ABB BALDOR RELIANCE

Customer information packet

ASM6207

7.5HP, 3450RPM, 3PH, 60HZ, 6246M, TEFC, F1

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11/19/2026 5:50:26 AM

Specifications

Enclosure	TEFC
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	7.500 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	9.200 A @ 460.0 V
	18.900 A @ 208.0 V
	18.400 A @ 230.0 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	AC
Type	AC
Mech. spec.	6-2978
Base	
Status	NLA/A
Elec. spec.	06WG2967
Layout	06LY2978
Eff. date	07-08-2022
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	9.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 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
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
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.	6-2978-2967										
HP	7.5 SAW DUTY										
VOLTS	230/460										
AMP	18.4/9.2										
RPM	3450										
FRAME				**HZ**	60		**PH**	3			
SER.F.	1.15	**CODE**	M	**DES**	A	**CL**	F				
NEMA-NOM-EFF		**PF**									
RATING	40C AMB-INT. DUTY 60 MIN										
CC											
DE	5208	**ODE**	6205								
ENCL	TEFC	**SN**									

AC Induction Motor Performance Data
Record # 50617
Typical performance - not guaranteed values

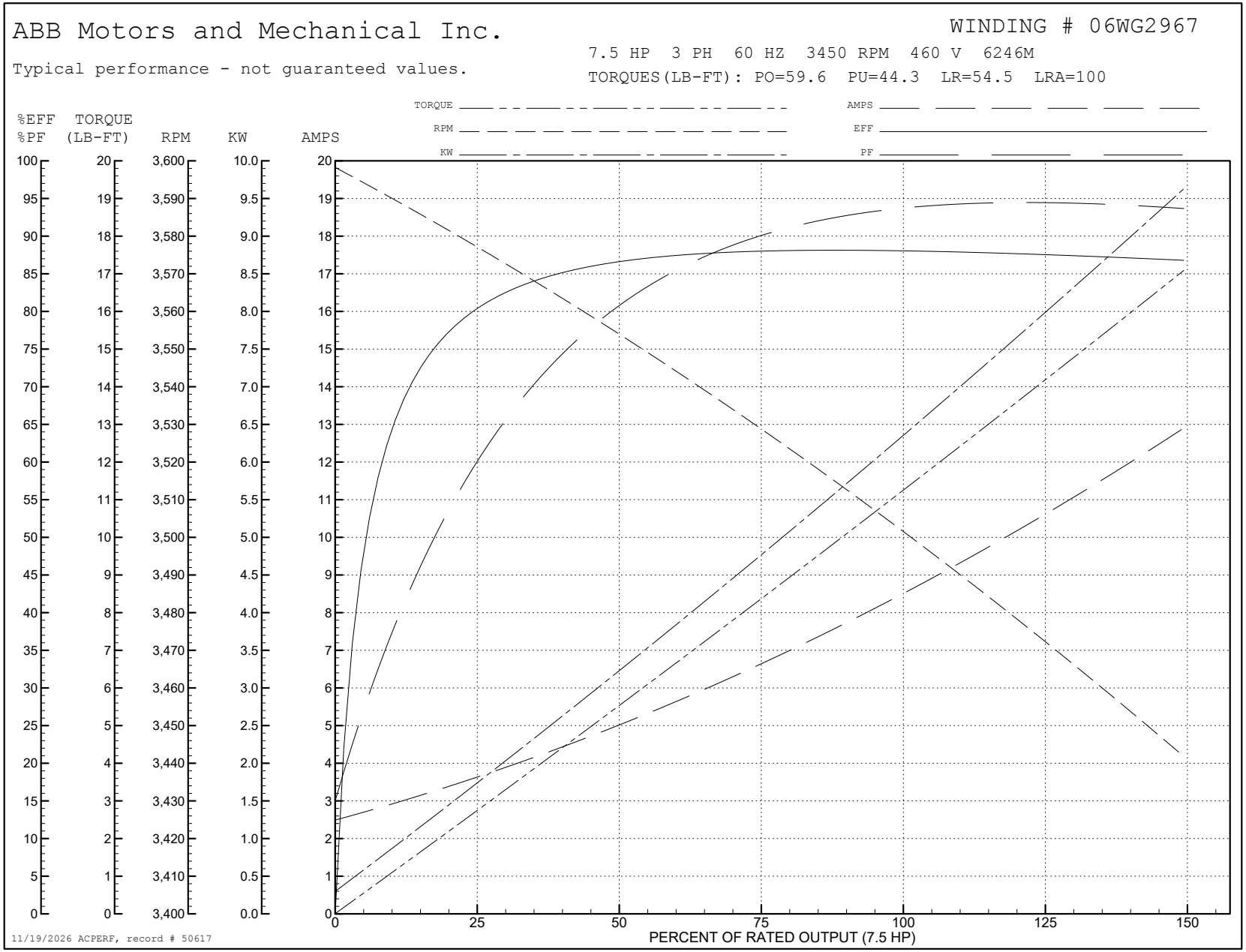
Winding: 06WG2967-R007	**Type:** 6246M	**Enclosure:** TEFC

