marathon®

Close-Coupled Pump Motors

Model No: 215TTDBD6016
Catalog No: GT4221

Close-Coupled Pump Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 215JMV Frame, DP

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Product Information Packet: Model No: 215TTDBD6016, Catalog No: GT4221 Close-Coupled Pump Motor, 15 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 215JMV Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**15 Hp**
Output KW	**11.2 kW**	Voltage	**575 V**
Speed	**3515 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**215JMV**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**90.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**14.4 A**
Power Factor	**85.8**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

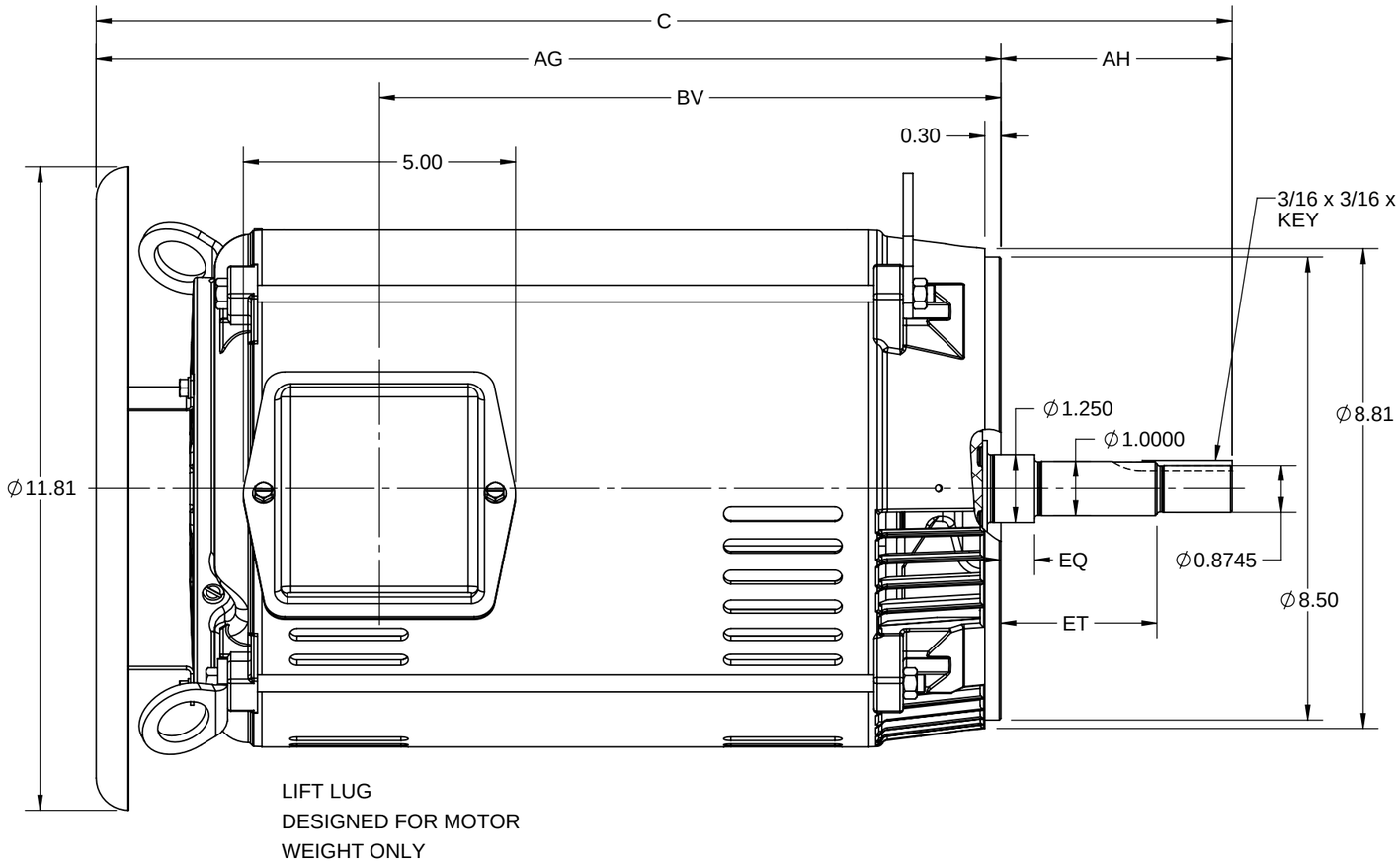
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.97 O**	Mounting	**Round**
Motor Orientation	**Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Shaft Diameter	**1.000 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

