DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:							
Product line		: NEN Phas		m Efficiency	Three-	Product code : Catalog # :		2712316 07518ET3H365JM-W22	n
						Catalog # .		17 3 10E 13H303JIVI-VVZ2	
Frame Output Poles Frequency		: 75 l : 4	: 364/5JM : 75 HP (55 kW) : 4 : 60 Hz			d rotor time erature rise ycle nt temperature		: 25s (cold) 14s (hot) : 80 K : Cont.(S1) : -20°C to +40°C	
Rated voltage Rated current L. R. Amperes LRC		: 575 : 69.8 : 446 : 6.4)	3 A			tion degree g method		: 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1	
No load current Rated speed Slip		: 26.4 : 178 : 1.11	: 26.4 A : 1780 rpm : 1.11 %			on ¹ level ² g method		: Both (CW and CCW) : 67.0 dB(A) : Direct On Line	
Rated torque Locked rotor torque Breakdown torque Insulation class		: 221 : 240 : 260 : F	%		Approx	k. weight³		: 938 lb	
Service factor Moment of inerting Design	ia (J)	: 1.25 : 23.3 : B	5 3 sq.ft.lb						
Output	25%	50%	75%	100%	Foundat	ion loads			
Efficiency (%) 94.0 Power Factor 0.44		94.5 0.68	95.0 95.4 0.78 0.83		1110000	Max. traction Max. compression		: 1500 lb : 2438 lb	
Bearing type Sealing		:	63	e end 14 C3 Seal		Non drive 6 6314 C Lip Sea	3		
Lubrication interval Lubricant amount Lubricant type		: : :	12000 h 27 g		12000 h 27 g 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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



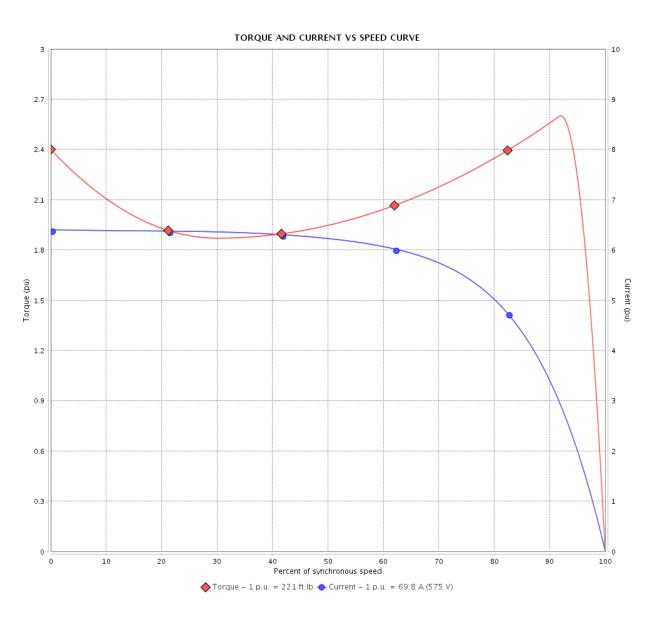
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 07518ET3H365JM-W22

12712316



Performance	: 575 V 60 Hz 4P			
Rated current	: 69.8 A	Moment of inertia (J)	: 23.3 sq.ft.lb	
LRC	: 6.4	Duty cycle	: Cont.(S1)	
Rated torque	: 221 ft.lb	Insulation class	: F	
Locked rotor torque	: 240 %	Service factor	: 1.25	
Breakdown torque	: 260 %	Temperature rise	: 80 K	
Rated speed	: 1780 rpm	Design	: B	
Locked rotor time	: 25s (cold) 14s (hot)	1		

Locked rotor time : 25s (cold) 14s (hot)

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LOAD PERFORMANCE CURVE

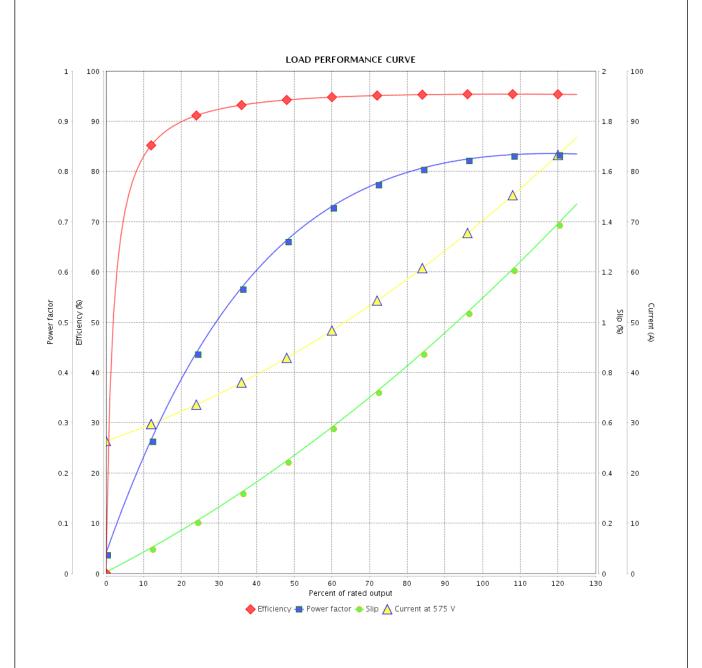
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12712316

