ABB BALDOR RELIANCE

Customer information packet

248-183TD

1.5HP, 3600RPM, 3PH, 60HZ, 3535M, 3535M, TENV

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 11:44:53 PM

Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	60.00 Hz
	60.00 Hz
Motor Letter Type	Three Phase
Number of Poles	2
	2
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
	3
Product Style	PIVOT BELT SANDER
Speed	3600 rpm
	3600 rpm
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage	208 V
	230 V
	460 V
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Ambient Temperature	40 °C
Base Indicator	Rigid
Current @ Voltage	2.000 A @ 460.0 V
	4.000 A @ 230.0 V
	4.200 A @ 208.0 V
Duty Rating	CONT
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	Other
Motor Type	3535M
Mounting Arrangement	F1

Part Detail

Revision	AX
Type	AC
Mech. spec.	B2-6
Base	
Status	PRD/A
Elec. spec.	G8WG0318
Layout	B2LY0006
Eff. date	12-15-2021
CD Diagram	CD0005
Poles	02
Leads	9#18 12" LG Y
Proprietary	False
Created date	01-01-0001

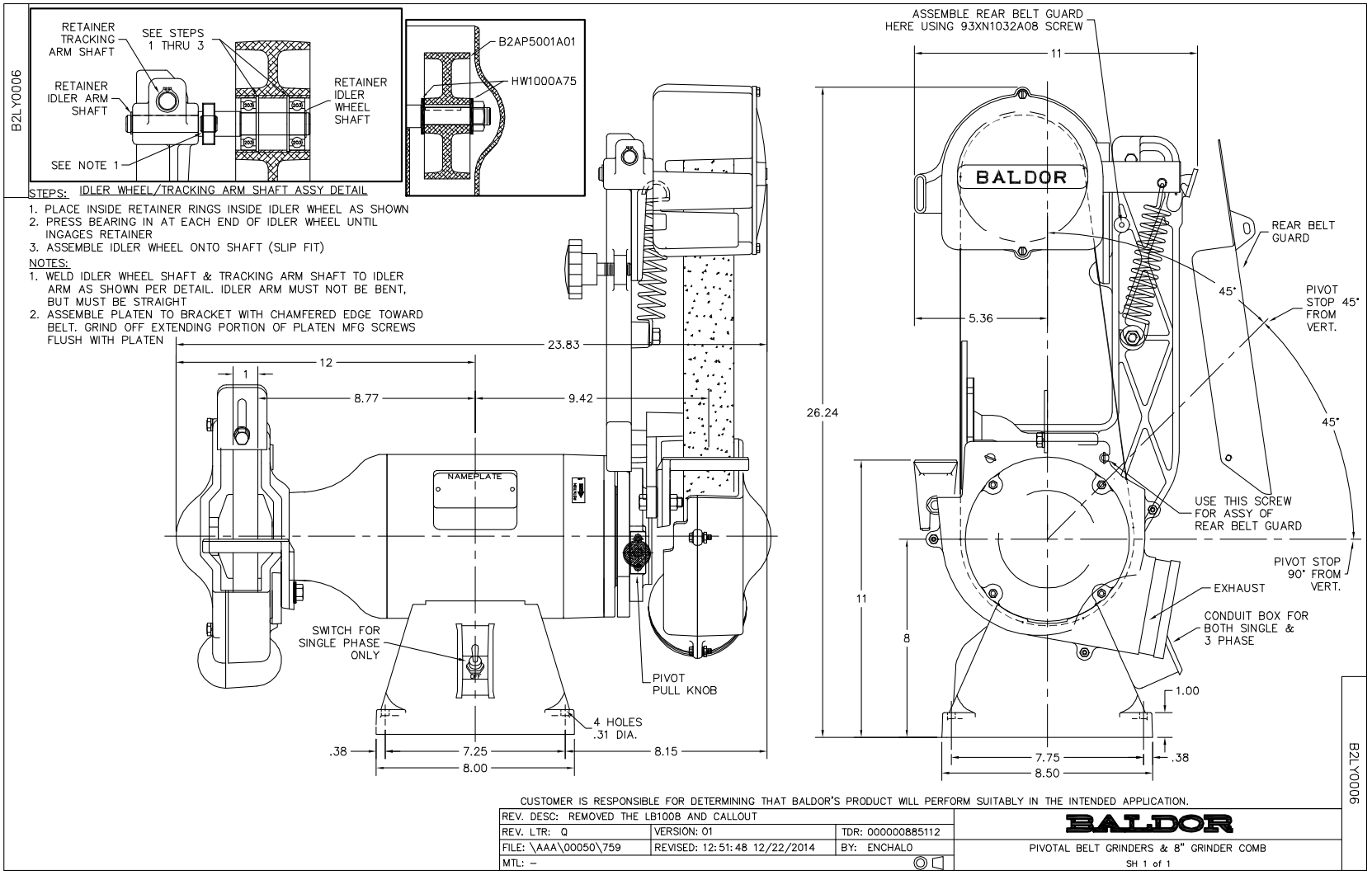
Product Family	Pivot Belt Sander
Service Factor	1.00
Shaft Extension Location	Pulley End
Shaft Rotation	Phase Seq-Opp Std Rot (CWODE)
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

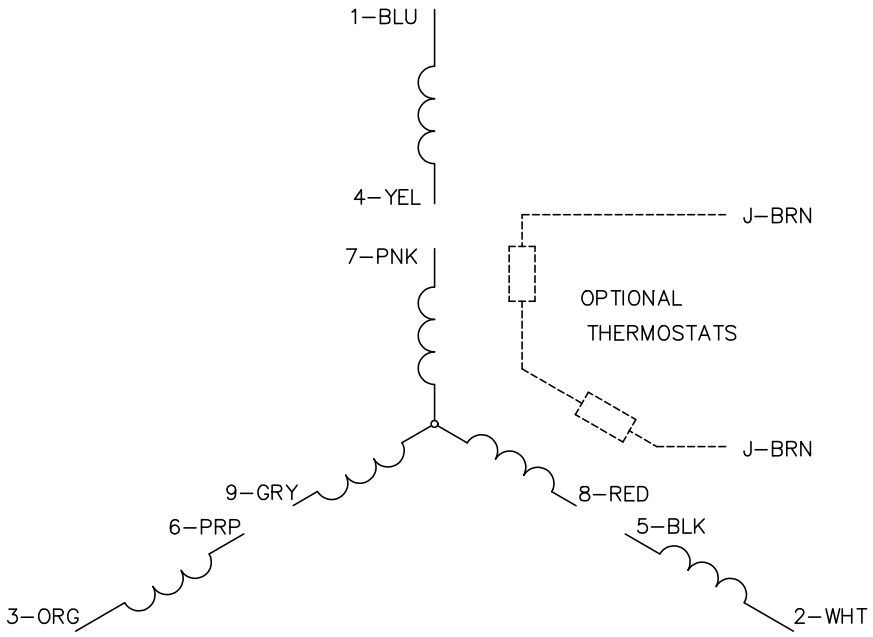
NP3118			
CAT.NO.	248-183TD		
HP	1.5	**VOLTS**	208-230/460
PHASE	3	**AMPS**	4.2-4/2
HZ	60	**RPM**	3600
SER.NO			
SPEC.	B2-6C		

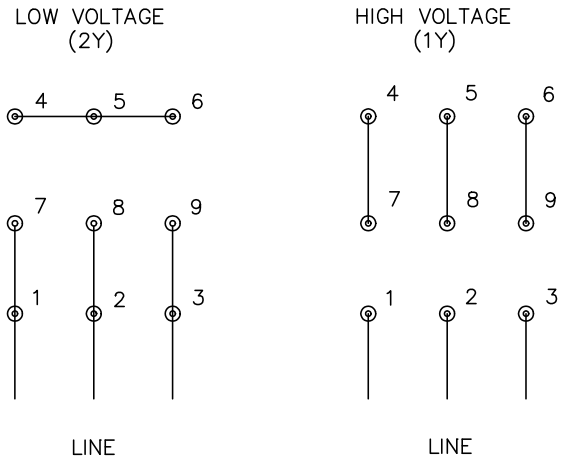
Accessories

Part number	Description	Multiplier
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA20E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
AB248	2' X 48" 80 GRIT GRINDER BELT	A8


B2LY0006
RETAINER TRACKING ARM SHAFT
SEE STEPS 1 THRU 3
RETAINER IDLER ARM SHAFT
RETAINER IDLER WHEEL SHAFT
SEE NOTE 1
B2AP5001A01
HW1000A75
IDLER WHEEL/TRACKING ARM SHAFT ASSY DETAIL
STEPS:
1. PLACE INSIDE RETAINER RINGS INSIDE IDLER WHEEL AS SHOWN
2. PRESS BEARING IN AT EACH END OF IDLER WHEEL UNTIL INGAGES RETAINER
3. ASSEMBLE IDLER WHEEL ONTO SHAFT (SLIP FIT)
NOTES:
1. WELD IDLER WHEEL SHAFT & TRACKING ARM SHAFT TO IDLER ARM AS SHOWN PER DETAIL. IDLER ARM MUST NOT BE BENT, BUT MUST BE STRAIGHT
2. ASSEMBLE PLATEN TO BRACKET WITH CHAMFERED EDGE TOWARD BELT. GRIND OFF EXTENDING PORTION OF PLATEN MFG SCREWS FLUSH WITH PLATEN
23.83
12
1
8.77
9.42
NAMEPLATE
SWITCH FOR SINGLE PHASE ONLY
PIVOT PULL KNOB
4 HOLES .31 DIA.
.38
7.25
8.15
8.00
ASSEMBLE REAR BELT GUARD HERE USING 93XN1032A08 SCREW
11
BALDOR
REAR BELT GUARD
45°
PIVOT STOP 45° FROM VERT.
5.36
26.24
45°
USE THIS SCREW FOR ASSY OF REAR BELT GUARD
PIVOT STOP 90° FROM VERT.
EXHAUST
CONDUIT BOX FOR BOTH SINGLE & 3 PHASE
11
8
1.00
.38
7.75
8.50
B2LY0006
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: REMOVED THE LB1008 AND CALLOUT
REV. LTR: Q
VERSION: 01
TDR: 000000885112
FILE: \AAA\00050\759
REVISED: 12:51:48 12/22/2014
BY: ENCHALO
MTL: –
BALDOR
PIVOTAL BELT GRINDERS & 8" GRINDER COMB
SH 1 of 1

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