ABB BALDOR RELIANCE

Customer information packet

7306D

.5HP, 1800RPM, 1PH, 60HZ, 3420C, GRND

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Specifications

Enclosure	GRND
Frame Material	Steel
Frequency	60.00 Hz
	60.00 Hz
Motor Letter Type	Oil Capacitor Start and Run
Nameplate Output	.5
Number of Poles	4
	4
Output @ Frequency	.500 HP @ 60 HZ
Phase	1
	1
Product Style	GRINDER
Speed	1800 rpm
	1800 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	115 V
	230 V
Voltage @ Frequency	230.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	1.900 A @ 230.0 V
	3.800 A @ 115.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	4 @ 18 AWG
Motor Standards	Other

Part Detail

Revision	AL
Type	AC
Mech. spec.	G7-0307
Base	
Status	PRD/A
Elec. spec.	G7WG0385
Layout	G7LY0307
Eff. date	06-23-2023
CD Diagram	CD0279
Poles	04
Leads	4#18
Proprietary	False
Created date	01-01-0001

Motor Type	3420C
Mounting Arrangement	F1
Overall Length	20.89 IN
Product Family	Grinder
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

NP3118			
CAT.NO.	7306D		
HP	.5	**VOLTS**	115/230
PHASE	1	**AMPS**	3.8/1.9
HZ	60	**RPM**	1800
SER.NO			
SPEC.	G7-307-385		

Accessories

Part number	Description	Multiplier
GA16E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
B73	7" 36 GRIT GRINDING WHEEL	A8
B74	7" 60 GRIT GRINDING WHEEL	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	P1
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
DC7	DUST CONTROL UNIT	A8

AC Induction Motor Performance Data
Record # 88749
Typical performance - not guaranteed values

Winding: G7WG0385-R001	**Type:** 3420C	**Enclosure:** TENV

Nameplate Data			**115 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)		.5	**Full Load Torque**	1.53 LB-FT
Volts		115/230	**Start Configuration**	direct on line
Full Load Amps		3.8/1.9	**Breakdown Torque**	3.11 LB-FT
R.P.M.		1800	**Pull-up Torque**	0.228 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	0.275 LB-FT
NEMA Design Code	- **KVA Code**	-	**Starting Current**	19.71 A
Service Factor (S.F.)		1	**No-load Current**	1.2 A
NEMA Nom. Eff.	0 **Power Factor**	0	**Line-line Res. @ 25ºC**	2.01 Ω A Ph 22.2 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	
			Locked-rotor Power Factor	74.5
			Rotor inertia	0.0472 lb-ft²

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	83	91	94	95	95	95
Efficiency	54.9	69.7	75.3	76.7	75.1	72
Speed	1781	1765	1746	1722	1702	1678
Line amperes	1.78	2.56	3.45	3.8	5.26	5.96

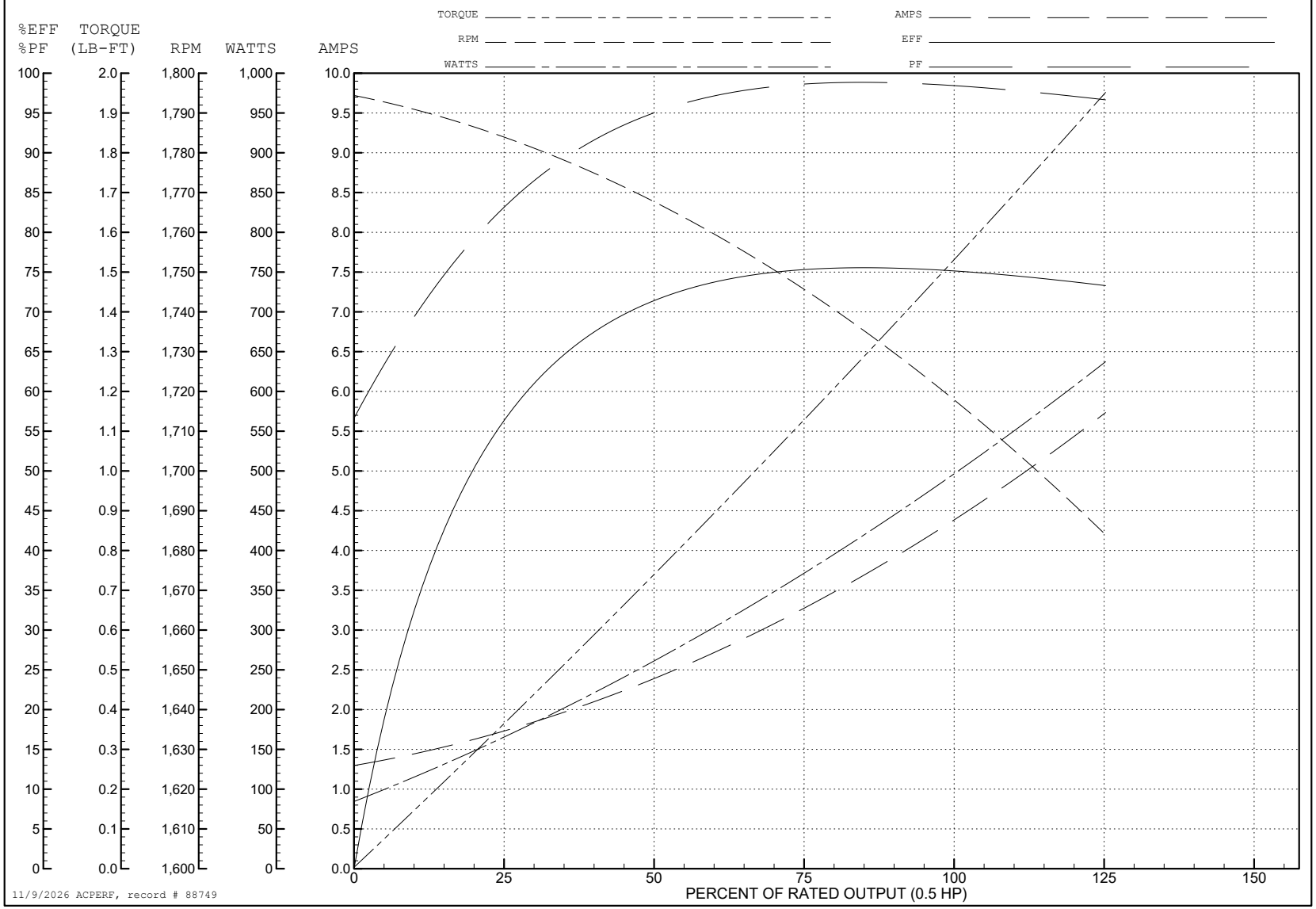
ABB Motors and Mechanical Inc.

