ABB BALDOR RELIANCE

Customer information packet

EJPM2531T

25HP, 1775RPM, 3PH, 60HZ, 284JP, 4050M, OPSB, F

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Specifications

Enclosure	OPSB
Frame	284JP
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	64.000 A @ 208.0 V
	60.000 A @ 230.0 V
	30.000 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
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	30.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part Detail

Revision	G
Type	AC
Mech. spec.	40E210
Base	
Status	PRD/A
Elec. spec.	40WGX806
Layout	40LYE210
Eff. date	04-16-2026
CD Diagram	CD0005
Poles	04
Leads	9#10
Proprietary	False
Created date	02-10-2021

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4050M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	28.81 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1775 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.	EJPM2531T			**P/N**				**ENCLOSURE**	OPSB			
SPEC.	40E210X806	**CC**	010A	**FRAME**	284JP	**S/N**						
HP	25	**CLASS**	F	**HZ**	60							
RPM	1775	**PH**	3	**DES**	A							
VOLT	230/460	**KVA-CODE**	G	**ODE BRG**	6309	**DE BRG**	6312					
AMP	60/30											
RATING	40C AMB-CONT	**GREASE**	POLYREX EM									
NEMA-NOM-EFF	93.6	**PF**	82	**SER.F.**	1.15							
	50HZ 25HP 190/380V 72/36A					SF1.0						
HTR-VOLTS		**HTR-AMPS**										

AC Induction Motor Performance Data
Record # 86783
Typical performance - not guaranteed values

Winding: 40WGX806-R001	**Type:** 4050M	**Enclosure:** OPSB

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			25	**Full Load Torque**	73.81 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			60/30	**Breakdown Torque**	232 LB-FT
R.P.M.			1775	**Pull-up Torque**	116 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	133 LB-FT
NEMA Design Code	A	**KVA Code**	G	**Starting Current**	192 A
Service Factor (S.F.)			1.15	**No-load Current**	12.6 A
NEMA Nom. Eff.	93.6	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.35407 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	28°C
S.F. Amps				**Temp. Rise @ S.F. Load**	34°C
				Locked-rotor Power Factor	35

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	67	78	82	85	85	84
Efficiency	89.4	93.1	93.8	93.6	93	92.1	93.2
Speed	1794.8	1789.5	1783.7	1777.6	1771	1763.2	1774
Line amperes	14.5	18.6	24.1	30.3	37.2	44.6	34.4

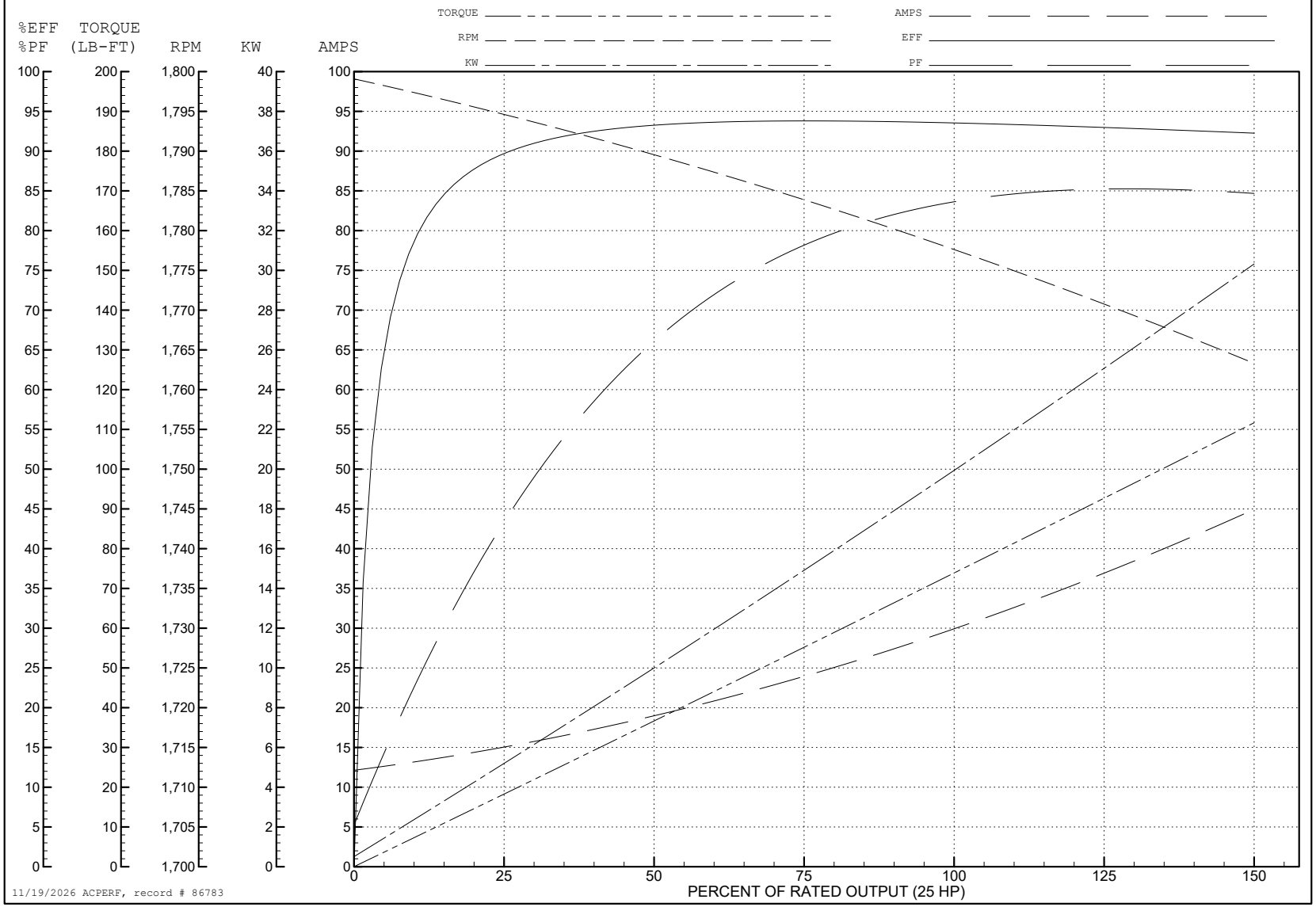
ABB Motors and Mechanical Inc.

