ABB BALDOR RELIANCE

Customer information packet

CESSWDM3545

1HP, 3450RPM, 3PH, 60HZ, 56C, 3520M, TENV, F1, N
Class - None
Division - Not Applicable

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Specifications

Enclosure	TENV
Frame	56C
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	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	2.800 A @ 230.0 V
	1.400 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
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	1.4 a

Part Detail

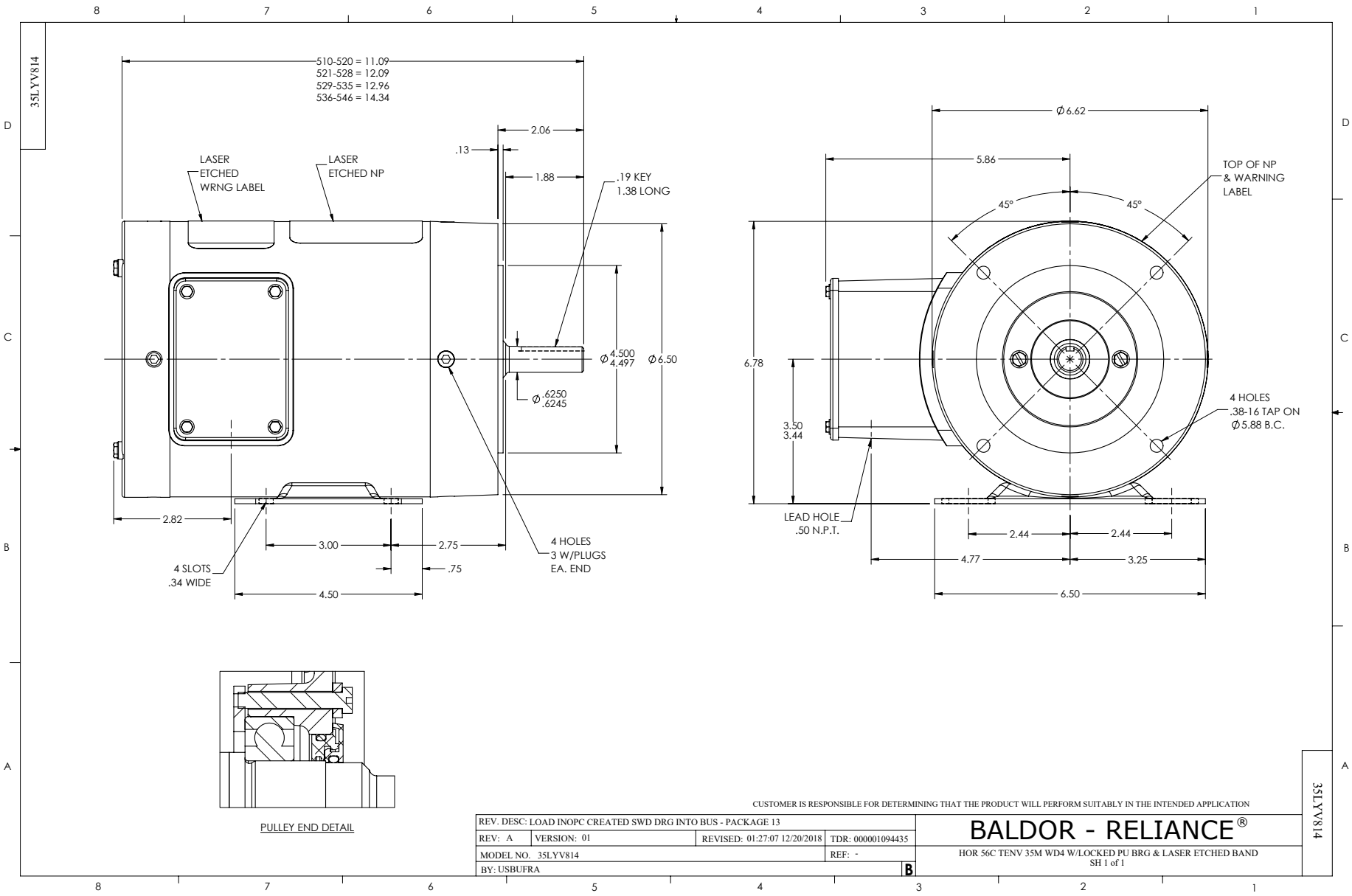
Revision	U
Type	AC
Mech. spec.	35V814
Base	
Status	PRD/A
Elec. spec.	35WGL314
Layout	35LYV814
Eff. date	06-14-2024
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	05-20-2015

