PRODUCT INFORMATION PACKET

Model No: 404TSTDCD6001
Catalog No: GT0048A
General Purpose Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 404TS Frame, DP

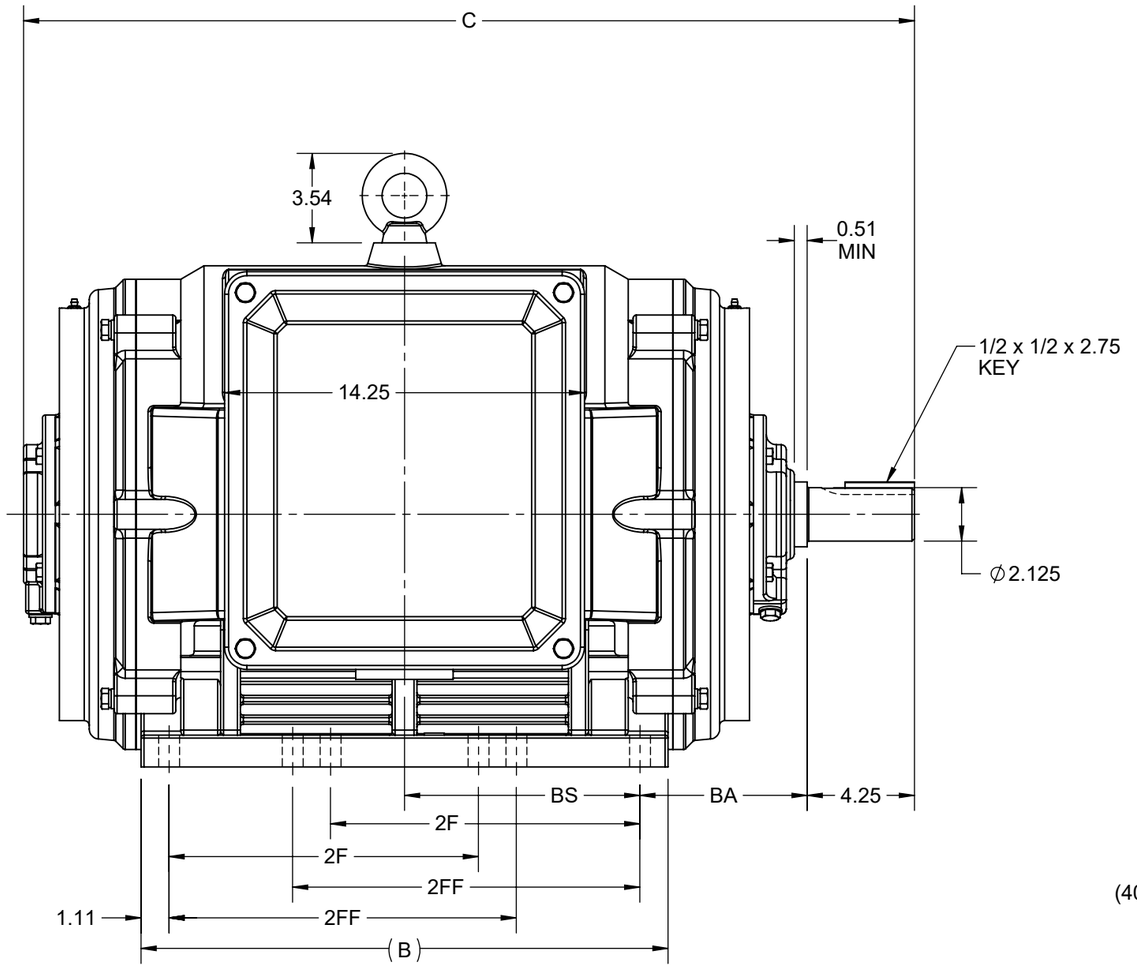
Nameplate Specifications

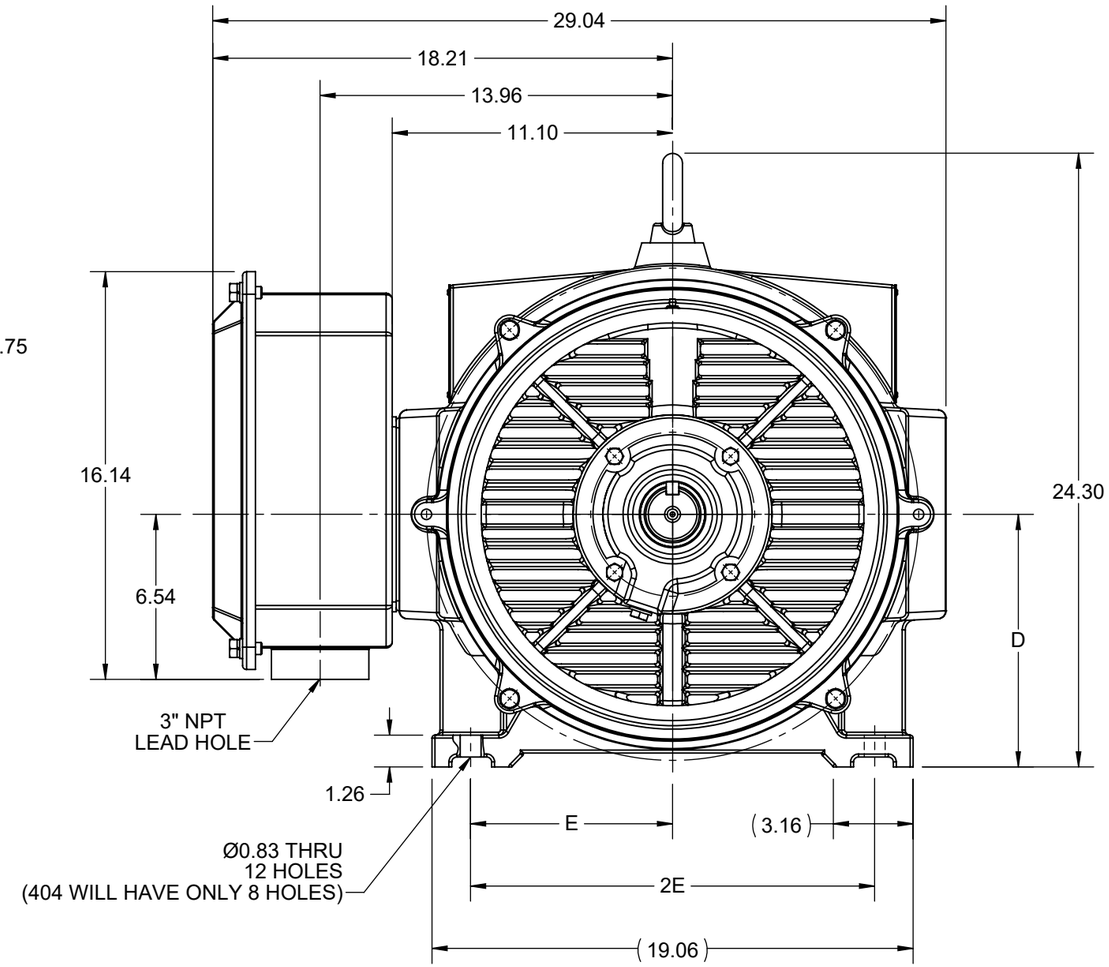
Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	139.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	89.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	404TS	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

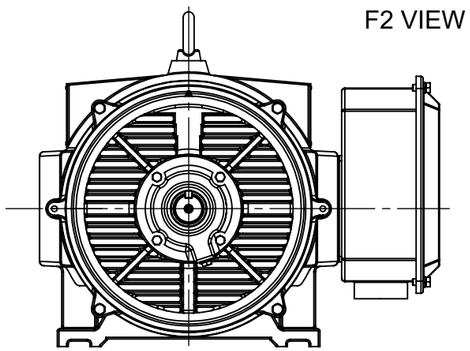
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.053 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	33.86 in
Shaft Diameter	2.125 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Connection Drawing	EE7341C	Outline Drawing	SS620752-100

DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	19.29	33.70	10.00	8.00	16.00	---	12.25	6.62	8.54	F1 OR F2	404TS
200	20.87	35.27				12.25	13.75		9.32		404/405TS





F2 VIEW



DRAWING REVISION: C	REVISION BY: GOPI J	REV DATE/© DATE: 09/02/2022
REQUEST NUMBER: CR-0006851	APPROVED BY: SBD	DATE: 09/02/2022
REQUEST NUMBER DESCRIPTION: VIEWS UPDATED AS PER 3D		

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

DRAWN BY: WY	Regal Rexnord	Regal Beloit America, Inc.	
DATE: 21/07/2016	DESCRIPTION: OUTLINE 404/405TS FR NEMA ODP CAST IRON		
APPROVED BY			
DATE			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE: B	DRAWING NUMBER: SS620752	SHEET: 1 OF 1

EE7341C

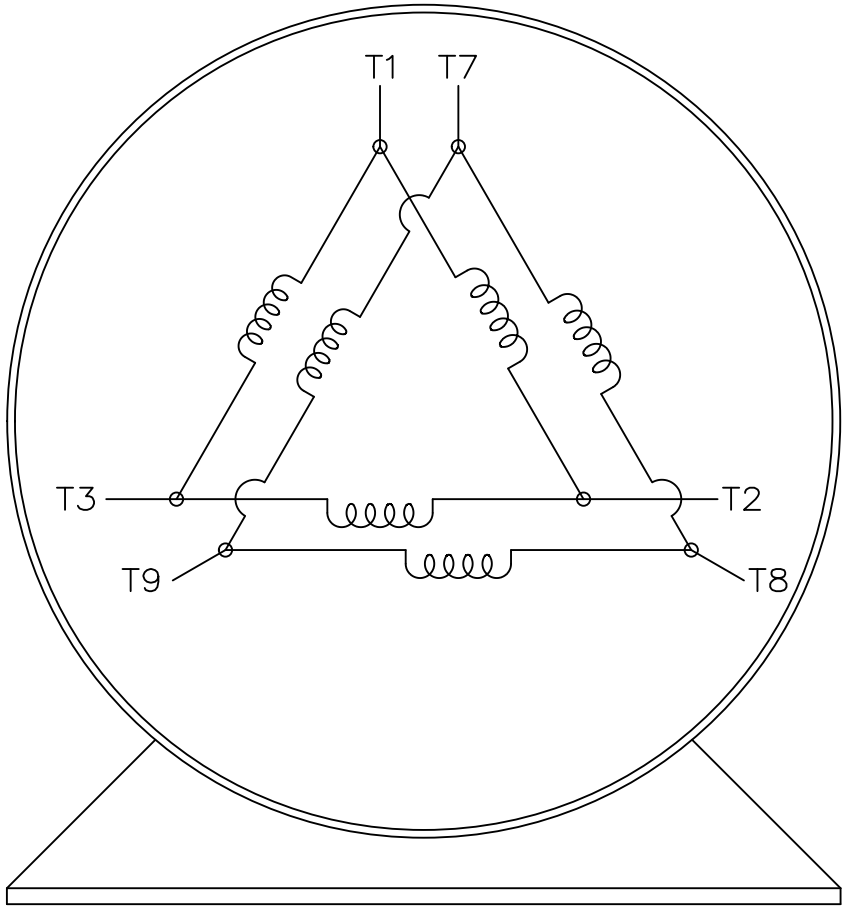
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

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

NO.	REVISION	BY & DATE	CHK
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

REGAL REGAL - BELOIT CORPORATION

TITLE: CONNECTION DIAGRAM 3Ø – 6 LEADS

MAT'L.

