DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		:			
Product line		: NEMA P Phase	remium Efficienc	y Three- Product code : Catalog #:	11611535 00518ET3H184T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torqu Insulation class Service factor Moment of inertial	e	: 182/4T : 5 HP (3.7 : 4 : 60 Hz : 575 V : 5.16 A : 38.7 A : 7.5x(Coo : 2.56 A : 1755 rpn : 2.50 % : 15.0 ft.lb : 229 % : 320 % : F : 1.25 : 0.4003 s : B	de J) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree 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. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 56.0 dB(A) : Direct On Line : 99.0 lb
Output	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	88.5 0.62	89.5 0.74	89.5 0.80	Max. traction Max. compression	: 256 lb : 355 lb
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end 6207 ZZ V'Ring - -	Non drive e 6206 ZZ V'Ring - - - Mobil Polyrex EM	7

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	12/04/2022			1/6	

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



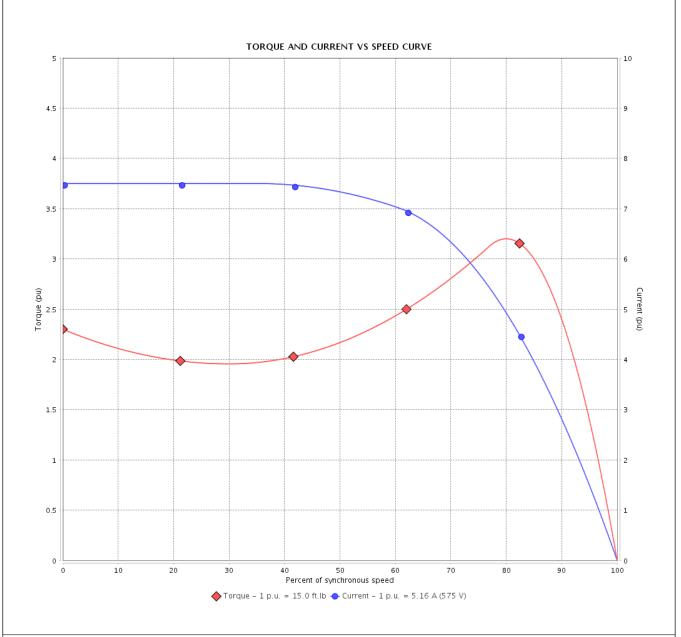
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11611535

Catalog #: 00518ET3H184T-W22



Performance : 575 V 60 Hz 4P Rated current : 5.16 A Moment of inertia (J) : 0.4003 sq.ft.lb **LRC** : 7.5 Duty cycle : Cont.(S1) Insulation class Rated torque : 15.0 ft.lb : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 1755 rpm Design : B

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

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			2/6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



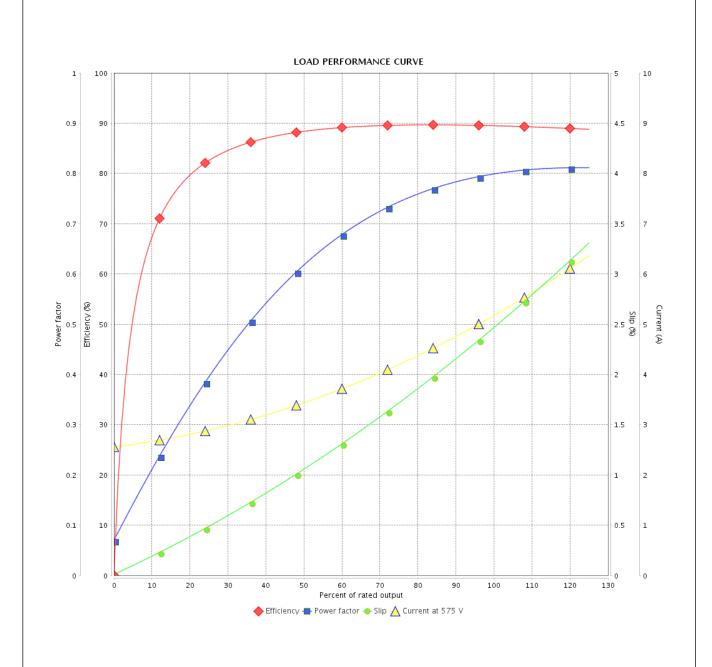
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11611535

Phase

Catalog #: 00518ET3H184T-W22

3/6



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.16 A : 7.5 : 15.0 ft.lb : 229 % : 320 % : 1755 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4003 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary	Peri	formed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



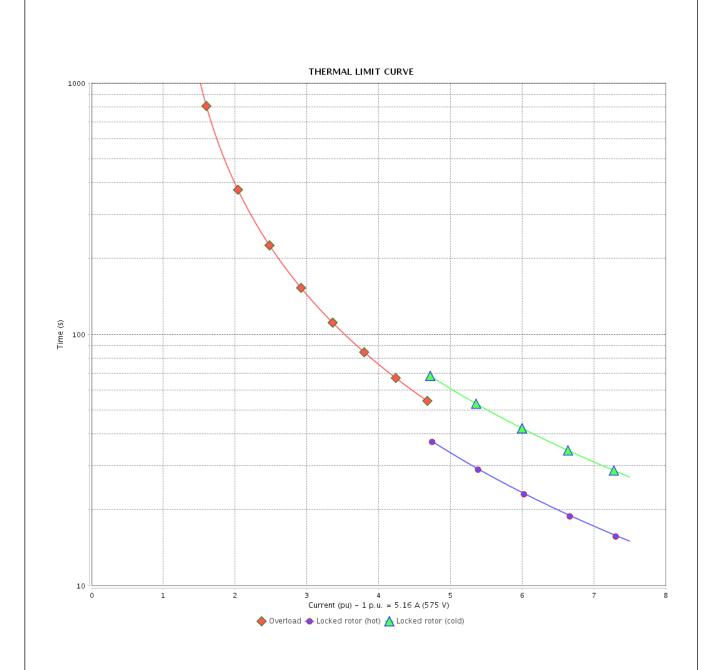
Customer		:				
Product line		: NEMA Premium Efficiency	Three-	Product code :	11611535	
1 Toddot IIITO		Phase				
				Catalog # :	00518ET3H	184T-W22
Performance Rated current LRC Rated torque Locked rotor toro Breakdown torque Rated speed	: : : : : : : : :	575 V 60 Hz 4P 5.16 A 7.5 15.0 ft.lb 229 % 320 % 1755 rpm	Moment of Duty cycle Insulation Service far Temperation Design	class ictor	: 0.4003 sq.ft. : Cont.(S1) : F : 1.25 : 80 K : B	lb
Heating constant						
Cooling constant						
Rev.		Changes Summary	ı	Performed	Checked	Date
Performed by Checked by					Page	Revision
Date	12/04/2022				4 / 6	1/2/1910[]

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	12/04/2022			5/6	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

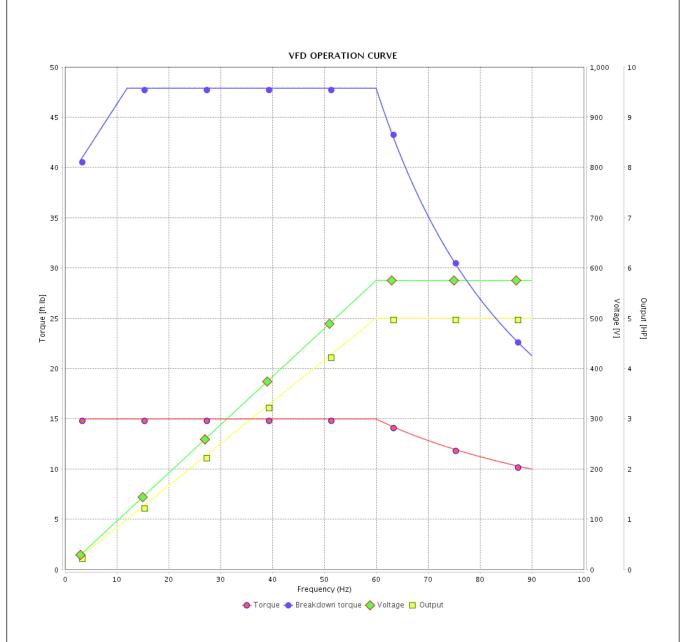
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11611535

Catalog #: 00518ET3H184T-W22

6/6



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.16 A : 7.5 : 15.0 ft.lb : 229 % : 320 % : 1755 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4003 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

12/04/2022

Date

