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# Customer information packet

## VL3606T

3HP, 3450RPM, 1PH, 60HZ, 182TC, 3634L, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	29.000 A @ 115.0 V 15.000 A @ 208.0 V 14.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

## Part detail

Revision	AA
Type	AC
Mech. spec.	36C003
Base	
Status	PRD/A
Elec. spec.	36WG0201
Layout	36LYC003
Eff. date	01-23-2020
CD Diagram	CD0001
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.55 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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**

<b>NP1256L</b>									
<b>CAT.NO.</b>	VL3606T								
<b>SPEC.</b>	36C03-201								
<b>HP</b>	3								
<b>VOLTS</b>	115/230								
<b>AMP</b>	29/14.5								
<b>RPM</b>	3450								
<b>FRAME</b>	182TC		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	G	<b>DES</b>	L	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	76	<b>PF</b>	87						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>			<b>USABLE AT 208V</b>				15		
<b>DE</b>	6206		<b>ODE</b>	6205					
<b>ENCL</b>	TEFC	<b>SN</b>							

**AC Induction Motor Performance Data**

Record # 29181

Typical performance - not guaranteed values

Winding: 36WG0201-R001		Type: 3634L	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	3		Full Load Torque	4.5 LB-FT
Volts	115/230		Start Configuration	direct on line
Full Load Amps	29/14.5		Breakdown Torque	14 LB-FT
R.P.M.	3450		Pull-up Torque	8 LB-FT
Hz	60 Phase	1	Locked-rotor Torque	10 LB-FT
NEMA Design Code	L KVA Code	G	Starting Current	86 A
Service Factor (S.F.)	1.15		No-load Current	5.5 A
NEMA Nom. Eff.	76 Power Factor	87	Line-line Res. @ 25°C	0.588 Ω A Ph 0.896 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	80°C
S.F. Amps			Temp. Rise @ S.F. Load	95°C

**Load Characteristics 230 V, 60 Hz, 3 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	70	83	88	91	92	92	92
Efficiency	61	71	73.5	76	75	73	75.4
Speed	3558	3526	3496	3457	3407	3356	3427
Line amperes	7	9	11.5	14.5	18	21.8	16.6

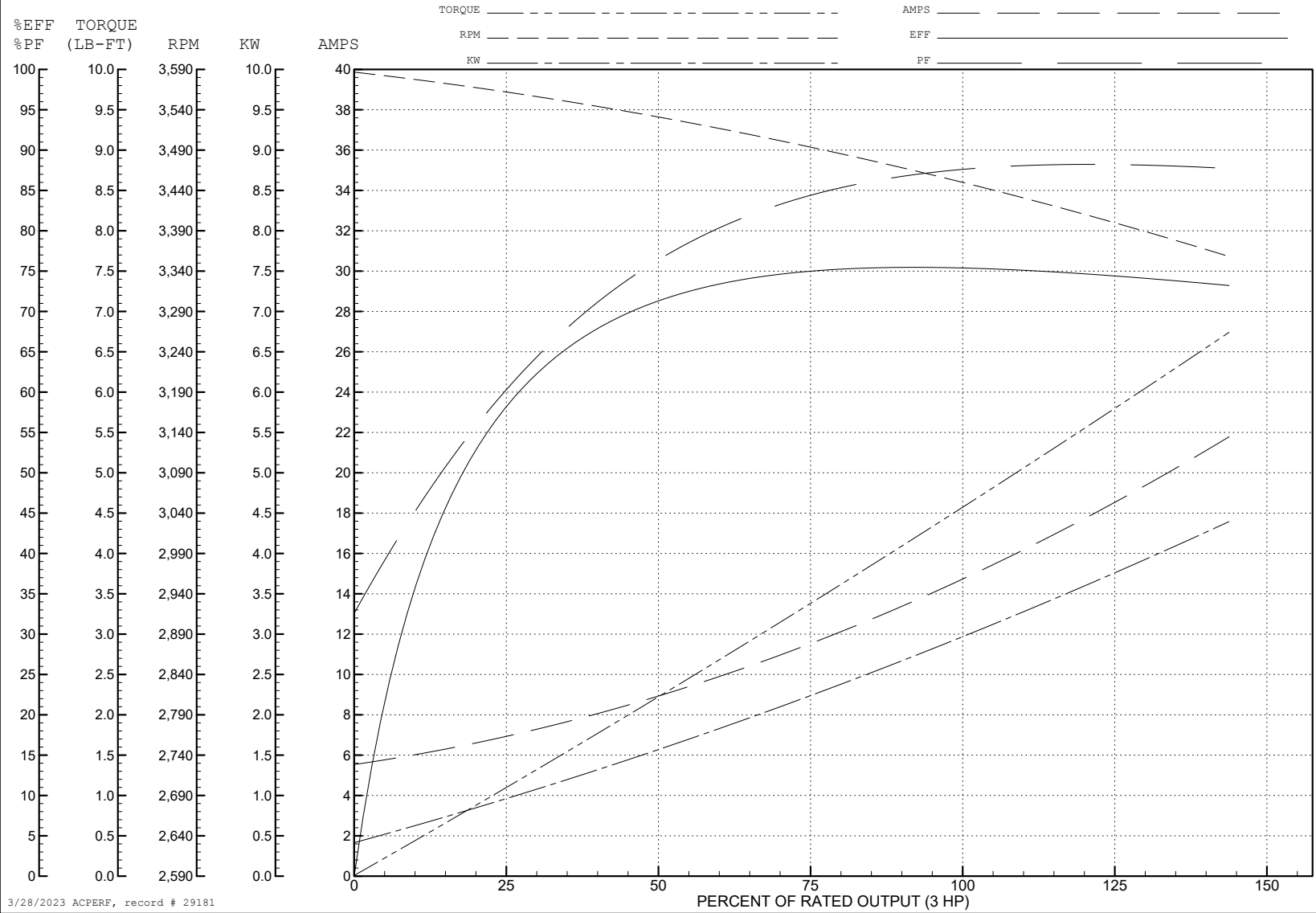
ABB Motors and Mechanical Inc.

WINDING # 36WG0201

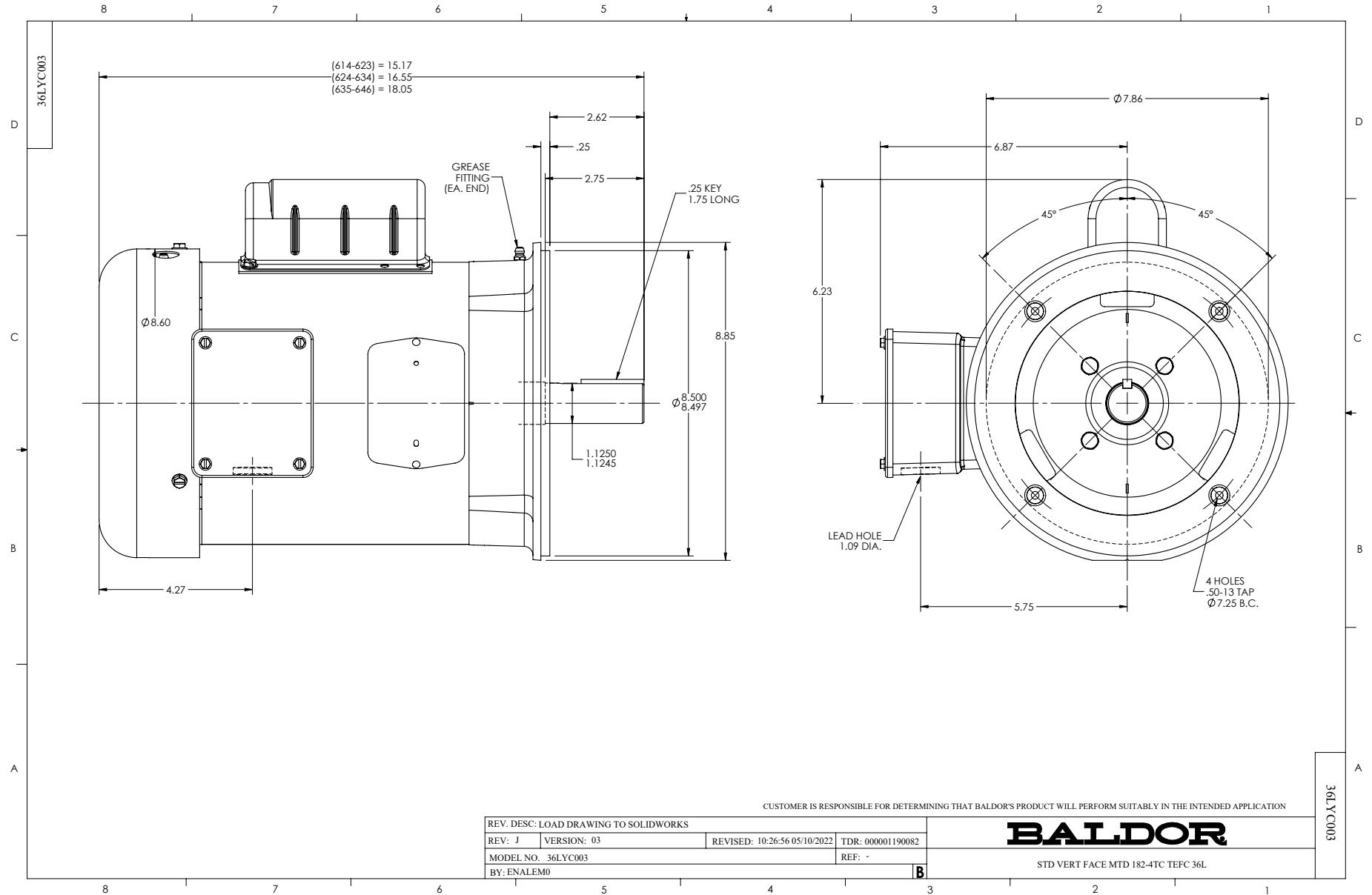
3 HP 1 PH 60 HZ 3450 RPM 230 V 3634L

Typical performance - not guaranteed values.

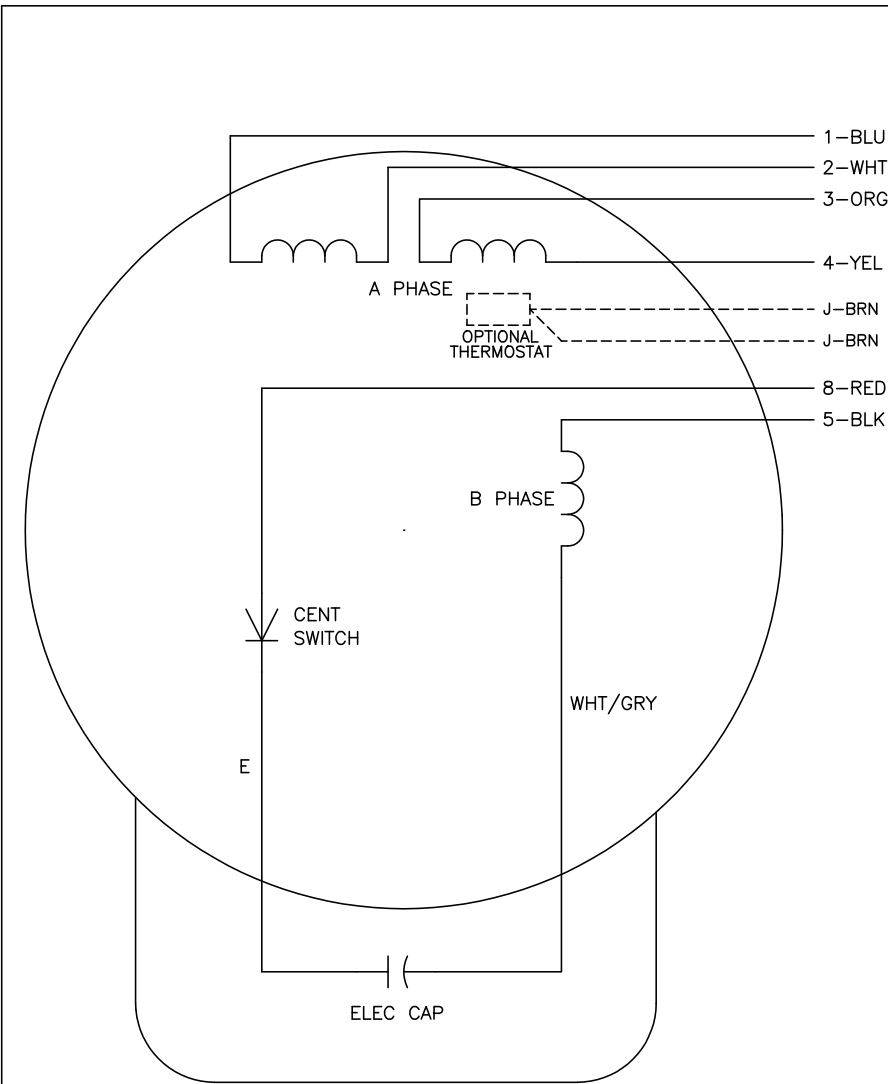
TORQUES (LB-FT): PO=14 PU=8 LR=10 LRA=86



3/28/2023 ACPERF, record # 29181



CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

**NOTES:**

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS

CD0001