ABB BALDOR RELIANCE

Customer information packet

334B

24M 4P BUFFER

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/19/2026 5:58:51 AM

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	.75
Number of Poles	4
	4
Output @ Frequency	.750 HP @ 60 HZ
	.750 HP @ 50 HZ
Phase	3
	3
Shaft Diameter	0.750 IN
	0.750 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.	G8-170
Base	
Status	PRD/A
Elec. spec.	G8WG0377
Layout	G8LY0170
Eff. date	07-17-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	02-23-2023

Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	3.000 A @ 230.0 V
	3.000 A @ 208.0 V
	1.500 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	3524M
Mounting Arrangement	F1
Overall Length	28.38 IN
Product Family	Buffer
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.	334B				
HP	.75	**VOLTS**		208-230/460	
PHASE	3	**AMPS**	3/1.5		
HZ	50//60	**RPM**	1500//1800		
SER.NO					
SPEC.	G8-170G0377				
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
A82	8" COTTON BUFFING WHEEL 3/4 " BORE	A8

AC Induction Motor Performance Data
Record # 91058
Preliminary Data Sheet

Winding: G8WG0377-R001	**Type:** G824M	**Enclosure:** TENV

Nameplate Data			
Rated Output (HP)			.75
Volts			208-230/460
Full Load Amps			2.75-2.9/1.45//2.48-2.4/1.2
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	2.69 LB-FT
Start Configuration	direct on line
Breakdown Torque	15.71 LB-FT
Pull-up Torque	12.63 LB-FT
Locked-rotor Torque	14.64 LB-FT
Starting Current	13.78 A
No-load Current	1.3 A
Line-line Res. @ 25ºC	24 Ω
Temp. Rise @ Rated Load	77°C
Locked-rotor Power Factor	83.3954
Rotor inertia	0.173 lb-ft²

Load Characteristics 460 V, 50 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	24	36	47	58	66	72
Efficiency	57.6	71.5	77.2	79	80	79.8
Speed	1489	1480	1470	1460	1449	1438
Line amperes	1.31	1.35	1.43	1.54	1.67	1.83

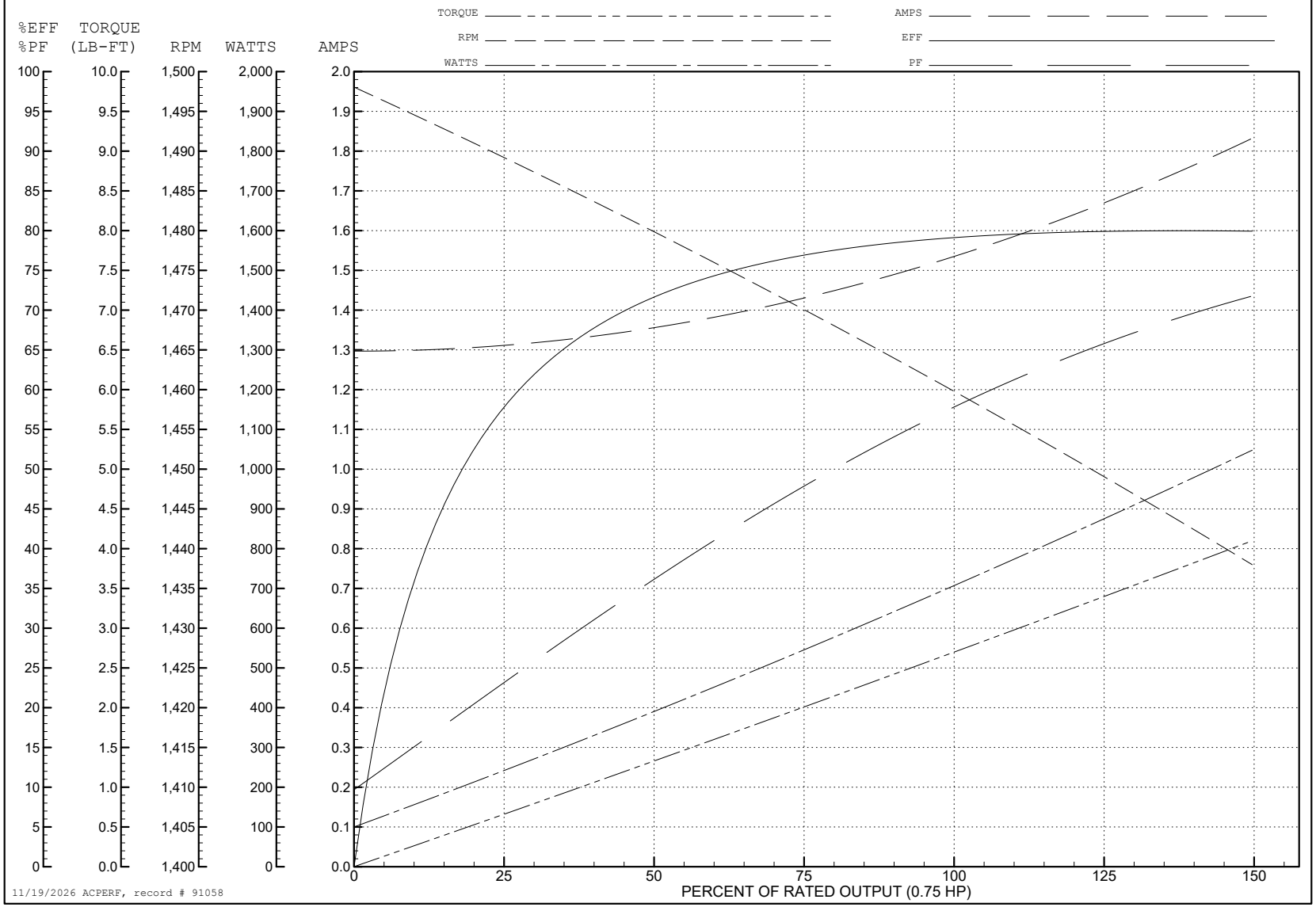
ABB Motors and Mechanical Inc.