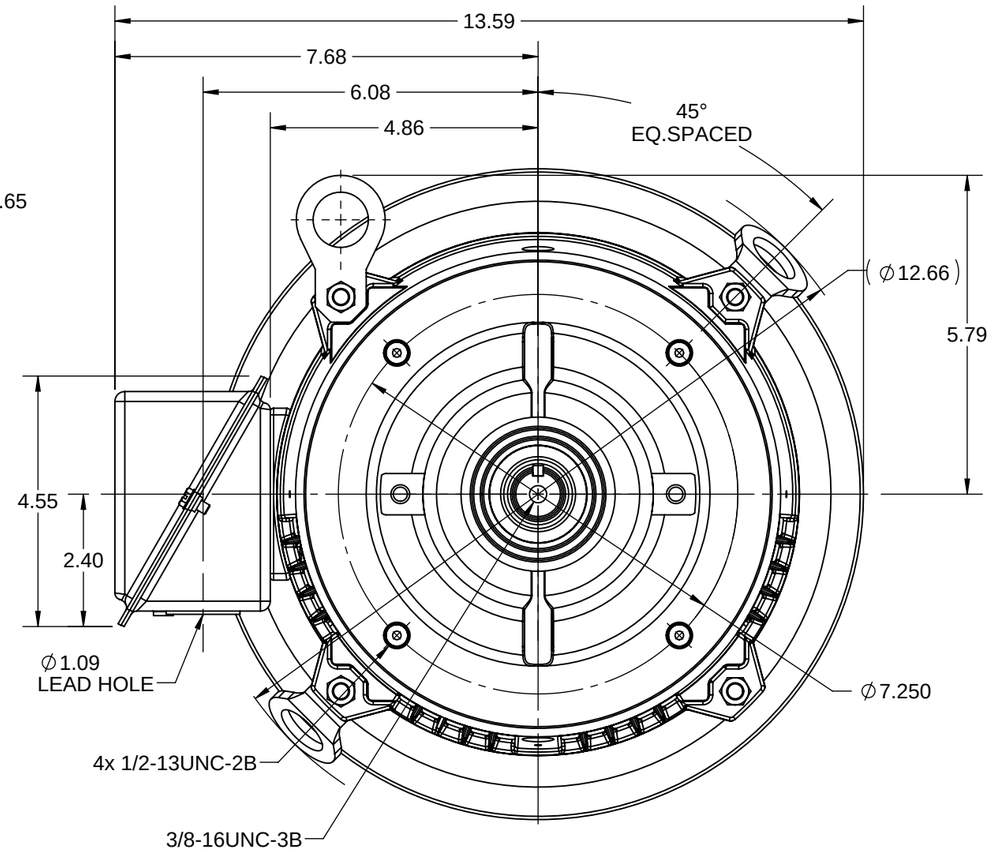
Drawings

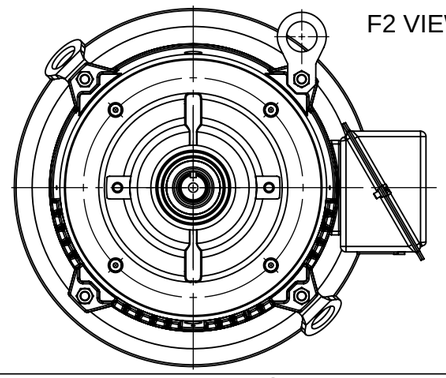
Connection Drawing	**EE7300**	Outline Drawing	**SS621145**

