



Customer information packet

SPM3212T

5HP, 3490RPM, 3PH, 60HZ, 182T, 3634M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM WEEE
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	12.200 A @ 208.0 V 5.600 A @ 460.0 V 11.200 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	C
Type	AC
Mech. spec.	36P391
Base	
Status	PRD/A
Elec. spec.	36WGT826
Layout	36LYP391
Eff. date	06-07-2024
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	09-07-2023

High Voltage Full Load Amps	5.6 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.49 IN
Power Factor	93
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3490 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

NP4423A01A01L												
CAT #	SPM3212T				WGT	81	LBS					
SPEC	36P391T826				ENCL	OPSB						
SER #					CC	010A	IP	22				
HP	5	MAG CUR				11.2/5.6						
VOLTS	230/460				NEMA NOM. EFF					91		
AMPS	11.2/5.6				PF	93						
RATING	40C AMB-CONT											
RPM	3490				MAX RPM	5400						
FRAME	182T	HZ	60	CODE	L	CLASS	F					
SER.F.	1.15	SF AMP					PH	3	DES	A		
DE	6206		ODE	6205								
LUBRICATION	POLYREX EM											
ID LOGO	INVERTER TYPE		VPWM	CHP	60	TO	90	1.5:1				
ID LOGO	WK2	0.15	CT	6	TO	60	10:1					
ID LOGO	SL HZ	1.8	VT	3	TO	60	20:1					
					QR							
YR												

AC Induction Motor Performance Data

Record # 100980

Typical performance - not guaranteed values

Winding: 36WGT826-R009		Type: 3634M	Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5	Full Load Torque	7.6 LB-FT	
Volts	230/460	Start Configuration	direct on line	
Full Load Amps	11.2/5.6	Breakdown Torque	41.6 LB-FT	
R.P.M.	3490	Pull-up Torque	26 LB-FT	
Hz	60 Phase	Locked-rotor Torque	30.5 LB-FT	
NEMA Design Code	A KVA Code	Starting Current	59.9 A	
Service Factor (S.F.)	1.15	No-load Current	1.61 A	
NEMA Nom. Eff.	91 Power Factor	Line-line Res. @ 25°C	2.17 Ω	
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	24°C	
S.F. Amps		Temp. Rise @ S.F. Load	31°C	
		Locked-rotor Power Factor	43.2	
		Rotor inertia	0.152 lb-ft ²	

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	83	90	93	94	95	94
Efficiency	89.2	92	91.9	91.1	89.8	88.3	90.3
Speed	3572	3546	3518	3490	3458	3423	3471
Line amperes	2.16	3.15	4.32	5.58	6.96	8.51	6.41

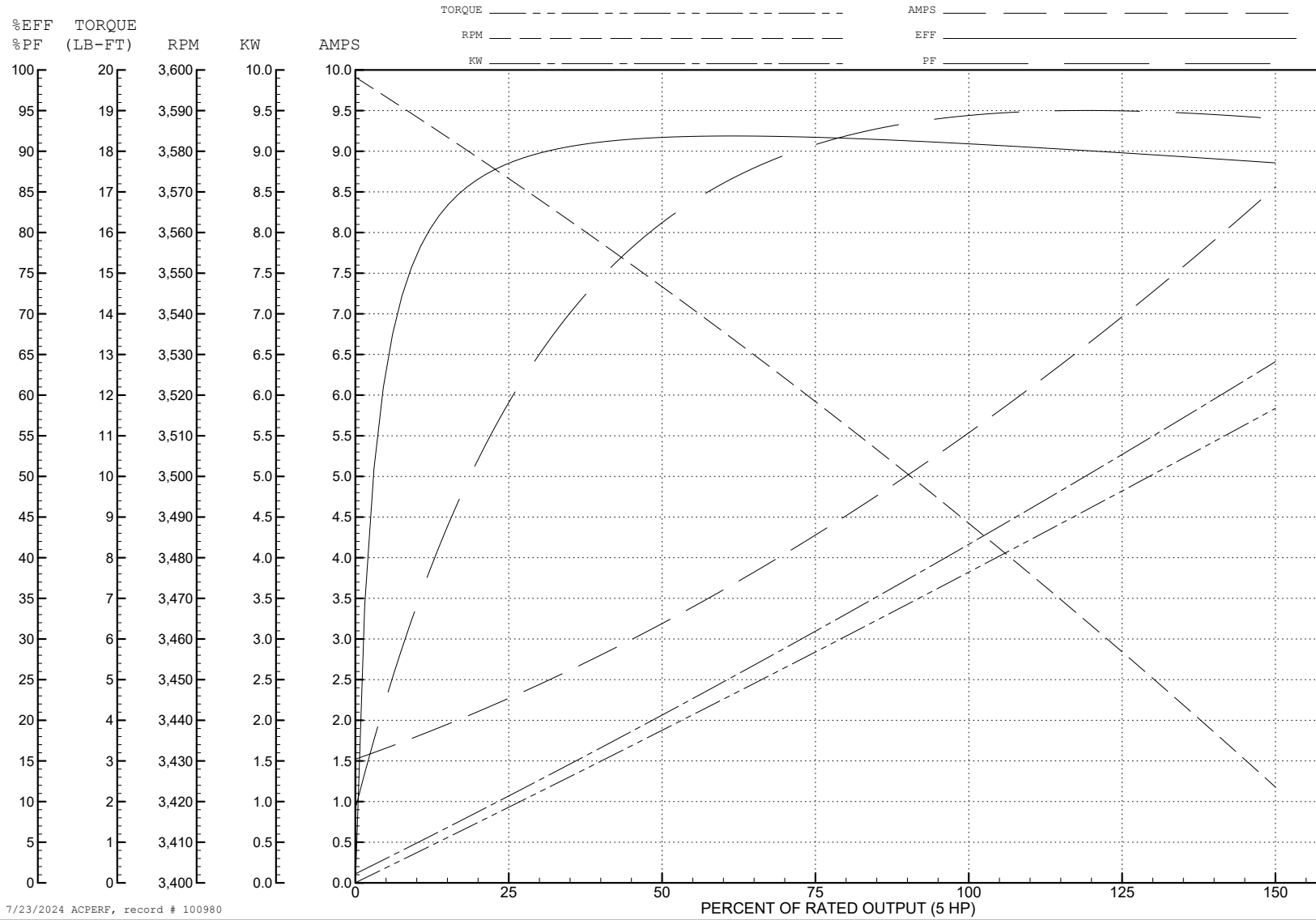
ABB Motors and Mechanical Inc.