WINDING # G8WG0377

0.75 HP 3 PH 50 HZ 1460 RPM 460 V G824M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=15.71 PU=12.63 LR=14.64 LRA=13.78



11/19/2026 ACPERF, record # 91058

AC Induction Motor Performance Data
Record # 91059
Preliminary Data Sheet

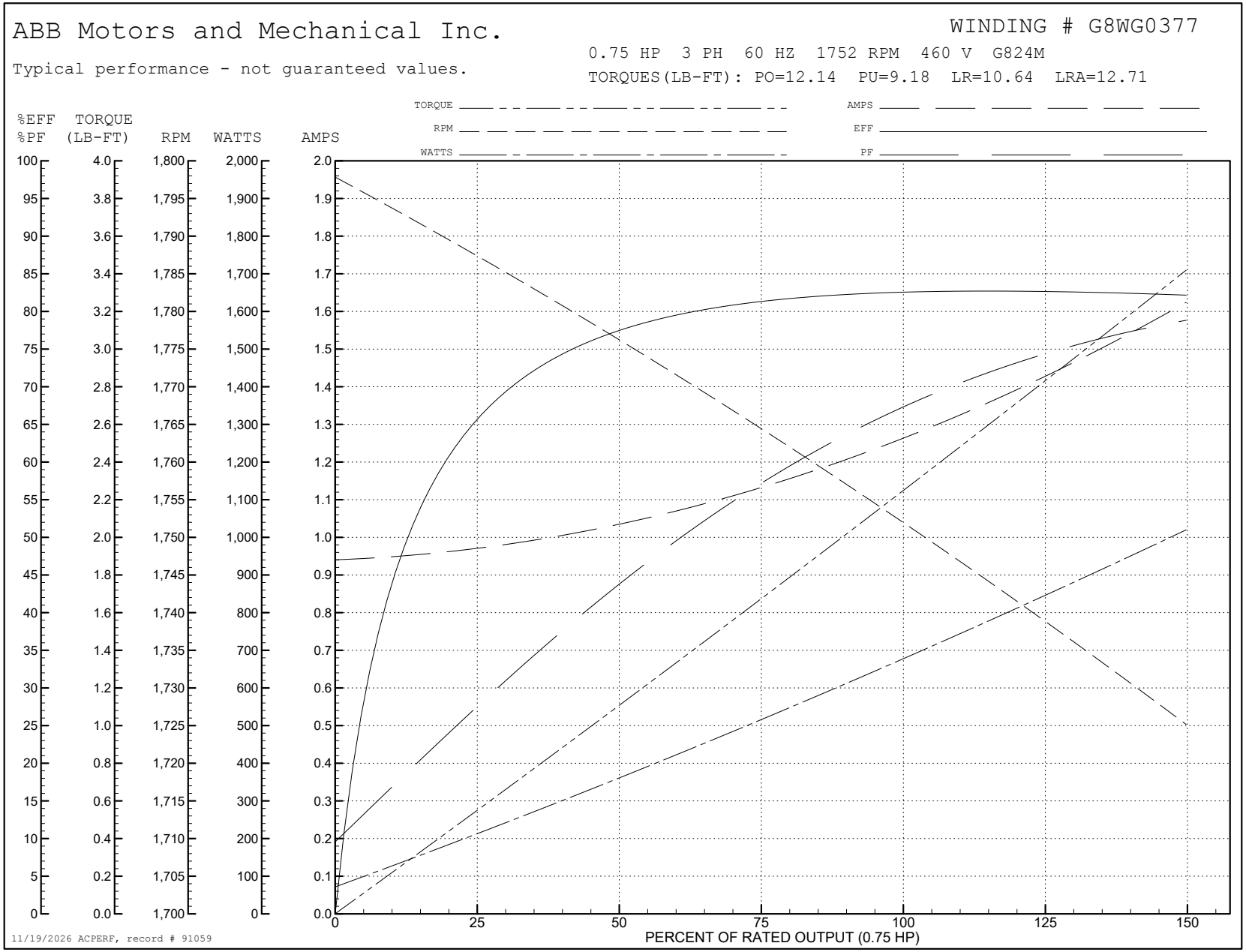
Winding: G8WG0377-R001	**Type:** G824M	**Enclosure:** TENV

