BALDOR • RELIANCE

Product Information Packet

EM3546T

1HP,1770RPM,3PH,60HZ,143T,3520M,TEFC,F1

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Part Detail

Revision:	F	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGG004	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	35AA001	**Layout:**	35LYAA001	**Poles:**	04	**Created Date:**	10-02-2018
Base:	RG	**Eff. Date:**	06-20-2022	**Leads:**	9#18		

Specs

Catalog Number:	EM3546T	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	F
Frame:	143T	**Inverter Code:**	Inverter Ready
Frame Material:	Steel	**KVA Code:**	L
Motor Letter Type:	Three Phase	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	1.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	460.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3520M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	71
	CSA EEV	**Product Family:**	General Purpose
	UR	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	Standard
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	Rigid	**Rodent Screen:**	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	**RoHS Status:**	ROHS COMPLIANT

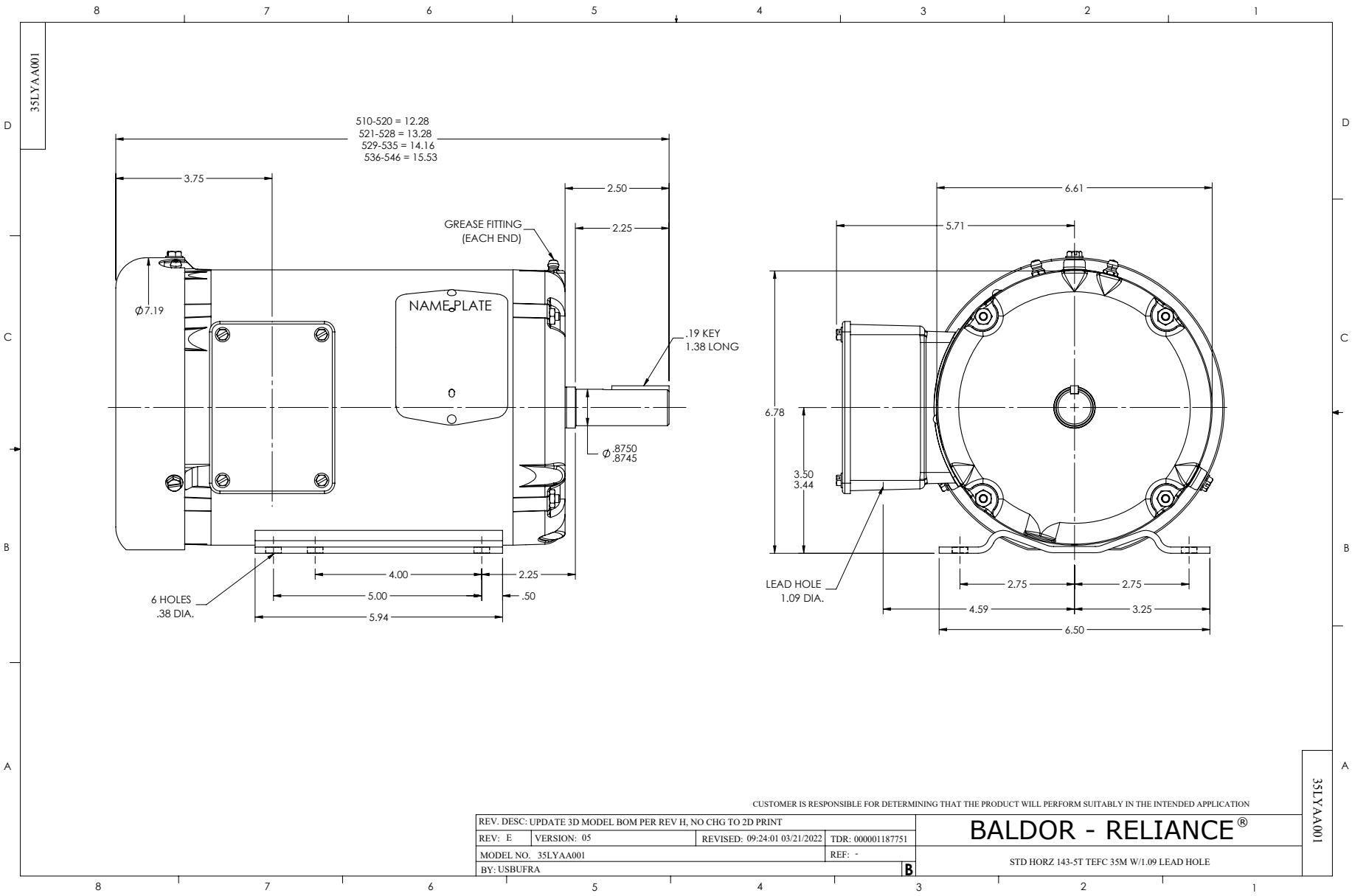
Blower:	None
Current @ Voltage:	3.100 A @ 208.0 V
	3.000 A @ 230.0 V
	1.500 A @ 460.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Extension Location:	Pulley End
Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
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