FINISH

RFP

DIST

CAD FILE EE7341C

DRAWN BLR	03-09-1998
CHK ML	03-23-1998
APPD GK	03-23-1998
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7341C | PAGE OF | REV. E

CERTIFICATION DATA SHEET

Model#:	404TSTDCD6001 AA	**WINDING#:**	HE32502010 NONE 1
CONN. DIAGRAM:	EE7341C	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS620752		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125&100	93&75	3600	3575&2975	404TS	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	460#380	139&135	PWS OR INVERTER	CONTINUOUS	F7	1.15/1.15	40	3300

FULL LOAD EFF: 94.1&94.1	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89.5&89.5	3/4 LOAD PF: 87.5	1/2 LOAD PF: 81	93.6	SQ CAGE INV RATED	40.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
184 LB-FT	900	340 LB-FT 185	478 LB-FT 260	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
80 dBA	90 dBA	15 LB-FT^2	- LB-FT^2	10 SEC.	2	1000 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6313	BALL 6313	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 07/03/2017 04:09:04 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

404TSTDCD6001

Submittal

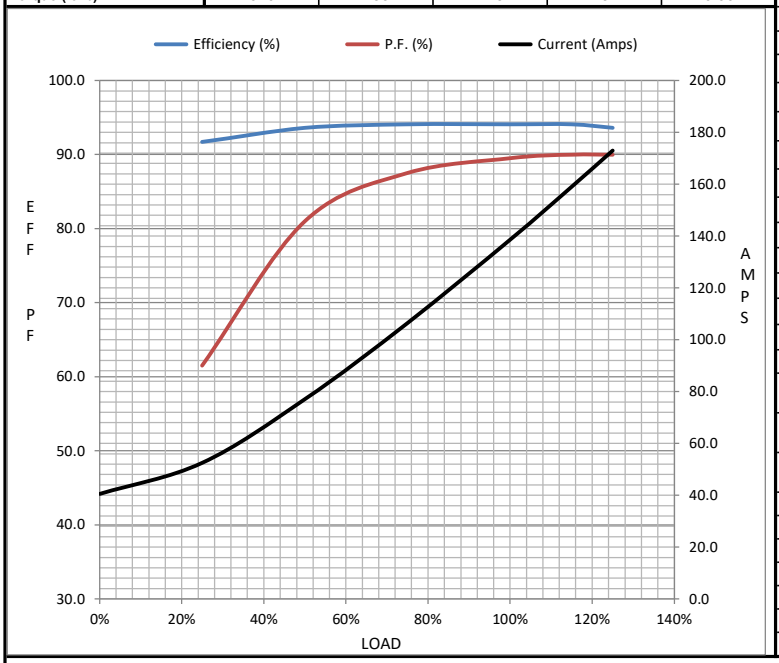
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	40.5	52.5	77.0	107	139	159	173	900	
Torque (ft-lb)	0.00	46.0	92.0	138	184	212	230	340	
RPM	3600	3592	3588	3580	3575	3,565	3560	0	
Efficiency (%)		91.7	93.6	94.1	94.1	94.1	93.6		
P.F. (%)	7.5	61.5	81.0	87.5	89.5	90.0	90.0	31.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3460	3575	3600
Current (Amps)	900	720	513	139	40.5
Torque (ft-lb)	340	285	478	184	0.00



Information Block

HP	125.0	
Sync. RPM	3600	
Frame	404	
Enclosure	DP	
Construction	TDC	
Voltage	460#380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	15.0	Lb-Ft²
Ref Wdg	HA32502010 NONE	
Sound Pressure @ 1M	80	dBA
VFD Rating	VARIABLE 20:1	
Outline Dwg	SS620752-100	
Conn. Diag	EE7341C	

