ABB BALDOR RELIANCE

Customer information packet

EM4107T-8

44M 2P TEFC HOR 284TS SE
Class - None
Division - Not Applicable

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11/5/2026 11:45:58 AM

Specifications

Enclosure	TEFC
Frame	284TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM NEMA PREMIUM (OLD LOGO) CURUSEEV
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	64.000 A @ 208.0 V 66.000 A @ 200.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	66.0 a
Insulation Class	F

Part Detail

Revision	N
Type	AC
Mech. spec.	09F629
Base	
Status	PRD/A
Elec. spec.	09WGT586
Layout	09LYF629
Eff. date	08-17-2026
CD Diagram	CD0695
Poles	02
Leads	6#6
Proprietary	False
Created date	08-21-2019

Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 6 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	24.77 IN
Power Factor	88
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3515 rpm
Speed Code	Single Speed
Starting Method	Part Winding
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3443L												
CAT.NO.	EM4107T-8			**CUST. P/N**						**ENCL**	TEFC	
SPEC.	09F629T586G1	**CC**	010A	**FRAME**	284TS		**SER.NO.**					
HP	25	**CLASS**	F	**HZ**	60							
R.P.M.	3515	**PH**	3	**DES**	A							
VOLTS	200	**CODE**	H	**ODE BRG**	6208	**DE BRG**	6311					
AMPS	66											
RATING	40C AMB-CONT	**NEMA NOM. EFF.**	91.7	**GREASE**	POLYREX EM							
P.F.	88	**SER.F.**	1.15	**VPWM INVERTER READY**								
HTR-VOLTS		**HTR-AMPS**		**HTR-WATTS**								

Accessories

Part number	Description	Multiplier
09-1310	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 78305
Typical performance - not guaranteed values

Winding: 09WGT586-R001	**Type:** 0944M	**Enclosure:** TEFC

Nameplate Data				**200 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			25	**Full Load Torque**	37.39 LB-FT
Volts			200	**Start Configuration**	direct on line
Full Load Amps			66	**Breakdown Torque**	139 LB-FT
R.P.M.			3515	**Pull-up Torque**	52.41 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	67.2 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	461 A
Service Factor (S.F.)			1.15	**No-load Current**	19.52 A
NEMA Nom. Eff.	91.7	**Power Factor**	88	**Line-line Res. @ 25ºC**	0.0644 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	75°C
S.F. Amps				**Temp. Rise @ S.F. Load**	93°C
				Locked-rotor Power Factor	29.1613
				Rotor inertia	1.12 lb-ft²

Load Characteristics 200 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	81	87	90	90	90	90
Efficiency	88.3	91.8	92.2	91.7	90.7	89.5	91.1
Speed	3579	3559	3540	3518	3494	3468	3504
Line amperes	25.28	36.7	50.52	65.58	82.26	100	75.6

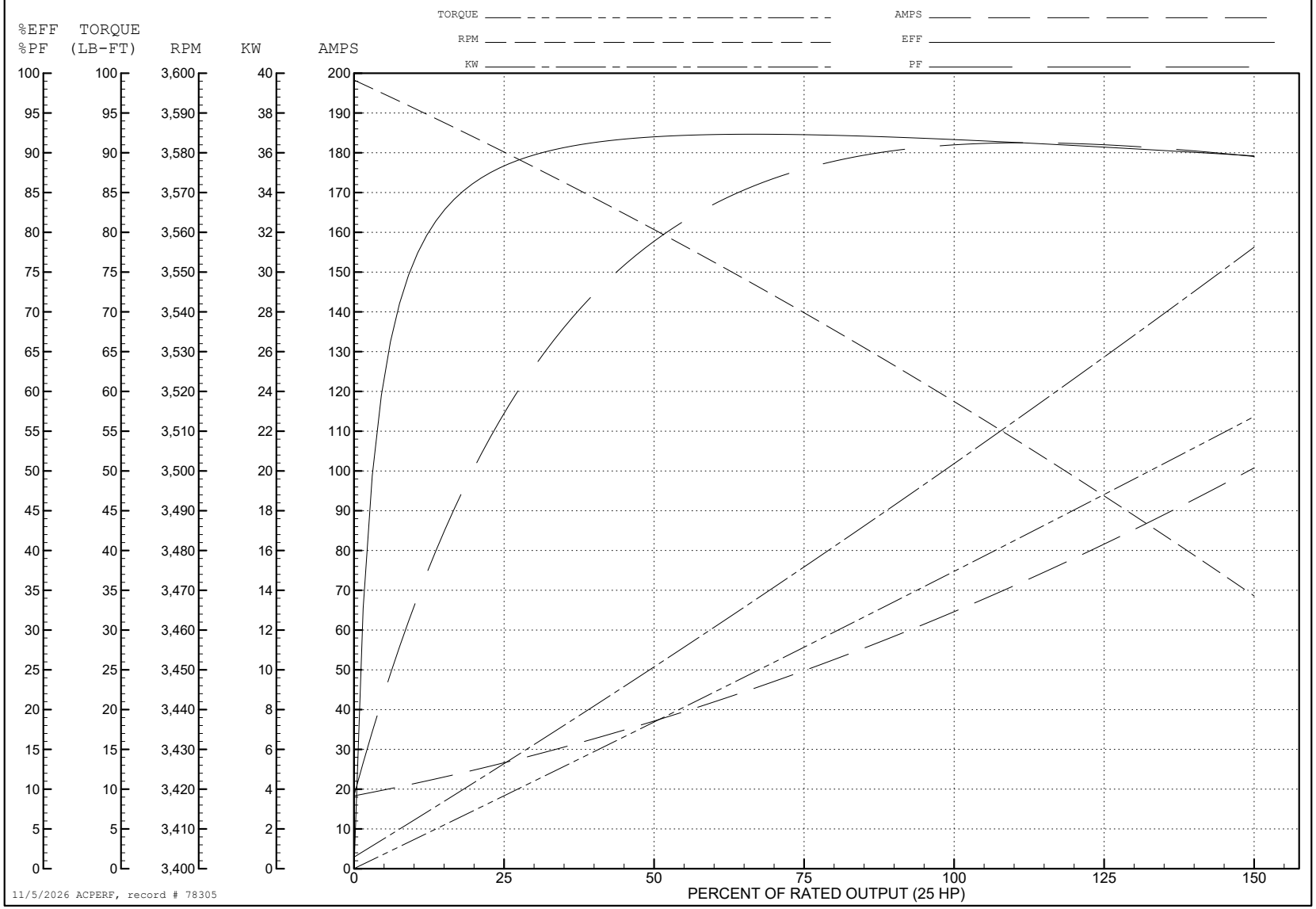
ABB Motors and Mechanical Inc.

