ABB BALDOR RELIANCE

Customer information packet

CEM3554T-G

1.5HP, 1770RPM, 3PH, 60HZ, 145TC, 3524M, TEFC
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	UR
	NEMA_PREMIUM
	NEMA PREMIUM
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	2.300 A @ 460.0 V
	4.600 A @ 230.0 V
	4.640 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

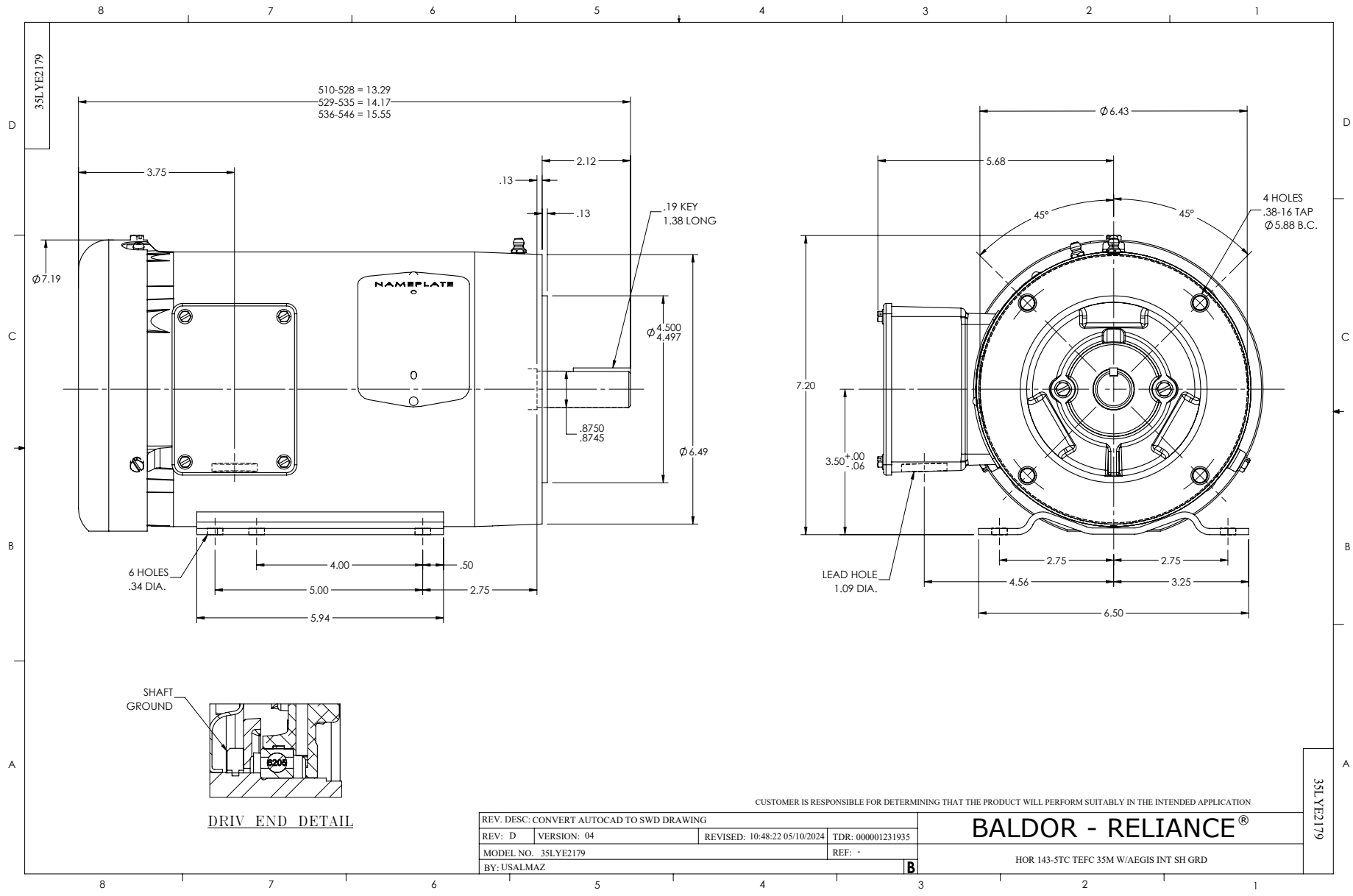
Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WGL955
Layout	35LYE2179
Eff. date	01-02-2026
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	10-28-2021

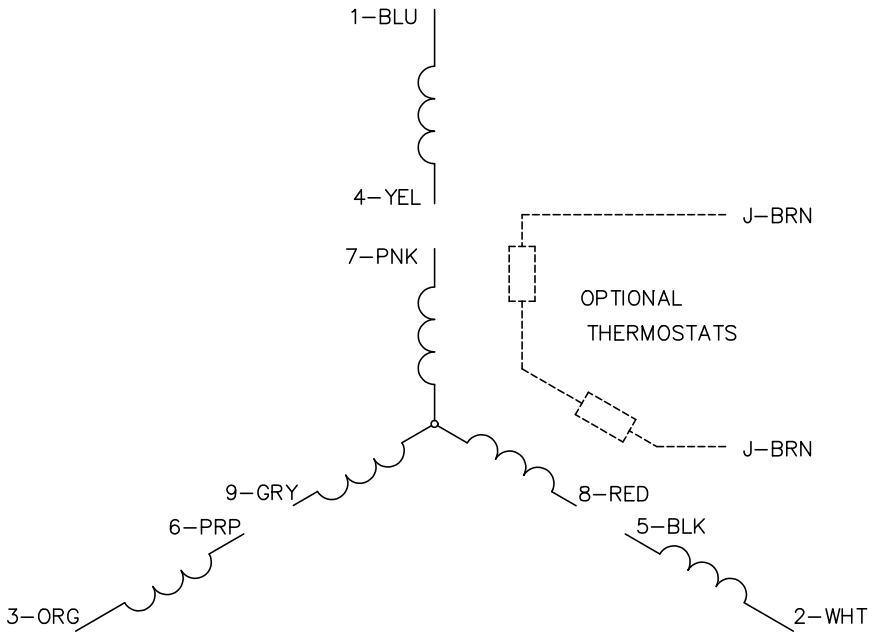
High Voltage Full Load Amps	2.3 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.29 IN
Power Factor	72
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1770 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

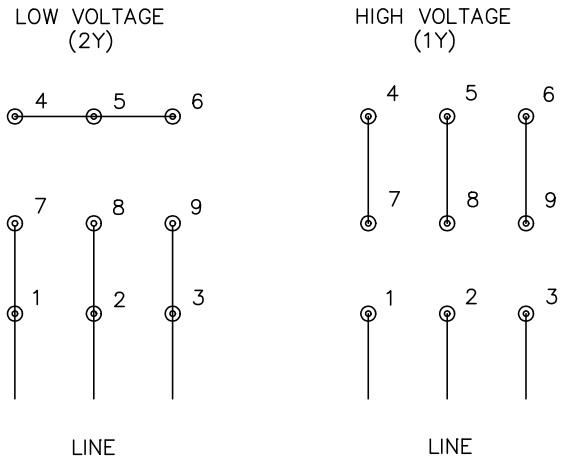
Nameplate

NP3441LUA									
CAT.NO.	CEM3554T-G								
SPEC	35-0000-1355								
HP	1.5								
VOLTS	230/460								
AMPS	4.6/2.3								
RPM	1770								
FRAME	145TC	**HZ**	60	**PH**	3				
SF	1.15	**CODE**	L	**DES**	B	**CLASS**	H		
NEMA NOM. EFF	86.5	**PF**	72						
RATING	40C AMB-CONT								
CC	010A								
ENCL	TEFC	**SER**							
DE	6205	**ODE**	6203						
VPWM INVERTER READY	SFA 5.0/2.5								
CT6-60H(10:1)VT3-60H(20:1									


35LYE2179
510-528 = 13.29
529-535 = 14.17
536-546 = 15.55
3.75
2.12
.13
.13
.19 KEY
1.38 LONG
Ø7.19
NAMEPLATE
Ø4.500
4.497
.8750
.8745
Ø6.49
6 HOLES
.34 DIA.
4.00
.50
5.00
2.75
5.94
Ø6.43
5.68
45°
45°
4 HOLES
.38-16 TAP
Ø5.88 B.C.
7.20
3.50 +.00 -.06
LEAD HOLE
1.09 DIA.
2.75
2.75
4.56
3.25
6.50
SHAFT
GROUND
6209
DRIV END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD TO SWD DRAWING
REV: D
VERSION: 04
REVISED: 10:48:22 05/10/2024
TDR: 000001231935
MODEL NO. 35LYE2179
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HOR 143-5TC TEFC 35M W/AEGIS INT SH GRD
35LYE2179

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