

**BALDOR® • RELIANCE™**

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# Customer information packet

## EJPM2535T

30HP, 1775RPM, 3PH, 60HZ, 286JP, 4060M, OPSB, F

## Specifications

Enclosure	OPSB
Frame	286JP
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	30.000 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	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	72.000 A @ 230.0 V 76.000 A @ 208.0 V 36.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
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	36.0 a

## Part detail

Revision	P
Type	AC
Mech. spec.	40E210
Base	
Status	PRD/A
Elec. spec.	40WGX339
Layout	40LYE210
Eff. date	09-10-2024
CD Diagram	CD0005
Poles	04
Leads	9#8
Proprietary	False
Created date	06-22-2016

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	9 @ 8 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	4060M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	29.81 IN
<b>Power Factor</b>	82
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Tapped & Key
<b>Rodent Screen</b>	Included
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.750 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1775 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP2138LUA**

<b>CAT.NO.</b>	EJPM2535T	<b>P/N</b>		<b>ENCLOSURE</b>	OPSB
<b>SPEC.</b>	40E210X339	<b>CC</b>	010A	<b>FRAME</b>	286JP
<b>HP</b>	30	<b>CLASS</b>	F	<b>HZ</b>	60
<b>RPM</b>	1775	<b>PH</b>	3	<b>DES</b>	A
<b>VOLT</b>	230/460	<b>KVA-CODE</b>	H	<b>ODE BRG</b>	6309
<b>AMP</b>	74/37	<b>DE BRG</b>			6312
<b>RATING</b>	40C AMB-CONT	<b>GREASE</b>	POLYREX EM		
<b>NEMA-NOM-EFF</b>	94.1	<b>PF</b>	80	<b>SER.F.</b>	1.15
	50HZ 30HP 190/380V 86/43A			SF1.0	
<b>HTR-VOLTS</b>		<b>HTR-AMPS</b>			

**AC Induction Motor Performance Data**

Record # 56978

Typical performance - not guaranteed values

Winding: 40WGX339-R001		Type: 4060M	Enclosure: OPSB	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	30	Full Load Torque	88.8 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	72/36	Breakdown Torque	280 LB-FT	
R.P.M.	1775	Pull-up Torque	130 LB-FT	
Hz	60 Phase	Locked-rotor Torque	161 LB-FT	
NEMA Design Code	A KVA Code	Starting Current	252 A	
Service Factor (S.F.)	1.15	No-load Current	15.4 A	
NEMA Nom. Eff.	94.1 Power Factor	Line-line Res. @ 25°C	0.22043 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	29°C	
S.F. Amps		Temp. Rise @ S.F. Load	35°C	
		Locked-rotor Power Factor	31.4	

**Load Characteristics 460 V, 60 Hz, 30 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	67	77	82	85	85	84
Efficiency	90.5	93.8	94.4	94.3	93.9	93.2	94.1
Speed	1793.6	1788.1	1782.5	1776.9	1770.4	1763.1	1773
Line amperes	17.7	22.5	29	36.3	44.3	53	41.1

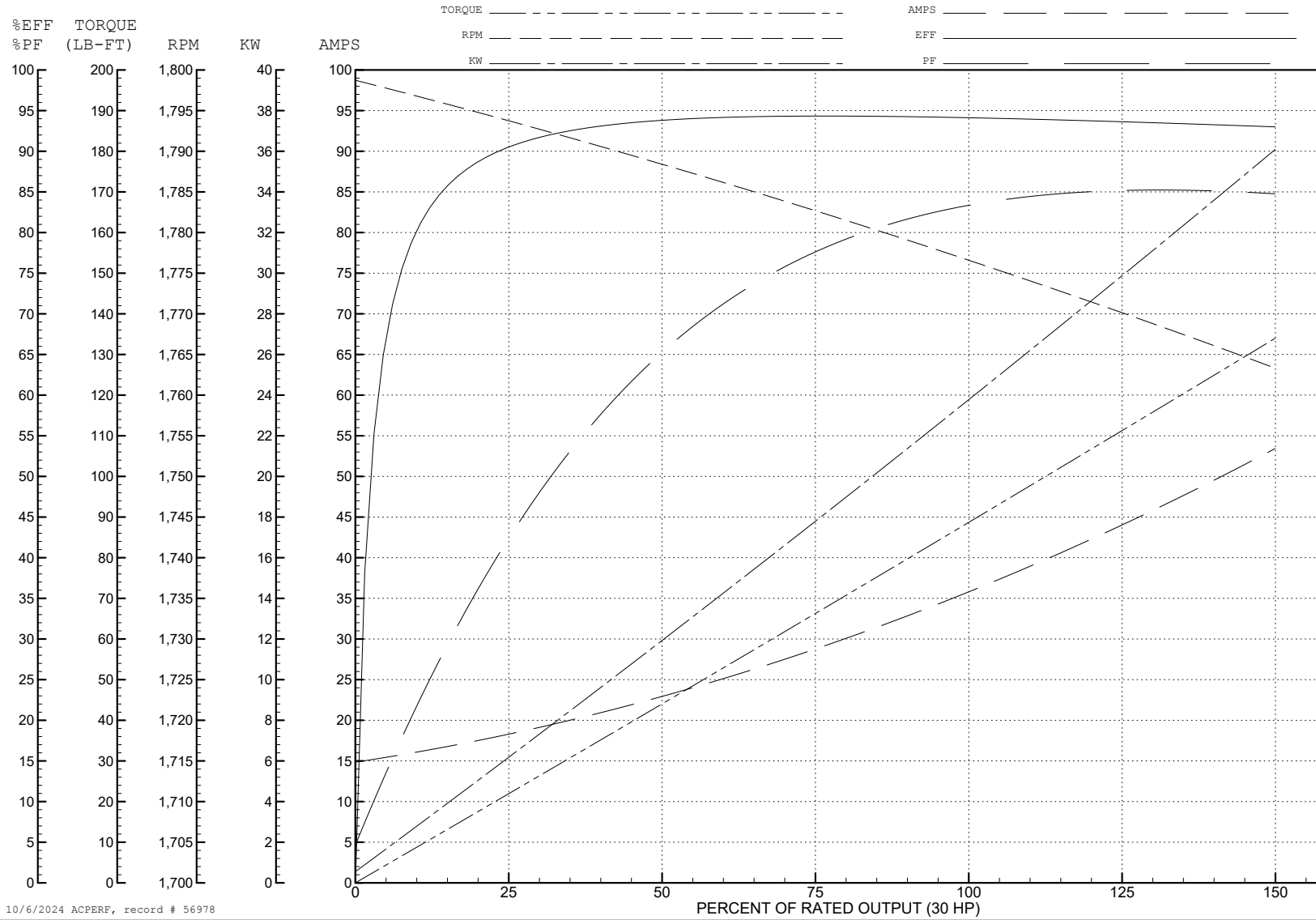
ABB Motors and Mechanical Inc.

WINDING # 40WGX339

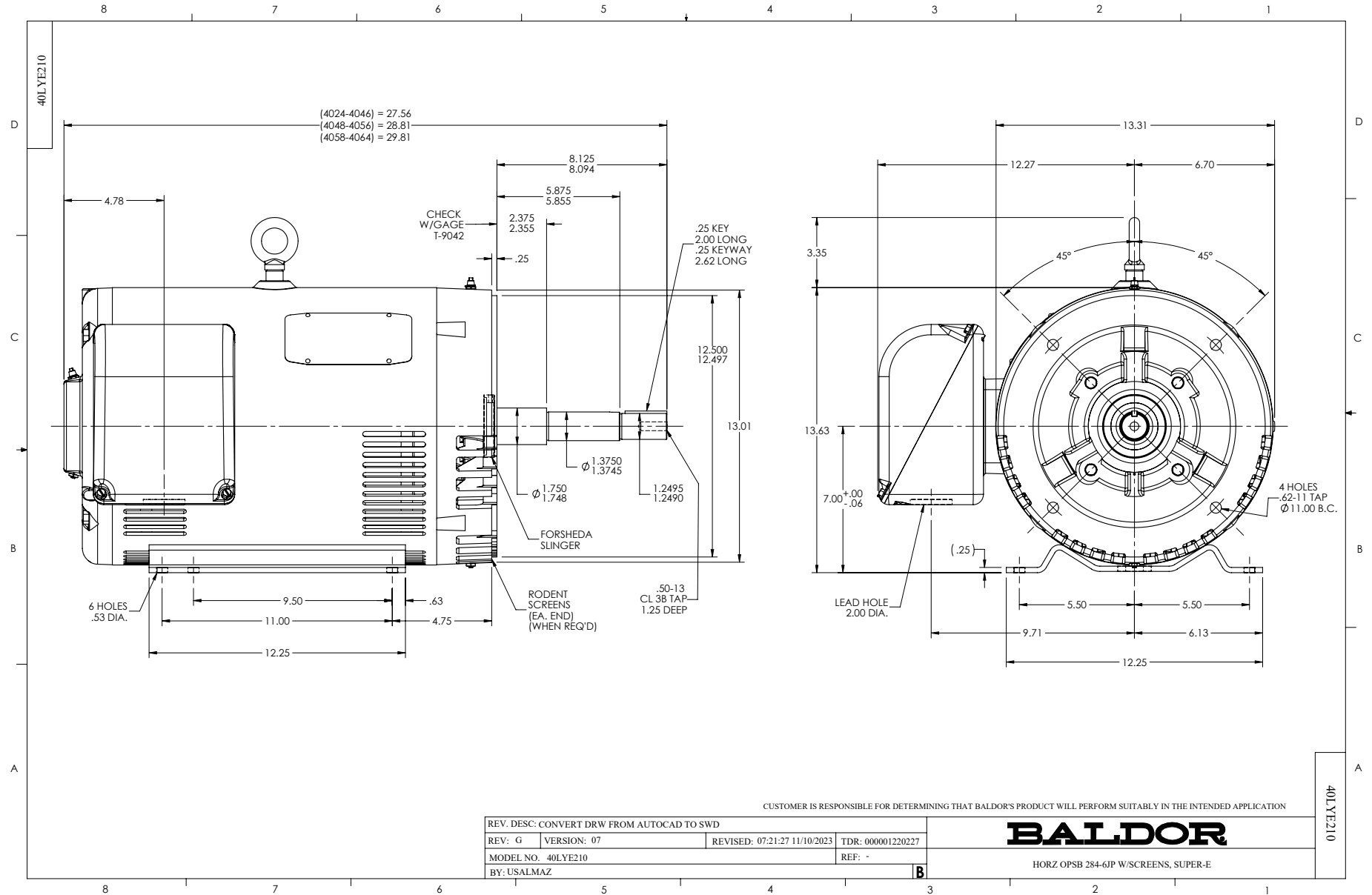
Typical performance - not guaranteed values.