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C	AG	AH	BV	EQ	ET	MOUNTING
20.87	16.62	4.25	11.42	0.62	2.87	F1 OR F2







DRAWING REVISION: H	REVISION BY: SB	REV DATE/© DATE: 05/27/2026
REQUEST NUMBER: CR-0026396	APPROVED BY: RMS	DATE: 05/27/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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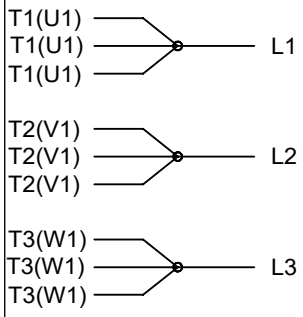
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: VS	marathon™	
DATE: 30-03-2021		
APPROVED BY: MSH	DESCRIPTION: OUTLINE 213/215JM FR NEMA FOOTLESS ODP RS DRIP COVER	
DATE: 30-03-2021		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS621145	SHEET: 1 OF 1

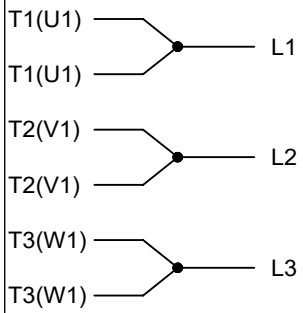
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

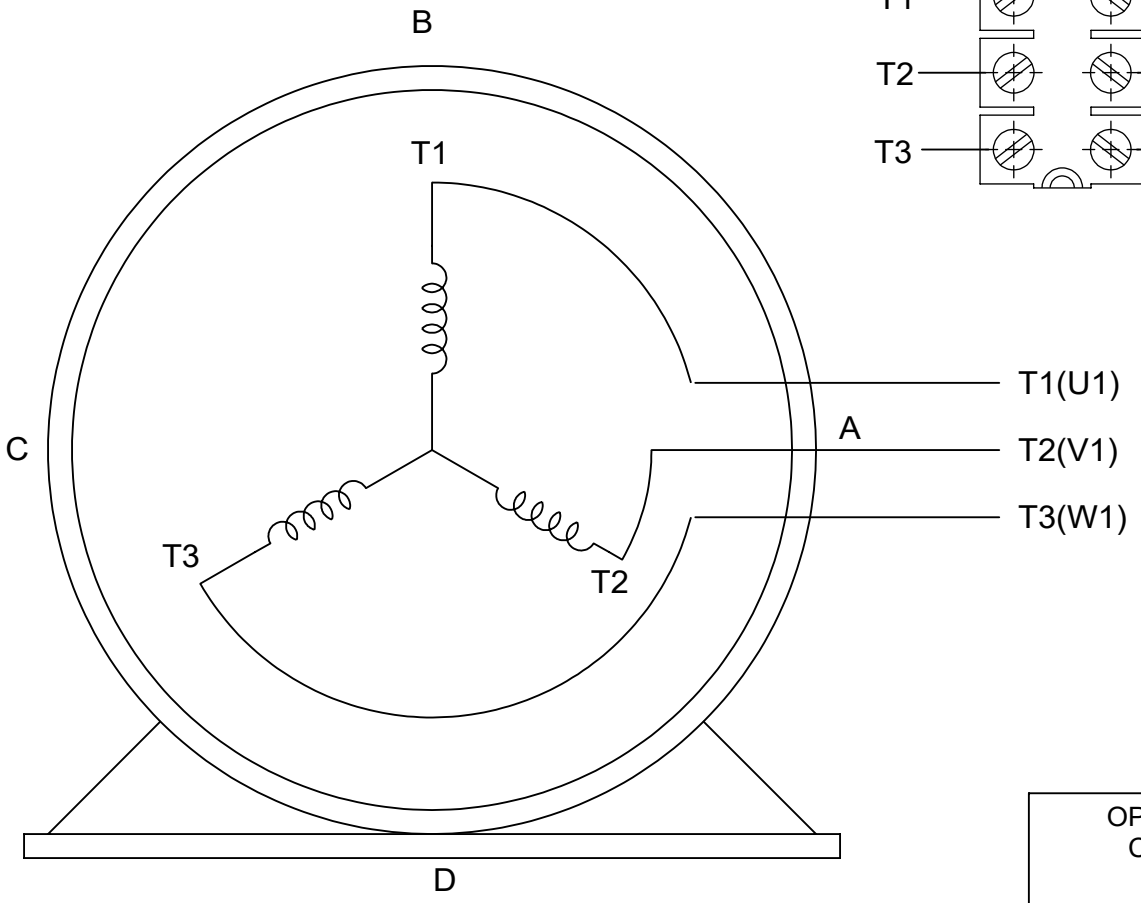
IF MOTOR HAS
9 LEADS



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
DRAWING TITLE BLOCK UPDATED

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mm DIMENSIONS IN [BRACKETS]
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DRAWN BY: DA	
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: 8/27/2021
Customer:
Attention:
Submitted by:

marathon® Motors

215TTDBD6016

Submittal

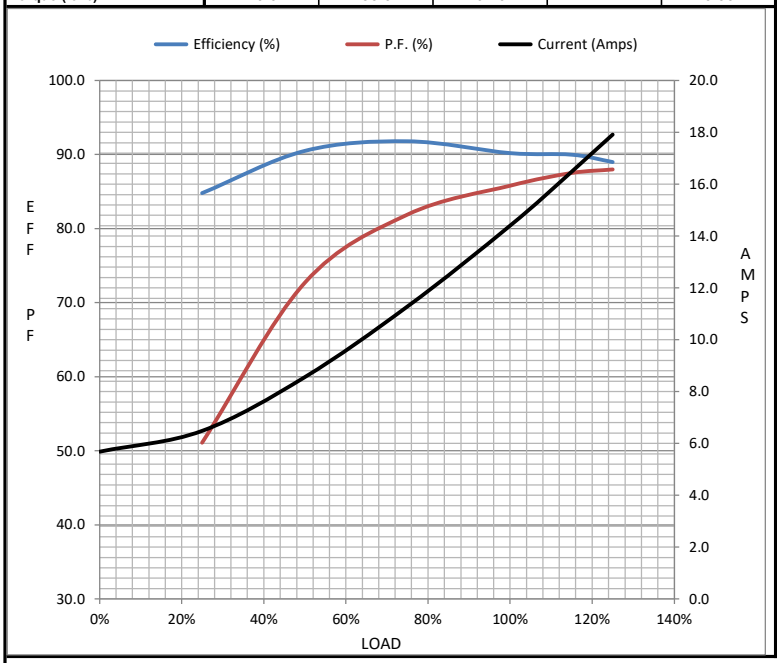
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.7	6.5	8.6	11.3	14.4	16.5	17.9	84.0	
Torque (ft-lb)	0.00	5.5	11.1	16.8	22.4	26.0	28.2	40.0	
RPM	3600	3580	3560	3538	3515	3,498	3488	0	
Efficiency (%)		84.8	90.5	91.8	90.2	90.0	89.0		
P.F. (%)	11.5	51.1	72.7	81.9	85.8	87.5	88.0	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3085	3515	3600
Current (Amps)	84.0	76.0	51.2	14.4	5.7
Torque (ft-lb)	40.0	33.0	62.0	22.4	0.00



Information Block

HP	15.0	
Sync. RPM	3600	
Frame	215	
Enclosure	DP	
Construction	TDB	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.60	Lb-Ft²
Ref Wdg	HA31322017 NONE	
Sound Pressure @ 1M	60	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 10:1	
Outline Dwg	SS621145	
Conn. Diag	EE7300	

Additional Specifications:

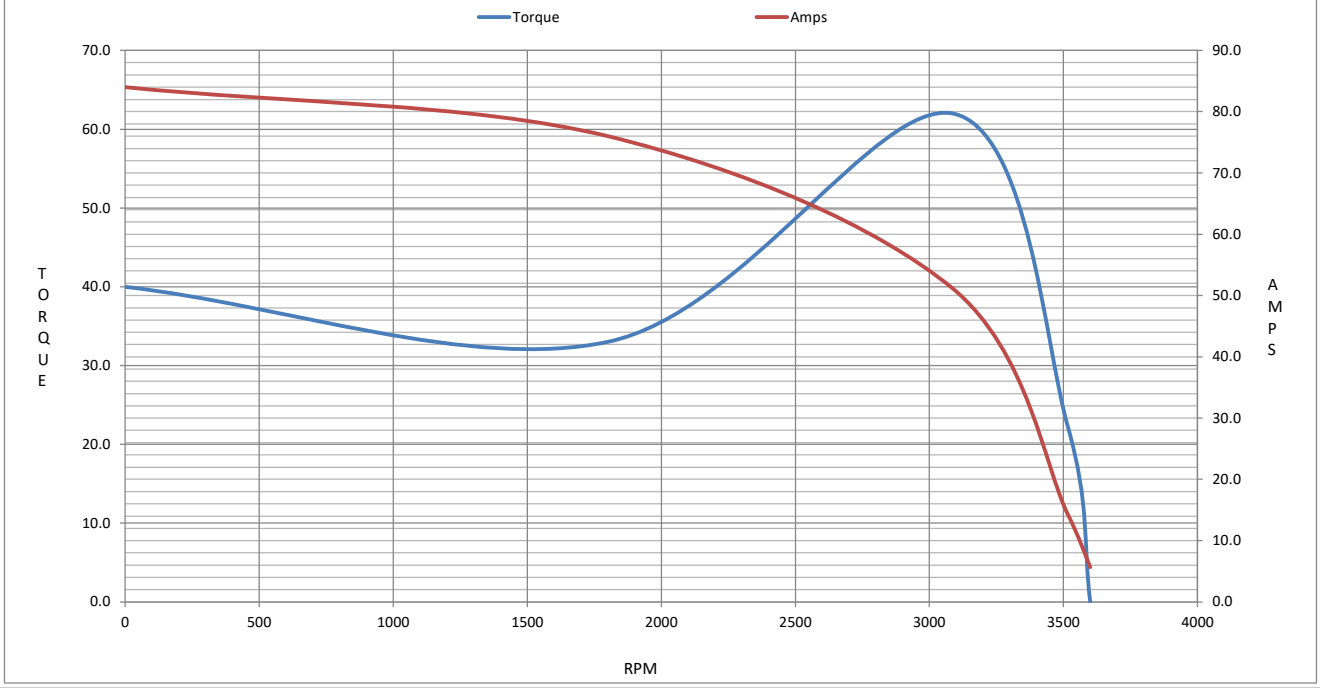
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EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.9150	0.5610	2.5100	1.5650	61.8680

Speed -Torque Curve



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

marathon® Motors

DATA VOLTS: 575

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7300
OUTLINE: SS621145
WINDING: HA31322017 NONE 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 215TTDBD6016
CAT #: GT4221
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	3600	3515	215JMV	DP	TDB	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	14.4	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	90.2	3/4 LD EFF	91.8	1/2 LD EFF	90.5	GTD EFF	ELECT. TYPE
F.L. PF	85.8	3/4 LD PF	81.9	1/2 LD PF	72.7	89.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
22.4 LB-FT	84.0	40.0 LB-FT 179%	62.0 LB-FT 277%	50	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.	MOTOR WGT
60 dBA	69 dBA	0.60 LB-FT²	18 LB-FT²	10 SEC.	2	125	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6309	6206						

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
1.4296875	0.8765625	3.921875	2.4453125	96.66875	0.150	ODE

*
NOTES
*

INVERTER TORQUE: CONSTANT 2:1/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:
DATE: 8/27/2021

FORM: 3531 REV_4 2/27/06

UL: V - LI,ME-INS,CONST UL REC