ABB BALDOR RELIANCE

Customer information packet

409B

28M 4P BUFFER

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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	1.5
Number of Poles	4
	4
Output @ Frequency	1.500 HP @ 60 HZ
	1.500 HP @ 50 HZ
Phase	3
	3
Shaft Diameter	0.875 IN
	0.875 IN
Speed	1500 rpm
	1800 rpm
	1500 rpm
	1800 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	208 V
	230 V
	460 V
Voltage @ Frequency	208.0 V @ 50 HZ
	208.0 V @ 60 HZ
	460.0 V @ 60 HZ
	460.0 V @ 50 HZ
	230.0 V @ 60 HZ
	230.0 V @ 50 HZ
Agency Approvals	CSA
Ambient Temperature	40 °C
Base Indicator	Rigid

Part Detail

Revision	A
Type	AC
Mech. spec.	G10-167
Base	
Status	PRD/A
Elec. spec.	G0WG0360
Layout	G0LY0167
Eff. date	07-23-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	02-23-2023

Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	4.600 A @ 208.0 V
	4.400 A @ 230.0 V
	2.200 A @ 460.0 V
Design Code	-
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	Other
Motor Type	3528M
Mounting Arrangement	F1
Overall Length	29.94 IN
Product Family	Grinder
Service Factor	1.00
Shaft Rotation	Phase Seq-Opp Std Rot (CWODE)
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3411L					
CAT.NO.	409B				
HP	1.5		**VOLTS**		208-230/460
PHASE	3	**AMPS**		4.6-4.4/2.2	
HZ	60//50	**RPM**	1800//1500		
SER.NO					
SPEC.	G10-167G0360				
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

AC Induction Motor Performance Data
Record # 87539
Typical performance - not guaranteed values

Winding: G0WG0360-R001	**Type:** G1028M	**Enclosure:** TENV

Nameplate Data			
Rated Output (HP)			1.5
Volts			208-230/460
Full Load Amps			4.6-4.4/2.2//4.4-4/2
R.P.M.			1500//1800
Hz	50//60	**Phase**	3
NEMA Design Code	-	**KVA Code**	-
Service Factor (S.F.)			1
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT

460 V, 50 Hz: High Voltage Connection	
Full Load Torque	5.45 LB-FT
Start Configuration	direct on line
Breakdown Torque	20.26 LB-FT
Pull-up Torque	13.77 LB-FT
Locked-rotor Torque	17.79 LB-FT
Starting Current	13.88 A
No-load Current	1.27 A
Line-line Res. @ 25ºC	17.9 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	79.9
Rotor inertia	0.202 lb-ft²

Load Characteristics 460 V, 50 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	35	56	69	77	81	84
Efficiency	77.1	82.7	83	81.1	78.6	74.9
Speed	1484	1466	1447	1426	1401	1370
Line amperes	1.32	1.53	1.83	2.21	2.7	3.2

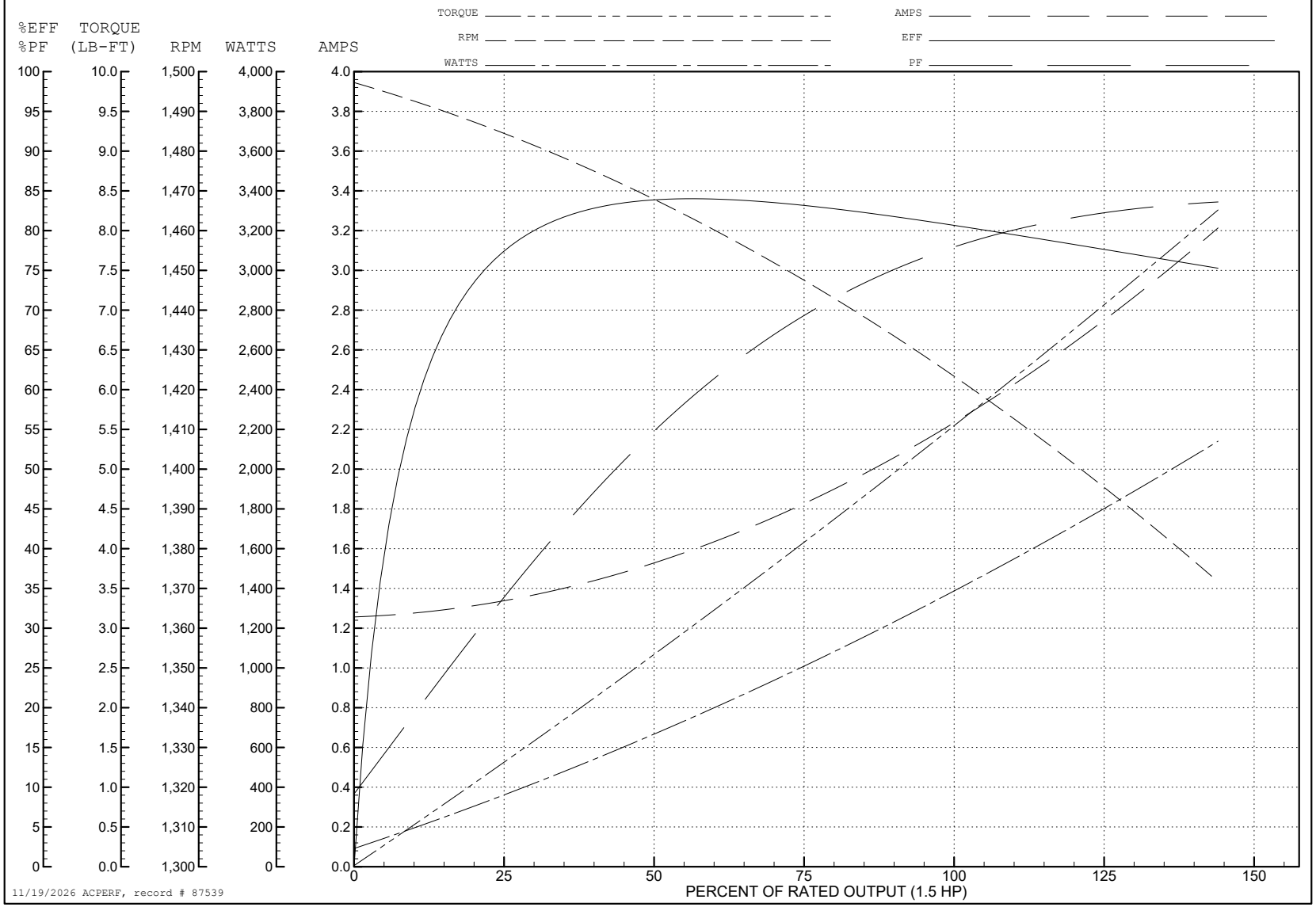
ABB Motors and Mechanical Inc.

