

ABB BALDOR RELIANCE III

Customer information packet 410B

1.5HP, 3600RPM, 1PH, 60HZ, 3528C, BUFF

Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	60.00 Hz 60.00 Hz
Motor Letter Type	Oil Capacitor Start and Run
Nameplate Output	1.5
Number of Poles	2 2
Output @ Frequency	1.500 HP @ 60 HZ
Phase	1 1
Product Style	BUFFER
Speed	3600 rpm 3600 rpm
Synchronous Speed @ Frequency	3600 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	13.800 A @ 115.0 V 6.900 A @ 230.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	4 @ 18 AWG
Motor Standards	Other
Motor Type	3528C

Part Detail

Revision	BH
Type	AC
Mech. spec.	G10-168
Base	
Status	PRD/A
Elec. spec.	G0WG0001
Layout	GOLY0168
Eff. date	12-15-2021
CD Diagram	CD0279
Poles	02
Leads	4#18 12" LG Y
Proprietary	False
Created date	08-08-2007

Mounting Arrangement	F1
Overall Length	29.94 IN
Product Family	Buffer
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

NP3352L			
CAT.NO.	410B		
HP	1.5	VOLTS	115/230
PHASE	1	AMPS	13.8/6.9
HZ	60	RPM	3600
SER.NO			
SPEC.	G10-168-1		
BLANK			

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
A103	10" COTTON BUFFING WHEEL (G0AP3004)	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	

AC Induction Motor Performance Data

Record # 14120

Typical performance - not guaranteed values

Winding: G0WG0001-R001			Type: 3528C		Enclosure: TENV	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5	Full Load Torque		2.4 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		13.8/6.9	Breakdown Torque		3.6 LB-FT	
R.P.M.		3600	Pull-up Torque		0.5 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		1 LB-FT	
NEMA Design Code	- KVA Code	-	Starting Current		24 A	
Service Factor (S.F.)		1	No-load Current		2.75 A	
NEMA Nom. Eff.	0 Power Factor	0	Line-line Res. @ 25°C		1.97 Ω A Ph 7.6 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125
Power Factor	49	71	80	86	88
Efficiency	70.5	76.4	78.4	74.1	63.3
Speed	3512	3429	3330	3200	2951
Line amperes	3.5	4.5	5.83	7.65	10.95

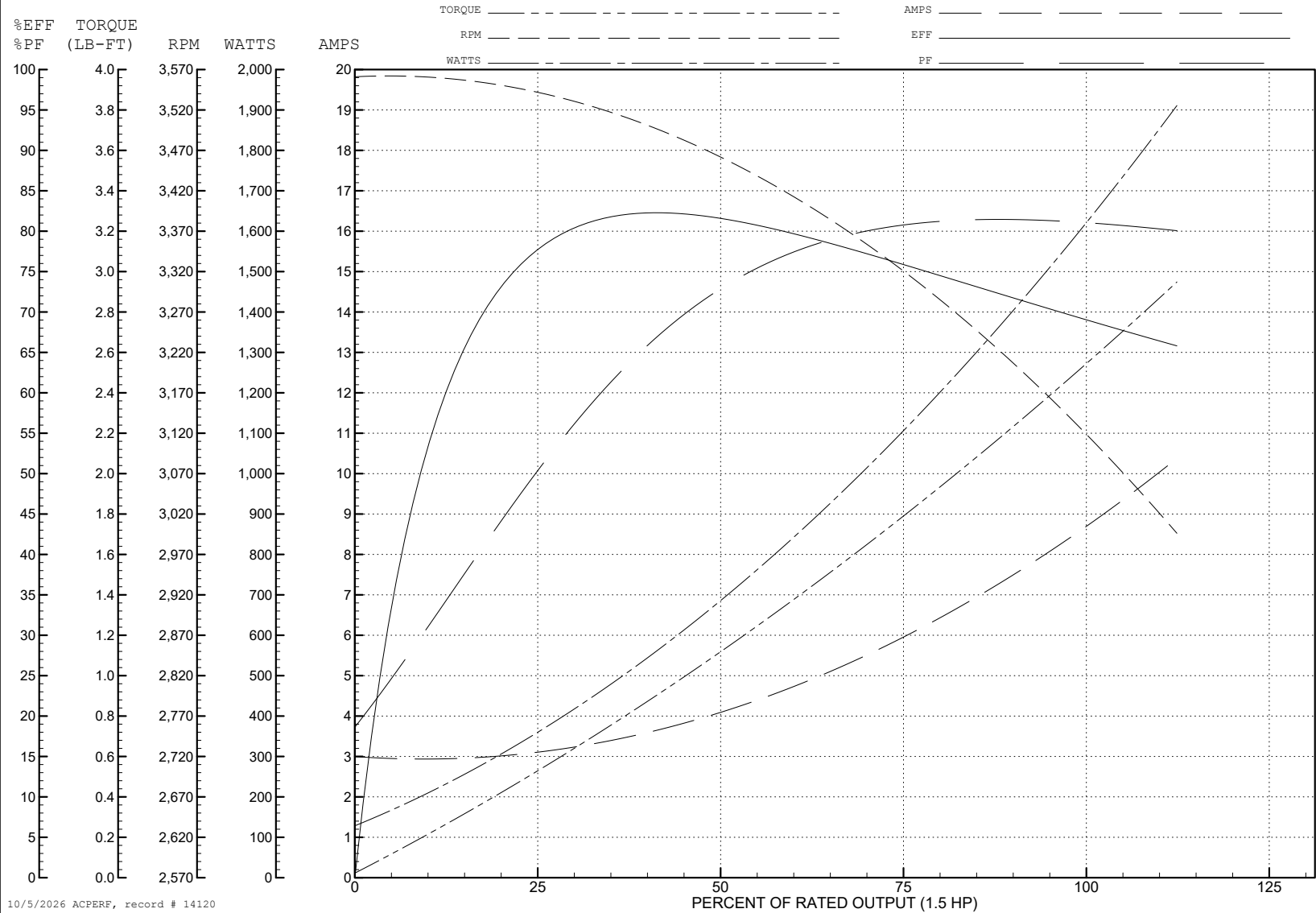
ABB Motors and Mechanical Inc.

WINDING # G0WG0001

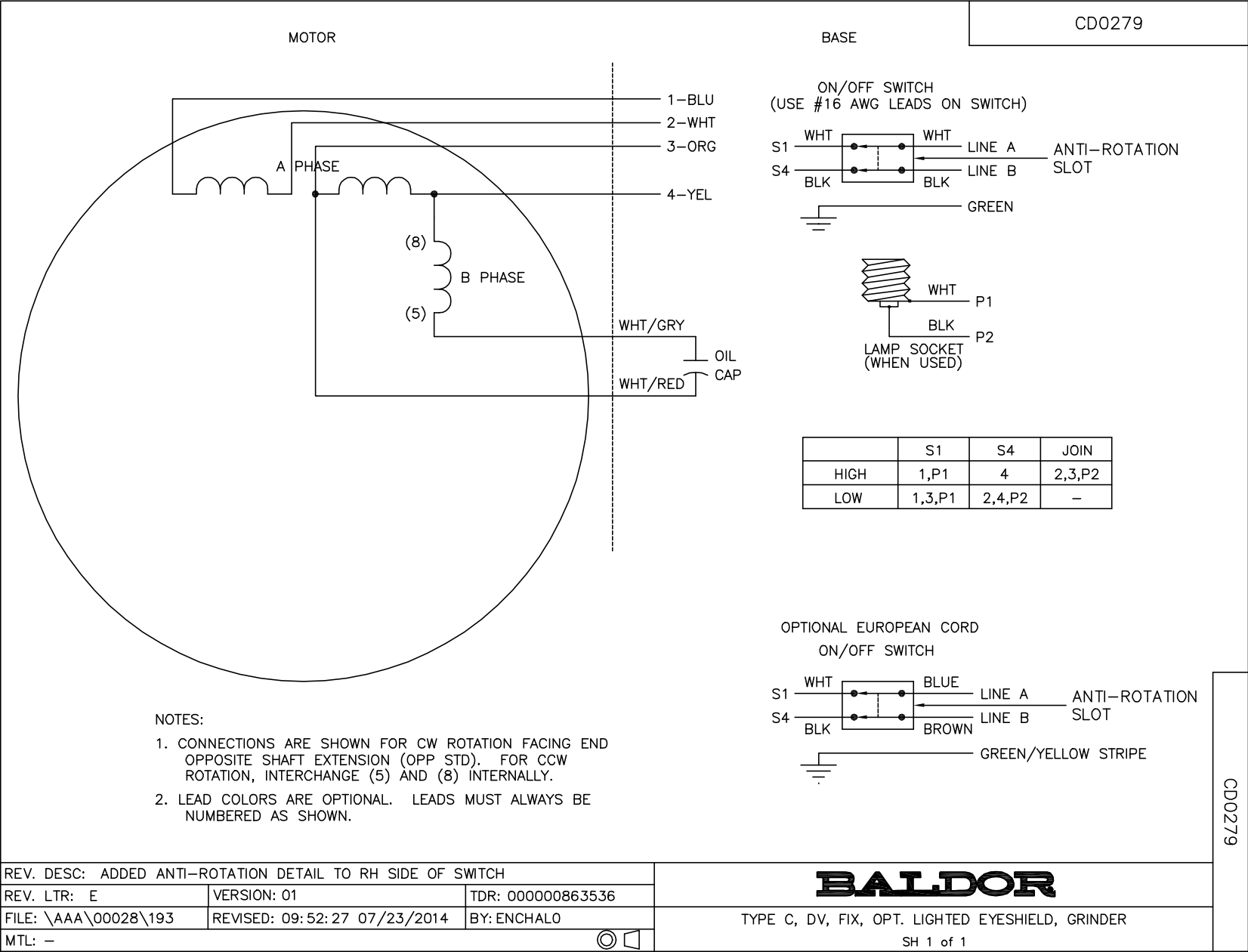
Typical performance - not guaranteed values.

1.5 HP 1 PH 60 HZ 3600 RPM 230 V 3528C

TORQUES (LB-FT): PO=3.6 PU=0.5 LR=1 LRA=24







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