

ABB BALDOR RELIANCE III

Customer information packet

CEM2532T-G

25HP, 1180RPM, 3PH, 60HZ, 324TC, OPSB, F1

Specifications

Enclosure	OPSB
Frame	324TC
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 NEMA PREMIUM 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	34.000 A @ 460.0 V 68.000 A @ 230.0 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
Heater Indicator	No Heater
High Voltage Full Load Amps	34.0 a
Insulation Class	H
Inverter Code	Inverter Ready

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	40WGX192
Layout	40LY-000-045
Eff. date	06-27-2024
CD Diagram	CD0180
Poles	06
Leads	9#10
Proprietary	False
Created date	09-16-2020

IP Rating	NONE
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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 Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	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

NP3554LUA											
CAT.NO.	CEM2532T-G			P/N						ENCL	OPSB
SPEC.	40-0000-0171	CC	010A	FRAME		324TC	SER.NO.				
HP	25		CLASS		H	HZ	60				
RPM	1180		PH	3	DES		A				
VOLTS	230/460			CODE		J	ODE BRG	6309	DE BRG	6312	
AMPS	68/34										
RATING	40C AMB-CONT		NEMA-NOM-EFF			93	GREASE	POLYREX EM			
PF	76	SER.F.	1.15	CT30-60(2:1) VT3-60(20:1)							
USABLE AT	50HZ 25HP 190/380V 78/39A				SF1.0						
HTR-VOLTS	HTR-AMPS	MAX. SPACE HEATER TEMP.									

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. @ 25°C	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

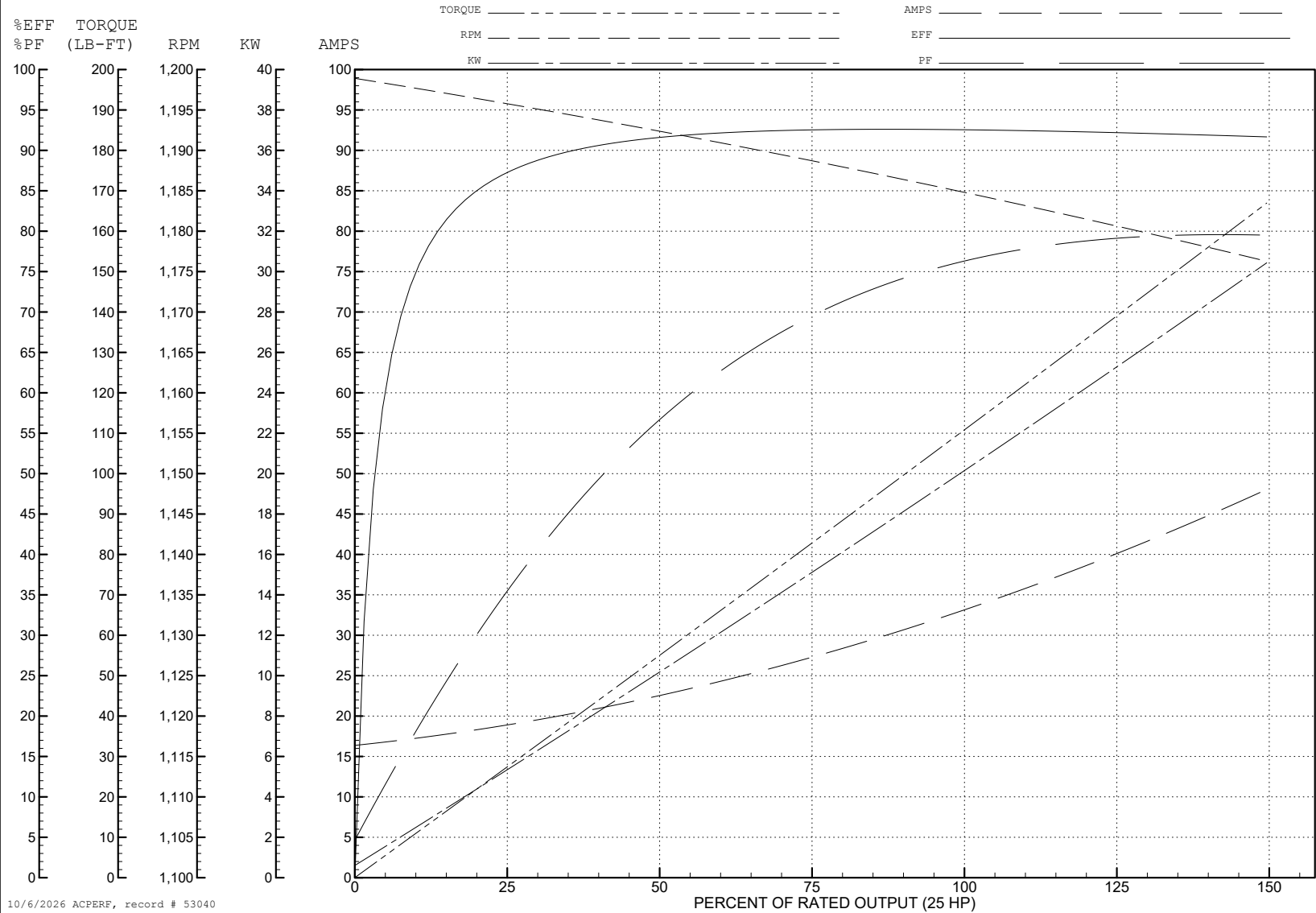
ABB Motors and Mechanical Inc.

