ABB BALDOR RELIANCE

Customer information packet

342

.25/.06HP, 3000/1500RPM, 1PH, 50HZ, 3424S

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11/19/2026 8:53:16 AM

Specifications

Enclosure	LATH
Frame Material	Steel
Frequency	50.00 Hz
	50.00 Hz
Motor Letter Type	Split Phase
Nameplate Output	.25/.06
Number of Poles	2
	4
	2
	4
Output @ Frequency	.060 HP @ 50 HZ
	.250 HP @ 50 HZ
Phase	1
	1
Product Style	DENTAL LATHE
Speed	1500 rpm
	3000 rpm
	1500 rpm
	3000 rpm
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage	220 V
	240 V
Voltage @ Frequency	220.0 V @ 50 HZ
	240.0 V @ 50 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1.200 A @ 240.0 V
	1.500 A @ 220.0 V
Duty Rating	CONT

Part Detail

Revision	AM
Type	AC
Mech. spec.	L34-25
Base	
Status	PRD/A
Elec. spec.	L4WGW025
Layout	L4LY0025
Eff. date	02-04-2026
CD Diagram	CD1491
Poles	02/04
Leads	9#18
Proprietary	False
Created date	01-01-0001

Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	P
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	Other
Motor Type	3424S
Mounting Arrangement	F1
Overall Length	13.13 IN
Product Family	Dental Lathe
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	1Ph 2 Speed Pole Changing
Starting Method	Direct on line
Thermal Device - Winding	None

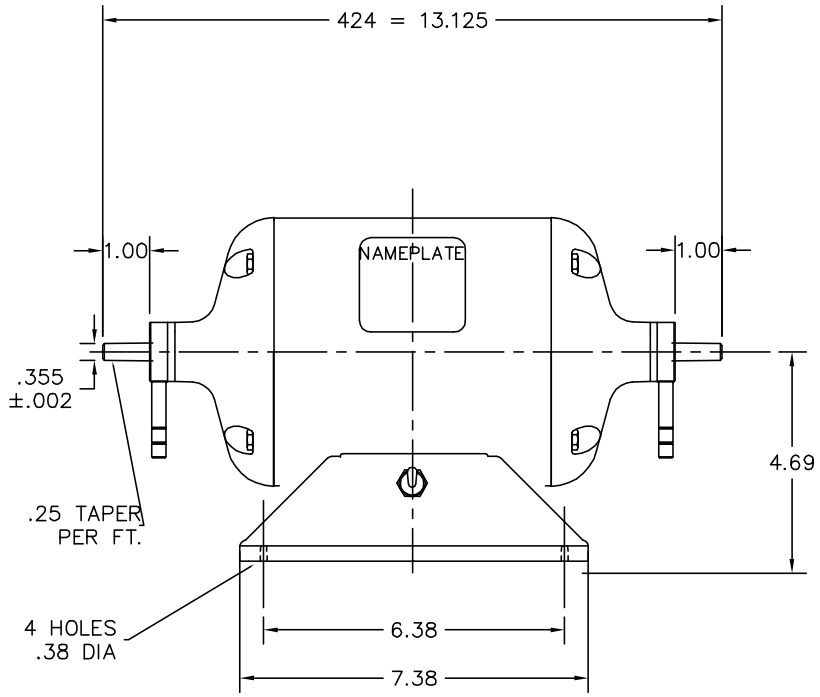
Nameplate

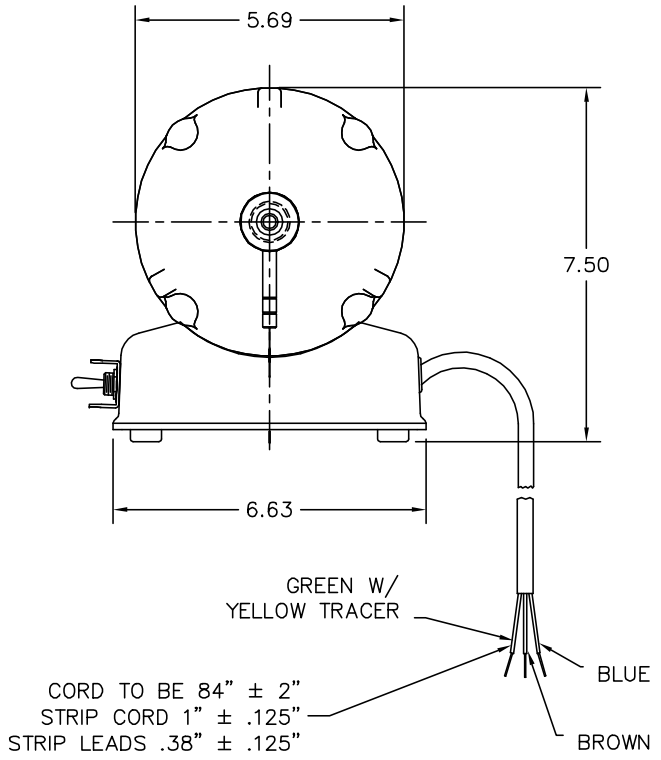
	NP3351L		
CAT.NO.	342		
SPEC.	L34-25W25		
HP	.25/.06		
VOLTS	220-240		
PHASE	1	**AMPS**	1.5/1.2
CYCLE	50		
RPM	3000/1500		
CL	B		
RATING	40C AMB-CONT		
SERIAL			

