marathon®

General Purpose Motors

Model No: 444TSTFCD6038
Catalog No: GT1264

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444TSC Frame, TEFC

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Product Information Packet: Model No: 444TSTFCD6038, Catalog No: GT1264 General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444TSC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 & 100 Hp**
Output KW	**93.0 & 75.0 kW**	Voltage	**460 & 380 V**
Speed	**1790 & 1490 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**444TSC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 & 95.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**140 & 136 A**
Power Factor	**87.5**	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

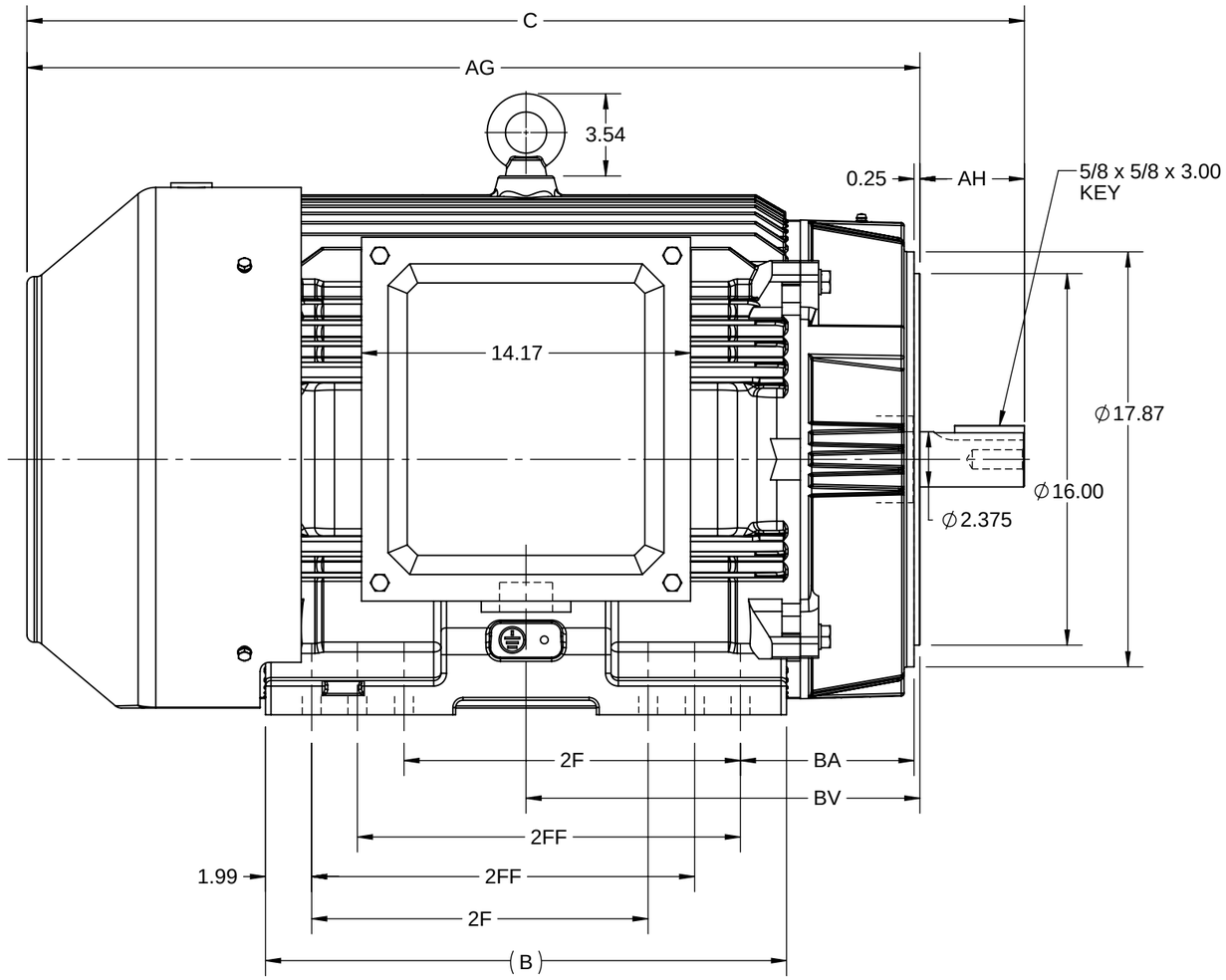
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0374 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Shaft Diameter	**2.375 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 10:1/Variable 20:1**