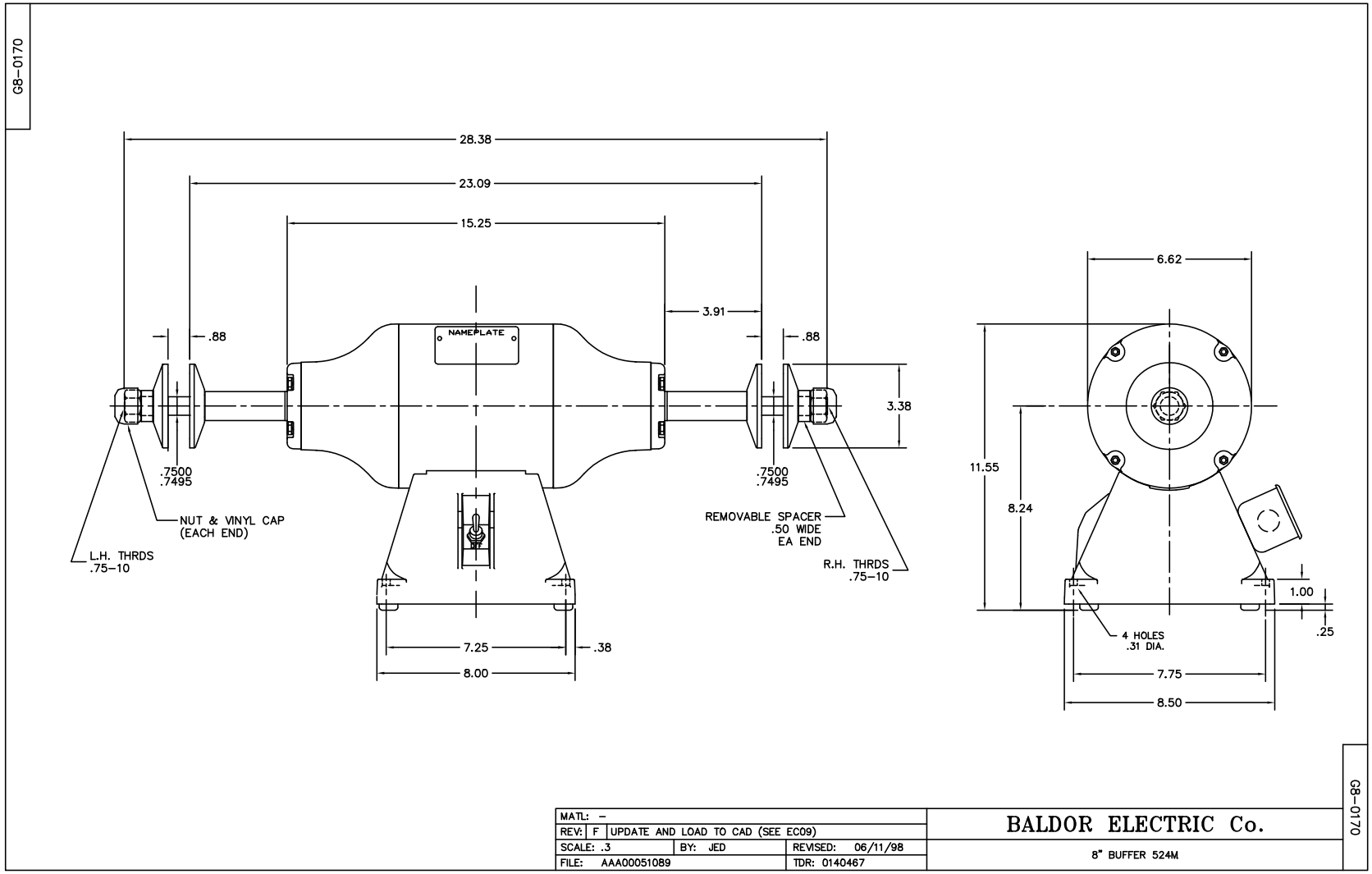
Nameplate Data			
Rated Output (HP)			.75
Volts			208-230/460
Full Load Amps			2.75-2.9/1.45//2.48-2.4/1.2
R.P.M.			1500//1800
Hz	50//60	**Phase**	3
NEMA Design Code	-	**KVA Code**	-
Service Factor (S.F.)			1
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	2.25 LB-FT
Start Configuration	direct on line
Breakdown Torque	12.14 LB-FT
Pull-up Torque	9.18 LB-FT
Locked-rotor Torque	10.64 LB-FT
Starting Current	12.71 A
No-load Current	0.946 A
Line-line Res. @ 25ºC	24 Ω
Temp. Rise @ Rated Load	55°C
Locked-rotor Power Factor	77.6342
Rotor inertia	0.173 lb-ft²

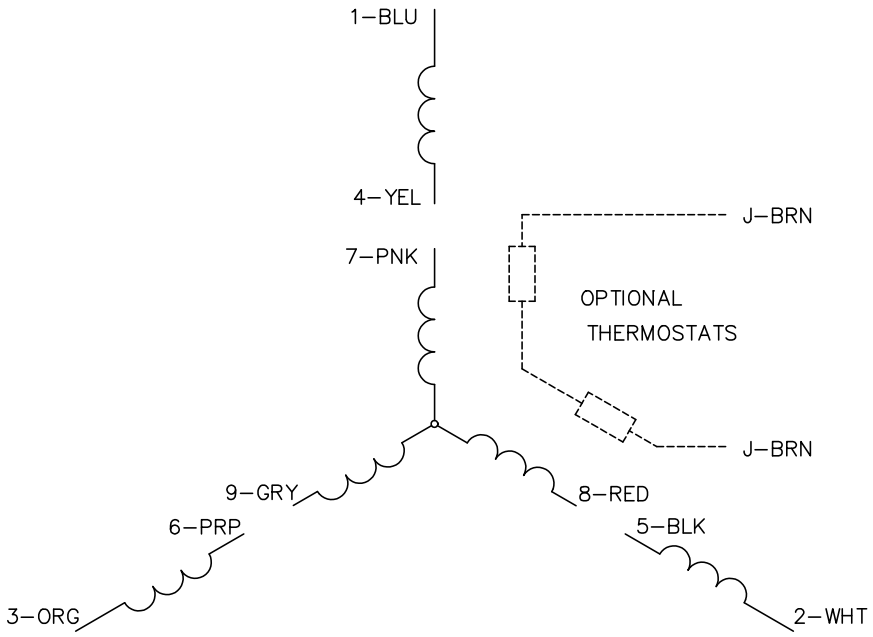
Load Characteristics 460 V, 60 Hz, 0.75 HP

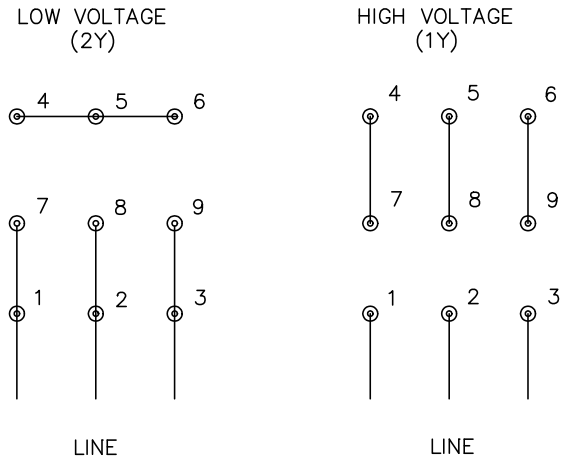
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	28	44	57	67	74	79
Efficiency	65.5	77	81.4	82.7	82.7	82
Speed	1787	1776	1765	1752	1739	1725
Line amperes	0.965	1.03	1.13	1.27	1.43	1.62


ABB Motors and Mechanical Inc.
WINDING # G8WG0377
0.75 HP 3 PH 60 HZ 1752 RPM 460 V G824M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=12.14 PU=9.18 LR=10.64 LRA=12.71
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (0.75 HP)
11/19/2026 ACPERF, record # 91059


G8-0170
28.38
23.09
15.25
3.91
.88
.88
NAMEPLATE
3.38
.7500
.7495
.7500
.7495
NUT & VINYL CAP
(EACH END)
L.H. THRDS
.75-10
REMOVABLE SPACER
.50 WIDE
EA END
R.H. THRDS
.75-10
7.25
.38
8.00
6.62
11.55
8.24
1.00
.25
4 HOLES
.31 DIA.
7.75
8.50
MATL: -
REV: F UPDATE AND LOAD TO CAD (SEE EC09)
SCALE: .3 BY: JED REVISED: 06/11/98
FILE: AAA00051089 TDR: 0140467
BALDOR ELECTRIC Co.
8" BUFFER 524M
G8-0170

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