ABB BALDOR RELIANCE

Customer information packet

FDEM2394T-5

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

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/16/2026 1:50:37 AM

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

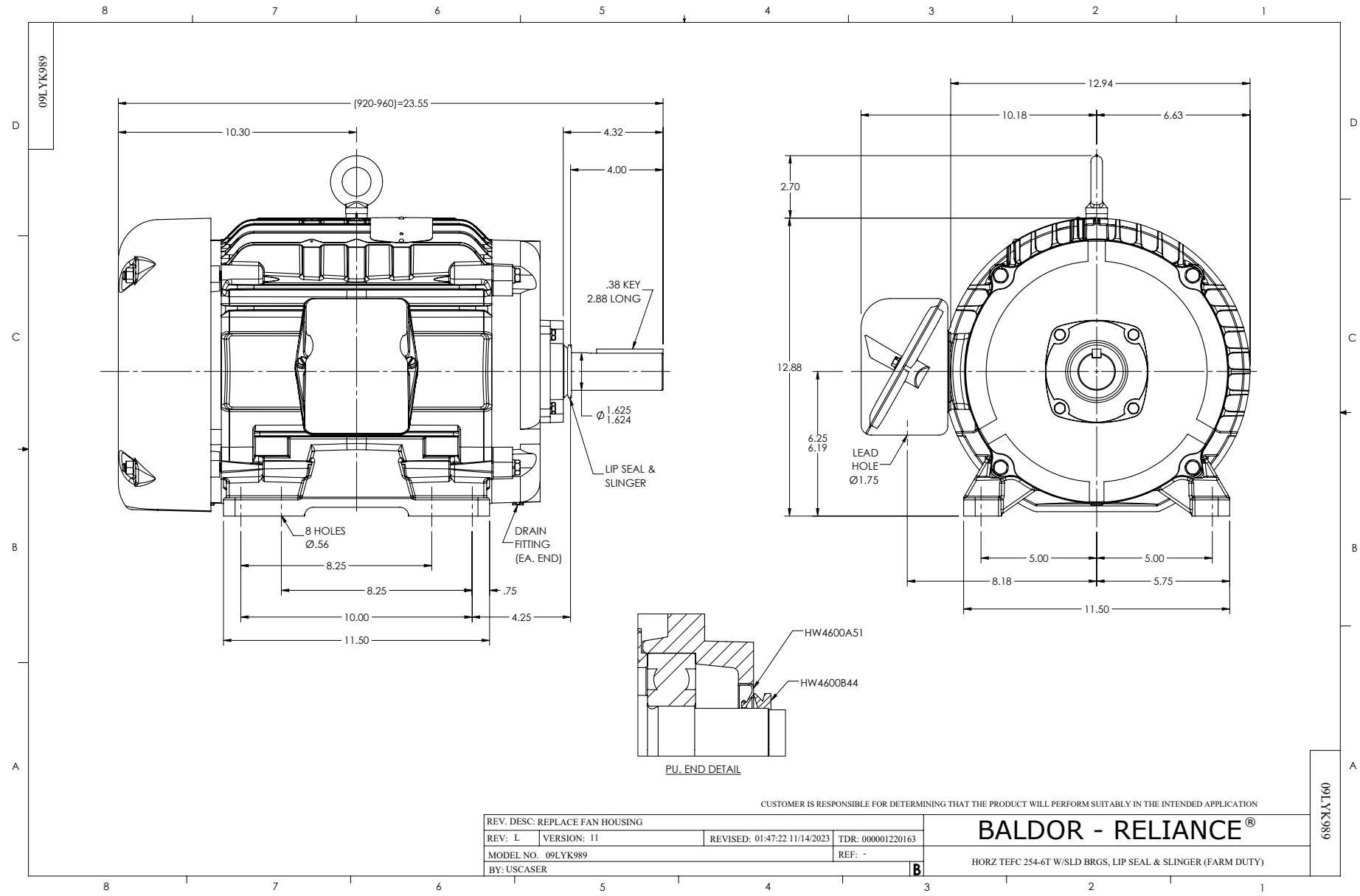
Part Detail

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

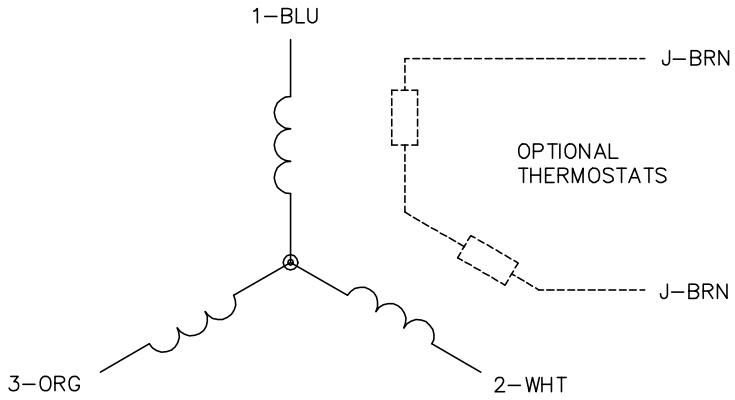
Nameplate

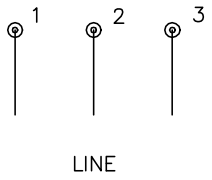
NP3126L											
CAT.NO.	FDEM2394T-5										
SPEC.	09-0000-0186										
HP	15										
VOLTS	575										
AMP	13.7										
RPM	3525										
FRAME	254T		**HZ**	60			**PH**	3			
SER.F.	1.15	**CODE**	G	**DES**	B	**CL**	F				
NEMA-NOM-EFF	91	**PF**	88								
RATING	40C AMB-CONT										
CC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


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

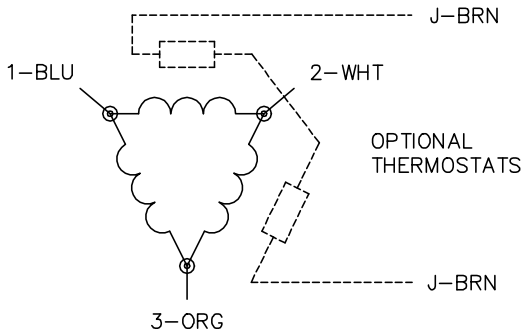
CD0006

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

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

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

SH 1 of 1