ABB BALDOR RELIANCE

Customer information packet

FDEM2394T-5

15HP, 3525RPM, 3PH, 60HZ, 254T, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	254T
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	13.700 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	13.7 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGT162
Layout	09LYK989
Eff. date	11-27-2024
CD Diagram	CD0006
Poles	02
Leads	3#12
Proprietary	False
Created date	06-06-2018

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0934M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	23.66 IN
Power Factor	88
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3525 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

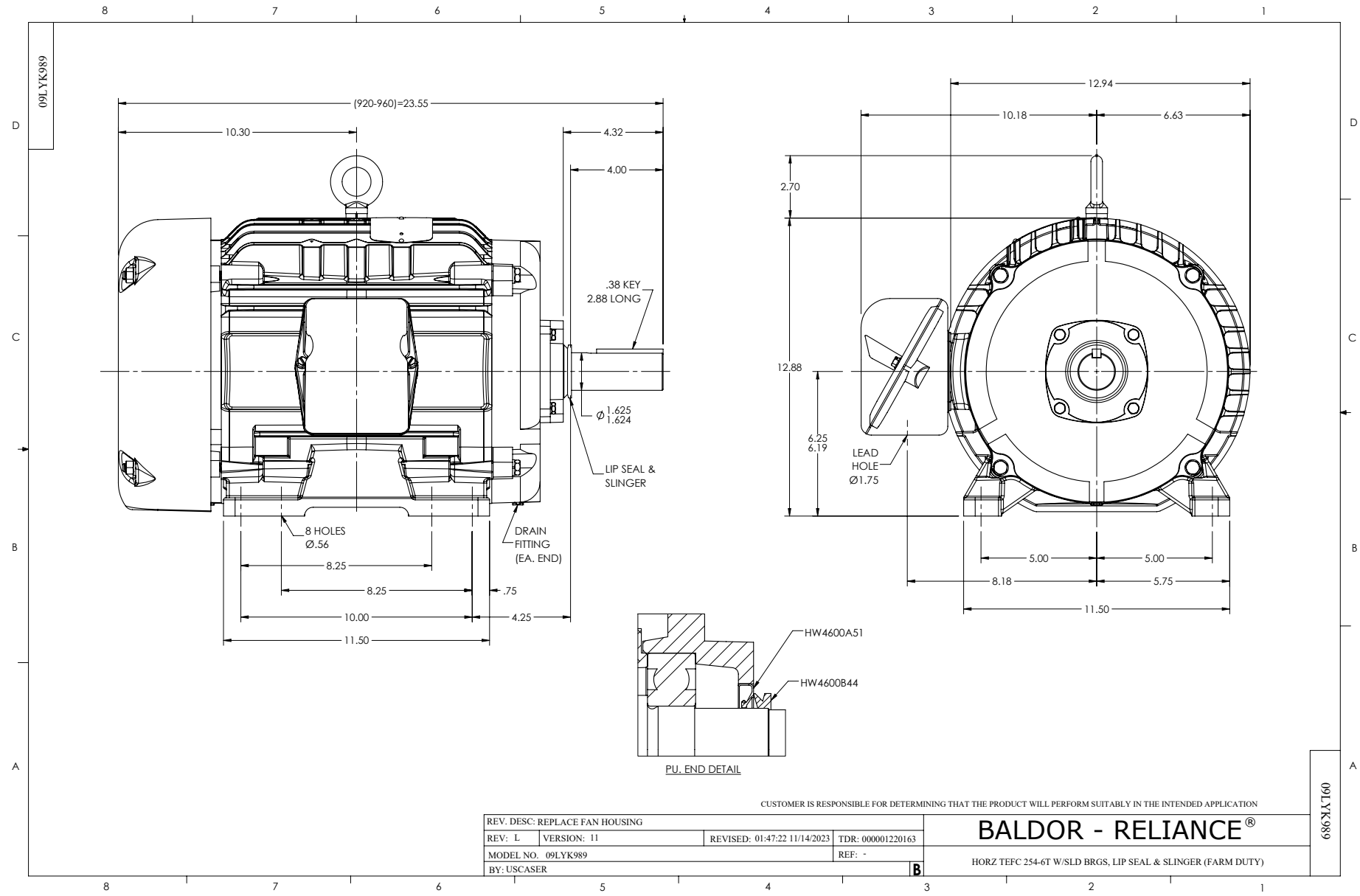
Nameplate

NP3126L									
CAT.NO.	FDEM2394T-5								
SPEC.	09-0000-0186								
HP	15								
VOLTS	575								
AMP	13.7								
RPM	3525								
FRAME	254T	**HZ**	60				**PH**	3	
SER.F.	1.15	**CODE**	G	**DES**	B	**CL**	F		
NEMA-NOM-EFF	91	**PF**	88						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6208						
ENCL	TEFC	**SN**							

Parts List

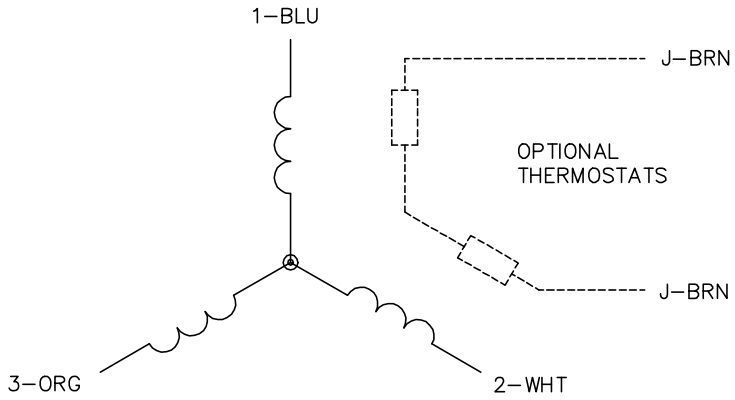
Part number	Description	Quantity
SA356808	SA 09-0000-0186	1.000 ea
RA345790	RA 09-0000-0186	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0006	CONNECTION LABEL	1.000 ea
NP3126L	ALUM FARM DUTY SUPER-E UL CSA-EEV PREM	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	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
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 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
LD7020D03	LEAD SET, 12AWG, 3 LEAD, 20" LONG LEADS	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.080 lb
09EP1100A222	ENDPLATE, MACH W/WHITE EPOXY PAINT	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
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
09EP1101A141	PUEP MACH W/LIP SEAL & "O" DRAIN	1.000 ea
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
HW4600A51	SEAL 1.688 X 2.686 X 0.313 SINGLE LIP-CR	1.000 ea
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 ea
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 ea
09CB3003	CB W/1.75" DIA LD HL - 37, 39, 307 & 309	1.000 ea
09GS1000	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 ea

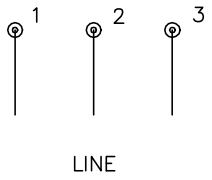
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 ea
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
09GS1013SP	GS FOR 09CB3501, 12CB1500 & 12CB1503 LID	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
MG1025C02	WILKOFAST SG, 787.105, TAN	0.050 ga
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea


09LYK989
(920-960)=23.55
10.30
4.32
4.00
.38 KEY
2.88 LONG
Ø1.625
1.624
LIP SEAL &
SLINGER
8 HOLES
Ø.56
DRAIN
FITTING
(EA. END)
8.25
8.25
.75
10.00
4.25
11.50
12.94
10.18
6.63
2.70
12.88
6.25
6.19
LEAD
HOLE
Ø1.75
5.00
5.00
8.18
5.75
11.50
HW4600A51
HW4600B44
PU, END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REPLACE FAN HOUSING
REV: L
VERSION: 11
REVISED: 01:47:22 11/14/2023
TDR: 000001220163
MODEL NO. 09LYK989
REF: -
BY: USCASER
B
BALDOR - RELIANCE®
HORZ TEFC 254-6T W/SLD BRGS, LIP SEAL & SLINGER (FARM DUTY)
09LYK989

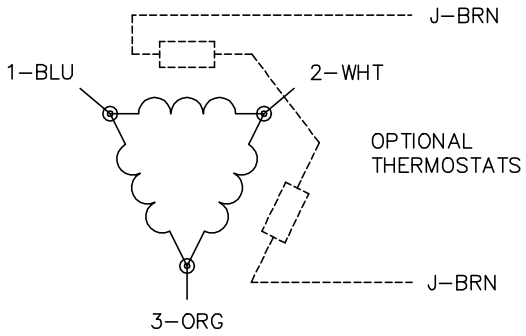
CD0006

TYPICAL WYE–CONNECTED MOTOR





TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
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BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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