marathon®

General Purpose Motors

Model No: 447TTFCD6039
Catalog No: GT1155A

General Purpose Motor, 200 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 447T Frame, TEFC

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Product Information Packet: Model No: 447TTFCD6039, Catalog No: GT1155A General Purpose Motor, 200 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 447T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**200 Hp**
Output KW	**149.0 kW**	Voltage	**575 V**
Speed	**1790 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**447T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**96.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**175.0 A**
Power Factor	**88.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6319**
Opp Drive End Bearing Size	**6317**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

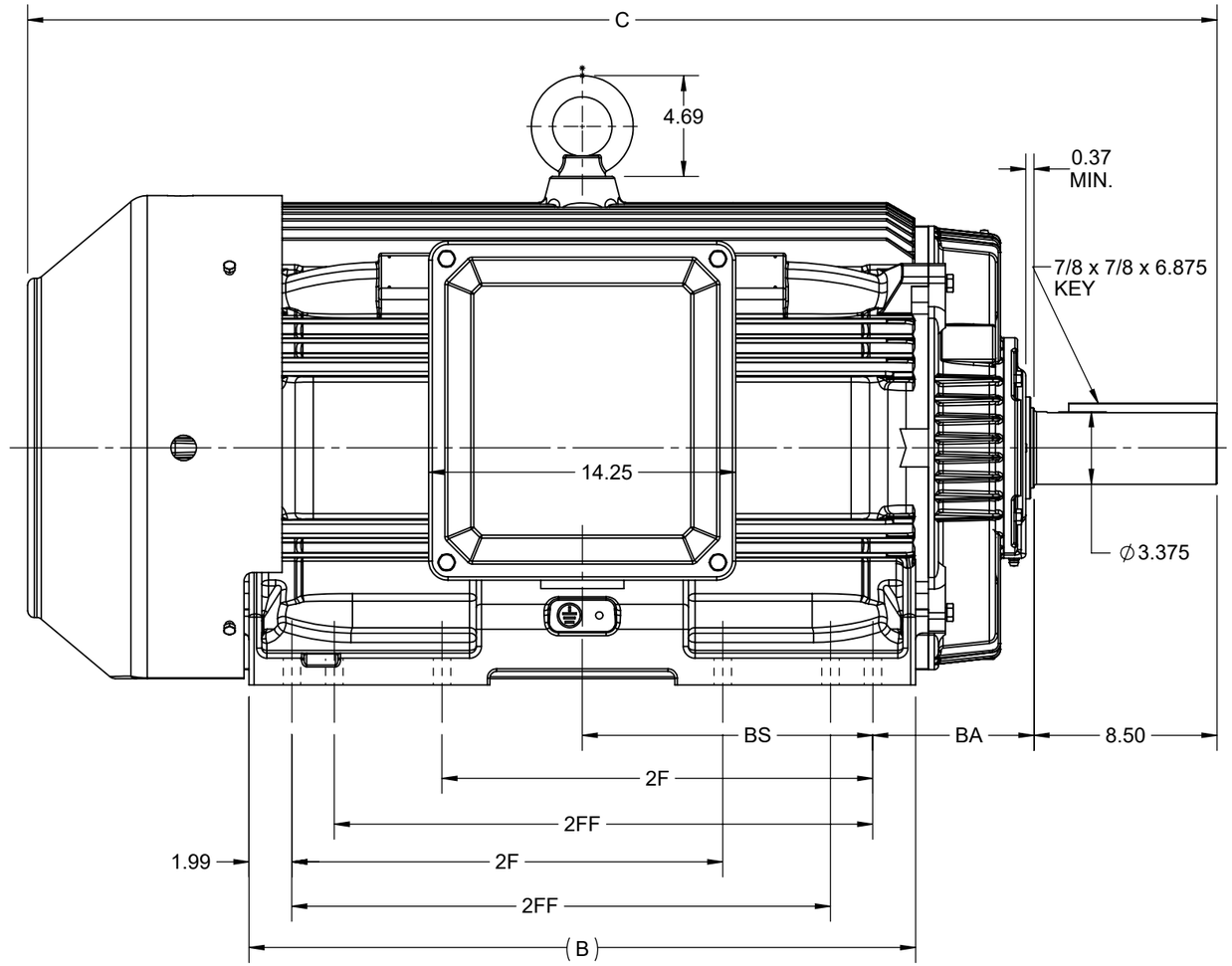
Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0184 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**55.21 in**
Frame Length	**32.12 in**	Shaft Diameter	**3.375 in**
Shaft Extension	**8.5 in**	Assembly/Box Mounting	**F1/F2 Capable**