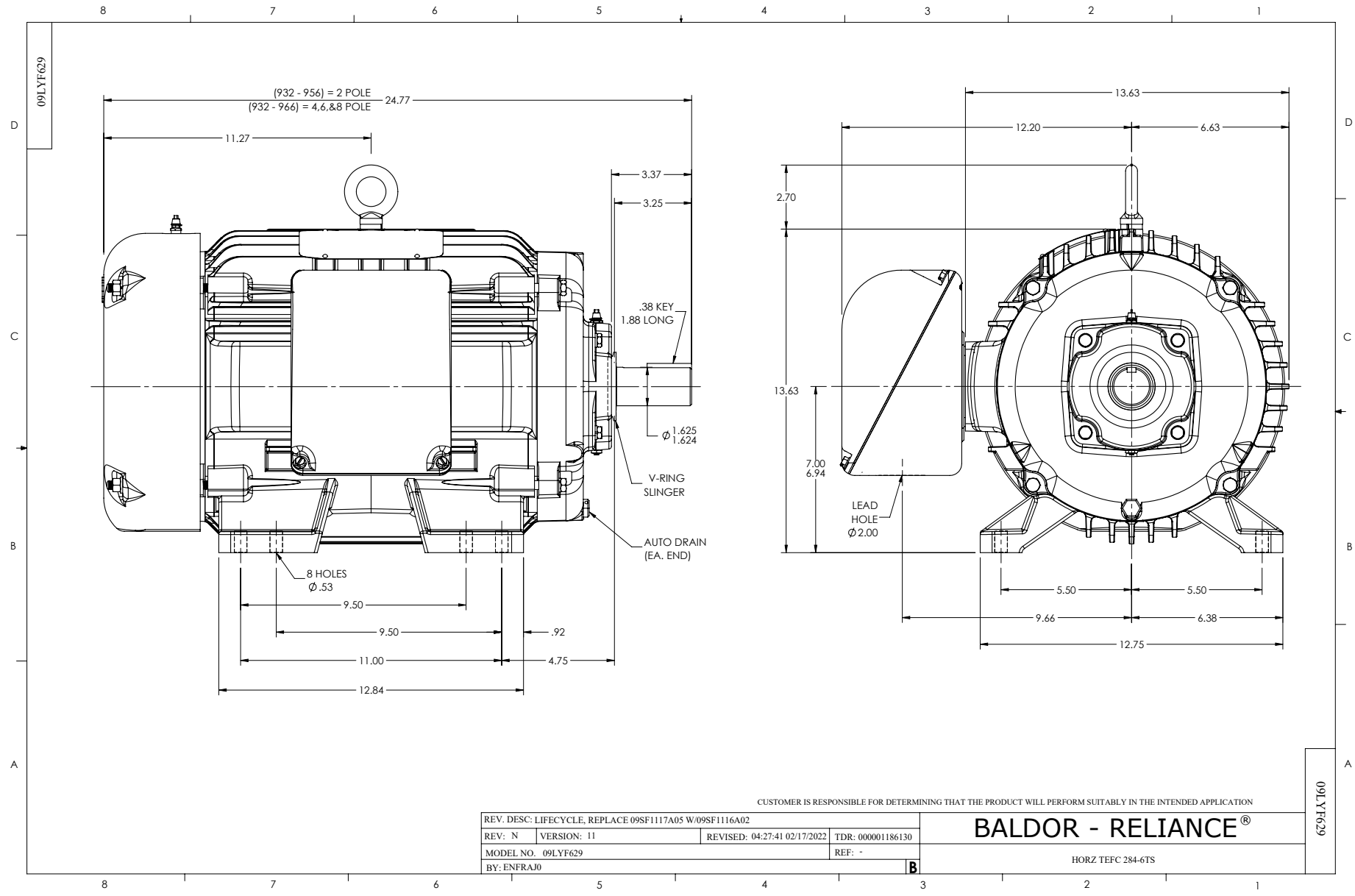
WINDING # 09WGT586

25 HP 3 PH 60 HZ 3515 RPM 200 V 0944M

Typical performance - not guaranteed values.

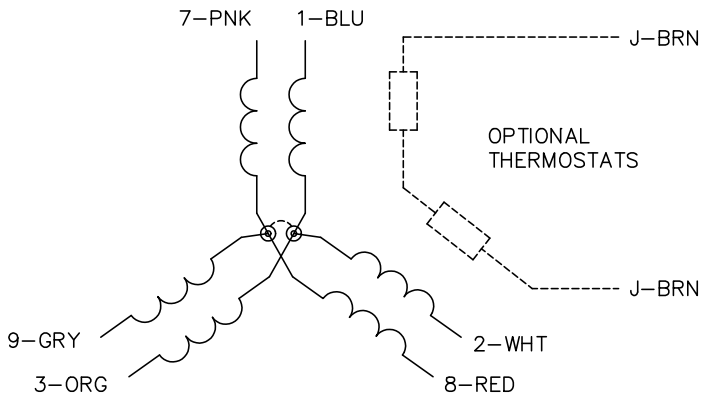
TORQUES(LB-FT): PO=139 PU=52.41 LR=67.2 LRA=461



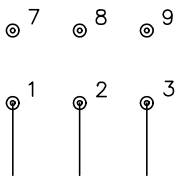

09LYF629
(932 - 956) = 2 POLE
(932 - 966) = 4,6,&8 POLE
24.77
11.27
3.37
3.25
.38 KEY
1.88 LONG
Ø 1.625
1.624
V-RING
SLINGER
AUTO DRAIN
(EA. END)
8 HOLES
Ø .53
9.50
9.50
.92
11.00
4.75
12.84
13.63
12.20
6.63
2.70
13.63
7.00
6.94
LEAD
HOLE
Ø 2.00
5.50
5.50
9.66
6.38
12.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LIFECYCLE, REPLACE 09SF1117A05 W/09SF1116A02
REV: N
VERSION: 11
REVISED: 04:27:41 02/17/2022
TDR: 000001186130
MODEL NO. 09LYF629
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HORZ TEFC 284-6TS
09LYF629

CD0695

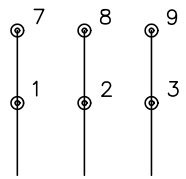
TYPICAL WYE–CONNECTED MOTOR



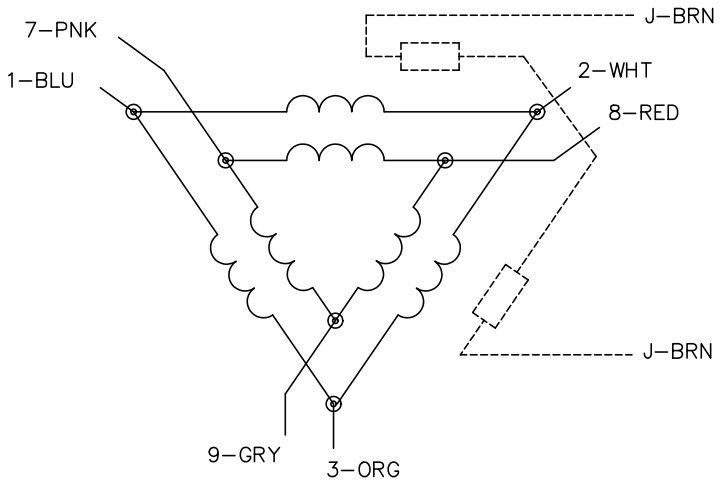
START CONNECTION



RUN CONNECTION



TYPICAL DELTA–CONNECTED MOTOR



NOTES:

1. MOTOR MAY BE WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0695

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
CD0695		FILE: AAA00005151	MDL: –
		MTL: –	3PH, SV, 6 LEADS, PART WINDING START