ABB BALDOR RELIANCE

Customer information packet

CEM2536T

30HP, 1180RPM, 3PH, 60HZ, 326TC, OPSB, F1

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11/27/2026 3:30:46 AM

Specifications

Enclosure	OPSB
Frame	326TC
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	30.000 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	CURUSEEV
	NEMA PREMIUM
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	82.000 A @ 208.0 V
	78.000 A @ 230.0 V
	39.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	39.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	40WGX122
Layout	40LYH006
Eff. date	02-12-2024
CD Diagram	CD0005
Poles	06
Leads	9#8
Proprietary	False
Created date	02-20-2020

KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4084M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	28.69 IN
Power Factor	77
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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

NP2138L													
CAT.NO.	CEM2536T		**P/N**			**ENCLOSURE**	OPSB						
SPEC.	40-0000-0134	**CC**	010A	**FRAME**	326TC	**S/N**							
HP	30		**CLASS**	F	**HZ**	60							
RPM	1180		**PH**	3	**DES**	A							
VOLT	230/460				**KVA-CODE**	H	**ODE BRG**	6309	**DE BRG**	6312			
AMP	78/39												
RATING	40C AMB-CONT			**GREASE**	POLYREX EM								
NEMA-NOM-EFF	93.6	**PF**	77	**SER.F.**	1.15								
HTR-VOLTS		**HTR-AMPS**											

AC Induction Motor Performance Data
Record # 66226
Typical performance - not guaranteed values

Winding: 40WGX122-R001 **Type:** 4084M **Enclosure:** OPSB

Nameplate Data			
Rated Output (HP)			30
Volts			230/460
Full Load Amps			78/39
R.P.M.			1180
Hz	60	**Phase**	3
NEMA Design Code	A	**KVA Code**	H
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	93.6	**Power Factor**	77
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	133.3 LB-FT
Start Configuration	direct on line
Breakdown Torque	417 LB-FT
Pull-up Torque	187 LB-FT
Locked-rotor Torque	233 LB-FT
Starting Current	267 A
No-load Current	18.1 A
Line-line Res. @ 25ºC	0.2452 Ω
Temp. Rise @ Rated Load	40°C
Temp. Rise @ S.F. Load	49°C
Locked-rotor Power Factor	28.6

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	60	72	77	80	81	79
Efficiency	89.6	93.2	93.8	93.6	92.9	92.1	93.2
Speed	1196.1	1192.3	1188.4	1184.2	1179.4	1174.2	1181
Line amperes	20.2	25	31.5	39	47.4	56.7	44

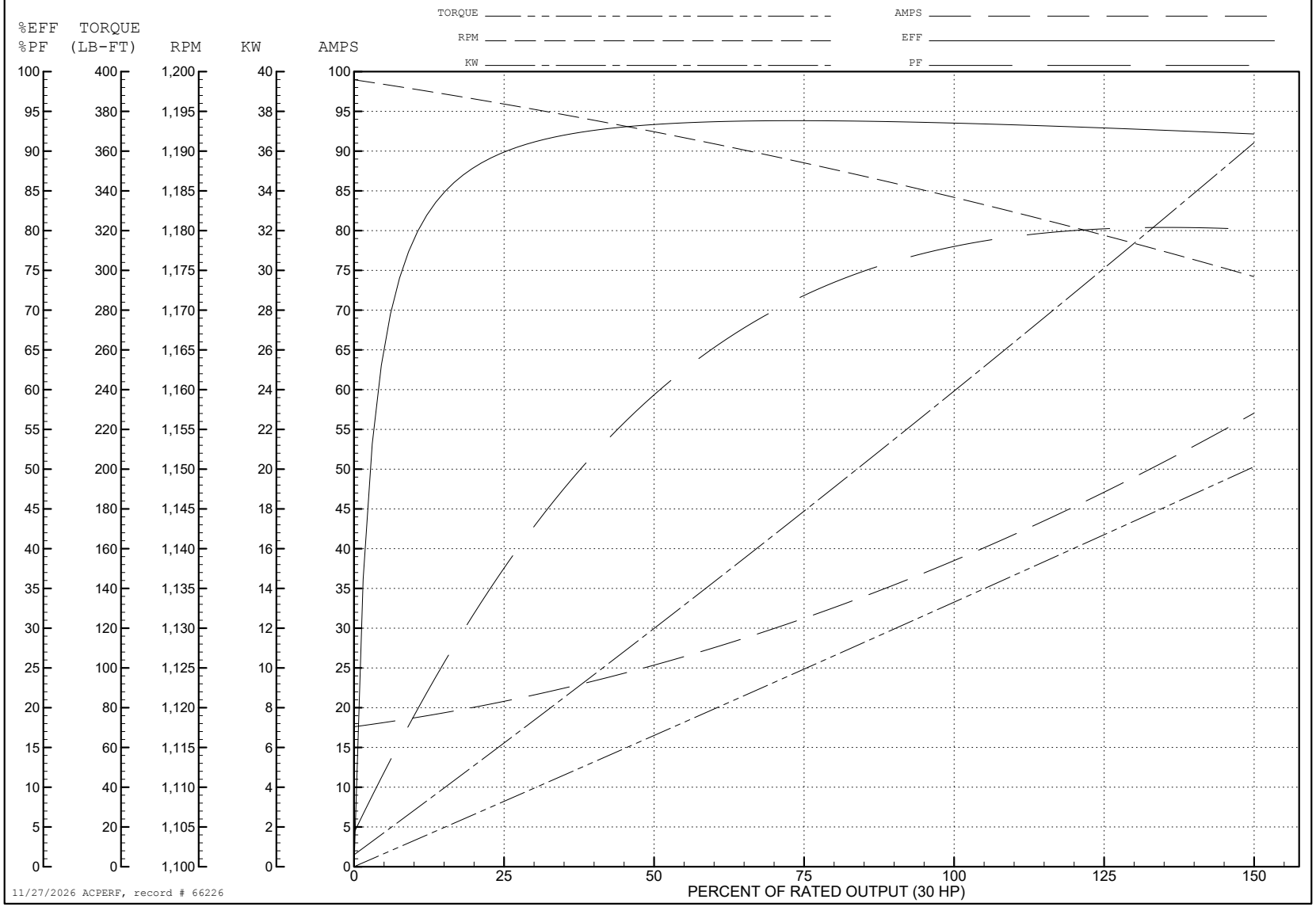
ABB Motors and Mechanical Inc.

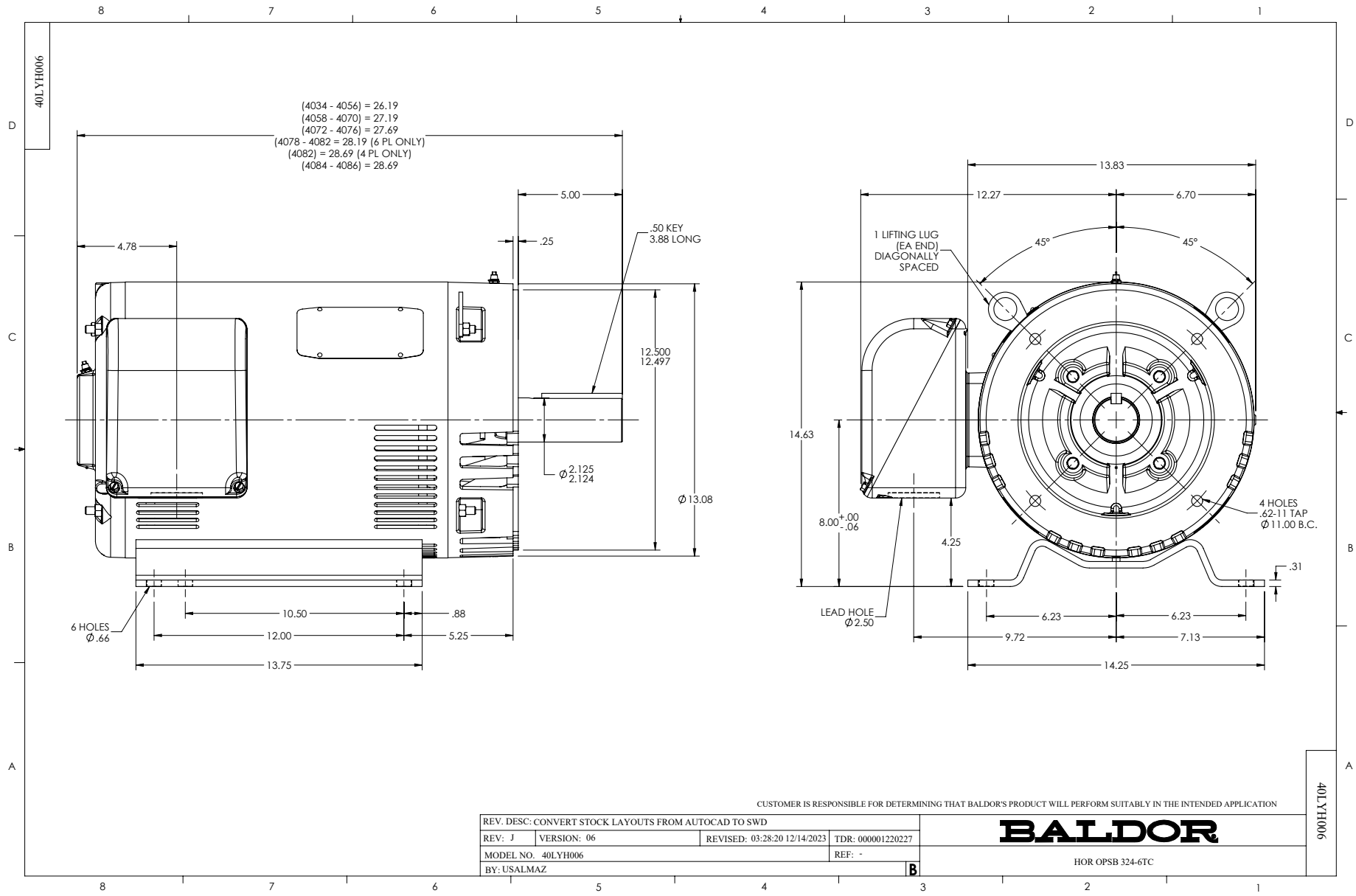
WINDING # 40WGX122

30 HP 3 PH 60 HZ 1180 RPM 460 V 4084M

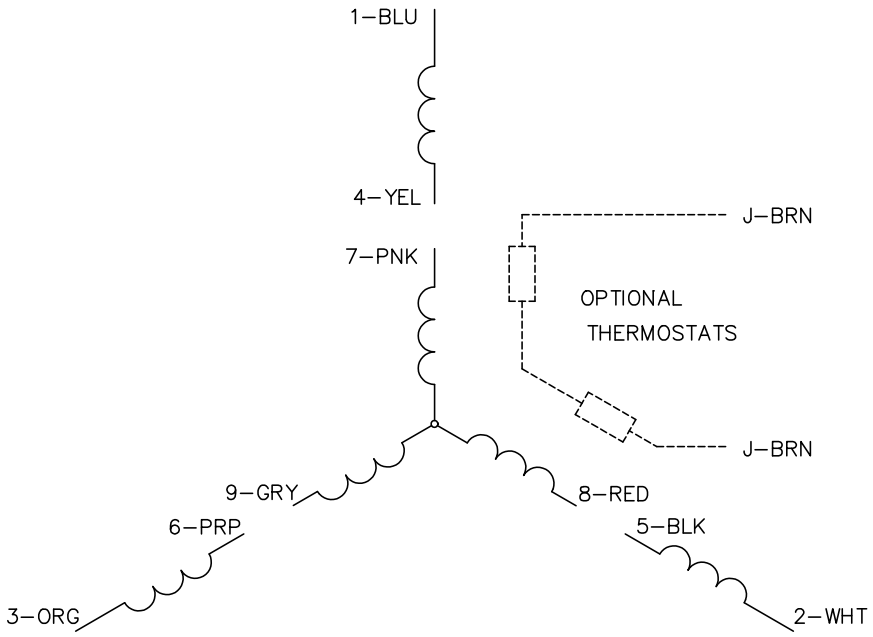
Typical performance - not guaranteed values.

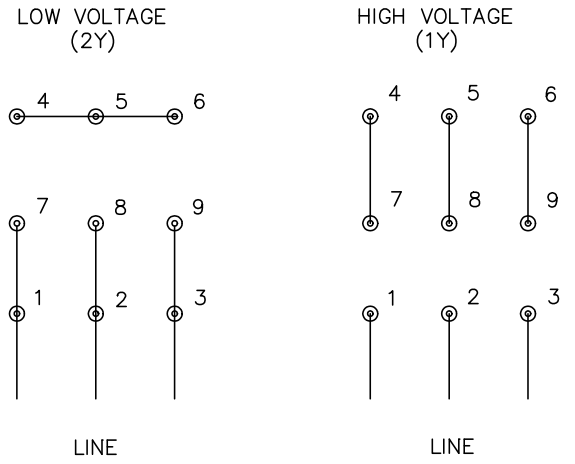
TORQUES(LB-FT): PO=417 PU=187 LR=233 LRA=267




40LYH006
(4034 - 4056) = 26.19
(4058 - 4070) = 27.19
(4072 - 4076) = 27.69
(4078 - 4082 = 28.19 (6 PL ONLY)
(4082) = 28.69 (4 PL ONLY)
(4084 - 4086) = 28.69
5.00
.25
.50 KEY
3.88 LONG
4.78
12.500
12.497
Ø2.125
2.124
Ø13.08
6 HOLES
Ø.66
10.50
.88
12.00
5.25
13.75
13.83
12.27
6.70
1 LIFTING LUG
(EA END)
DIAGONALLY
SPACED
45°
45°
14.63
8.00 +.00 -.06
4.25
4 HOLES
.62-11 TAP
Ø11.00 B.C.
.31
LEAD HOLE
Ø2.50
6.23
6.23
9.72
7.13
14.25
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT STOCK LAYOUTS FROM AUTOCAD TO SWD
REV: J
VERSION: 06
REVISED: 03:28:20 12/14/2023
TDR: 000001220227
MODEL NO. 40LYH006
REF: -
BY: USALMAZ
B
BALDOR
HOR OPSB 324-6TC
40LYH006

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