30 HP 3 PH 60 HZ 1775 RPM 460 V 4060M

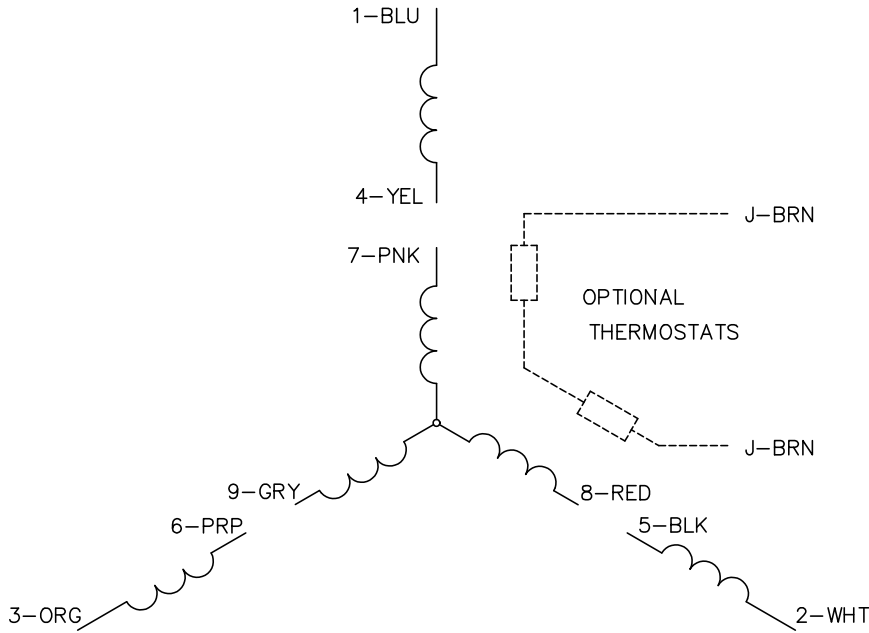
TORQUES (LB-FT): PO=280 PU=130 LR=161 LRA=252



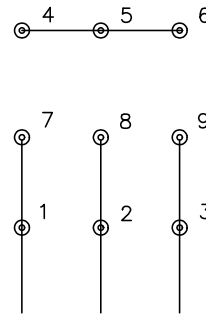
10/6/2024 ACPERF, record # 56978



CD0005

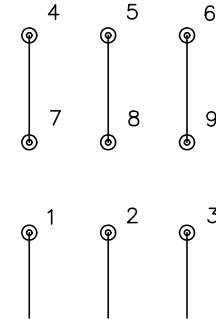


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS