

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :									
Product line	: W22 Cooling Tower High Efficiency Three-Phase		Product code :	12180341					
			Catalog # :	10089EP3PCT444V-W22					
Frame	: 444/5T	Locked rotor time	: 32s (cold) 18s (hot)						
Output	: 100 HP (75 kW)	Temperature rise	: 80 K						
Poles	: 4	Duty cycle	: Cont.(S1)						
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C						
Rated voltage	: 200 V	Altitude	: 1000 m.a.s.l.						
Rated current	: 274 A	Protection degree	: IP55						
L. R. Amperes	: 2190 A	Cooling method	: IC411 - TEFC						
LRC	: 8.0x(Code J)	Mounting	: F-2						
No load current	: 89.7 A	Rotation ¹	: Both (CW and CCW)						
Rated speed	: 1785 rpm	Noise level ²	: 74.0 dB(A)						
Slip	: 0.83 %	Starting method	: Direct On Line						
Rated torque	: 294 ft.lb	Approx. weight ³	: 0.0 lb						
Locked rotor torque	: 240 %								
Breakdown torque	: 300 %								
Insulation class	: F								
Service factor	: 1.15								
Moment of inertia (J)	: 70.5 sq.ft.lb								
Output	25%	50%	75%	100%					
Efficiency (%)	89.8	86.5	91.0	87.5					
Power Factor	0.47	0.25	0.70	0.42					
	0.80	0.50	0.80	0.58					
Foundation loads									
	Max. traction		: 747 lb						
	Max. compression		: 747 lb						
Drive end									
Bearing type	: 6319 C3	Non drive end							
Sealing	: WSeal	6316 C3							
Lubrication interval	: 8000 h	WSeal							
Lubricant amount	: 45 g	10000 h							
Lubricant type	: Mobil Polyrex EM	34 g							
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				Date					
Checked by				Page					
Date	28/03/2024			Revision					
1 / 2									

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Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	28/03/2024			2 / 2	