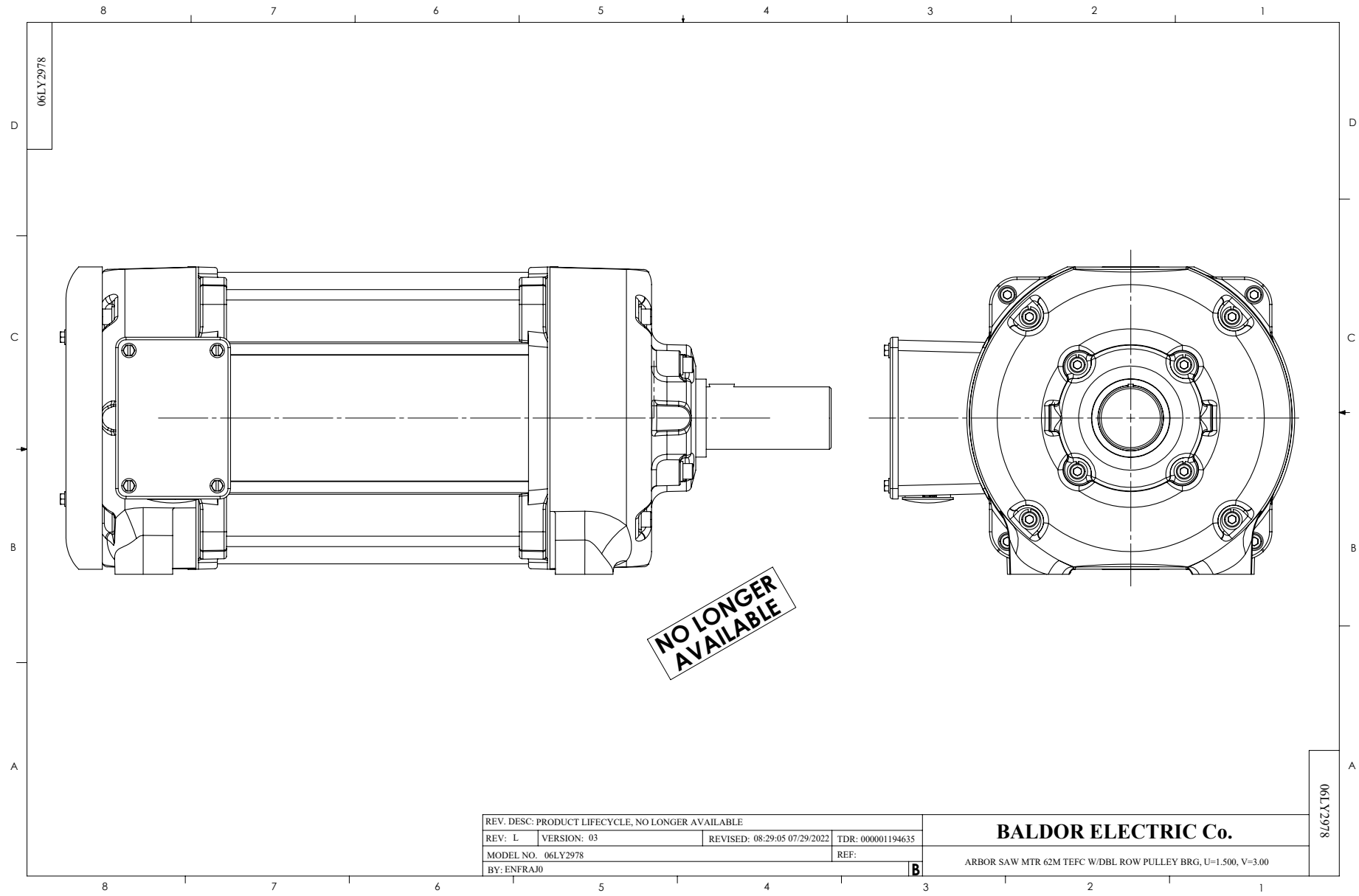
Nameplate Data			
Rated Output (HP)			7.5 SAW DUTY
Volts			230/460
Full Load Amps			18.4/9.2
R.P.M.			3450
Hz	60	**Phase**	3
NEMA Design Code	A	**KVA Code**	M
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	0	**Power Factor**	0
Rating - Duty			40C AMB-60 MIN