Catalog #: 07518ET3H365JM-W22



Performance	Performance : 575 V 60 Hz 4P					
Rated current		9.8 A Moment of iner		of inertia (J) : 23.3 sq.ft.		
LRC		.4	Duty cycle	Duty cycle		
Rated torque	: 2	: 221 ft.lb		Insulation class		
Locked rotor tord	que : 2	40 %	Service fa	Service factor		
Breakdown torqu	ie : 2	: 260 %		Temperature rise		
Rated speed	: 1	780 rpm	Design	Design		
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



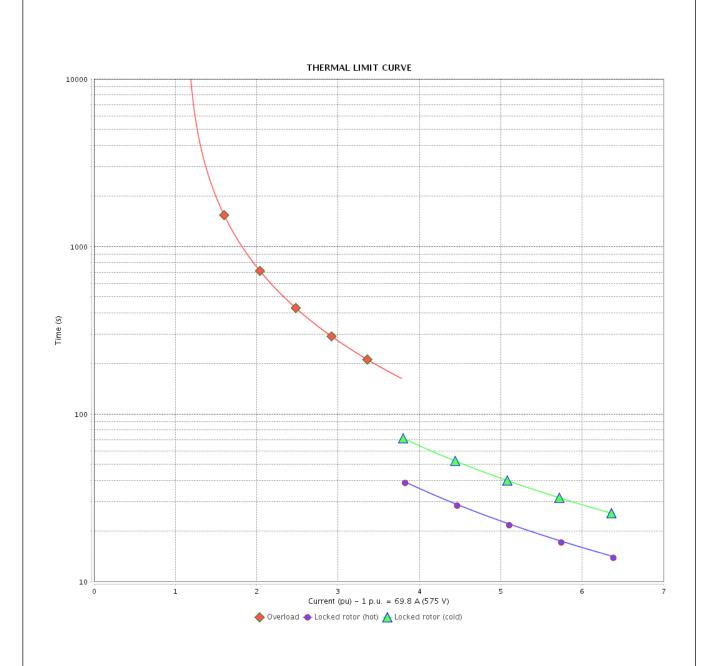
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Customer	:				
Product line	: NEMA Premium Efficienc	cy Three-	Product code :	12712316	
	Phase	•	Catalog # :		365JM-W22
Performance	: 575 V 60 Hz 4P				
Rated current	: 69.8 A	Moment	of inertia (J)	: 23.3 sq.ft.lb	
LRC Rated torque	: 6.4 : 221 ft.lb	Duty cyclinsulation		: Cont.(S1) : F	
Locked rotor torque	: 240 %	Service f	actor	: 1.25	
Breakdown torque	: 260 %	Tempera	ture rise	: 80 K	
Rated speed	: 1780 rpm	Design		: B	
Heating constant					
Cooling constant	Oh O		Do-f	Ohl I	D. f
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

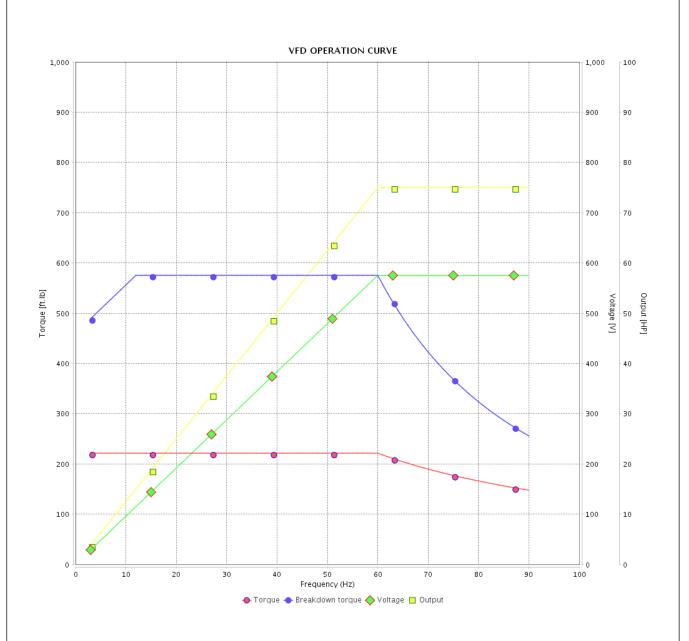
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12712316

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Performance	: 575 V 60 Hz 4P							
Rated current LRC	: 69.8 A : 6.4	Moment of inertia (J) Duty cycle		: 23.3 sq.ft.lb : Cont.(S1)				
Rated torque Locked rotor torque Breakdown torque	: 221 ft.lb : 240 % : 260 %	Insulation class Service factor Temperature rise		: F : 1.25 : 80 K				
Rated speed	: 1780 rpm	Design		: B				
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Date