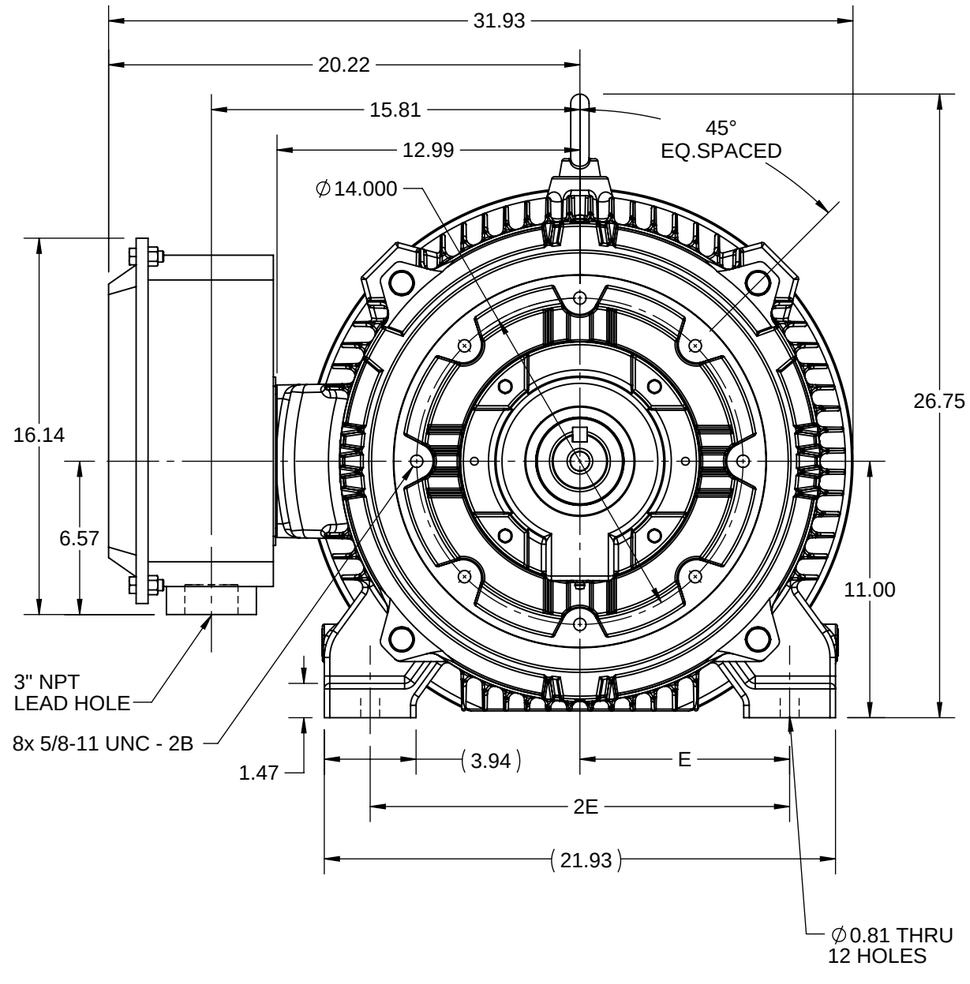
Drawings

Connection Drawing	**EE7341C**	Outline Drawing	**SS621129**

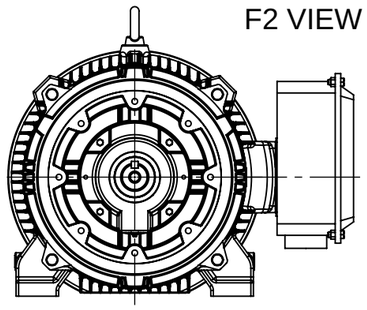
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B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING
22.44	42.96	9.00	18.00	14.50	16.50	38.46	4.50	7.50	9.23	F1 OR F2





