DATA SHEET

Three Phase Induction Motor - Squirrel Cage



							-	
Customer	:							
Product line		: NEN Phas		m Efficiency ⅂	Three- Product code : Catalog # :	12881319 00318OT3V182T-S		
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 4 : 60 I : 200 : 8.88 : 74.6 : 8.47 : 1.76 : 1.94 : 8.93 : 220 : 330 : F	P (2.2 kW) Hz 1/400 V 3/4.44 A 6/37.3 A K(Code K) 6/2.38 A 5 rpm 4 % 3 ft.lb 1 %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IC01 - ODP : F-1 : Both (CW and CCW) : 55.0 dB(A) : Direct On Line : 67.3 lb		
Output	25%	50%	75%	100%	Foundation loads		_	
Efficiency (%)	86.4	87.5	88.5	89.5	Max. traction	: 154 lb		
Power Factor	0.35	0.60	0.73	0.80	Max. compression	: 222 lb		
Bearing type		:	62	e end 06 ZZ	Non drive end 6205 ZZ			

Sealing Without Bearing Seal Without Bearing Seal Lubrication interval

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.

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



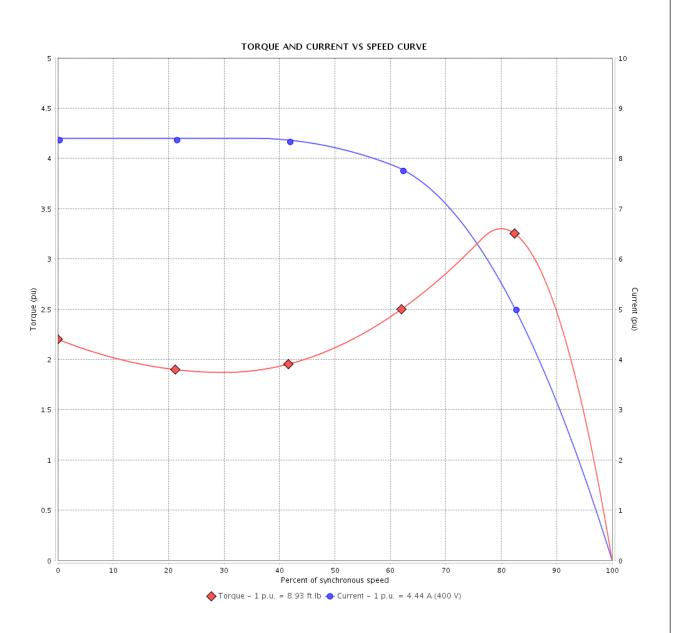
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 12881319

Catalog #: 00318OT3V182T-S



Performance : 200/400 V 60 Hz 4P Rated current : 8.88/4.44 A Moment of inertia (J) : 0.3092 sq.ft.lb **LRC** : 8.4 Duty cycle : Cont.(S1) : 8.93 ft.lb Insulation class Rated torque : F Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1765 rpm Design : B

Locked rotor time : 27s (cold) 15s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

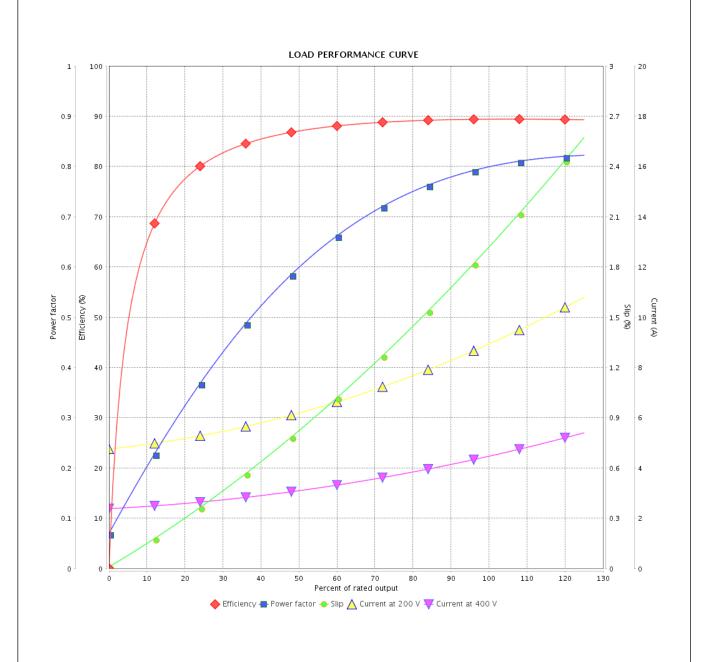


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12881319

Phase

Catalog #: 00318OT3V182T-S



Performance	: 2	: 200/400 V 60 Hz 4P						
Rated current	: 8	: 8.88/4.44 A Moment of		f inertia (J)	: 0.3092 sq.ft.l	b		
LRC	: 8	3.4	4 Duty cycle		: Cont.(S1)			
Rated torque	: 8	3.93 ft.lb	Insulation class		: F			
Locked rotor torque	e :2	220 %	Service factor		: 1.15			
Breakdown torque	: 3	330 %	Temperature rise		: 80 K			
Rated speed	: '	1765 rpm	Design		: B			
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



