ABB BALDOR RELIANCE

Customer information packet

CESSWDNM3555T-5

2HP, 3475RPM, 3PH, 60HZ, 145TC, 3546M, TENV, F1
Class -
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	145TC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
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	1.900 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.9 a
Insulation Class	H
Inverter Code	Not Inverter
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing

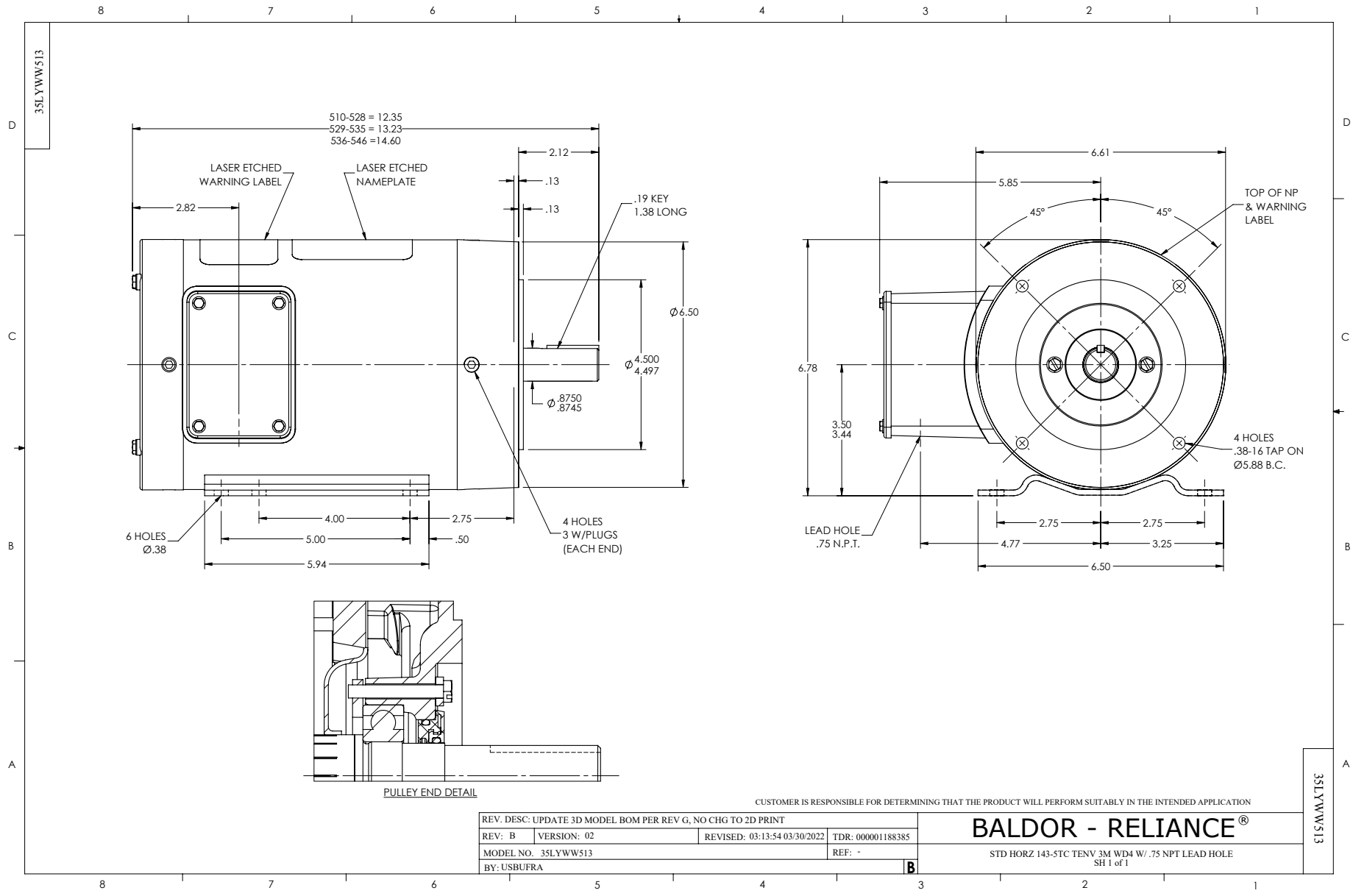
Part Detail

Revision	F
Type	AC
Mech. spec.	35WW513
Base	
Status	PRD/A
Elec. spec.	35WGL842
Layout	35LYWW513
Eff. date	09-22-2023
CD Diagram	CD0006
Poles	02
Leads	3#18
Proprietary	False
Created date	12-05-2017

Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3546M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.60 IN
Power Factor	89
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3475 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

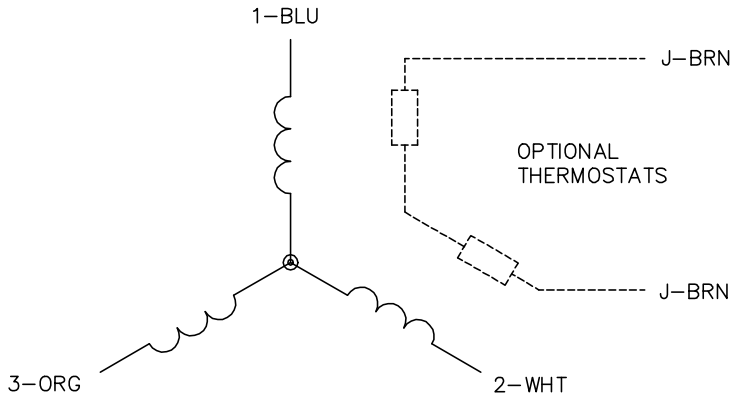
Nameplate

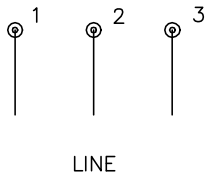
NP1998A05								
CAT.NO.	CESSWDNM3555T-5							
SPEC.	35WW513L842G1							
HP	2							
VOLTS	575							
AMP	1.9							
RPM	3475							
FRAME	143TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	N	**DES**	A	**CLASS**	H	
NEMA-NOM-EFF	88.5	**PF**	89					
RATING	40C AMB-CONT							
CC	010A	**USABLE AT 208V**				N/A		
DE	6205	**ODE**	6203					
ENCL	TENV	**SN**						
	4:1CT 20:1VT							


35LYWW513
510-528 = 12.35
529-535 = 13.23
536-546 =14.60
LASER ETCHED WARNING LABEL
LASER ETCHED NAMEPLATE
2.82
2.12
.13
.13
.19 KEY 1.38 LONG
Ø6.50
Ø 4.500 4.497
Ø .8750 .8745
4.00
2.75
5.00
.50
5.94
6 HOLES Ø.38
4 HOLES 3 W/PLUGS (EACH END)
6.61
5.85
45°
45°
TOP OF NP & WARNING LABEL
6.78
3.50 3.44
4 HOLES .38-16 TAP ON Ø5.88 B.C.
LEAD HOLE .75 N.P.T.
2.75
2.75
4.77
3.25
6.50
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV G, NO CHG TO 2D PRINT
REV: B
VERSION: 02
REVISED: 03:13:54 03/30/2022
TDR: 000001188385
MODEL NO. 35LYWW513
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 143-5TC TENV 3M WD4 W/ .75 NPT LEAD HOLE
SH 1 of 1
35LYWW513

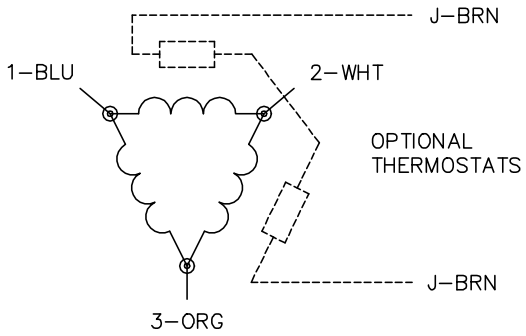
CD0006

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