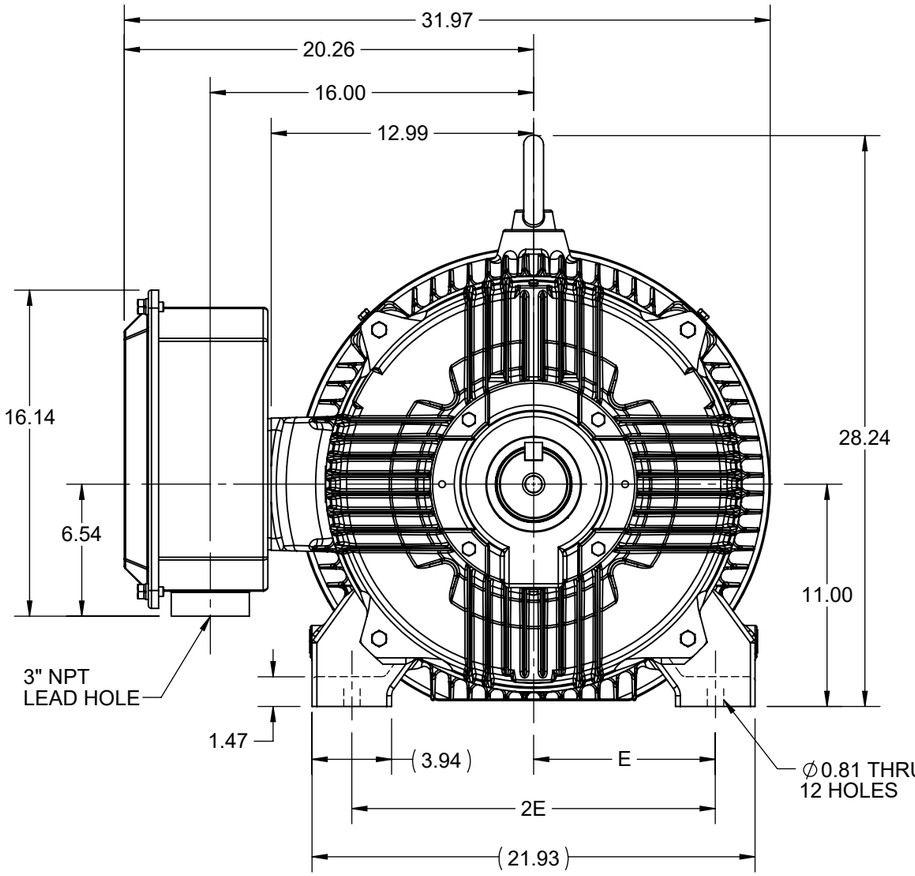
Drawings

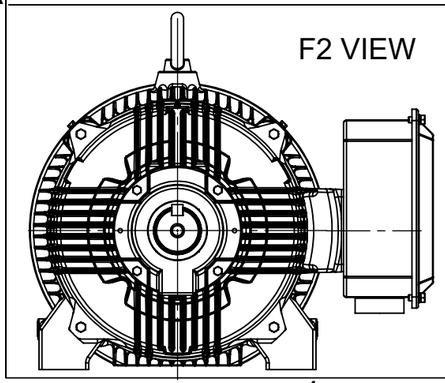
Connection Drawing	**EE7300**	Outline Drawing	**SS557013**

