ABB BALDOR RELIANCE

Customer information packet

1457

5HP, 1000/1200RPM, 3PH, 50/60HZ, 3744M, BUFF

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Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
	50.00 Hz
	60.00 Hz
Motor Letter Type	Three Phase
Nameplate Output	5
Number of Poles	6
	6
Output @ Frequency	5.000 HP @ 60 HZ
	5.000 HP @ 50 HZ
Phase	3
	3
Product Style	GRINDER
Speed	1000 rpm
	1200 rpm
	1000 rpm
	1200 rpm
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage	208 V
	230 V
	460 V
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 50 HZ
	230.0 V @ 60 HZ
	460.0 V @ 50 HZ
	460.0 V @ 60 HZ
	208.0 V @ 50 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Base Indicator	Rigid

Part Detail

Revision	X
Type	AC
Mech. spec.	G14-117
Base	
Status	PRD/A
Elec. spec.	G4WG0039
Layout	G4LY0117
Eff. date	02-11-2022
CD Diagram	CD0258
Poles	06
Leads	9#14 11"FROM ENDTURN Y
Proprietary	False
Created date	01-01-0001

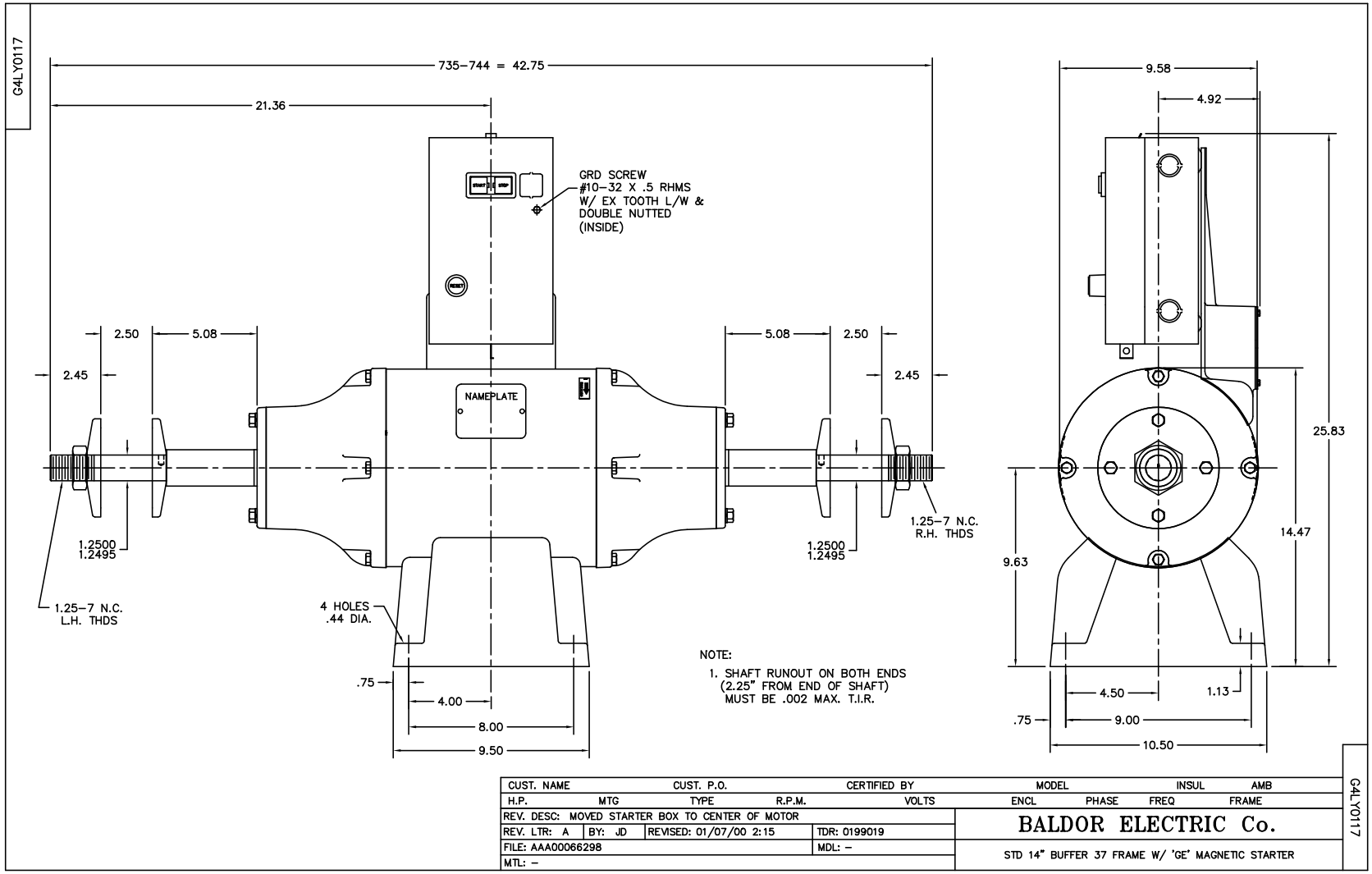
Current @ Voltage	7.600 A @ 460.0 V 7.600 A @ 230.0 V 16.800 A @ 208.0 V 15.200 A @ 230.0 V
Design Code	B
Duty Rating	CONT
Insulation Class	B
KVA Code	F
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Standards	Other
Motor Type	3744M
Mounting Arrangement	F1
Product Family	Buffer
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Phase Seq-Opp Std Rot (CWODE)
Speed Code	Single Speed
Starting Method	Direct on line