WINDING # 36WGT826

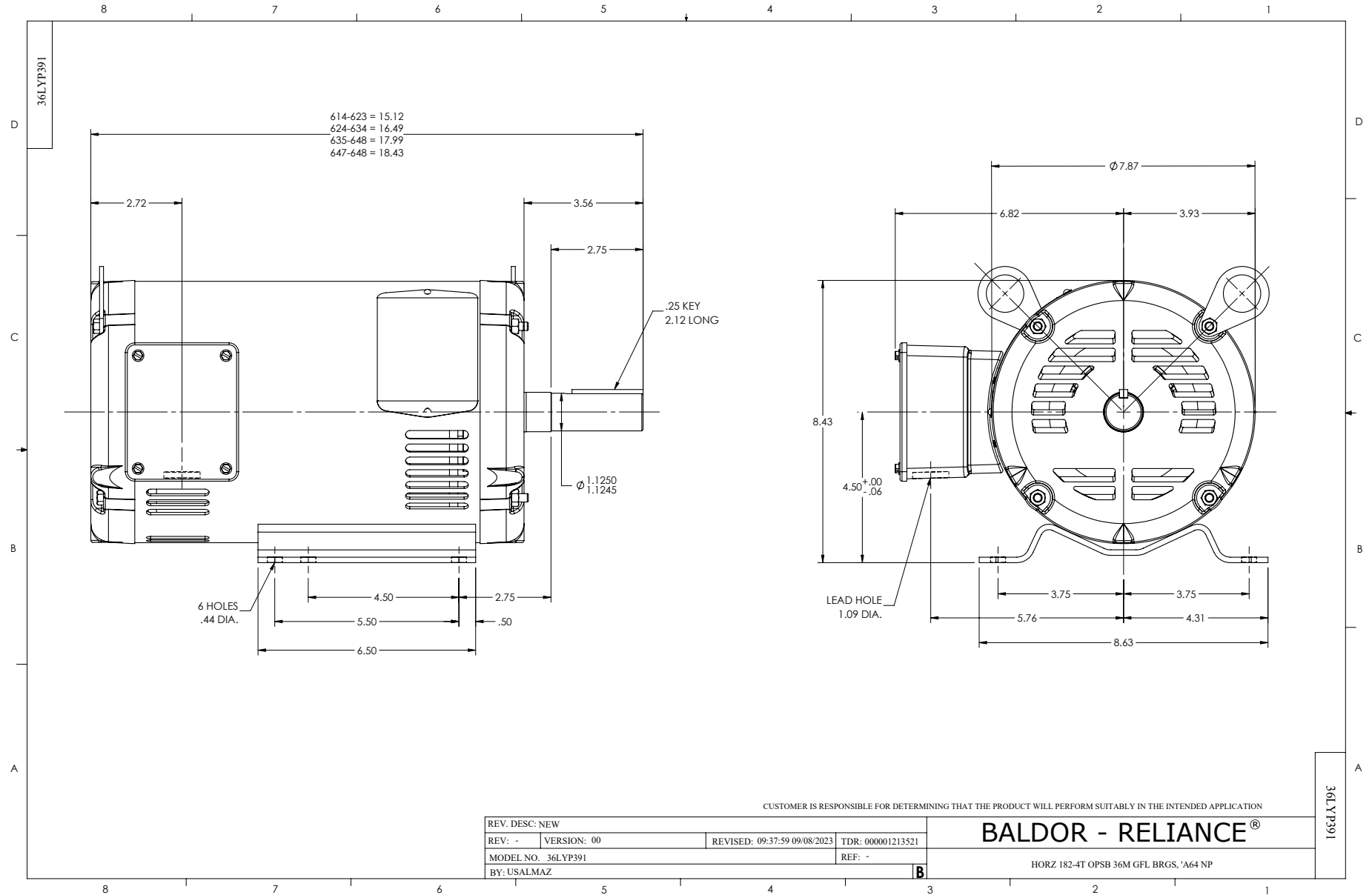
5 HP 3 PH 60 HZ 3490 RPM 460 V 3634M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=41.6 PU=26 LR=30.5 LRA=59.9



7/23/2024 ACPERF, record # 100980



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