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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
30.94	55.21	9.00	18.00	20.00	25.00	7.50	13.48	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	09/02/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	09/02/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DRAWN BY	NIV
DATE	23/05/2016
APPROVED BY	SBD
DATE	23/05/2016
REFERENCE	

marathon™

DESCRIPTION
OUTLINE
447/449T FR-TEFC

MATERIAL | PROCESS/FINISH

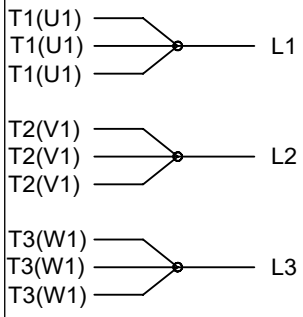
THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS557013	1 OF 1

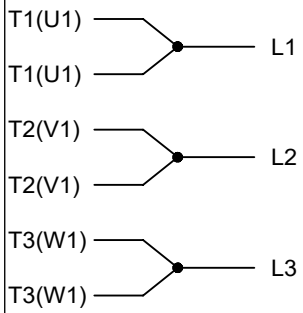
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

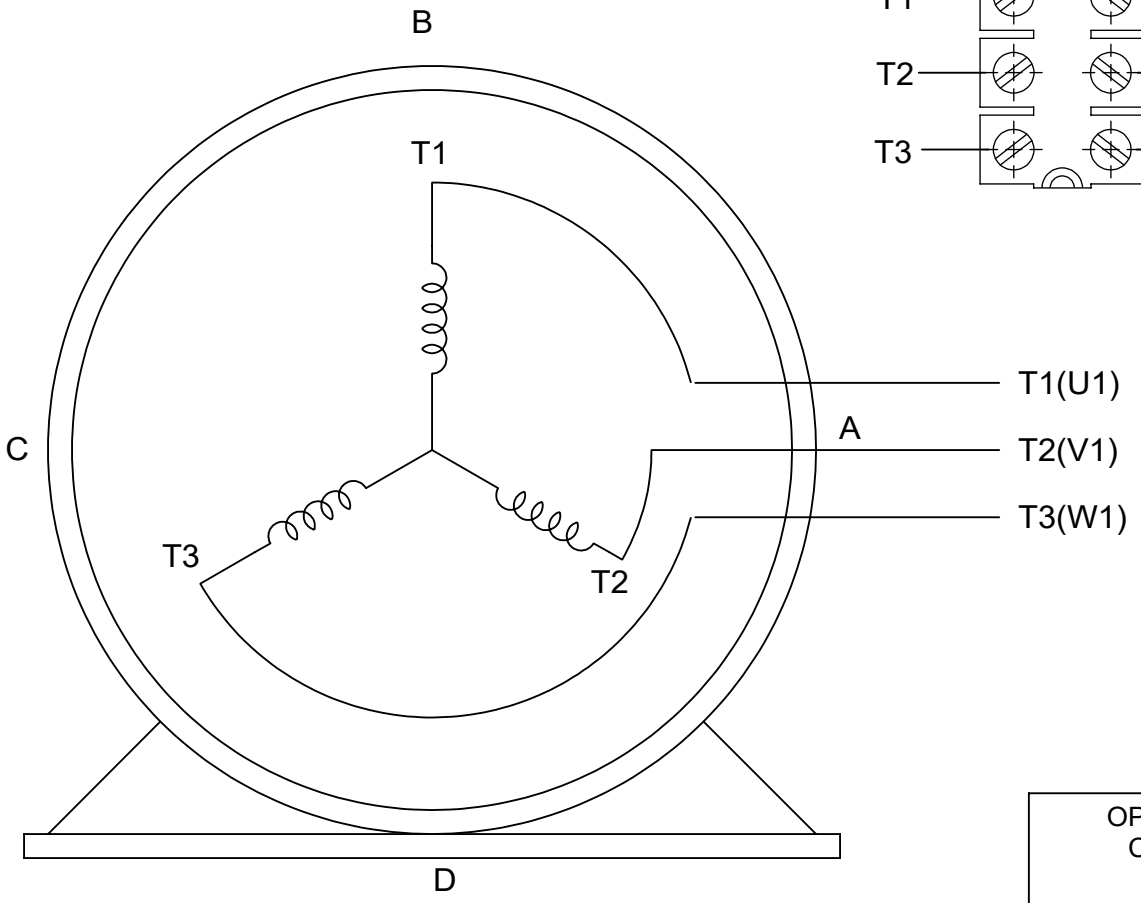
IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL



VIEW OF TERMINAL END

TERMINAL BLOCK WHEN SPECIFIED

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AD	REVISION BY: SB	REV DATE/© DATE: 08/01/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025

REQUEST NUMBER DESCRIPTION
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DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

Data Sheet

Date: 5/3/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

447TTFCD6039

Submittal

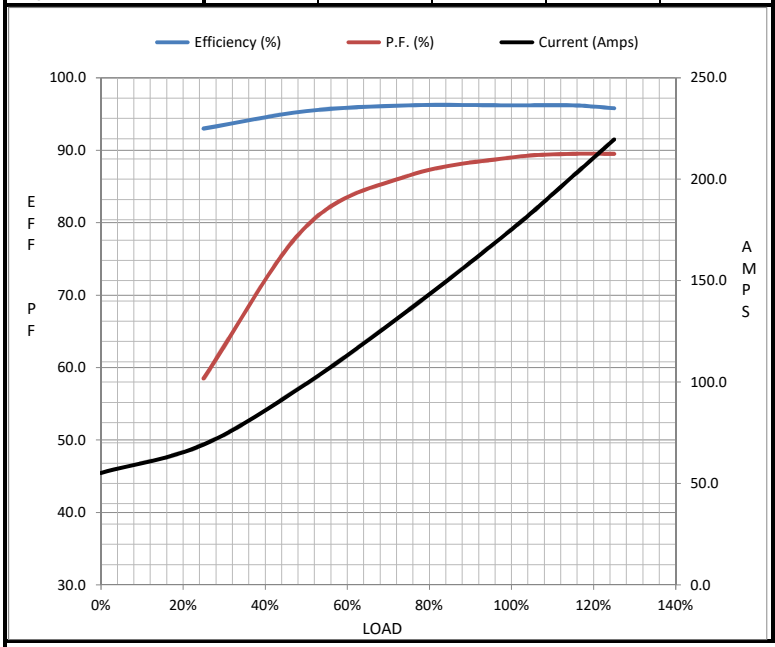
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	55.2	69.2	99.2	136	175	202	220	1,160	
Torque (ft-lb)	0.00	146	293	440	587	676	735	1,256	
RPM	1800	1798	1795	1792	1790	1,788	1788	0	
Efficiency (%)		93.0	95.4	96.2	96.2	96.2	95.8		
P.F. (%)	4.5	58.5	79.5	86.5	89.0	89.5	89.5	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1750	1790	1800
Current (Amps)	1,160	928	652	175	55.2
Torque (ft-lb)	1,256	1,050	1,656	587	0.00

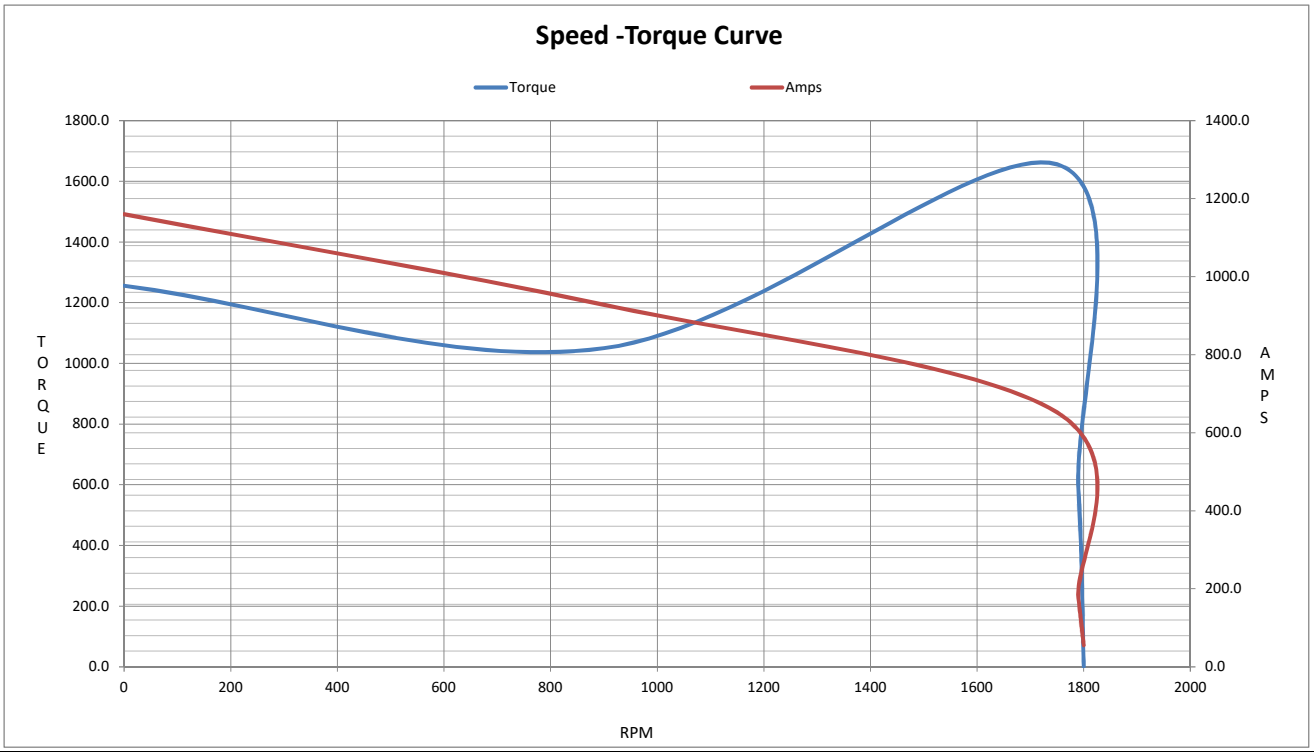


Information Block

HP	200.0	
Sync. RPM	1800	
Frame	449182TTFC6080	
Enclosure	TEFC	
Construction	TFC	
Voltage	575	V
Frequency	60	Hz
Design	A	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	60	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	88.0	Lb-Ft²
Ref Wdg	HE32804009 NONE	
Sound Pressure @ 1M	80	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS557013	
Conn. Diag	EE7300	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0180	0.0110	0.1260	0.2880	5.9910



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P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7300
OUTLINE: SS557013
WINDING: HE32804009 NONE 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 447TTFCD6039
CAT #: GT1155A
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
200	149	1800	1790	447T	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	175	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	96.2	3/4 LD EFF	96.2	1/2 LD EFF	95.4	GTD EFF	ELECT. TYPE
F.L. PF	89.0	3/4 LD PF	86.5	1/2 LD PF	79.5	95.8	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
587 LB-FT	1,160	1,256 LB-FT	214%	1,656 LB-FT	282%	60	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
80 dBA	89 dBA	88.0 LB-FT²	0 LB-FT²	25 SEC.	0	2675 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	DIVISION 2 T2B	NO	NONE	BLUE - MARATHON

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6319	BALL 6317	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.018	0.011	0.126	0.288	5.991	0.080	ODE

*
NOTES
*

INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

PREPARED BY: FAREEDA DUDEKULA
DATE: 5/3/2018

FORM: 3531 REV_4 2/27/06

UL: NO LETTER - ME,WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 UL L