WINDING # G7WG0385

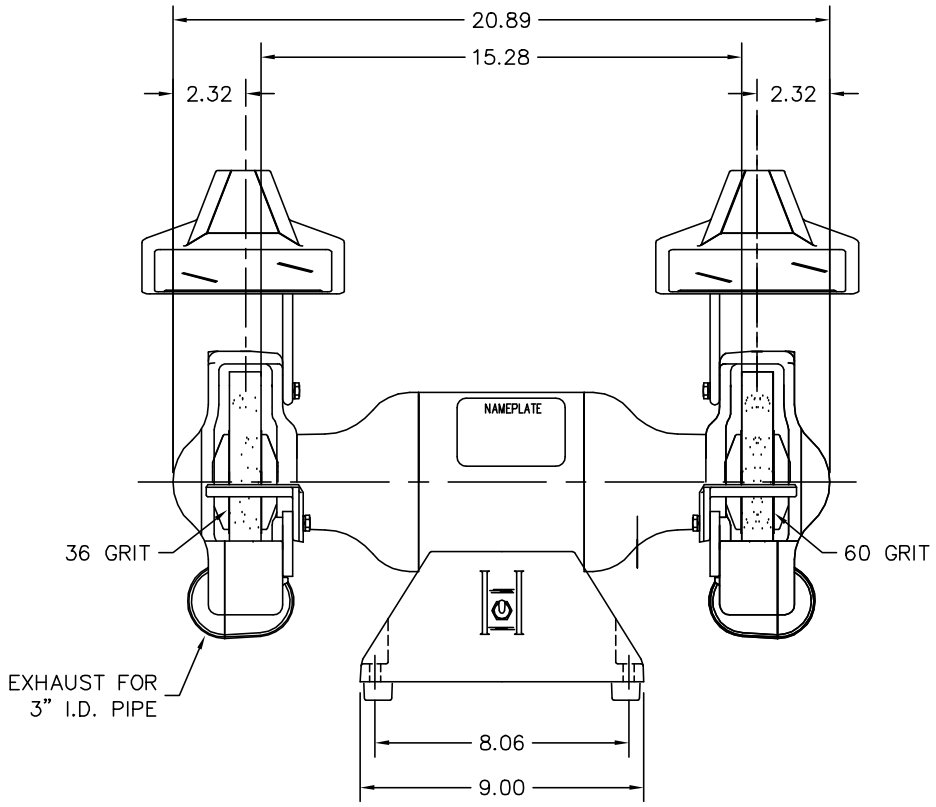
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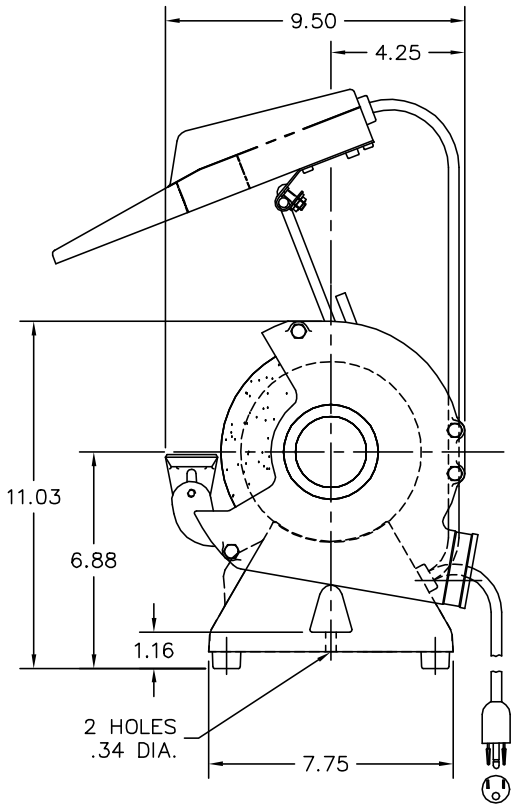
Typical performance - not guaranteed values.

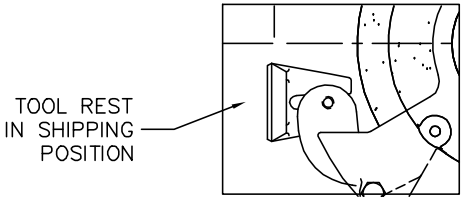
TORQUES(LB-FT): PO=3.11 PU=0.228 LR=0.275 LRA=19.71



G7LY0307







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

REV. DESC: SHOW LIGHTED EYESHIELD		
REV. LTR: K	VERSION: 02	TDR: 000000846441
FILE: \AAA\00046\129	REVISED: 04:24:58 03/31/2014	BY: ENVINWO
MTL: –		

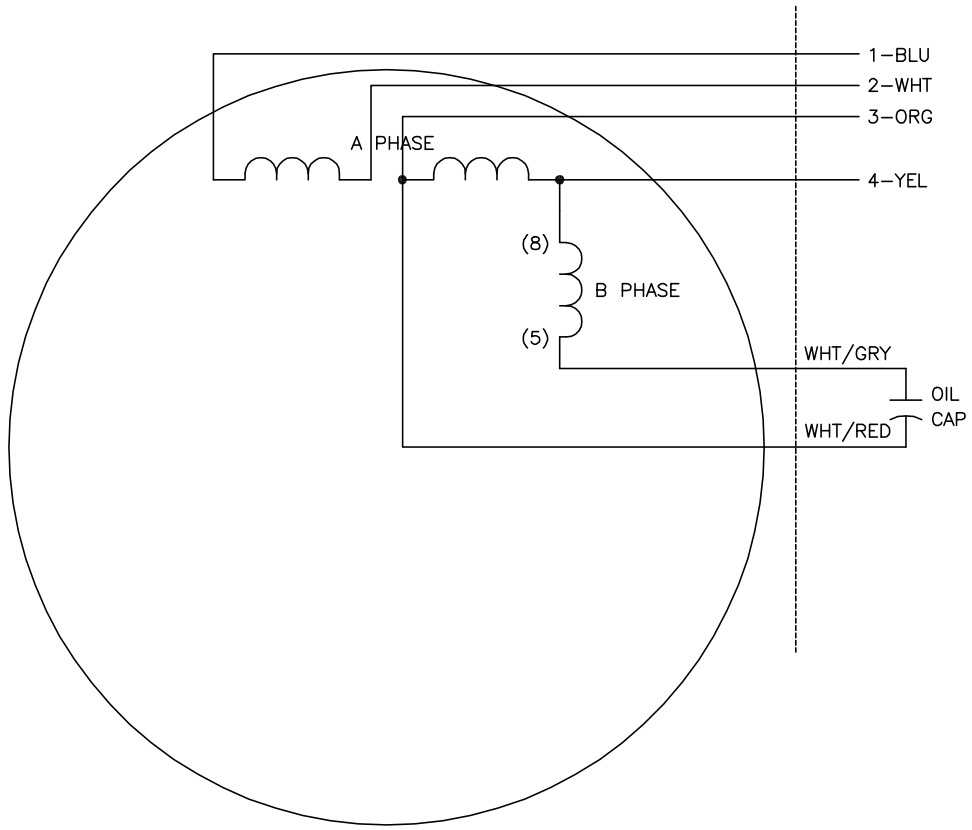
BALDOR

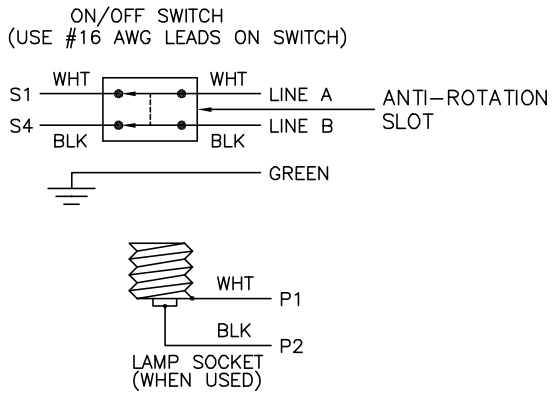
STD. 7" DELUXE GRINDER TYPE C 115V

SH 1 of 1

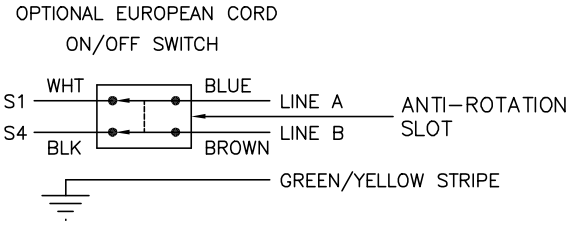
G7LY0307

CD0279





	S1	S4	JOIN
HIGH	1,P1	4	2,3,P2
LOW	1,3,P1	2,4,P2	–



NOTES:

1. CONNECTIONS ARE SHOWN FOR CW ROTATION FACING END OPPOSITE SHAFT EXTENSION (OPP STD). FOR CCW ROTATION, INTERCHANGE (5) AND (8) INTERNALLY.
2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED ANTI–ROTATION DETAIL TO RH SIDE OF SWITCH		
REV. LTR: E	VERSION: 01	TDR: 000000863536
FILE: \AAA\00028\193	REVISED: 09:52:27 07/23/2014	BY: ENCHALO
MTL: –		

BALDOR

TYPE C, DV, FIX, OPT. LIGHTED EYESHIELD, GRINDER

SH 1 of 1

CD0279