WINDING # G0WG0360

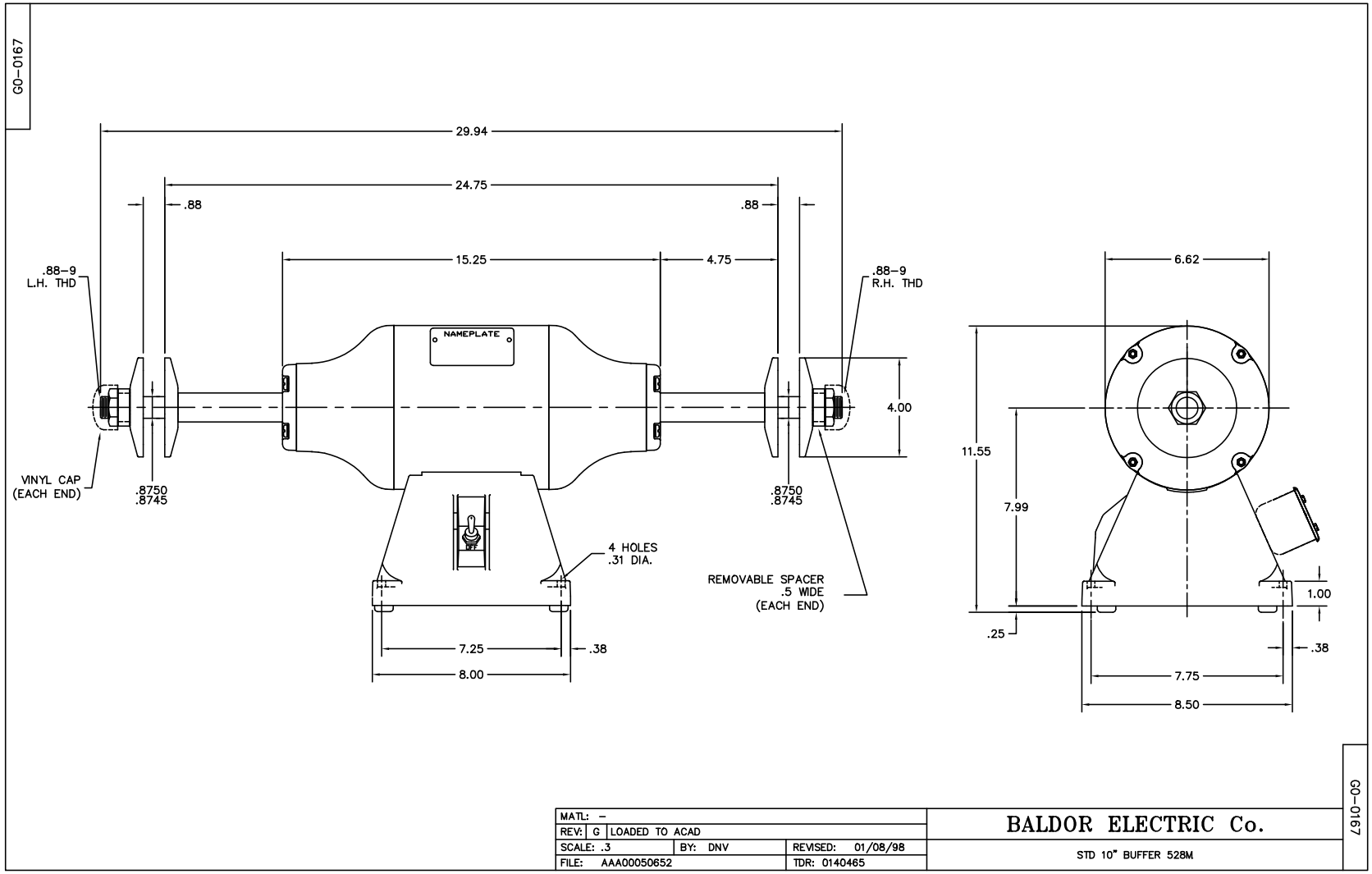
1.5 HP 3 PH 50 HZ 1426 RPM 460 V G1028M

Typical performance - not guaranteed values.

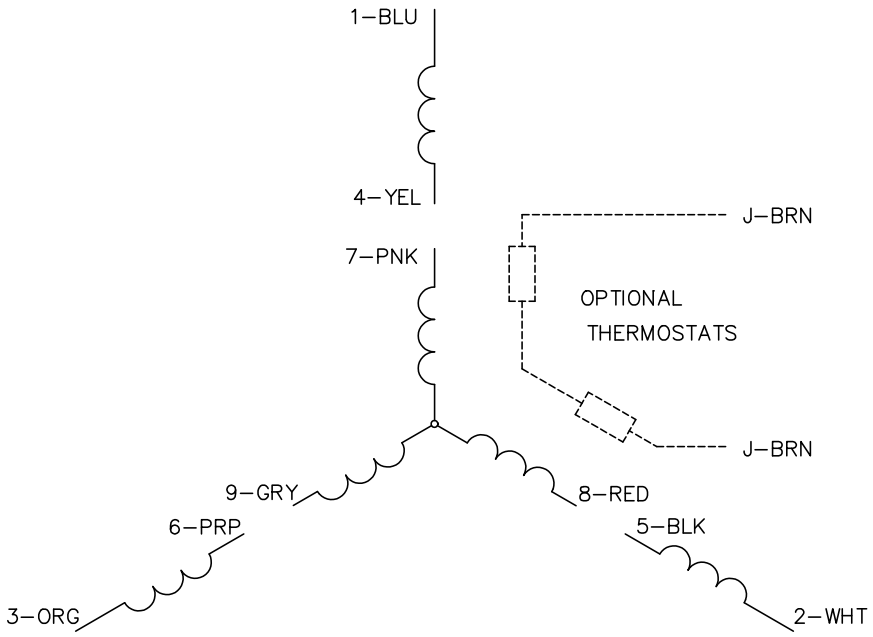
TORQUES(LB-FT): PO=20.26 PU=13.77 LR=17.79 LRA=13.88

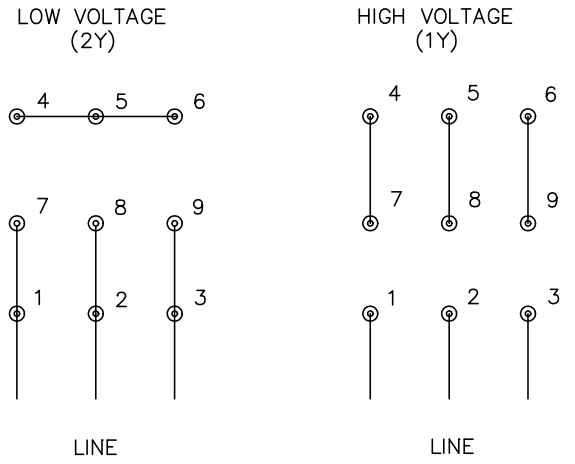


11/19/2026 ACPERF, record # 87539


G0-0167
29.94
24.75
.88
.88
15.25
4.75
.88-9
L.H. THD
.88-9
R.H. THD
NAMEPLATE
4.00
VINYL CAP
(EACH END)
.8750
.8745
.8750
.8745
4 HOLES
.31 DIA.
REMOVABLE SPACER
.5 WIDE
(EACH END)
7.25
.38
8.00
6.62
11.55
7.99
1.00
.25
.38
7.75
8.50
MATL: –
REV: G LOADED TO ACAD
SCALE: .3 BY: DNV REVISED: 01/08/98
FILE: AAA00050652 TDR: 0140465
BALDOR ELECTRIC Co.
STD 10" BUFFER 528M
G0-0167

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