

ABB BALDOR RELIANCE III

Customer information packet

VXT3252T-250

25HP, 3510RPM, 3PH, 60HZ, 256TC, 0950M, TEFC, F

Class - None

Division - Not Applicable

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 SPRLOCKWASHER	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. @ 25°C	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

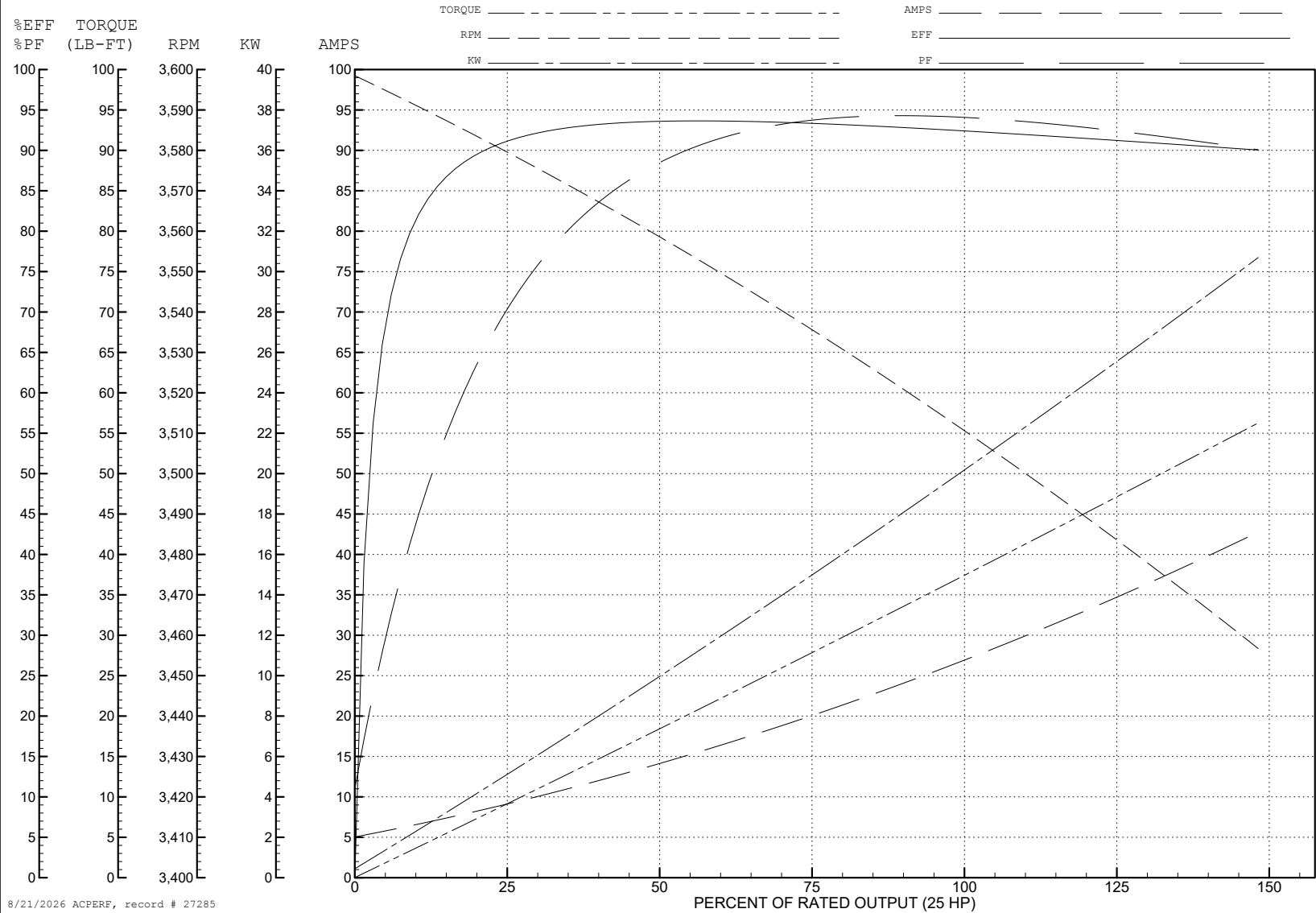
ABB Motors and Mechanical Inc.

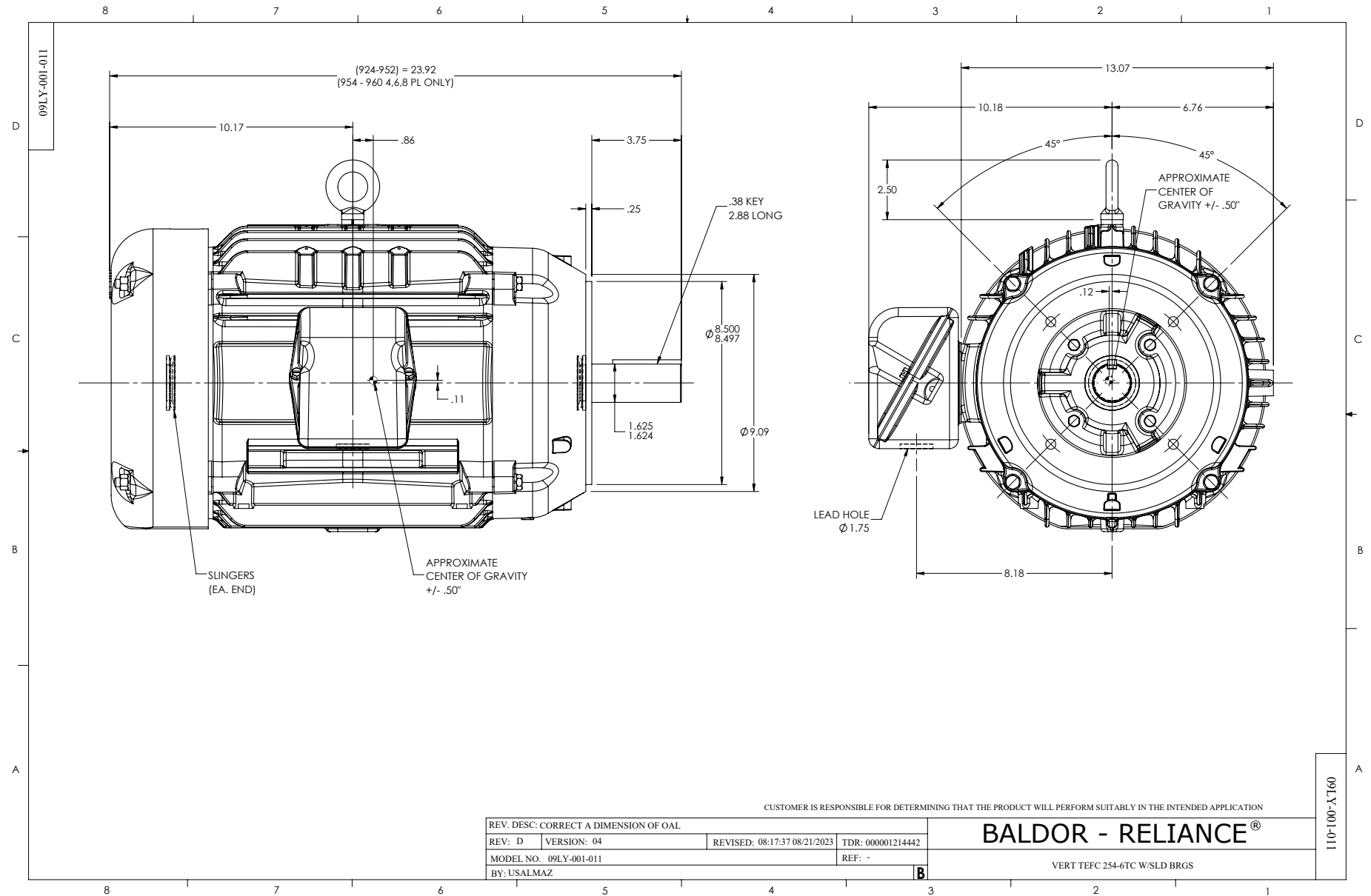
WINDING # 09WGZ440

Typical performance - not guaranteed values.

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

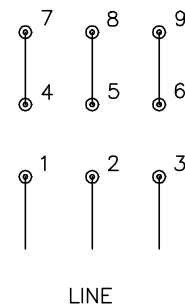
TORQUES (LB-FT): PO=103 PU=49.7 LR=57.9 LRA=176





CD0180


LOW VOLTAGE
(2D)

HIGH VOLTAGE
(1D)

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.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

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