ABB BALDOR RELIANCE

Customer information packet

ASM6210

10HP, 3450RPM, 3PH, 60HZ, 6246M, TEFC, F1

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11/19/2026 5:52:47 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
	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	24.000 A @ 208.0 V
	23.000 A @ 230.0 V
	11.500 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	30 MIN
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AC
Type	AC
Mech. spec.	6-2978
Base	
Status	NLA/A
Elec. spec.	06WG6010
Layout	06LY2978
Eff. date	08-02-2022
CD Diagram	CD0005
Poles	02
Leads	9#14
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	11.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
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	6246M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.72 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
Service Factor	1.00
Shaft Diameter	1.500 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.	6-2978-6010										
HP	10 SAW DUTY										
VOLTS	208-230/460										
AMP	24-23/11.5										
RPM	3450										
FRAME			**HZ**	60		**PH**	3				
SER.F.	1.00	**CODE**	K	**DES**	A	**CL**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-INT. DUTY 30 MIN										
CC											
DE	5208	**ODE**	6205								
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 50627
Typical performance - not guaranteed values

Winding: 06WG6010-R009	**Type:** 6246M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			10 SAW DUTY	**Full Load Torque**	15.2 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			24-23/11.5	**Breakdown Torque**	68.1 LB-FT
R.P.M.			3450	**Pull-up Torque**	47.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	58.8 LB-FT
NEMA Design Code	A	**KVA Code**	K	**Starting Current**	103 A
Service Factor (S.F.)			1	**No-load Current**	2.57 A
NEMA Nom. Eff.	0	**Power Factor**	0	**Line-line Res. @ 25ºC**	1.3518 Ω
Rating - Duty			40C AMB-30 MIN	**Temp. Rise @ Rated Load**	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	74	88	92	93	94	95
Efficiency	79.7	85.7	87.3	86.9	85.4	83.3
Speed	3565.2	3532.5	3496	3457	3409.4	3360.2
Line amperes	4.02	6.36	8.82	11.5	14.5	17.4

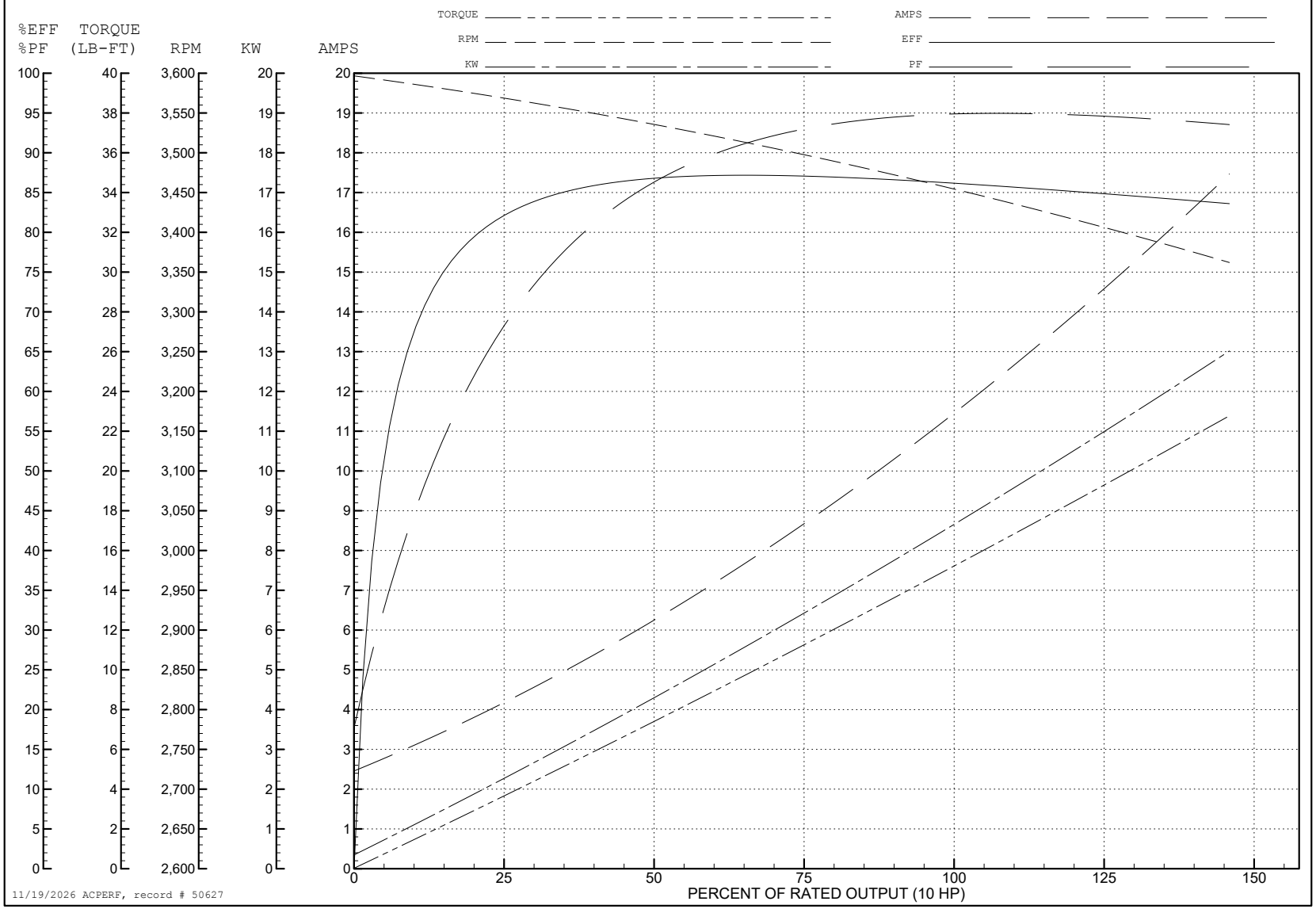
ABB Motors and Mechanical Inc.