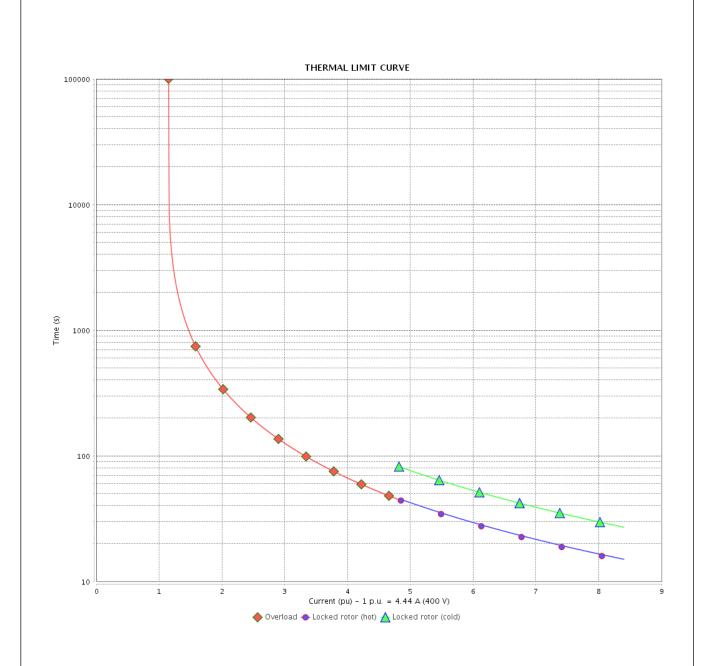
Customer	:					
Product line	1:	NEMA Premium Efficiency	Three-	Product code :	12881319	
	P	hase		Catalog # :	00318OT3V	182T-S
					000100100	1021-0
Performance	: 20	00/400 V 60 Hz 4P				
Rated current		.88/4.44 A	Moment o	f inertia (J)	: 0.3092 sq.ft.l	b
LRC Rated torque	: 8. : 8.	.4 .93 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torqu	ue : 22	20 %	Service fa	ctor	: 1.15	
Breakdown torque Rated speed		30 % 765 rpm	Temperatu Design	ure rise	: 80 K : B	
	. 17	. 00 ipini	Doolgii		. J	
Heating constant Cooling constant						
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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 :

Checked by

Date

13/04/2022

Product line : NEMA Premium Efficiency Three- Product code :

Phase

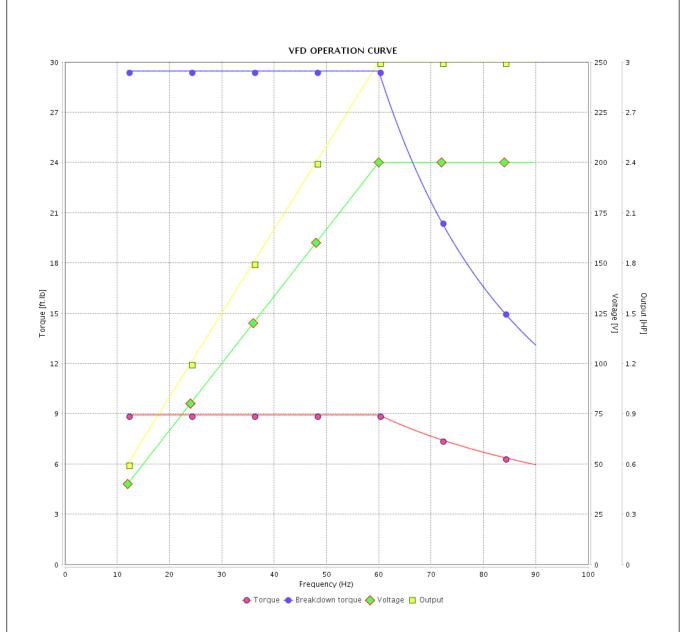
12881319

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Revision





Performance	: 200/4	00 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 8.4 : 8.93 f ue : 220 % e : 330 %	: 8.4 : 8.93 ft.lb : 220 % : 330 %		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		lb
Rev. Changes Summary		1	Performed	Checked	Date	
Performed by						