F2 VIEW



DRAWING REVISION: B	REVISION BY: SKB	REV DATE/© DATE: 05/26/2026
REQUEST NUMBER: CR-0026396	APPROVED BY: RMS	DATE: 05/26/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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DRAWN BY: VS	marathon™	
DATE: 27-01-2021		
APPROVED BY: GNK	DESCRIPTION: OUTLINE 444/445TSC FR-TEFC	
DATE: 27-01-2021		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS621129	SHEET: 1 OF 1

Uncontrolled Copy

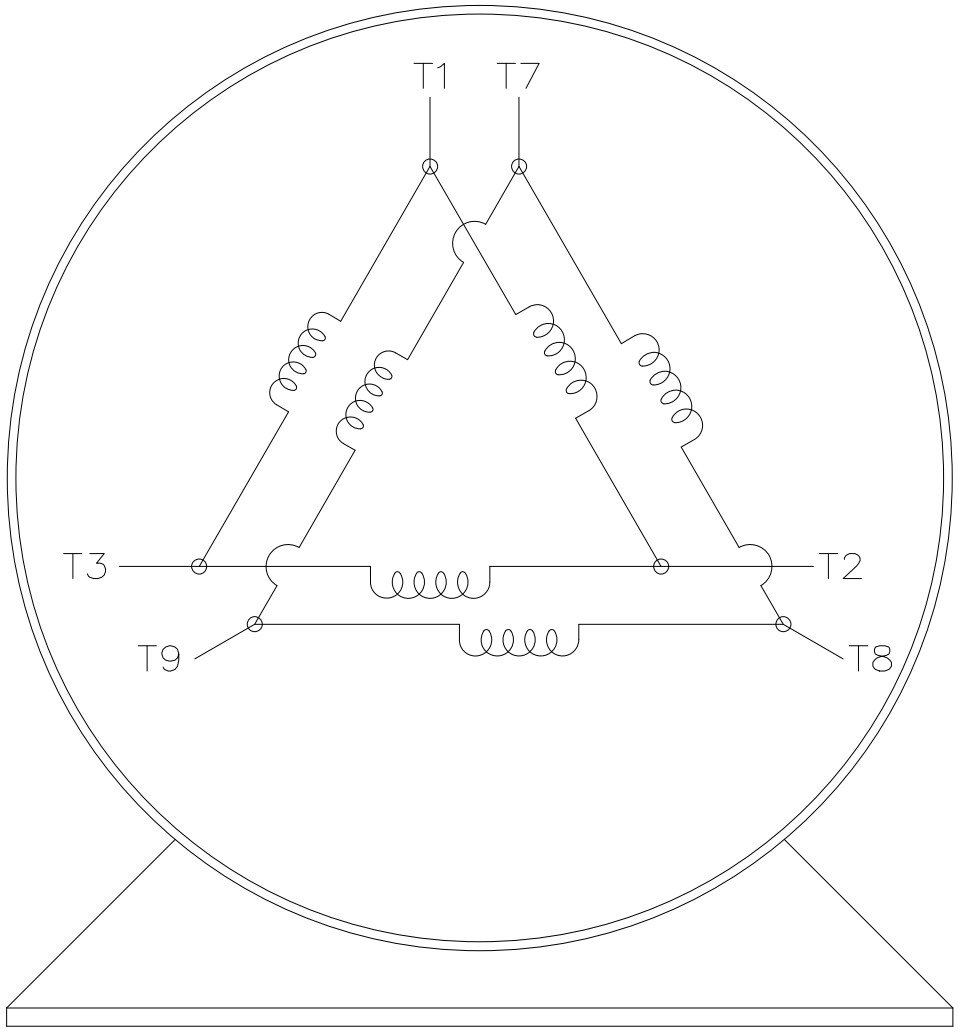
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7–T8–T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7–T8,T8–T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