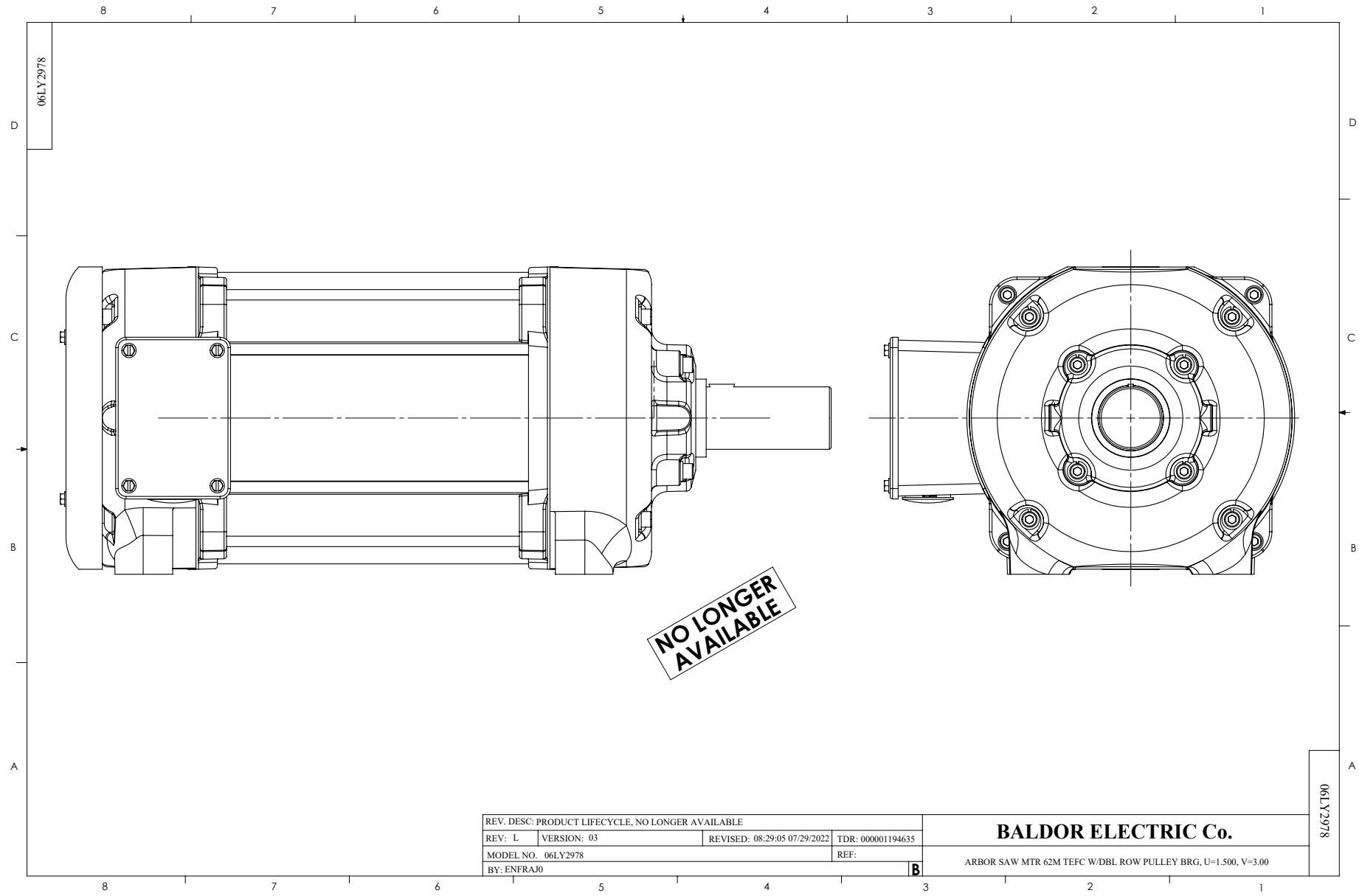
WINDING # 06WG6010

10 HP 3 PH 60 HZ 3450 RPM 460 V 6246M

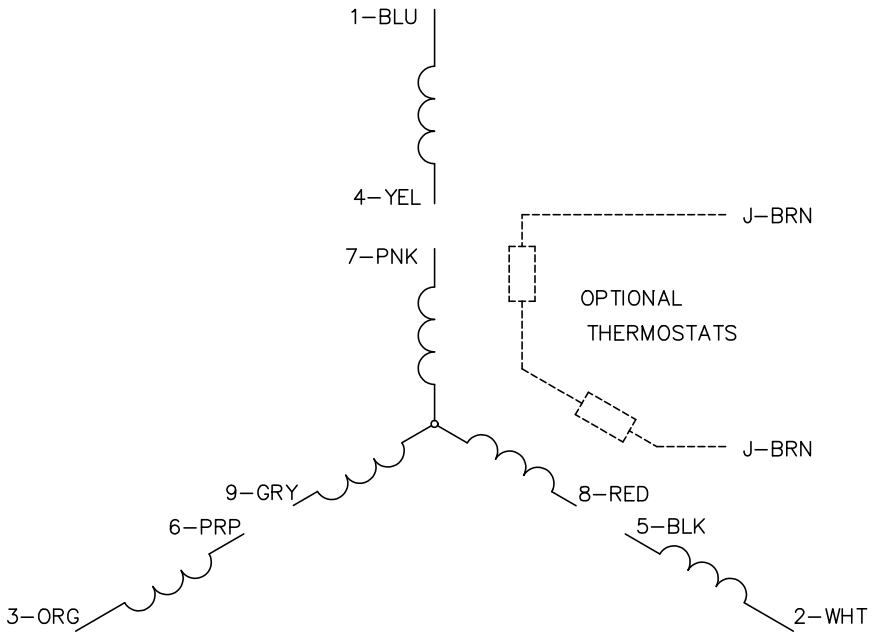
Typical performance - not guaranteed values.

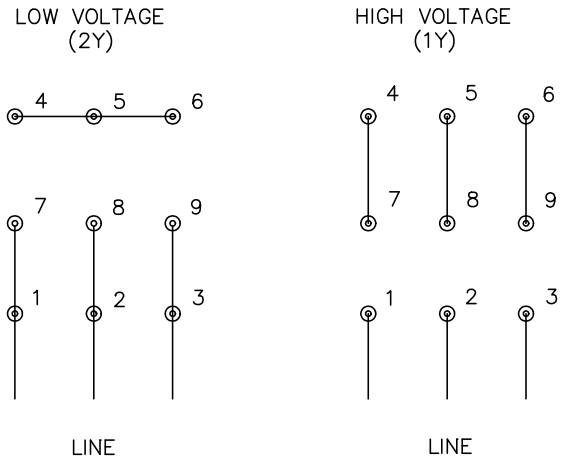
TORQUES(LB-FT): PO=68.1 PU=47.4 LR=58.8 LRA=103




06LY2978
NO LONGER AVAILABLE
REV. DESC: PRODUCT LIFECYCLE, NO LONGER AVAILABLE
REV: L
VERSION: 03
REVISED: 08:29:05 07/29/2022
TDR: 000001194635
MODEL NO. 06LY2978
REF:
BY: ENFRAJ0
B
BALDOR ELECTRIC Co.
ARBOR SAW MTR 62M TEFC W/DBL ROW PULLEY BRG, U=1.500, V=3.00
06LY2978

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