ABB BALDOR RELIANCE

Customer information packet

ASM7510

10HP, 3450RPM, 3PH, 60HZ, 7535M, TEFC, F1

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11/20/2026 9:20:03 AM

Specifications

Enclosure	TEFC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CCSA US
	CE
	CSA
	CSA EEV
	UL
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	26.000 A @ 208.0 V
	24.000 A @ 230.0 V
	12.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	60 MIN
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AD
Type	AC
Mech. spec.	7-2000
Base	
Status	NLA/A
Elec. spec.	07WG5029
Layout	07LY2000
Eff. date	02-22-2022
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	Other
Motor Type	7535M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	17.20 IN
Product Family	Arbor Saw
Pulley End Bearing Type	Double Row Angular Contact
Pulley Face Code	Standard
Pulley Shaft Indicator	Key Only (When Non-STD)
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.750 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1264L											
CAT.NO.											
SPEC.	7-2000-5029										
HP	10 SAW DUTY										
VOLTS	230/460										
AMP	24/12										
RPM	3450										
FRAME			**HZ**	60		**PH**	3				
SER.F.	1.15	**CODE**	J	**DES**	A	**CL**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-INT. DUTY 60 MIN										
CC											
DE	5211	**ODE**	6206								
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 50632
Typical performance - not guaranteed values

Winding: 07WG5029-R005	**Type:** 7535M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			10 SAW DUTY
Volts			230/460
Full Load Amps			24/12
R.P.M.			3450
Hz	60	**Phase**	3
NEMA Design Code	A	**KVA Code**	J
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-60 MIN

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	15.3 LB-FT
Start Configuration	direct on line
Breakdown Torque	60.4 LB-FT
Pull-up Torque	29.2 LB-FT
Locked-rotor Torque	46.1 LB-FT
Starting Current	97 A
No-load Current	2.41 A
Line-line Res. @ 25ºC	1.4562 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	41

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	75	89	92	93	95	94	94
Efficiency	79.4	85.3	87	86.4	85	83.2	85.6
Speed	3568.8	3541.1	3510.6	3477.3	3442.1	3401.5	3456
Line amperes	3.94	6.3	9	11.8	14.5	17.6	13.4

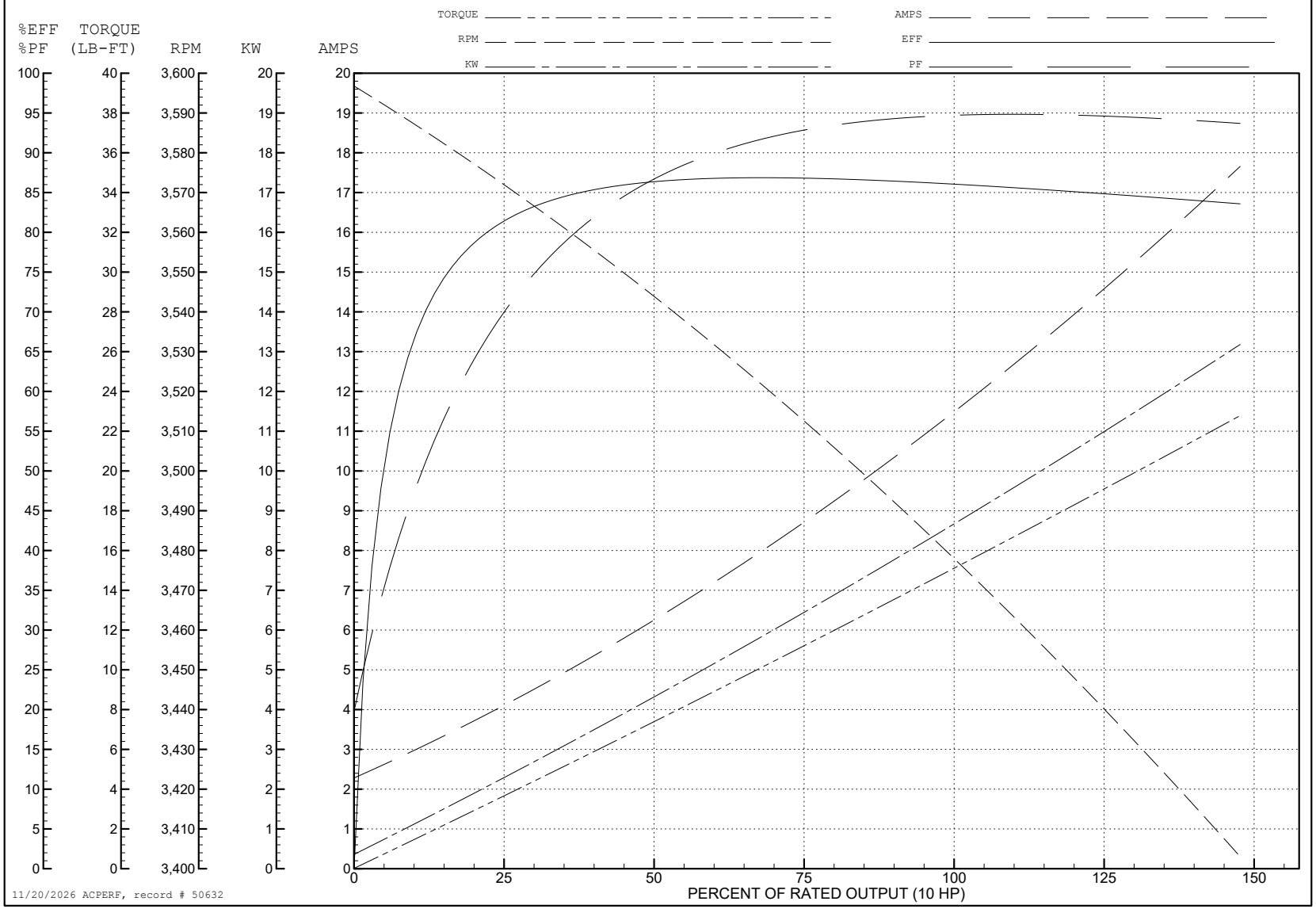
ABB Motors and Mechanical Inc.

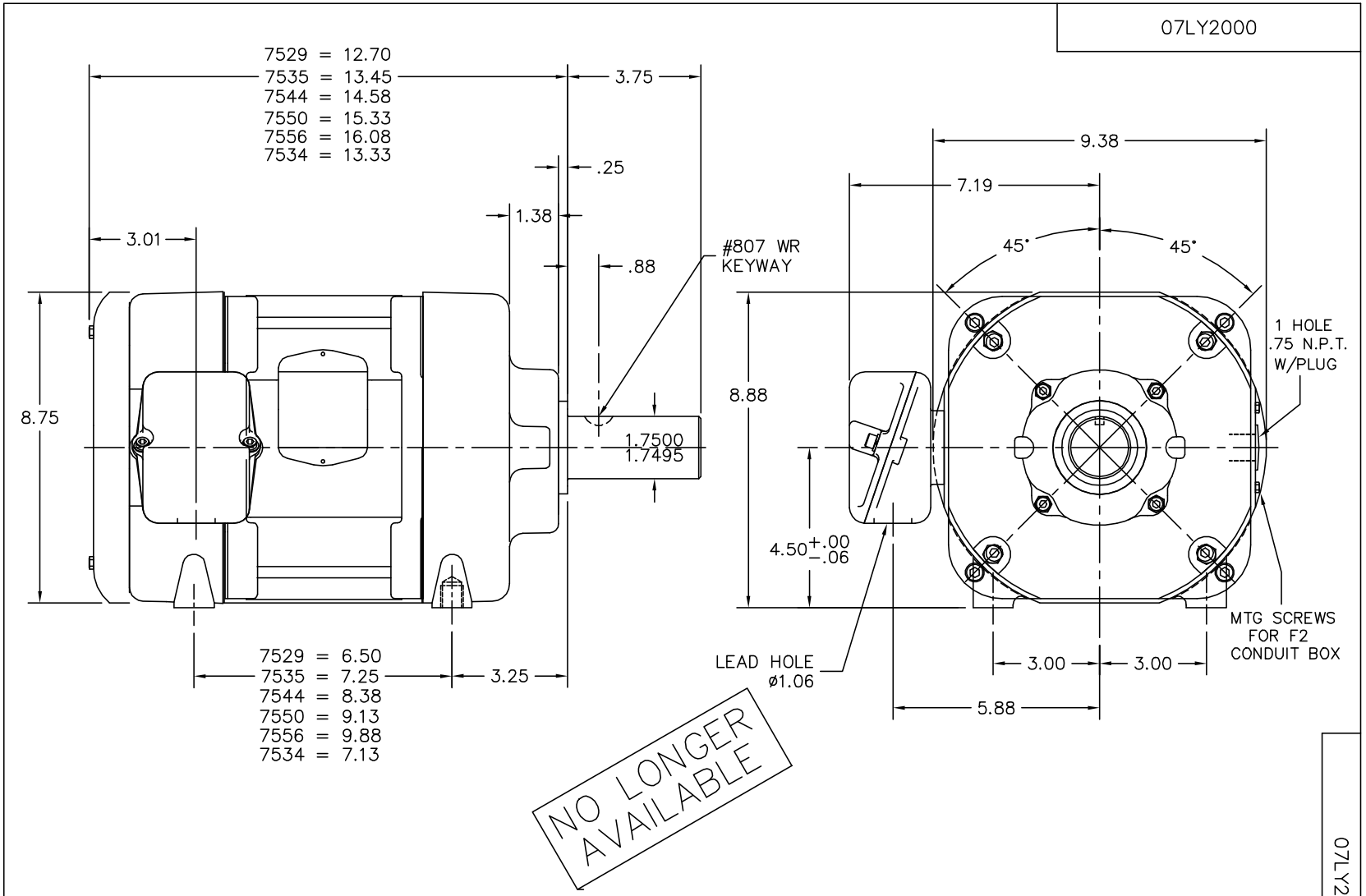
WINDING # 07WG5029

10 HP 3 PH 60 HZ 3450 RPM 460 V 7535M

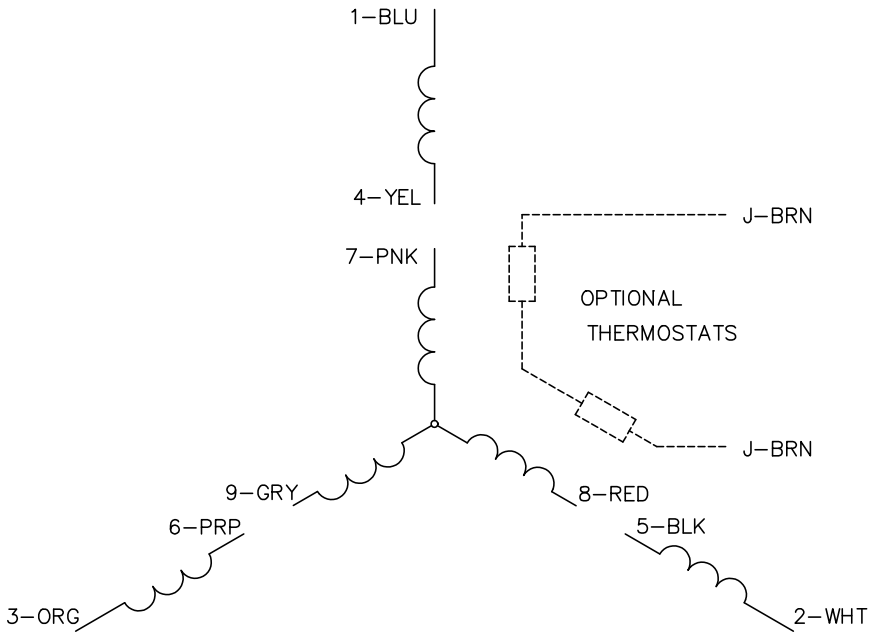
Typical performance - not guaranteed values.

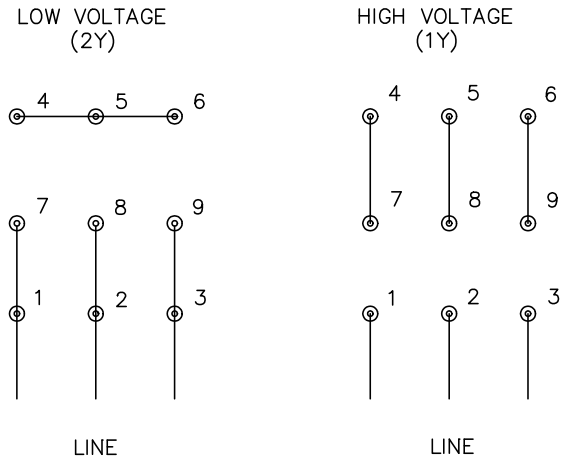
TORQUES(LB-FT): PO=60.4 PU=29.2 LR=46.1 LRA=97




07LY2000
7529 = 12.70
7535 = 13.45
7544 = 14.58
7550 = 15.33
7556 = 16.08
7534 = 13.33
3.75
.25
1.38
3.01
.88
#807 WR KEYWAY
8.75
1.7500
1.7495
7529 = 6.50
7535 = 7.25
7544 = 8.38
7550 = 9.13
7556 = 9.88
7534 = 7.13
3.25
9.38
7.19
45°
45°
1 HOLE .75 N.P.T. W/PLUG
8.88
4.50 +.00 -.06
MTG SCREWS FOR F2 CONDUIT BOX
LEAD HOLE ø1.06
3.00
3.00
5.88
NO LONGER AVAILABLE
07LY2000
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: PRODUCT LIFECYCLE, NO LONGER AVAILABLE
REV. LTR: M
VERSION: 04
TDR: 000001187185
FILE: \AAA\00053\637
REVISED: 02:21:08 03/04/2022
BY: ENFRAJ0
MTL: –
BALDOR - RELIANCE®
75M SAW ARBOR MOTOR – TEFC F1 (W/DBL ROW PU. BEARING)
SH 1 of 1

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