ABB BALDOR RELIANCE

Customer information packet

VXT3252T-250

25HP, 3510RPM, 3PH, 60HZ, 256TC, 0950M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	256TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA
	CSA EEV
	NEMA_PREMIUM
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	60.000 A @ 208.0 V
	54.000 A @ 230.0 V
	27.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGZ440
Layout	09LY-001-011
Eff. date	02-01-2024
CD Diagram	CD0180
Poles	02
Leads	9#10
Proprietary	False
Created date	12-02-2020

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	27.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0950M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	23.86 IN
Power Factor	91
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3510 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP4225L									
CAT.NO.	VXT3252T-250					**I.P.**	54		
SPEC.	09-0000-2773					**ENCL**	TEFC		
FRAME	256TC		**H.P.**	25					
VOLTS	230/460		**P.F.**	91					
F.L. AMPS	54/27		**RATING**	40C AMB-CONT					
R.P.M.	3510		**USABLE AT 208V**	N/A					
HZ.	60	**PH.**	3	**CLASS**	F				
SER.F.	1.15	**DES.**	B	**SL HZ**	1.5				
NEMA NOM. EFF.	91.7	**WK2**	1.28						
DE	6309	**ODE**	6208						
MAG. CUR.	10.8/5.4								
INV TYPE	PWM	**CHP**	60	**TO**	90				
CT	6	**TO**	60	**VT**	6	**TO**	60		
CC	010A	**SN**							
	USABLE AT 50 HZ 20HP 190/380V 53.2/26.6A								

Parts List

Part number	Description	Quantity
SA388904	SA 09-0000-2773	1.000 ea
RA379269	RA 09-0000-2773	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0181	CONNECTION LABEL	1.000 ea
NP4225L	SS SEVERE DUTY XT INV UL CSA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
HW3201A01	1/2-13 EYEBOLT	1.000 ea
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 ea
09FH4000SP	309 FH - BLACK PRIMER	1.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
XY3816A12	3/8-16 FINISHED NUT W/SERRATIONS	4.000 ea
37FN3002C02	EXFN, PLASTIC, 6.00 OD, 1.503 ID	1.000 ea
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.080 lb
09EP1100A196	ENDPLATE, MACH	1.000 ea
HA3400A33	STUD- 3/8-16 X 4.96 HEX	4.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
09EP1300A164	FACE MTD. E.P. 309 ENCL 254-6TC 309 BRG-	1.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
09CB3003A01	CB W/1.75" DIA LD HL , .31-18 TAP GROUND	1.000 ea
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 ea

WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 ea
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 ea
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
09GS1013SP	GS FOR 09CB3501, 12CB1500 & 12CB1503 LID	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
MG1025L14	WILKOFAST, 776.14, GRUNDFOS BLACK	0.070 ga
PK6014	STEEL STRAP FOR 309-312 BASELESS MOTORS	4.000 ea
40PA1017	PACKAGING GROUP, 09 VERT LARGE FLANGE	1.000 ea
19XW3118A08	.31-18 X .50 HEX WASHER HEAD TAPTITE II	4.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea

AC Induction Motor Performance Data
Record # 27285
Typical performance - not guaranteed values

Winding: 09WGZ440-R001	**Type:** 0950M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25	**Full Load Torque**	37.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			54/27	**Breakdown Torque**	103 LB-FT
R.P.M.			3510	**Pull-up Torque**	49.7 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	57.9 LB-FT
NEMA Design Code	B	**KVA Code**	G	**Starting Current**	176 A
Service Factor (S.F.)			1	**No-load Current**	5.42 A
NEMA Nom. Eff.	92.4	**Power Factor**	91	**Line-line Res. @ 25ºC**	0.387 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	73°C
				Locked-rotor Power Factor	27
				Rotor inertia	1.28 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	76	90	93	93	92	90
Efficiency	91.1	93.4	93.4	92.4	91.4	90
Speed	3579	3557	3535	3512	3485	3456
Line amperes	8.64	14.1	20.4	27.1	34.5	42.6

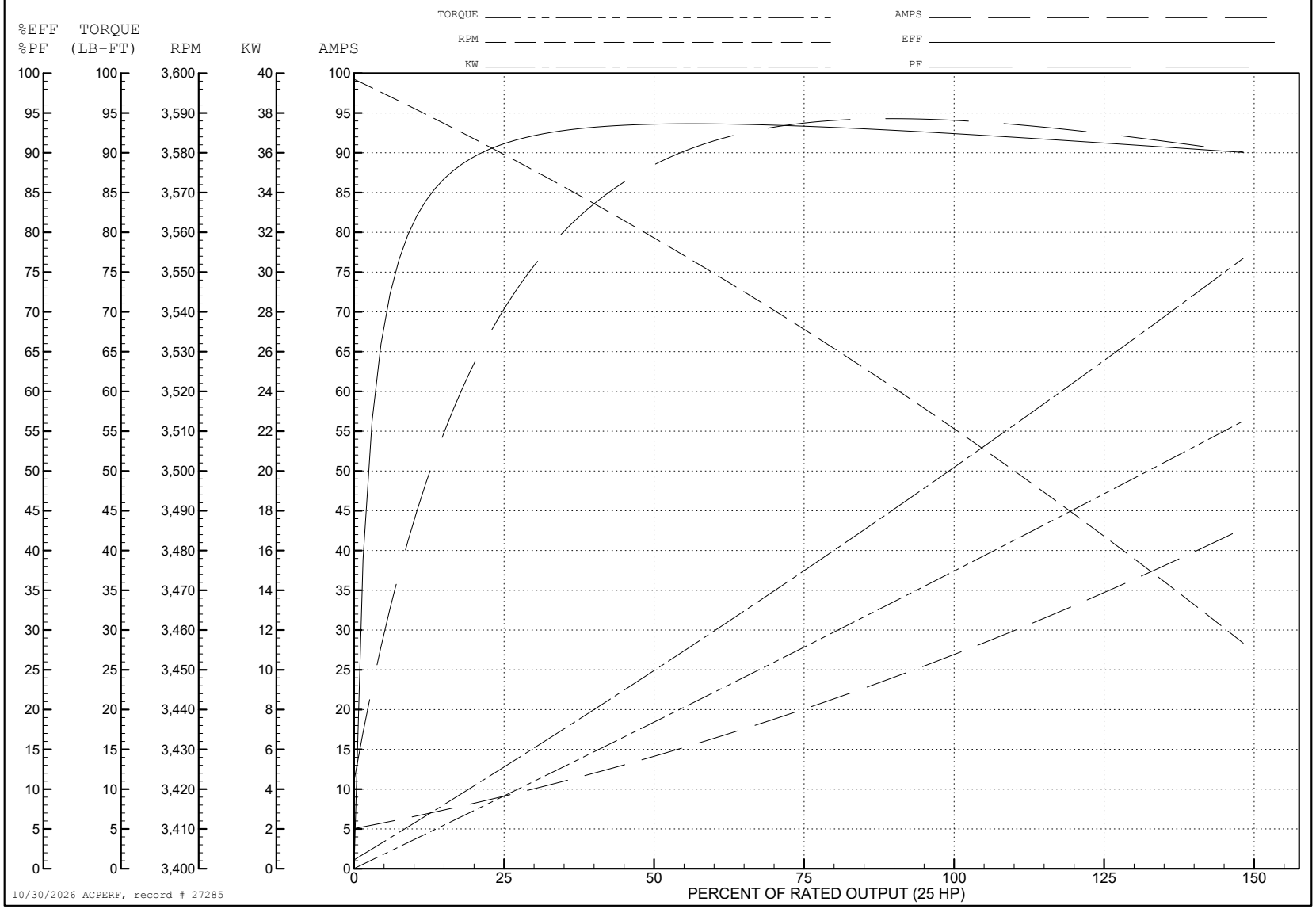
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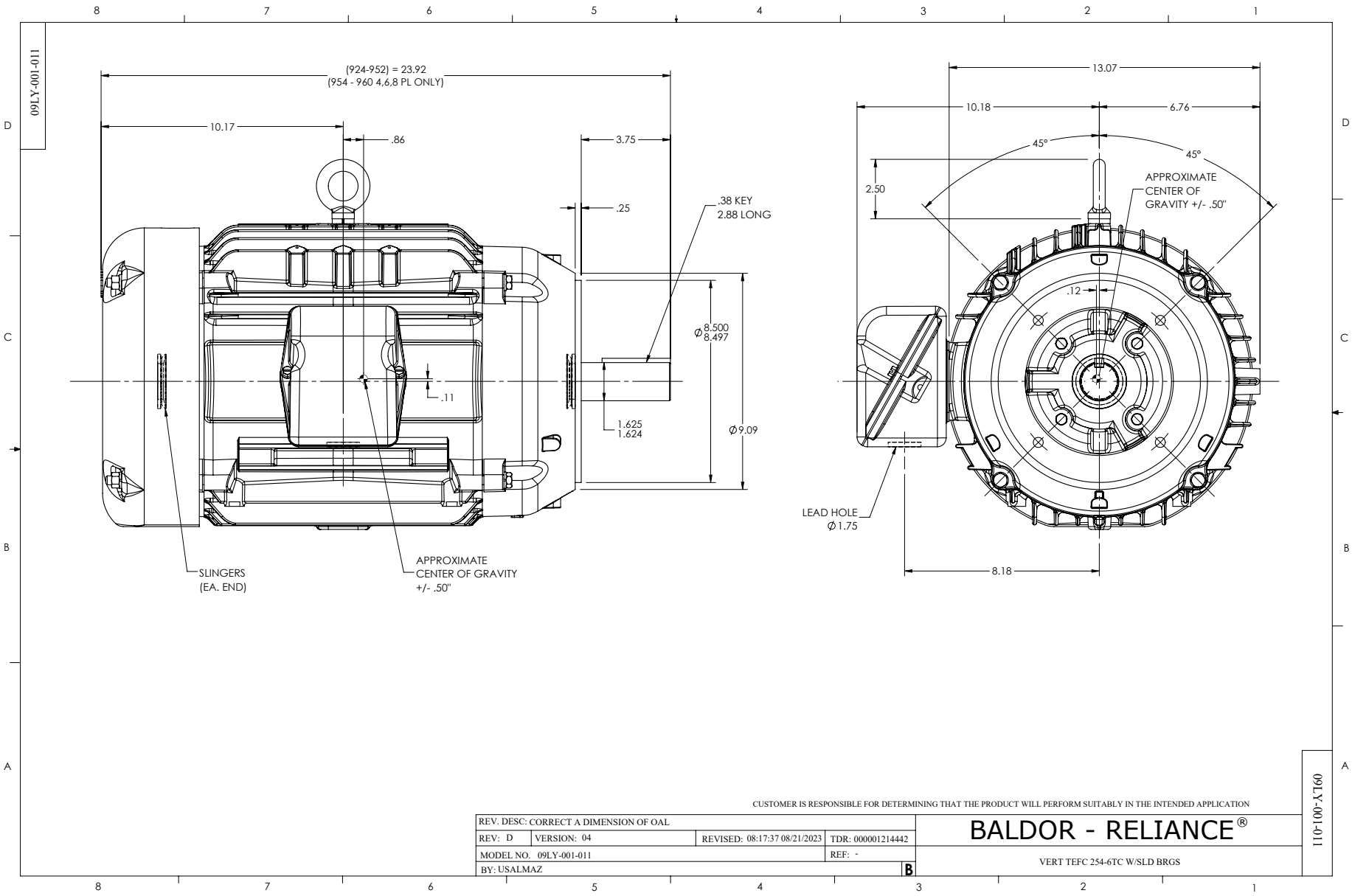
WINDING # 09WGZ440

25 HP 3 PH 60 HZ 3510 RPM 460 V 0950M

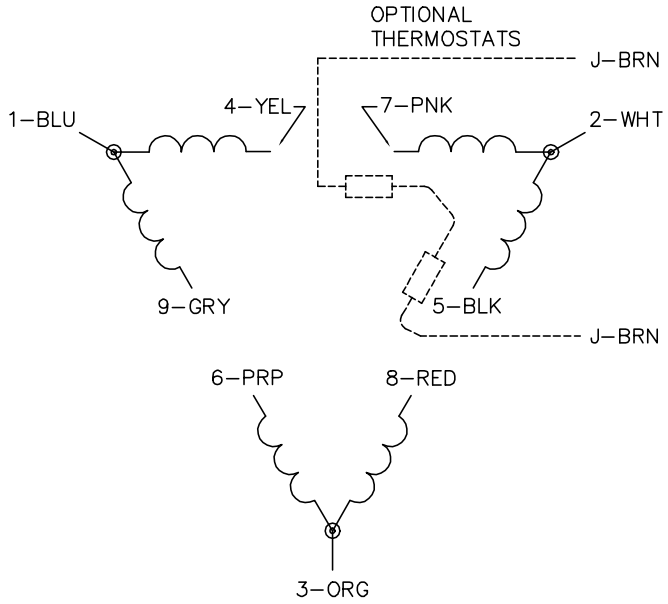
Typical performance - not guaranteed values.

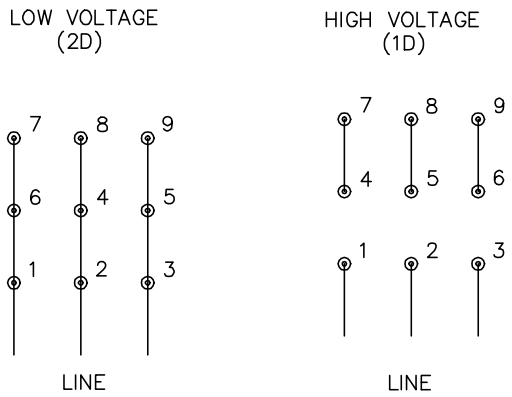
TORQUES(LB-FT): PO=103 PU=49.7 LR=57.9 LRA=176




(924-952) = 23.92
(954 - 960 4,6,8 PL ONLY)
10.17
.86
3.75
.25
.38 KEY
2.88 LONG
Ø 8.500
8.497
.11
1.625
1.624
Ø 9.09
SLINGERS
(EA. END)
APPROXIMATE
CENTER OF GRAVITY
+/- .50"
13.07
10.18
6.76
45°
45°
2.50
APPROXIMATE
CENTER OF
GRAVITY +/- .50"
.12
LEAD HOLE
Ø 1.75
8.18
110-001-XY69
09LY-001-011
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CORRECT A DIMENSION OF OAL
REV: D
VERSION: 04
REVISED: 08:17:37 08/21/2023
TDR: 000001214442
MODEL NO. 09LY-001-011
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VERT TEFC 254-6TC W/SLD BRGS

CD0180





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

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REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

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3PH, DV, 9 LEADS, DELTA CONNECTION

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