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	11.3 LB-FT
Start Configuration	direct on line
Breakdown Torque	59.6 LB-FT
Pull-up Torque	44.3 LB-FT
Locked-rotor Torque	54.5 LB-FT
Starting Current	100 A
No-load Current	2.59 A
Line-line Res. @ 25ºC	1.4085 Ω
Temp. Rise @ Rated Load	
Locked-rotor Power Factor	47

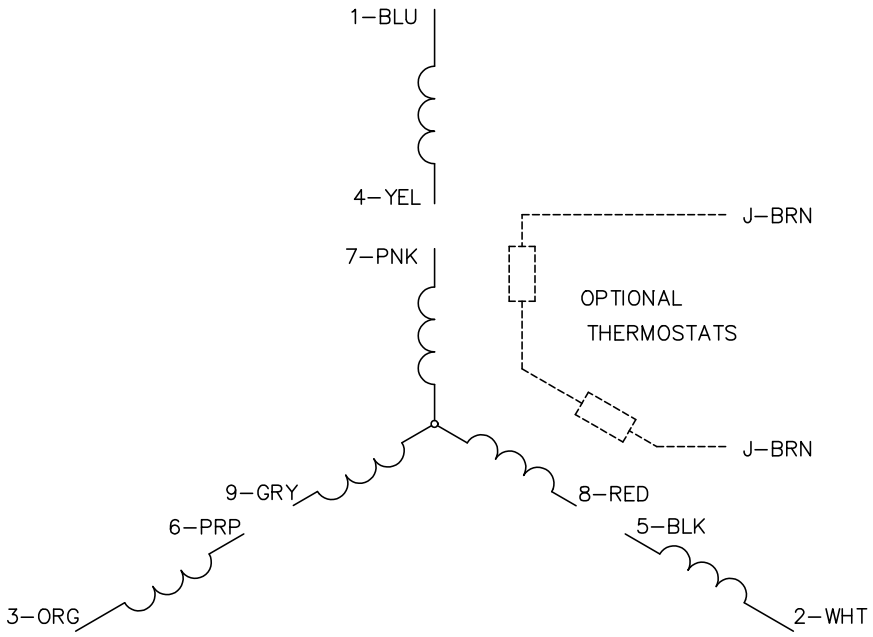
Load Characteristics 460 V, 60 Hz, 7.5 HP

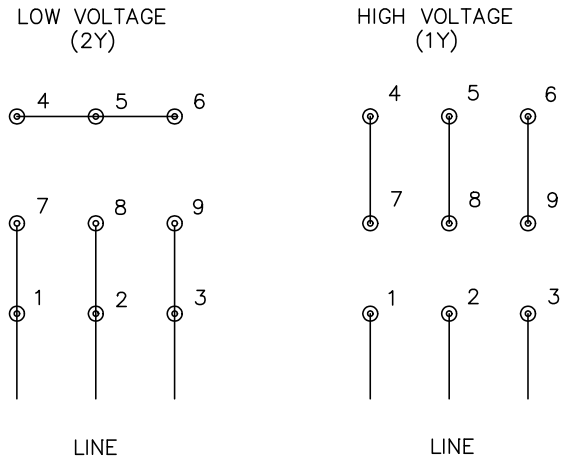
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	63	83	89	93	95	94	94
Efficiency	81.4	86.4	88.3	88	87.7	86.6	87.8
Speed	3575.6	3552.5	3527.2	3501	3471.9	3440.5	3484
Line amperes	3.52	5.03	6.8	8.68	10.7	12.9	9.89


ABB Motors and Mechanical Inc.
WINDING # 06WG2967
7.5 HP 3 PH 60 HZ 3450 RPM 460 V 6246M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=59.6 PU=44.3 LR=54.5 LRA=100
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (7.5 HP)
11/19/2026 ACPERF, record # 50617


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