ABB BALDOR RELIANCE

Customer information packet

ASM7515

15HP, 3450RPM, 3PH, 60HZ, 7544M, TEFC, F1

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Specifications

Enclosure	TEFC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 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	34.500 A @ 208.0 V
	33.000 A @ 230.0 V
	16.500 A @ 460.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	30 MIN
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	AA
Type	AC
Mech. spec.	7-2000
Base	
Status	NLA/A
Elec. spec.	07WG5028
Layout	07LY2000
Eff. date	03-10-2022
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	16.5 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	7544M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	18.33 IN
Power Factor	95
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	1.00
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.	7-2000-5028								
HP	15 SAW DUTY								
VOLTS	208-230/460								
AMP	34.5-33/16.5								
RPM	3450								
FRAME			**HZ**	60		**PH**	3		
SER.F.	1.00	**CODE**	J	**DES**	-	**CL**	F		
NEMA-NOM-EFF	85.5	**PF**	95						
RATING	40C AMB-INT. DUTY 30 MIN								
CC									
DE	5211	**ODE**	6206						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 49421
Typical performance - not guaranteed values

Winding: 07WG5028-R004	**Type:** 7544M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			15 SAW DUTY	**Full Load Torque**	22.7 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			34.5-33/16.5	**Breakdown Torque**	125 LB-FT
R.P.M.			3450	**Pull-up Torque**	43 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	67.5 LB-FT
NEMA Design Code	-	**KVA Code**	J	**Starting Current**	143 A
Service Factor (S.F.)			1	**No-load Current**	3.33 A
NEMA Nom. Eff.	85.5	**Power Factor**	95	**Line-line Res. @ 25ºC**	1.0032 Ω
Rating - Duty			40C AMB-30 MIN	**Temp. Rise @ Rated Load**	93°C
				Locked-rotor Power Factor	41
				Rotor inertia	0.41 LB-FT2

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	78	91	94	96	96	96
Efficiency	83.5	87.8	87.7	86.2	84.2	81.4
Speed	3567	3537	3500	3461	3421	3369
Line amperes	5.31	8.58	12.71	17.14	21.49	26.89

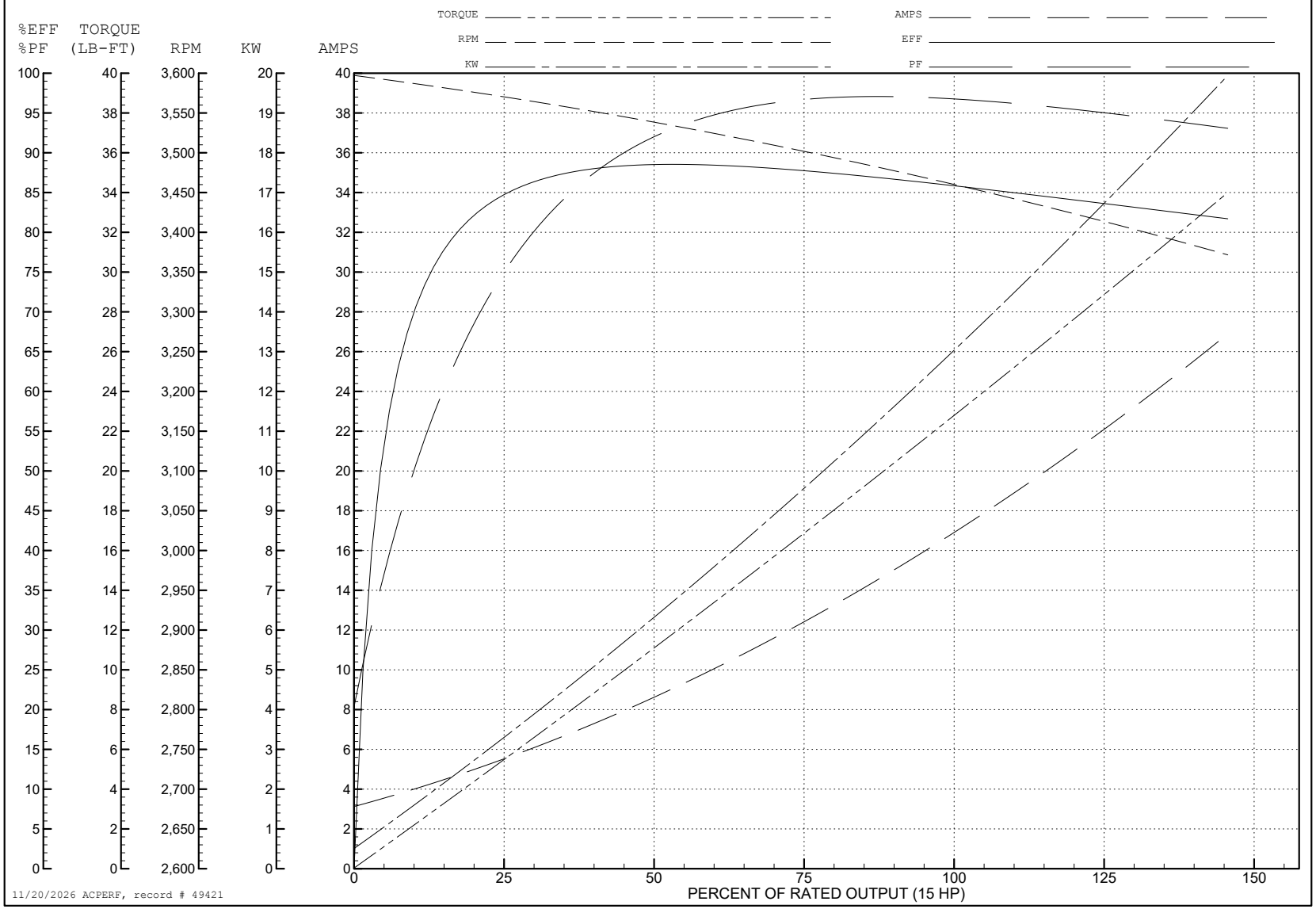
ABB Motors and Mechanical Inc.