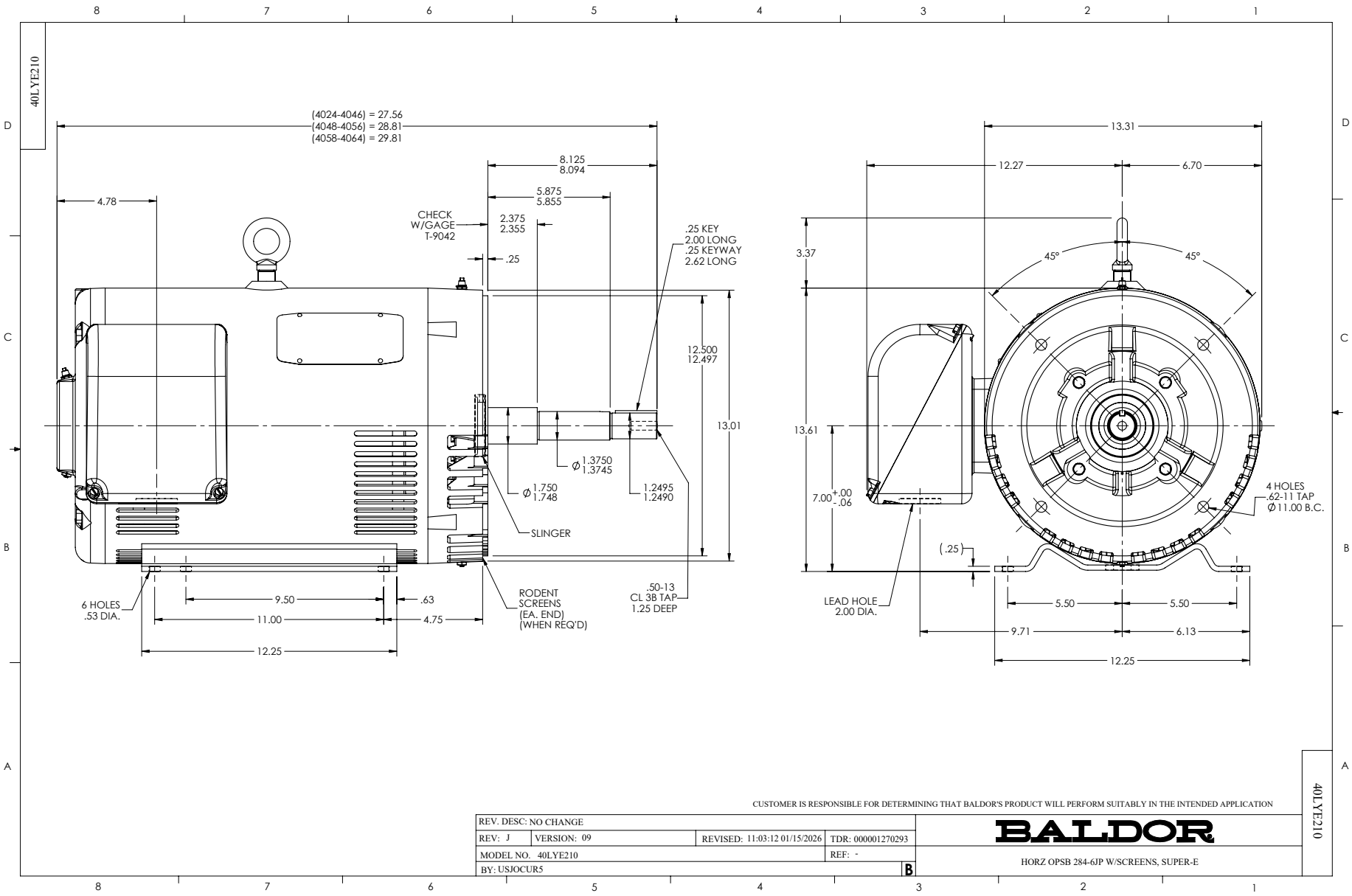
WINDING # 40WGX806

25 HP 3 PH 60 HZ 1775 RPM 460 V 4050M

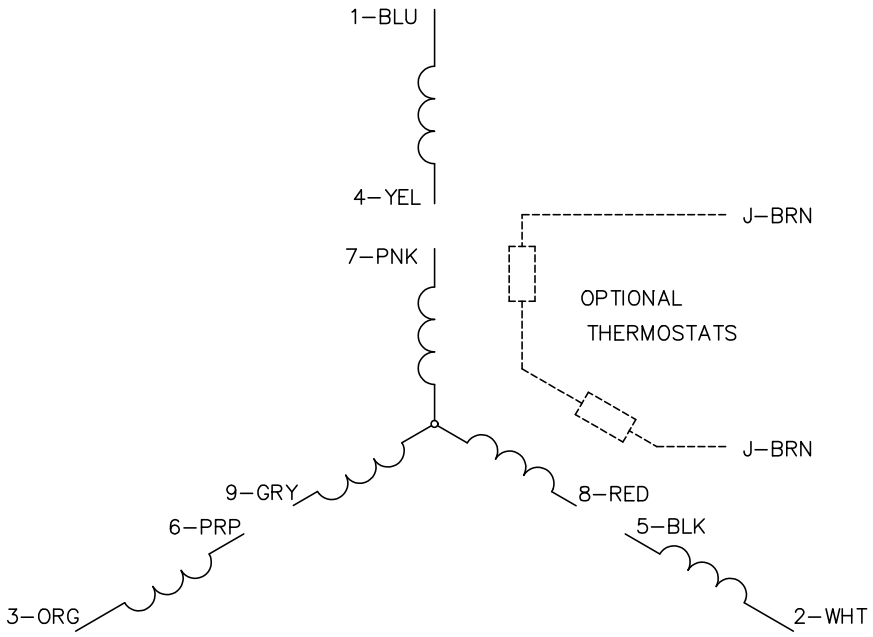
Typical performance - not guaranteed values.

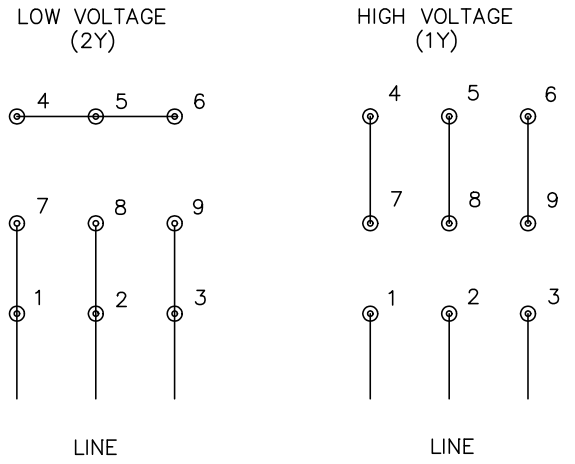
TORQUES(LB-FT): PO=232 PU=116 LR=133 LRA=192




40LYE210
(4024-4046) = 27.56
(4048-4056) = 28.81
(4058-4064) = 29.81
8.125
8.094
5.875
5.855
4.78
CHECK
W/GAGE
T-9042
2.375
2.355
.25
.25 KEY
2.00 LONG
.25 KEYWAY
2.62 LONG
12.500
12.497
13.01
Ø 1.3750
1.3745
Ø 1.750
1.748
1.2495
1.2490
SLINGER
6 HOLES
.53 DIA.
9.50
.63
11.00
4.75
12.25
RODENT
SCREENS
(EA. END)
(WHEN REQ'D)
.50-13
CL 3B TAP
1.25 DEEP
13.31
12.27
6.70
3.37
45°
45°
13.61
7.00 +.00 -.06
4 HOLES
.62-11 TAP
Ø11.00 B.C.
(.25)
LEAD HOLE
2.00 DIA.
5.50
5.50
9.71
6.13
12.25
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: NO CHANGE
REV: J
VERSION: 09
REVISED: 11:03:12 01/15/2026
TDR: 000001270293
MODEL NO. 40LYE210
REF: -
BY: USJOCUR5
B
BALDOR
HORZ OPSB 284-6JP W/SCREENS, SUPER-E
40LYE210

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