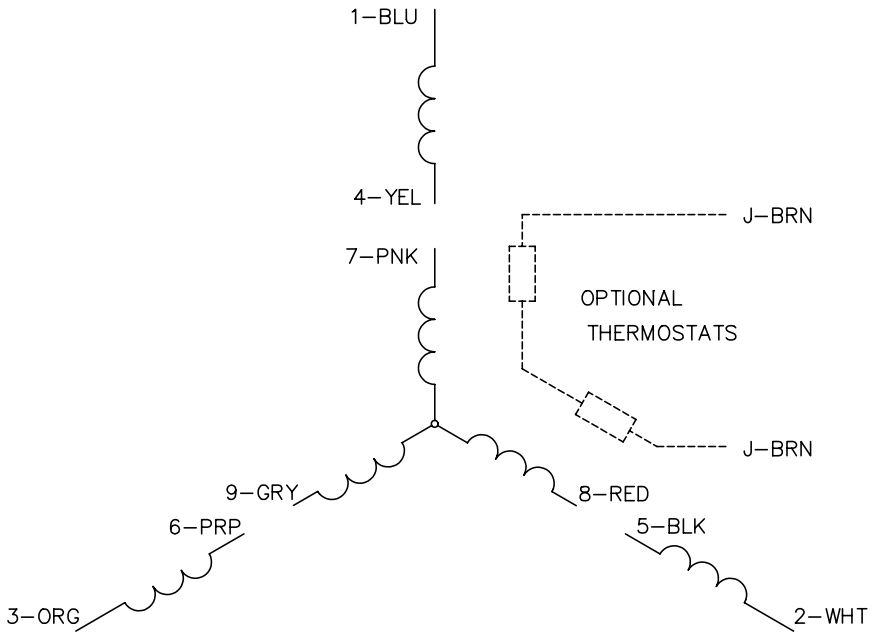
Nameplate NP3441LUA

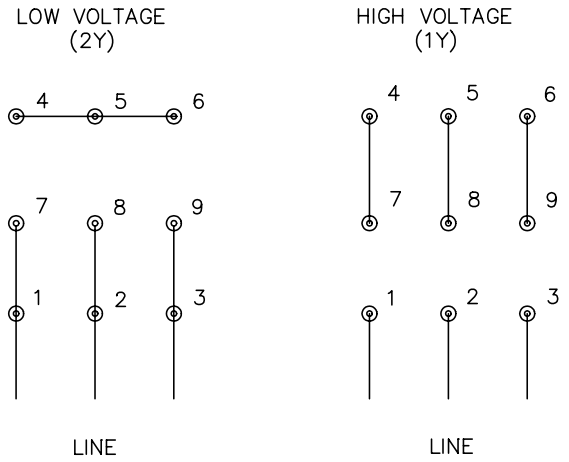
CAT.NO.	EM3546T							
SPEC	35AA001G004G1							
HP	1							
VOLTS	230/460							
AMPS	3.2/1.6							
RPM	1770							
FRAME	143T	**HZ**	60			**PH**	3	
SF	1.15	**CODE**	N	**DES**	B	**CLASS**	F	
NEMA NOM. EFF	85.5	**PF**	69					
RATING	40C AMB-CONT							
CC	010A	**USABLE AT 208V**	3.2					
ENCL	TEFC	**SER**						
DE	6205	**ODE**	6203					
VPWM INVERTER READY	SFA 3.4/1.7							
CT6-60H(10:1)VT3-60H(20:1								
	50HZ 1HP 190/380V 3.6/1.8A							SF1.0

No performance data has been assigned to this product.


35LYAA001
510-520 = 12.28
521-528 = 13.28
529-535 = 14.16
536-546 = 15.53
3.75
2.50
2.25
GREASE FITTING
(EACH END)
NAMEPLATE
Ø7.19
.19 KEY
1.38 LONG
Ø .8750
.8745
4.00
2.25
5.00
.50
5.94
6 HOLES
.38 DIA.
6.61
5.71
6.78
3.50
3.44
LEAD HOLE
1.09 DIA.
2.75
2.75
4.59
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV H, NO CHG TO 2D PRINT
REV: E
VERSION: 05
REVISED: 09:24:01 03/21/2022
TDR: 000001187751
MODEL NO. 35LYAA001
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 143-5T TEFC 35M W/1.09 LEAD HOLE
35LYAA001

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS