ABB BALDOR RELIANCE

Customer information packet

EM2532T-G

25HP, 1180RPM, 3PH, 60HZ, 324T, 4072M, OPSB, F1

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Specifications

Enclosure	OPSB
Frame	324T
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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	68.000 A @ 230.0 V
	70.000 A @ 208.0 V
	34.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 a

Part Detail

Revision	T
Type	AC
Mech. spec.	40E245
Base	
Status	PRD/A
Elec. spec.	40WGX192
Layout	40LYE245
Eff. date	11-29-2023
CD Diagram	CD0180
Poles	06
Leads	9#10
Proprietary	False
Created date	12-01-2011

Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4072M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	27.69 IN
Power Factor	76
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	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1180 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

NP2138LUA												
CAT.NO.	EM2532T-G		**P/N**				**ENCLOSURE**	OPSB				
SPEC.	40E245X192G1	**CC**	010A	**FRAME**	324T		**S/N**					
HP	25		**CLASS**	H	**HZ**	60						
RPM	1180		**PH**	3	**DES**	A						
VOLT	230/460			**KVA-CODE**	J		**ODE BRG**	6309	**DE BRG**	6312		
AMP	68/34											
RATING	40C AMB-CONT			**GREASE**	POLYREX EM							
NEMA-NOM-EFF	93	**PF**	76	**SER.F.**	1.15							
	50HZ 25HP 190/380V 78/39A					SF1.0						
HTR-VOLTS		**HTR-AMPS**										

AC Induction Motor Performance Data
Record # 53040
Typical performance - not guaranteed values

Winding: 40WGX192-R004	**Type:** 4072M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25	**Full Load Torque**	111 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			68/34	**Breakdown Torque**	410 LB-FT
R.P.M.			1180	**Pull-up Torque**	205 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	217 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	236 A
Service Factor (S.F.)			1.15	**No-load Current**	16.7 A
NEMA Nom. Eff.	93	**Power Factor**	76	**Line-line Res. @ 25ºC**	0.29283 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	40°C
S.F. Amps				**Temp. Rise @ S.F. Load**	48°C
				Locked-rotor Power Factor	31
				Rotor inertia	8.82 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	36	57	69	76	79	80	78
Efficiency	88	92.3	93.2	93.2	92.7	92	92.9
Speed	1195.9	1192.3	1188.4	1184.9	1180.9	1176.1	1182
Line amperes	18.5	22.3	27.4	33.5	40.3	47.8	37.6

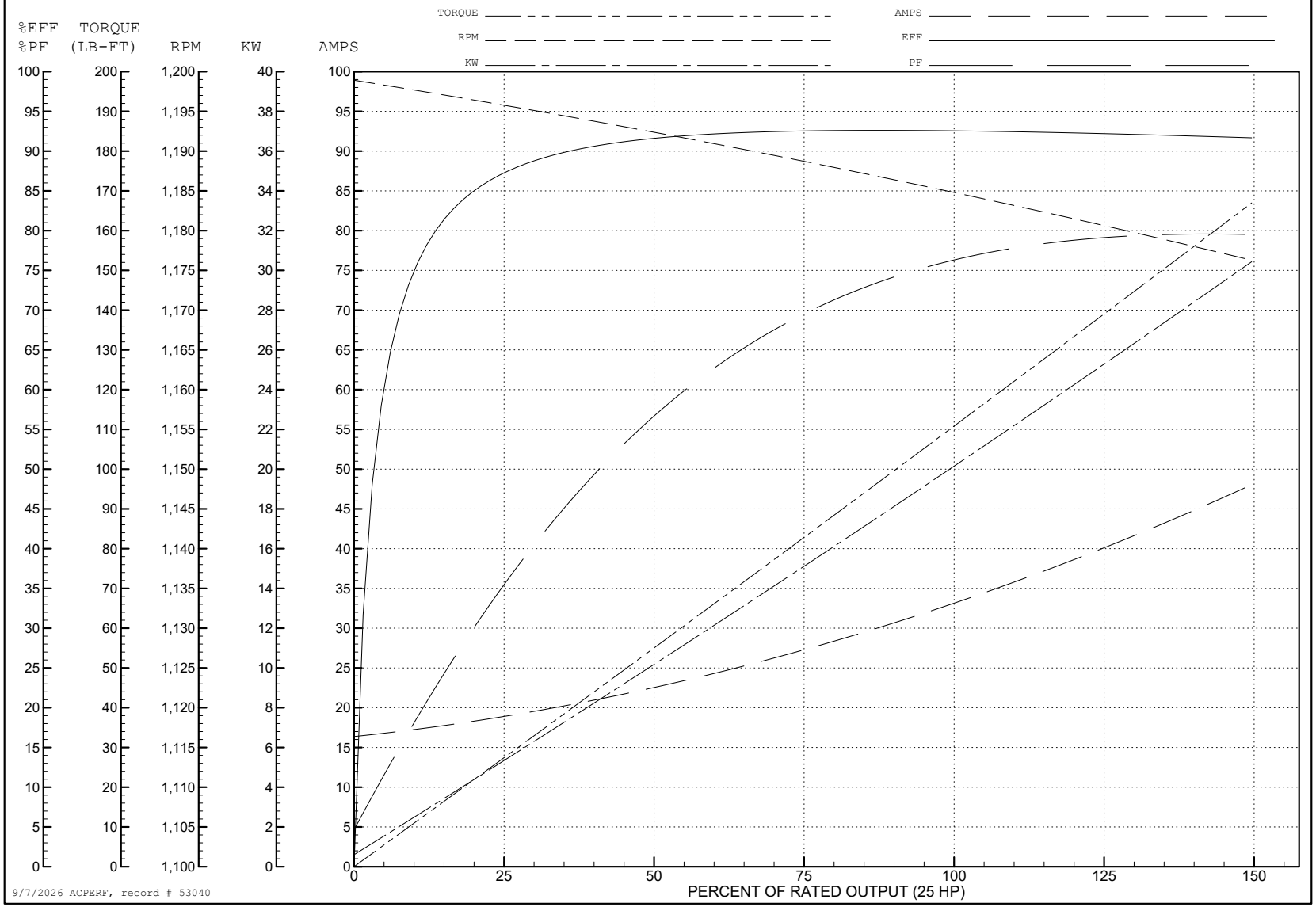
ABB Motors and Mechanical Inc.

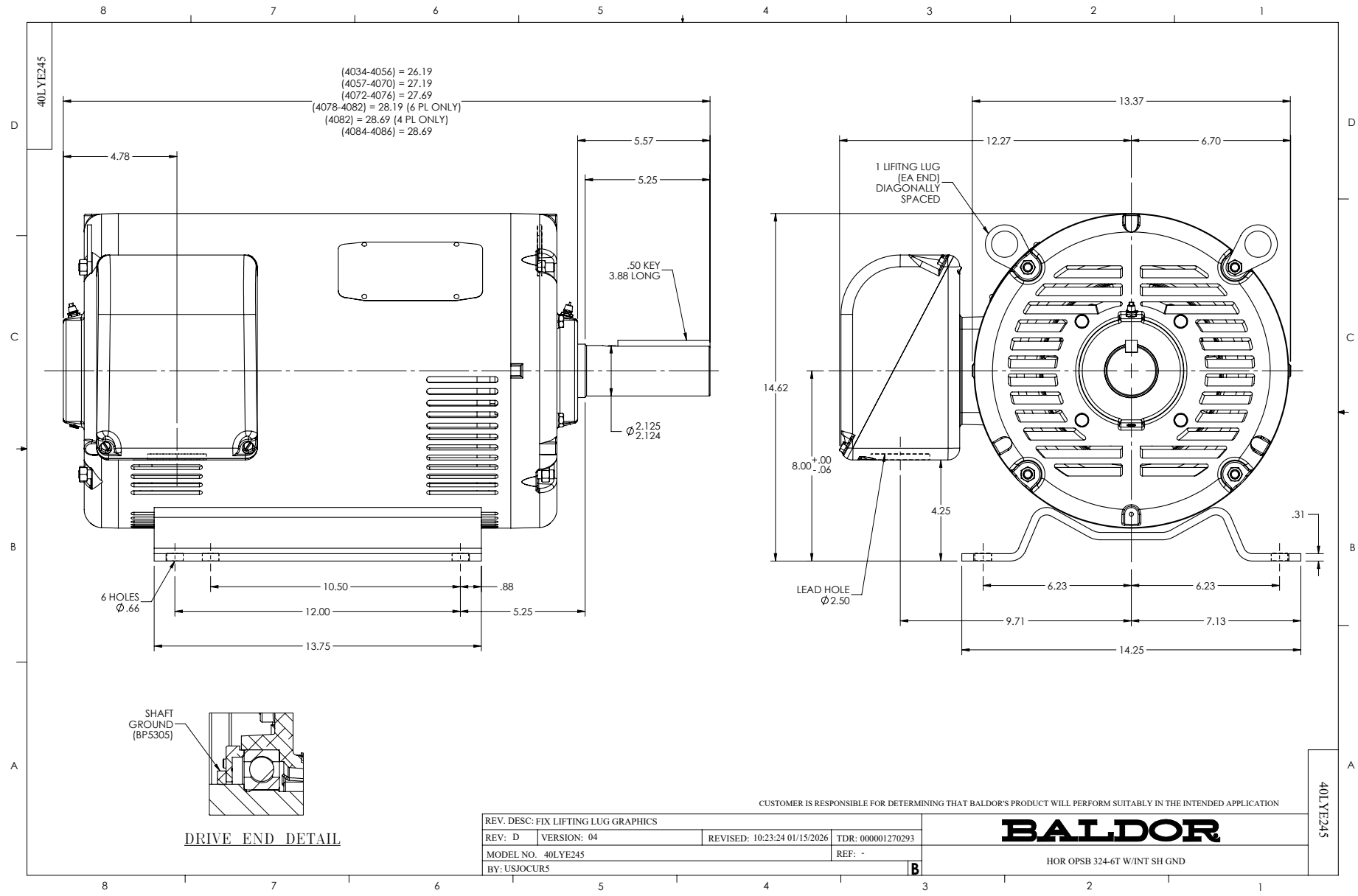
WINDING # 40WGX192

25 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

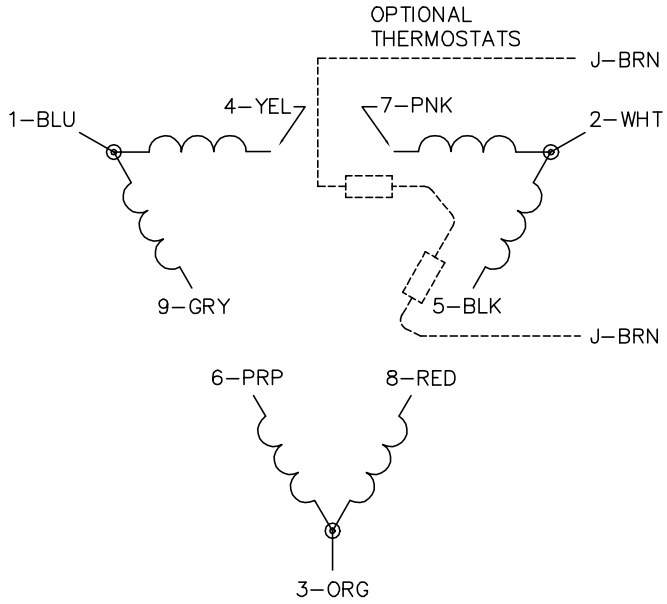
Typical performance - not guaranteed values.

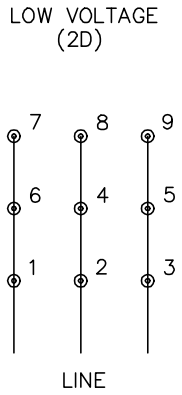
TORQUES(LB-FT): PO=410 PU=205 LR=217 LRA=236

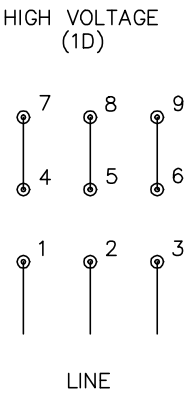



40LYE245
(4034-4056) = 26.19
(4057-4070) = 27.19
(4072-4076) = 27.69
(4078-4082) = 28.19 (6 PL ONLY)
(4082) = 28.69 (4 PL ONLY)
(4084-4086) = 28.69
4.78
5.57
5.25
.50 KEY
3.88 LONG
Ø2.125
2.124
6 HOLES
Ø.66
10.50
.88
12.00
5.25
13.75
13.37
12.27
6.70
1 LIFTING LUG
(EA END)
DIAGONALLY
SPACED
14.62
8.00 +.00 -.06
4.25
.31
LEAD HOLE
Ø2.50
6.23
6.23
9.71
7.13
14.25
SHAFT
GROUND
(BP5305)
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: FIX LIFTING LUG GRAPHICS
REV: D
VERSION: 04
REVISED: 10:23:24 01/15/2026
TDR: 000001270293
MODEL NO. 40LYE245
REF: -
BY: USJOCUR5
B
BALDOR
HOR OPSB 324-6T W/INT SH GND
40LYE245

CD0180







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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1