0.26	0.29	0.27	0.25
	50%	0.47	0.53	0.49	0.46
	75%	0.58	0.65	0.62	0.59
	100%	0.68	0.72	0.69	0.67
Bearing type	: Drive end : 6307 2RS Non drive end : 6206 2RS	Foundation loads			
Sealing	: Oil Seal Lip Seal	Max. traction : 130 lb			
Lubrication interval	: - -	Max. compression : 261 lb			
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.			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	23/01/2018			1 / 2	

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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C
2	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	23/01/2018		2 / 2	