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Finish	UNPAINTED
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3520M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.09 IN
Power Factor	82
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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

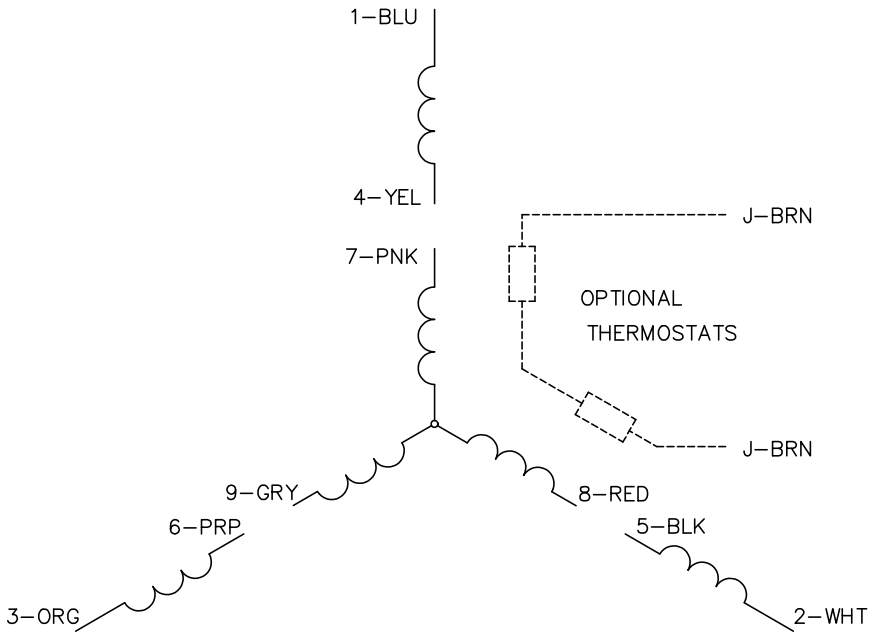
Winding Thermal 2	None

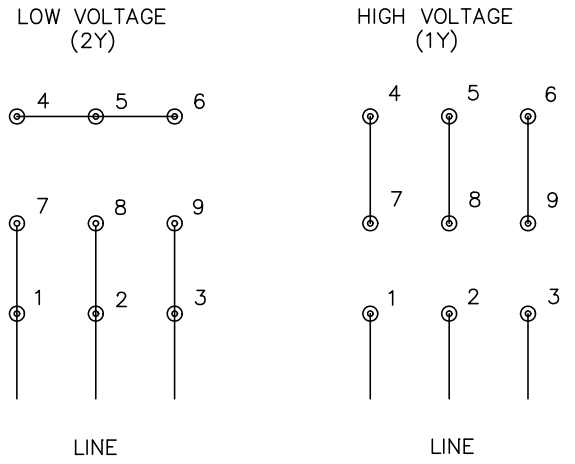
Nameplate

NP1953A01									
CAT.NO.	CESSWDM3545								
SPEC.	35V814L314G1								
HP	1								
VOLTS	230/460								
AMP	2.8/1.4								
RPM	3450 SFA 3.2/1.6								
FRAME	56C	**HZ**	60	**PH**	3				
SER.F.	1.25	**CODE**	N	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	82.5	**PF**	82						
RATING	40C AMB-CONT								
CC	010A								
DE	6205	**ODE**	6203						
ENCL	TENV	**SN**							
	4:1CT 20:1VT								


35LYV814
510-520 = 11.09
521-528 = 12.09
529-535 = 12.96
536-546 = 14.34
2.06
.13
1.88
.19 KEY
1.38 LONG
LASER ETCHED WRNG LABEL
LASER ETCHED NP
Ø 4.500
4.497
Ø 6.50
Ø .6250
.6245
2.82
3.00
2.75
.75
4.50
4 SLOTS
.34 WIDE
4 HOLES
3 W/PLUGS
EA. END
Ø 6.62
5.86
45°
45°
TOP OF NP
& WARNING
LABEL
6.78
3.50
3.44
4 HOLES
.38-16 TAP ON
Ø 5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.44
2.44
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: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 13
REV: A
VERSION: 01
REVISED: 01:27:07 12/20/2018
TDR: 000001094435
MODEL NO. 35LYV814
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HOR 56C TENV 35M WD4 W/LOCKED PU BRG & LASER ETCHED BAND
SH 1 of 1
35LYV814

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