

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																												
Product line	: W22 NEMA Premium Efficiency Three-Phase			Product code :	14385525																							
				Catalog # :	06012ET3H404T-W22G																							
Frame	: 404/5T	Locked rotor time	: 36s (cold) 20s (hot)																									
Output	: 60 HP (45 kW)	Temperature rise	: 80 K																									
Poles	: 6	Duty cycle	: Cont.(S1)																									
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																									
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.																									
Rated current	: 55.6 A	Protection degree	: IP55																									
L. R. Amperes	: 395 A	Cooling method	: IC411 - TEFC																									
LRC	: 7.1x(Code H)	Mounting	: F-1																									
No load current	: 20.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)																									
Rated speed	: 1185 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)																									
Slip	: 1.25 %	Starting method	: Direct On Line																									
Rated torque	: 266 ft.lb	Approx. weight <sup>3</sup>	: 1135 lb																									
Locked rotor torque	: 200 %																											
Breakdown torque	: 229 %																											
Insulation class	: F																											
Service factor	: 1.25																											
Moment of inertia (J)	: 36.9 sq.ft.lb																											
Design	: B																											
Output	25%	50%	75%	100%	Foundation loads																							
Efficiency (%)	94.0	94.1	94.5	94.5	Max. traction	: 1268 lb																						
Power Factor	0.48	0.74	0.82	0.86	Max. compression	: 2403 lb																						
Losses at normative operating points (speed;torque), in percentage of rated output power																												
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)																						
5.6	4.6	4.3	2.6	1.8	1.1	0.7																						
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