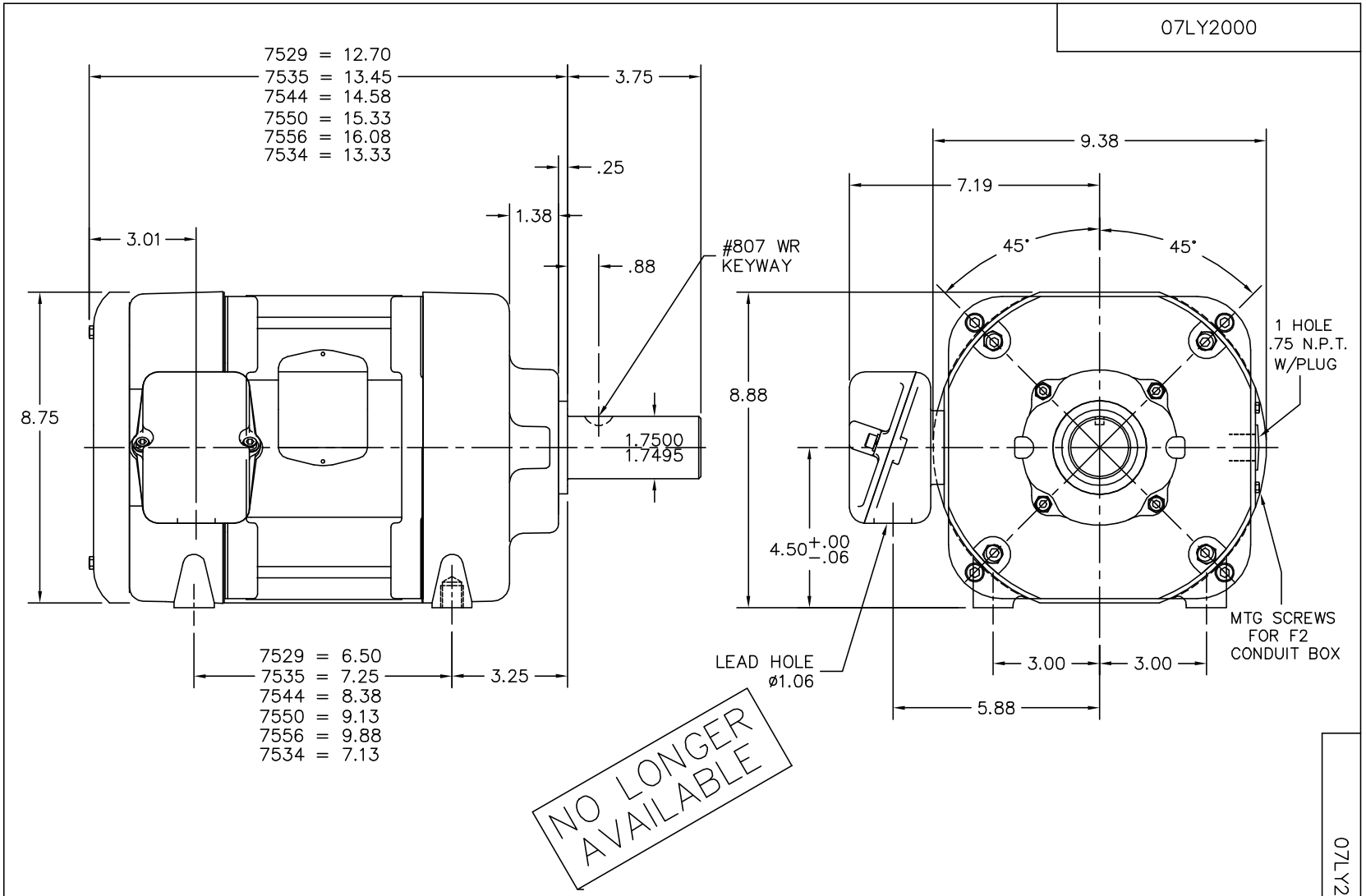
WINDING # 07WG5028

15 HP 3 PH 60 HZ 3450 RPM 460 V 7544M

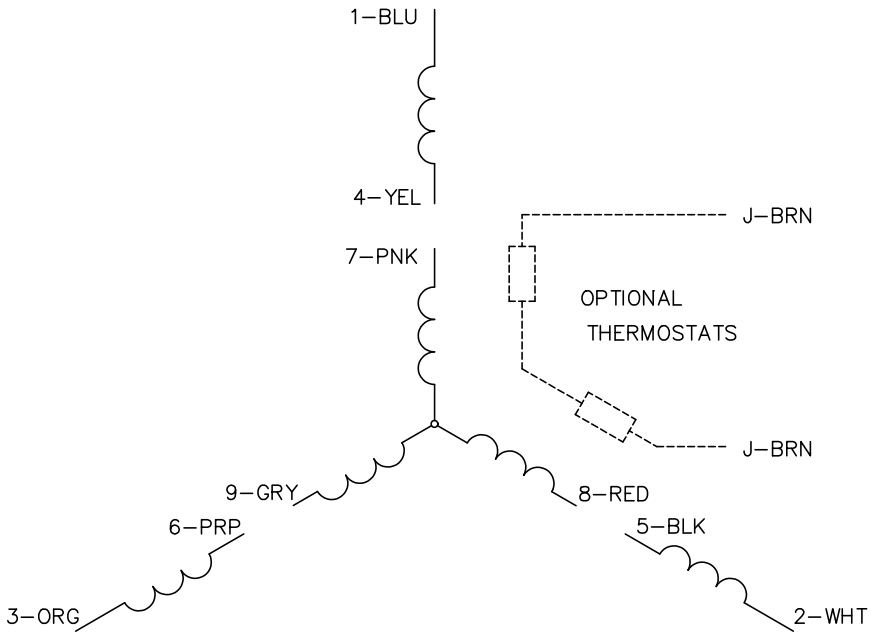
Typical performance - not guaranteed values.

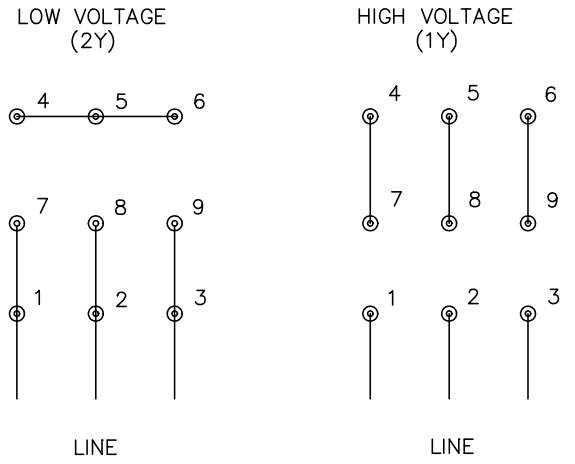
TORQUES(LB-FT): PO=125 PU=43 LR=67.5 LRA=143




07LY2000
7529 = 12.70
7535 = 13.45
7544 = 14.58
7550 = 15.33
7556 = 16.08
7534 = 13.33
3.75
.25
1.38
.88
3.01
#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