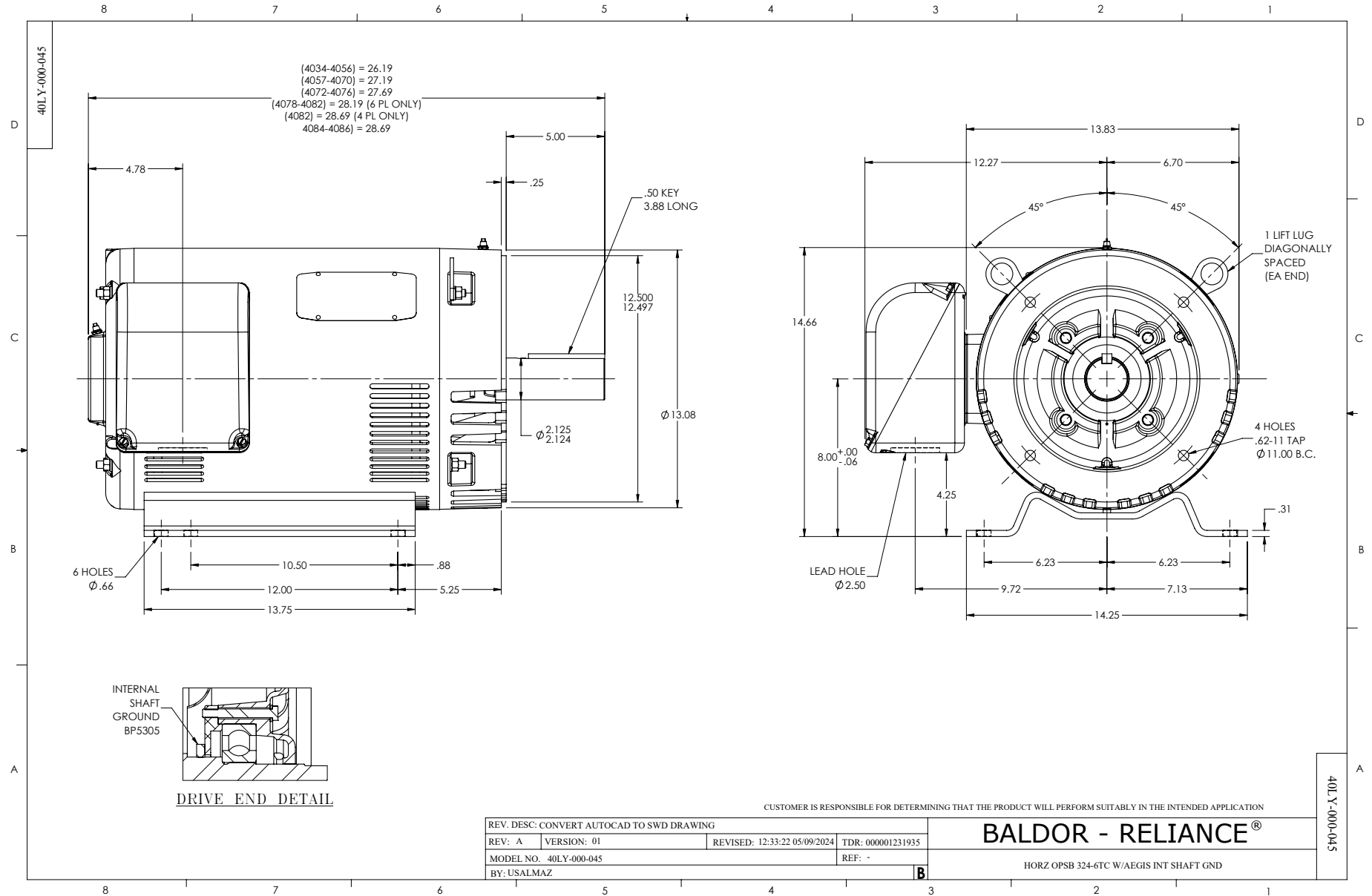
WINDING # 40WGX192

Typical performance - not guaranteed values.

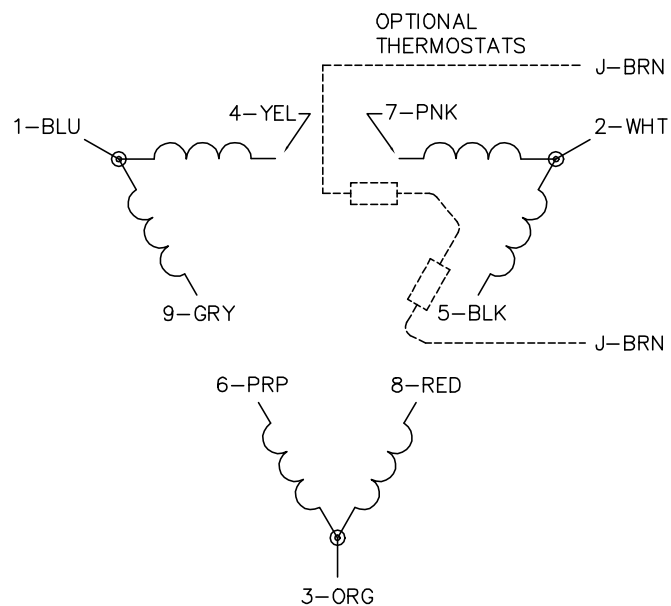
25 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

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

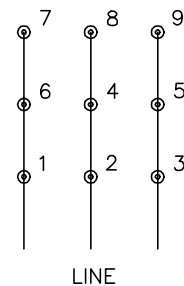




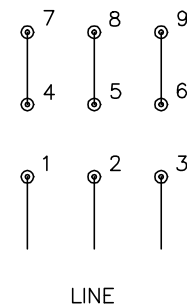
CD0180



LOW VOLTAGE
(2D)



HIGH VOLTAGE
(1D)



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.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —



BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

CD0180