Nameplate

NP3411L				
CAT.NO.	1457			
HP	5	**VOLTS**		230
PHASE	3	**AMPS**	15.2	
HZ	50//60	**RPM**	1000//1200	
SER.NO				
SPEC.	G14-117B-0039G1			
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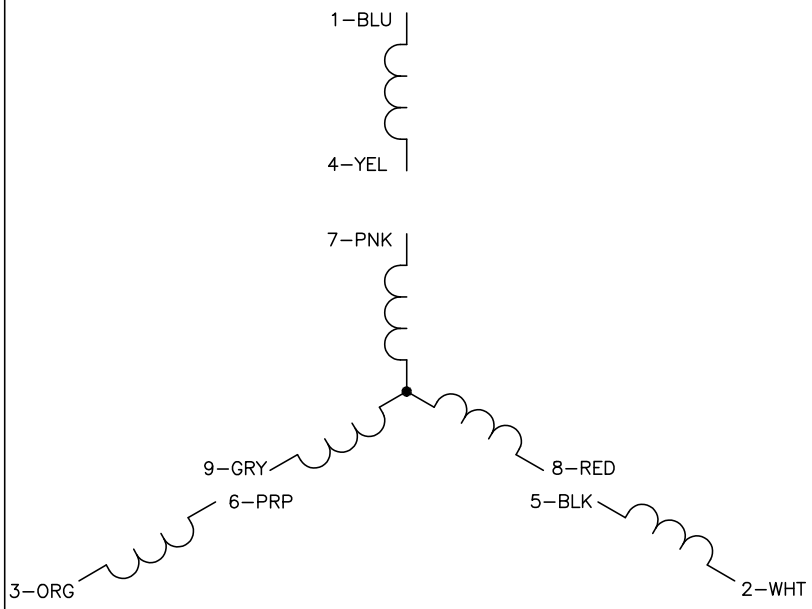
Accessories

Part number	Description	Multiplier
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8


G4LY0117
735–744 = 42.75
21.36
GRD SCREW
#10–32 X .5 RHMS
W/ EX TOOTH L/W &
DOUBLE NUTTED
(INSIDE)
2.50
5.08
2.45
NAMEPLATE
5.08
2.50
2.45
1.2500
1.2495
1.25–7 N.C.
L.H. THDS
4 HOLES
.44 DIA.
.75
4.00
8.00
9.50
1.25–7 N.C.
R.H. THDS
1.2500
1.2495
NOTE:
1. SHAFT RUNOUT ON BOTH ENDS
(2.25" FROM END OF SHAFT)
MUST BE .002 MAX. T.I.R.
9.58
4.92
25.83
14.47
9.63
4.50
1.13
.75
9.00
10.50
CUST. NAME
CUST. P.O.
CERTIFIED BY
MODEL
INSUL
AMB
H.P.
MTG
TYPE
R.P.M.
VOLTS
ENCL
PHASE
FREQ
FRAME
REV. DESC: MOVED STARTER BOX TO CENTER OF MOTOR
REV. LTR: A
BY: JD
REVISED: 01/07/00 2:15
TDR: 0199019
FILE: AAA00066298
MDL: –
MTL: –
BALDOR ELECTRIC Co.
STD 14" BUFFER 37 FRAME W/ 'GE' MAGNETIC STARTER
G4LY0117

CD0258

MOTOR

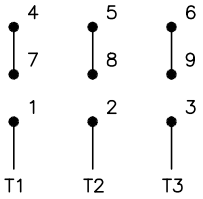


NOTES:

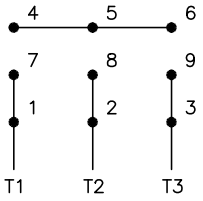
1. GROUND BASE TO BAND.
2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

STARTER BRACKET CONDUIT BOX

HIGH VOLTAGE



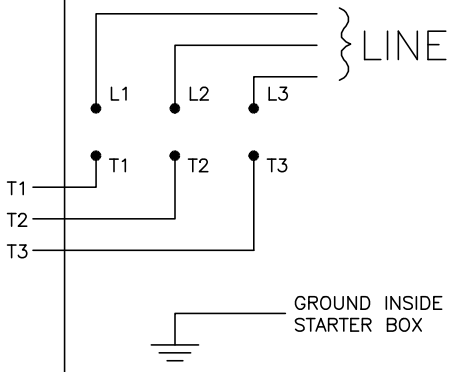
LOW VOLTAGE



NOTE:

THE MOTOR IS FACTORY CONNECTED FOR THE SAME VOLTAGE AS THE MAGNETIC STARTER. A MAGNETIC STARTER FOR THE PROPER VOLTAGE EQUIPPED WITH THE CORRECT HEATER ELEMENTS WILL BE NEEDED FOR A VOLTAGE CONNECTION CHANGE.

STARTER



NOTE:

INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

CD0258

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: EAH	REVISED: 05/05/99 11:35	TDR: 0179909
CD0258		FILE: AAA00051260	MDL: –
		MTL: –	3PH, DV, 9 LEAD, GRINDER OR BUFFER W/MAGNETIC STARTER