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

REQUEST NUMBER DESCRIPTION
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DRAWN BY	BLR
DATE	03/09/1998
APPROVED BY	GK
DATE	03/23/1998
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø – 6 LEADS

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7341C	1 OF 1

Data Sheet

Date: 8/30/2021

Customer:

Attention:

Submitted by:

marathon® Motors

444TSTFCD6038

Submittal

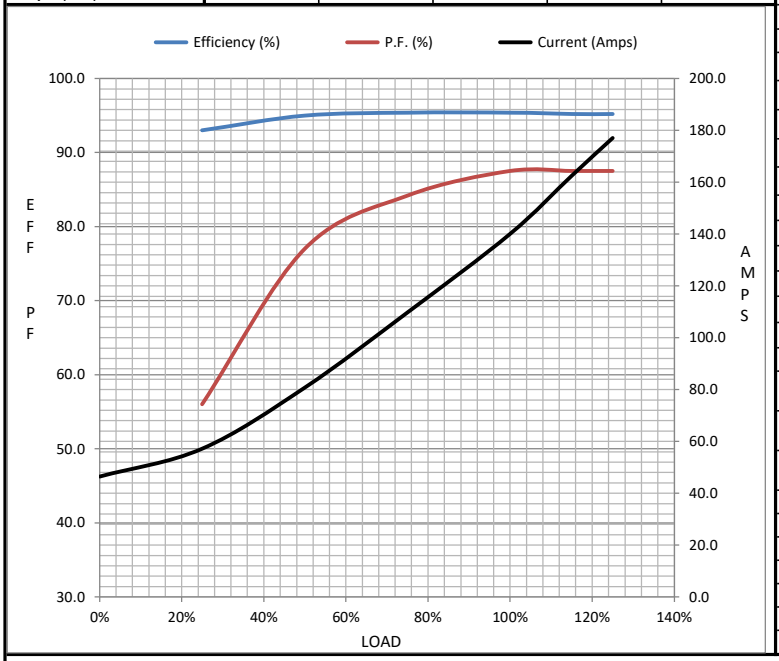
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	46.5	57.2	80.8	110	140	163	177	905	
Torque (ft-lb)	0.00	91.5	183	275	367	423	460	679	
RPM	1800	1796	1794	1792	1790	1,788	1786	0	
Efficiency (%)		93.0	95.0	95.4	95.4	95.2	95.2		
P.F. (%)	5.0	56.0	77.0	84.2	87.5	87.5	87.5	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1755	1790	1800
Current (Amps)	905	720	510	140	46.5
Torque (ft-lb)	679	570	991	367	0.00



Information Block

HP	125.0	
Sync. RPM	1800	
Frame	444	
Enclosure	TEFC	
Construction	TFC	
Voltage	460#380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	60.0	Lb-Ft²
Ref Wdg	HA32804010 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	CONSTANT 10:1/VARIABLE 20:1	
Outline Dwg	SS621129	
Conn. Diag	EE7341C	

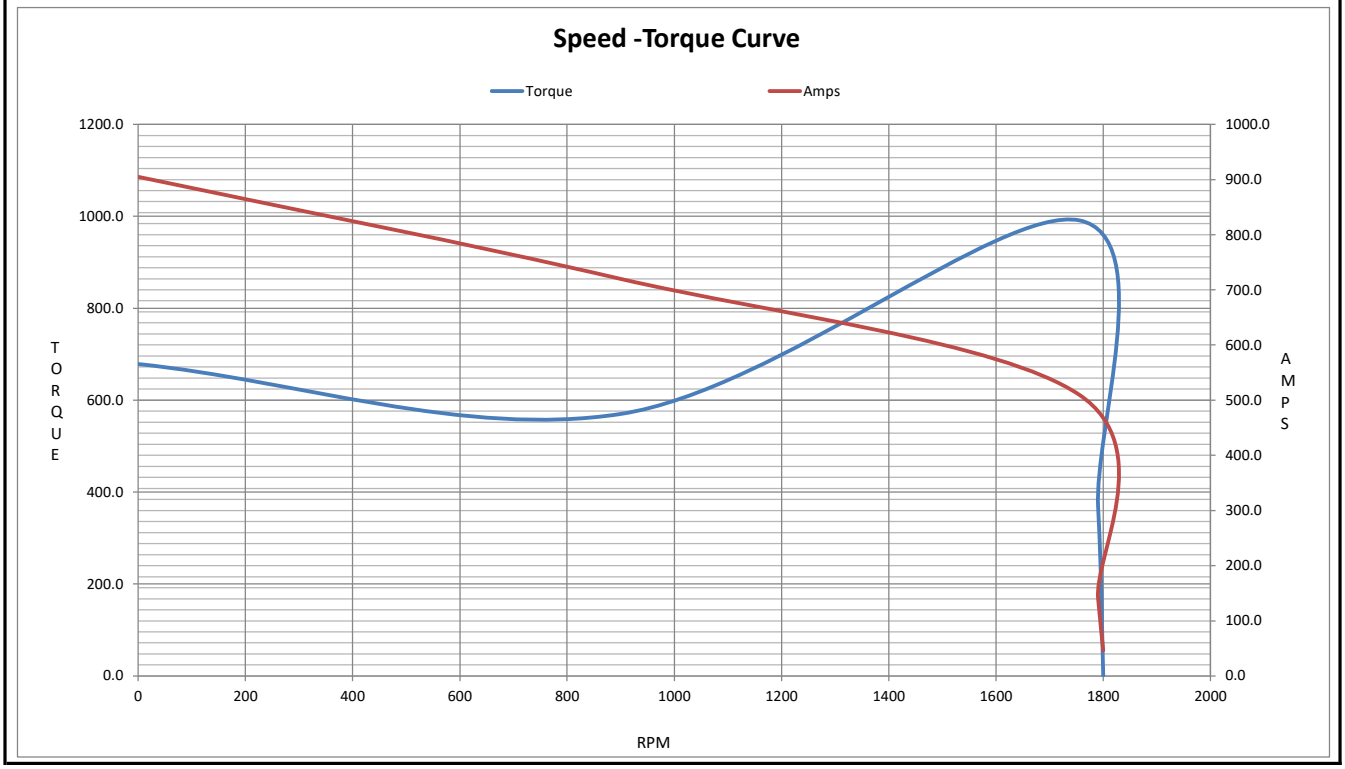
Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0230	0.0110	0.1520	0.2790	5.7890



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

marathon® Motors

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7341C
OUTLINE: SS621129
WINDING: HA32804010 NONE 1
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 444TSTFCD6038
CAT #: GT1264
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
125	93	1800	1790	444TSC	TEFC	TFC	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380	140&136	PWS OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	95.4	3/4 LD EFF	95.4	1/2 LD EFF	95.0	GTD EFF	ELECT. TYPE
F.L. PF	87.5	3/4 LD PF	84.2	1/2 LD PF	77.0	95.0	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
367 LB-FT	905	679 LB-FT 185%	991 LB-FT 270%	55	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX. MOTOR WGT
75 dBA	84 dBA	60.0 LB-FT²	750 LB-FT²	25 SEC.	2	1720 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	DIVISION 2 T2B	YES	NONE	BLUE (ENAMEL)

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

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
0.023	0.011	0.152	0.279	5.789	0.150	ODE

* NOTES *

INVERTER TORQUE: CONSTANT 10:1/VARIABLE 20:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

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

PREPARED BY:
DATE: 8/30/2021

FORM: 3531 REV_4 2/27/06

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