Additional Specifications:

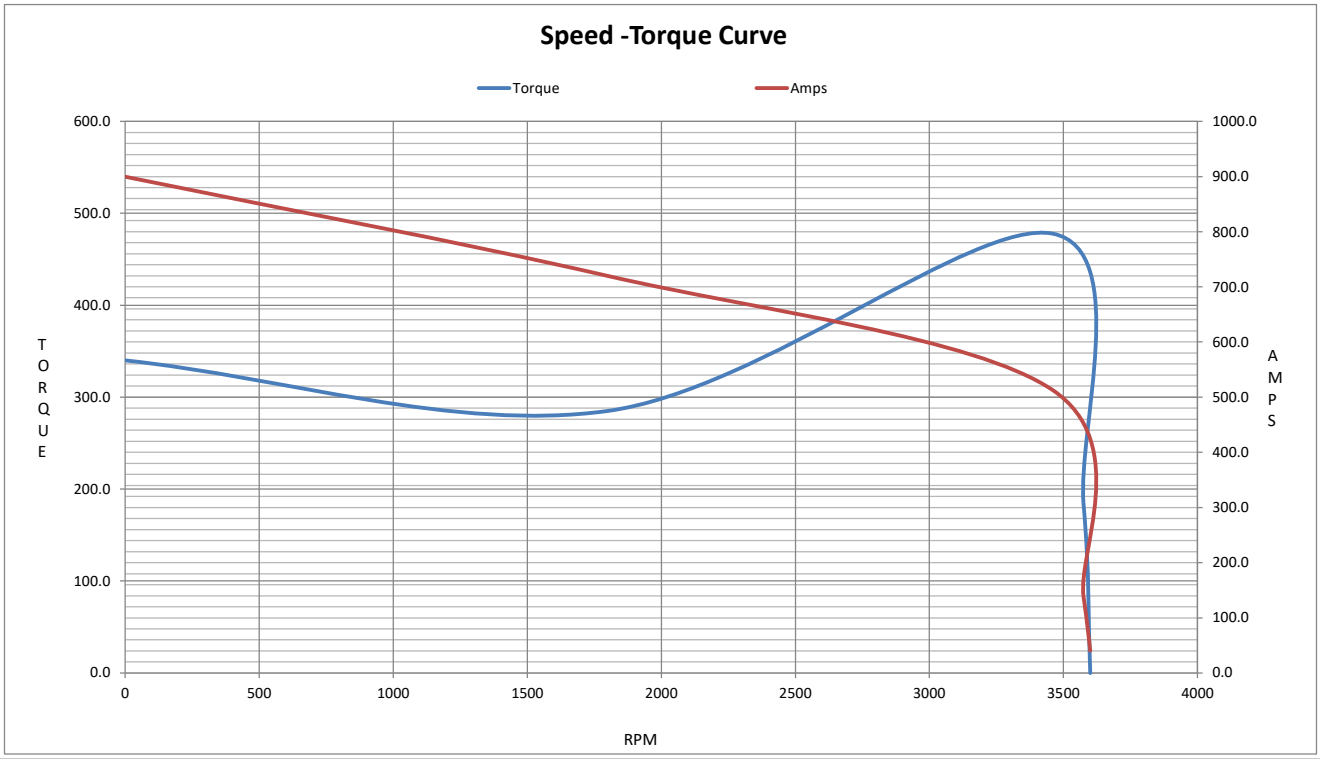
0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0300	0.0130	0.1840	0.1910	6.5830

Speed -Torque Curve



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 404TSTDCD6001

(Model No. may contain prefix and/or suffix characters)

Catalog No : GT0048A

Rework No : N/A

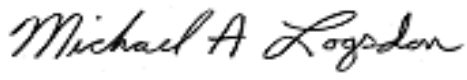
Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)
EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:

Julian Clark
Marketing Engineer

Created on 09/01/2022

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