Accessories

Part number	Description	Multiplier
R1	DR-3544 R1 RH CHUCK	A8
R2	DR-3546B R2 RH WHEEL CHUCK	A8
R5A	BURR CHUCK-RH	A8
R6	ARBOR BAND CHUCK	A8
L3	DR-3545 LH HD WHEEL CHUCK	A8
L4	DR-3547B L4 LH SF WHEEL CHUCK	A8

L4LY0025





L4LY0025

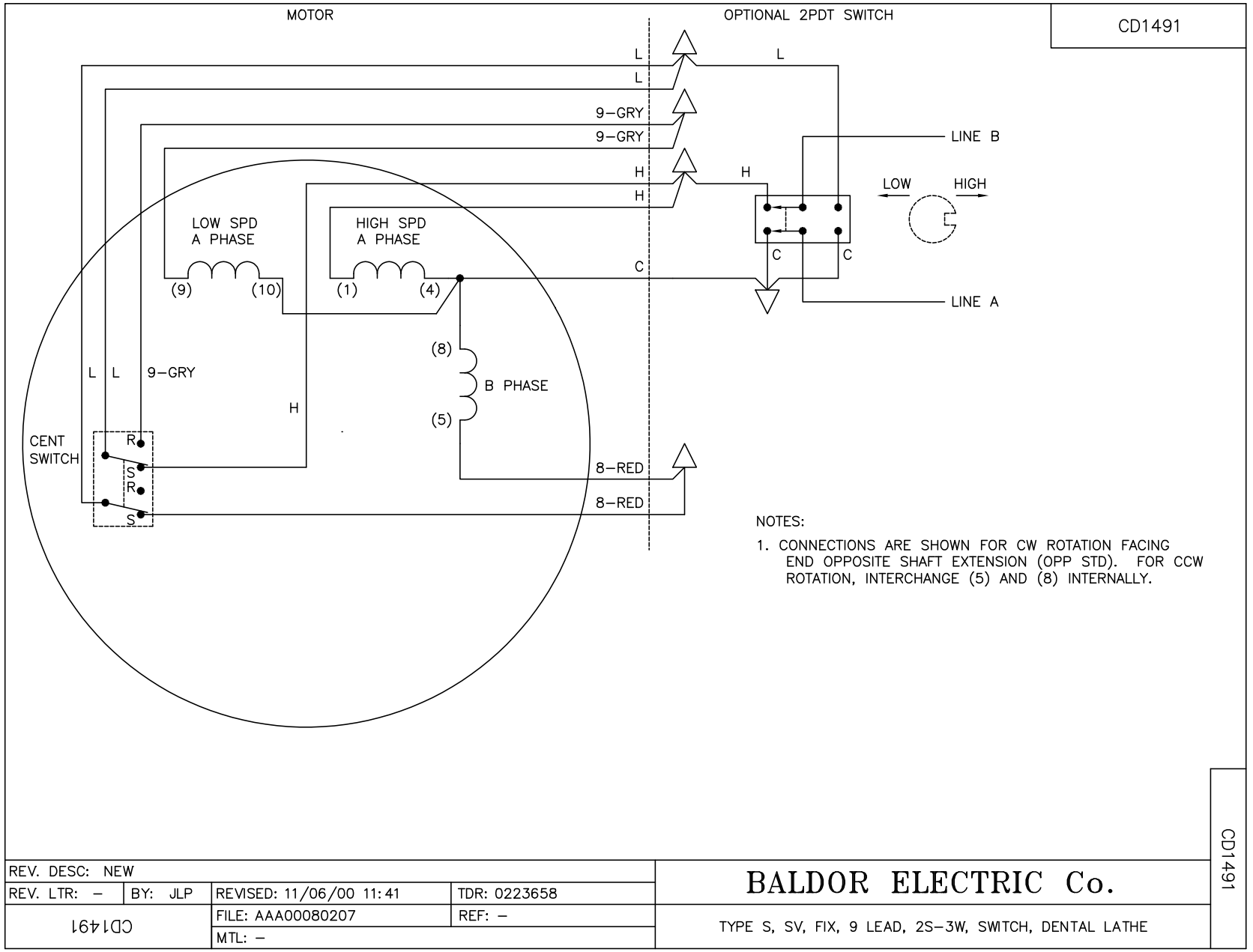
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REPLACE "DENTAL" WITH "POLISHING" TO DESCRIPTION		
REV. LTR: E	VERSION: 02	TDR: 000000826174
FILE: \AAA\00091\086	REVISED: 09:29:15 11/14/2013	BY: ENMAIYO
MTL: –		

BALDOR

SPL 34 POLISHING LATHE TENV 424S TWO SPEED

SH 1 of 1


MOTOR
OPTIONAL 2PDT SWITCH
CD1491
L
L
9–GRY
9–GRY
H
H
LOW SPD
A PHASE
HIGH SPD
A PHASE
(9)
(10)
(1)
(4)
C
L
L
LINE B
H
LOW
HIGH
C
C
LINE A
(8)
B PHASE
(5)
L L 9–GRY
H
CENT
SWITCH
R
S
R
S
8–RED
8–RED
NOTES:
1. CONNECTIONS ARE SHOWN FOR CW ROTATION FACING END OPPOSITE SHAFT EXTENSION (OPP STD). FOR CCW ROTATION, INTERCHANGE (5) AND (8) INTERNALLY.
CD1491
REV. DESC: NEW
REV. LTR: – BY: JLP
REVISED: 11/06/00 11:41
TDR: 0223658
FILE: AAA00080207
REF: –
MTL: –
CD1491
BALDOR ELECTRIC Co.
TYPE S, SV, FIX, 9 LEAD, 2S–3W, SWITCH, DENTAL LATHE
CD1491