ABB BALDOR RELIANCE

Customer information packet

EM2555T-4G

100HP, 1780RPM, 3PH, 60HZ, 404T, 4484M, OPSB, F

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11/10/2026 12:57:31 AM

Part Detail

Revision	G
Type	AC
Mech. spec.	44E227
Base	
Status	PRD/A
Elec. spec.	44WGW390
Layout	44LYE227
Eff. date	11-19-2024
CD Diagram	CD0382
Poles	04
Leads	6#4
Proprietary	False
Created date	09-01-2017

Nameplate

NP2138LUA												
CAT.NO.	EM2555T-4G			**P/N**				**ENCLOSURE**	OPSB			
SPEC.	44E227W390G1	**CC**	010A		**FRAME**	404T		**S/N**				
HP	100			**CLASS**	H		**HZ**	60				
RPM	1780			**PH**	3		**DES**	A				
VOLT	460				**KVA-CODE**	H		**ODE BRG**	6312	**DE BRG**	6316	
AMP	118											
RATING	40C AMB-CONT				**GREASE**	POLYREX EM						
NEMA-NOM-EFF	95.4	**PF**	83	**SER.F.**	1.15							
	50HZ 100HP 380V 139A SF1.0											
HTR-VOLTS		**HTR-AMPS**										

AC Induction Motor Performance Data
Record # 66624
Typical performance - not guaranteed values

Winding: 44WGW390-R002	**Type:** 4484M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			100	**Full Load Torque**	295 LB-FT
Volts			460	**Start Configuration**	direct on line
Full Load Amps			118	**Breakdown Torque**	884 LB-FT
R.P.M.			1780	**Pull-up Torque**	375 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	498 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	852 A
Service Factor (S.F.)			1.15	**No-load Current**	46.4 A
NEMA Nom. Eff.	95.4	**Power Factor**	83	**Line-line Res. @ 25ºC**	0.045551 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	47°C
S.F. Amps				**Temp. Rise @ S.F. Load**	57°C
				Locked-rotor Power Factor	25.4
				Rotor inertia	15.9 LB-FT2

Load Characteristics 460 V, 60 Hz, 100 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	46	70	79	83	85	86	84
Efficiency	92.6	95.3	95.7	95.6	95.2	94.6	95.4
Speed	1794	1789.8	1785.5	1780.7	1775.5	1769.8	1778
Line amperes	54.2	70.6	92.8	118	145	173	134

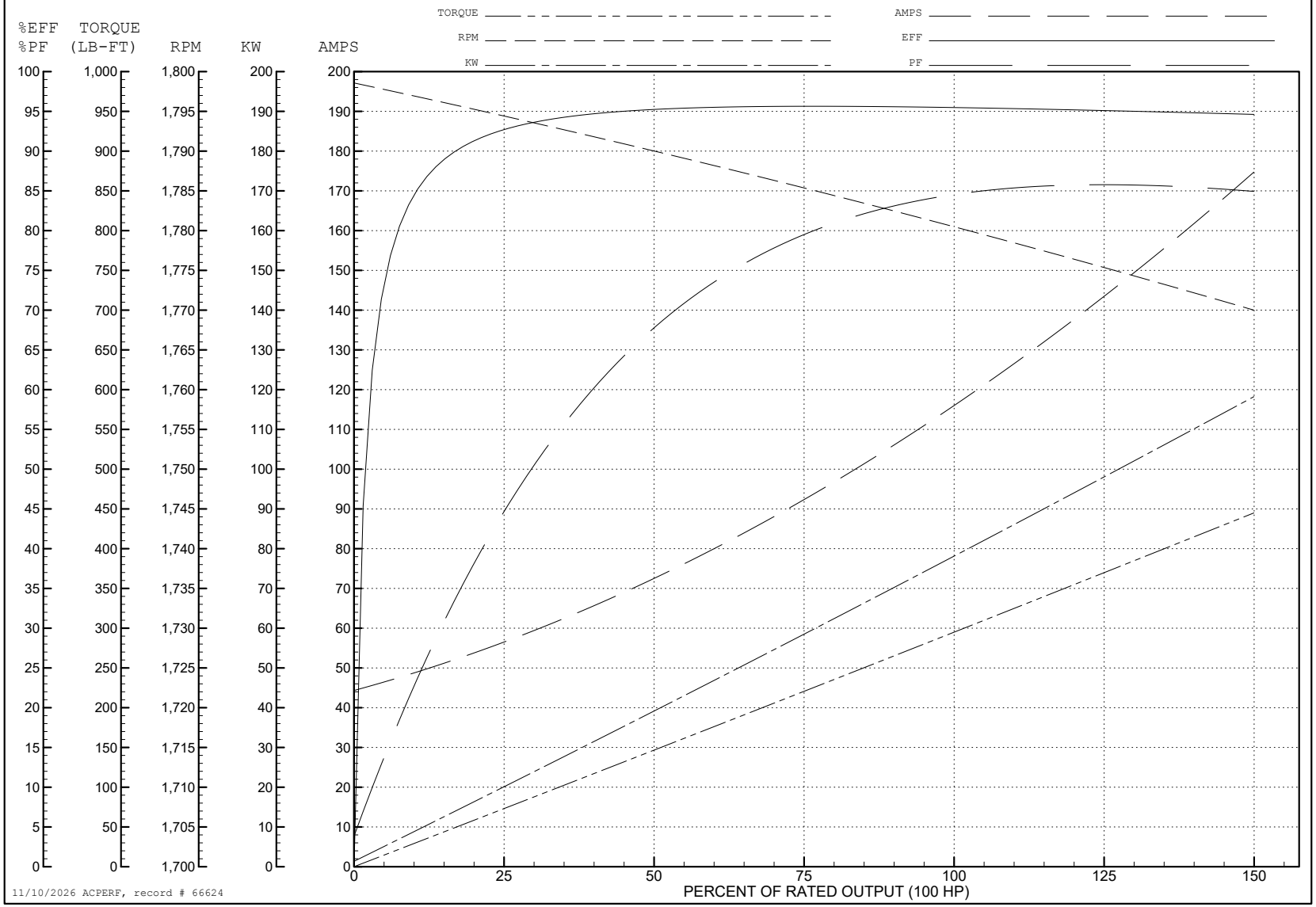
ABB Motors and Mechanical Inc.

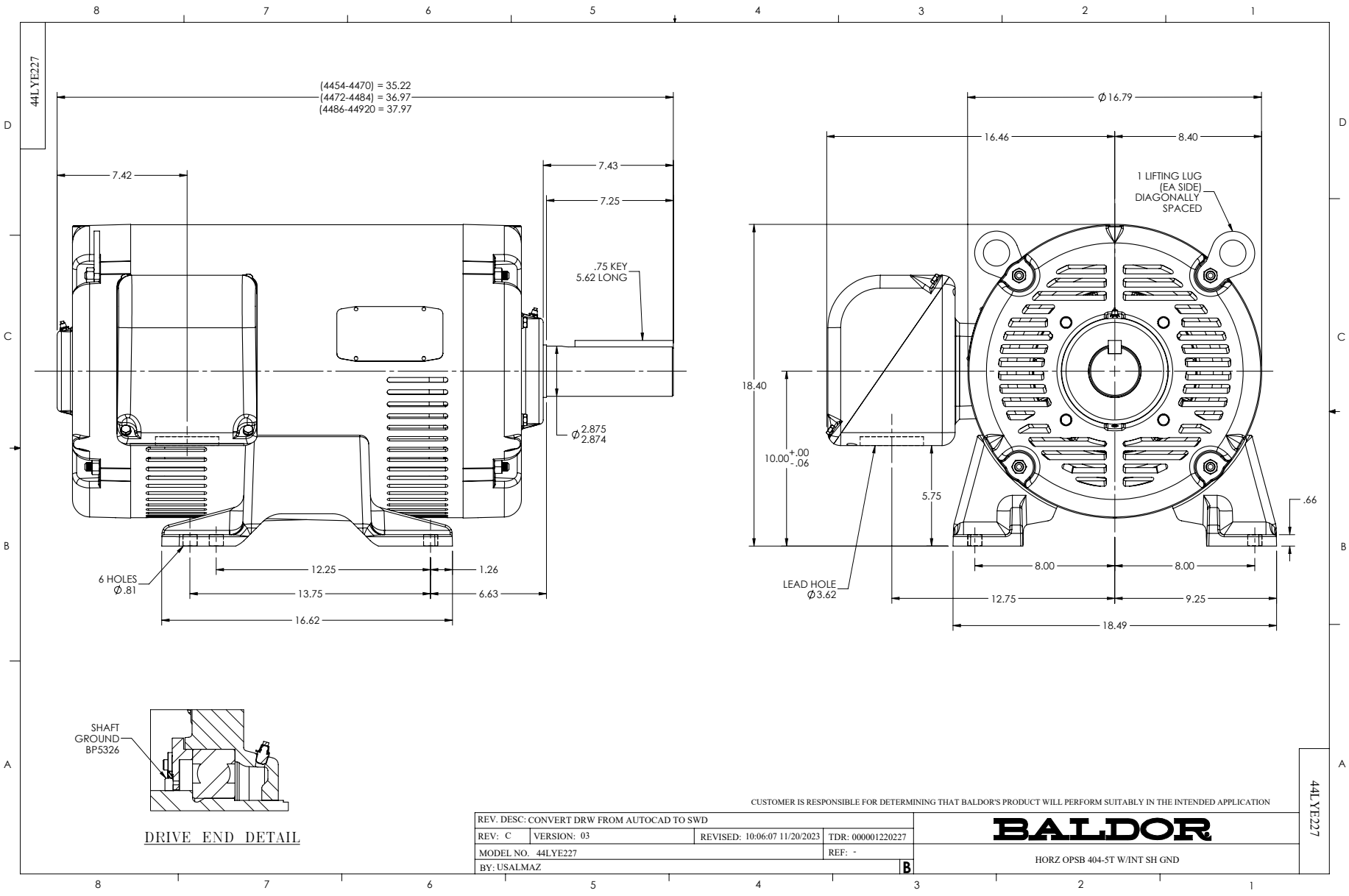
WINDING # 44WGW390

100 HP 3 PH 60 HZ 1780 RPM 460 V 4484M

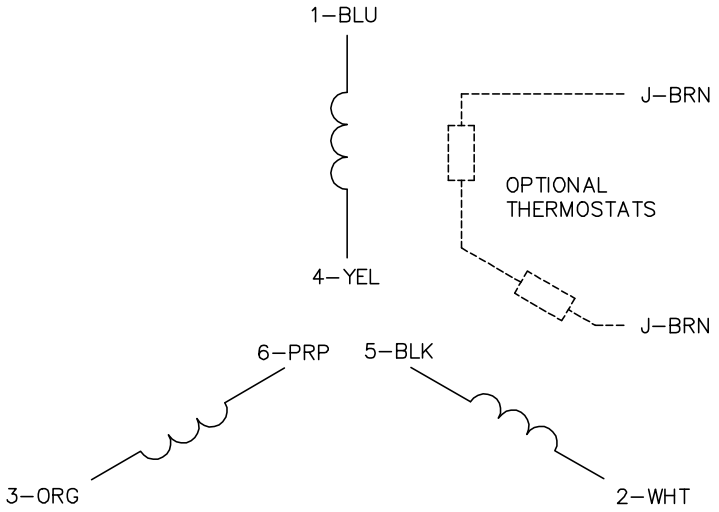
Typical performance - not guaranteed values.

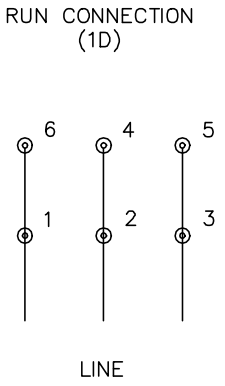
TORQUES(LB-FT): PO=884 PU=375 LR=498 LRA=852

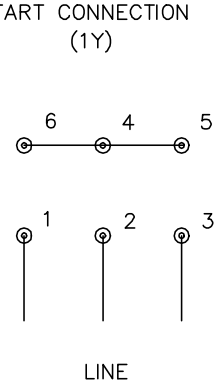



44LYE227
(4454-4470) = 35.22
(4472-4484) = 36.97
(4486-44920 = 37.97
7.42
7.43
7.25
.75 KEY
5.62 LONG
Ø2.875
2.874
6 HOLES
Ø.81
12.25
1.26
13.75
6.63
16.62
Ø16.79
16.46
8.40
1 LIFTING LUG
(EA SIDE)
DIAGONALLY
SPACED
18.40
10.00 +.00 -.06
5.75
.66
LEAD HOLE
Ø3.62
8.00
8.00
12.75
9.25
18.49
SHAFT
GROUND
BP5326
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT DRW FROM AUTOCAD TO SWD
REV: C
VERSION: 03
REVISED: 10:06:07 11/20/2023
TDR: 000001220227
MODEL NO. 44LYE227
REF: -
BY: USALMAZ
B
BALDOR
HORZ OPSB 404-5T W/INT SH GND
44LYE227

CD0382







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.
5. FOR ACROSS–THE–LINE STARTING, USE 'RUN' CONNECTION.

CD0382

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: F	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\243	REVISED: 09:05:32 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, SV, 6 LEADS, Y START/D RUN

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