

ABB BALDOR RELIANCE III

Customer information packet

VL1408T

3HP, 1725RPM, 1PH, 60HZ, 184TC, 3634LC, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	184TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	16.000 A @ 230.0 V 16.800 A @ 208.0 V 32.000 A @ 115.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	16.0 a

Part Detail

Revision	AQ
Type	AC
Mech. spec.	36E001
Base	
Status	PRD/A
Elec. spec.	36WG2759
Layout	36LYE001
Eff. date	05-09-2024
CD Diagram	CD0016A01
Poles	04
Leads	4#14 A PH,3#16 B PH
Proprietary	False
Created date	01-01-0001

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
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	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.55 IN
Power Factor	78
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	1725 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

NP1256L									
CAT.NO.	VL1408T								
SPEC.	36E01-2759								
HP	3								
VOLTS	115/230								
AMP	32/16								
RPM	1725								
FRAME	184TC		HZ	60			PH	1	
SER.F.	1.15		CODE	H	DES	L	CLASS	F	
NEMA-NOM-EFF	78		PF	78					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	ODTF		SN						

AC Induction Motor Performance Data

Record # 61439

Typical performance - not guaranteed values

Winding: 36WG2759-R007			Type: 3634LC		Enclosure: ODTF	
Nameplate Data				230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		3	Full Load Torque		9 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		32/16	Breakdown Torque		21 LB-FT	
R.P.M.		1725	Pull-up Torque		14.4 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		30.8 LB-FT
NEMA Design Code		L	KVA Code	Starting Current		107 A
Service Factor (S.F.)		1.15	No-load Current		8.5 A	
NEMA Nom. Eff.		78	Power Factor	78	Line-line Res. @ 25°C 4.156 Ω A Ph 0.586 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C
S.F. Amps				Temp. Rise @ S.F. Load		72°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	64	73	79	85	83	83
Efficiency	62.6	74.9	78.6	78	75	74.9	76.1
Speed	1788	1780	1769	1756	1733	1721	1742
Line amperes	9.1	10.4	15.8	16	19	23	17.8

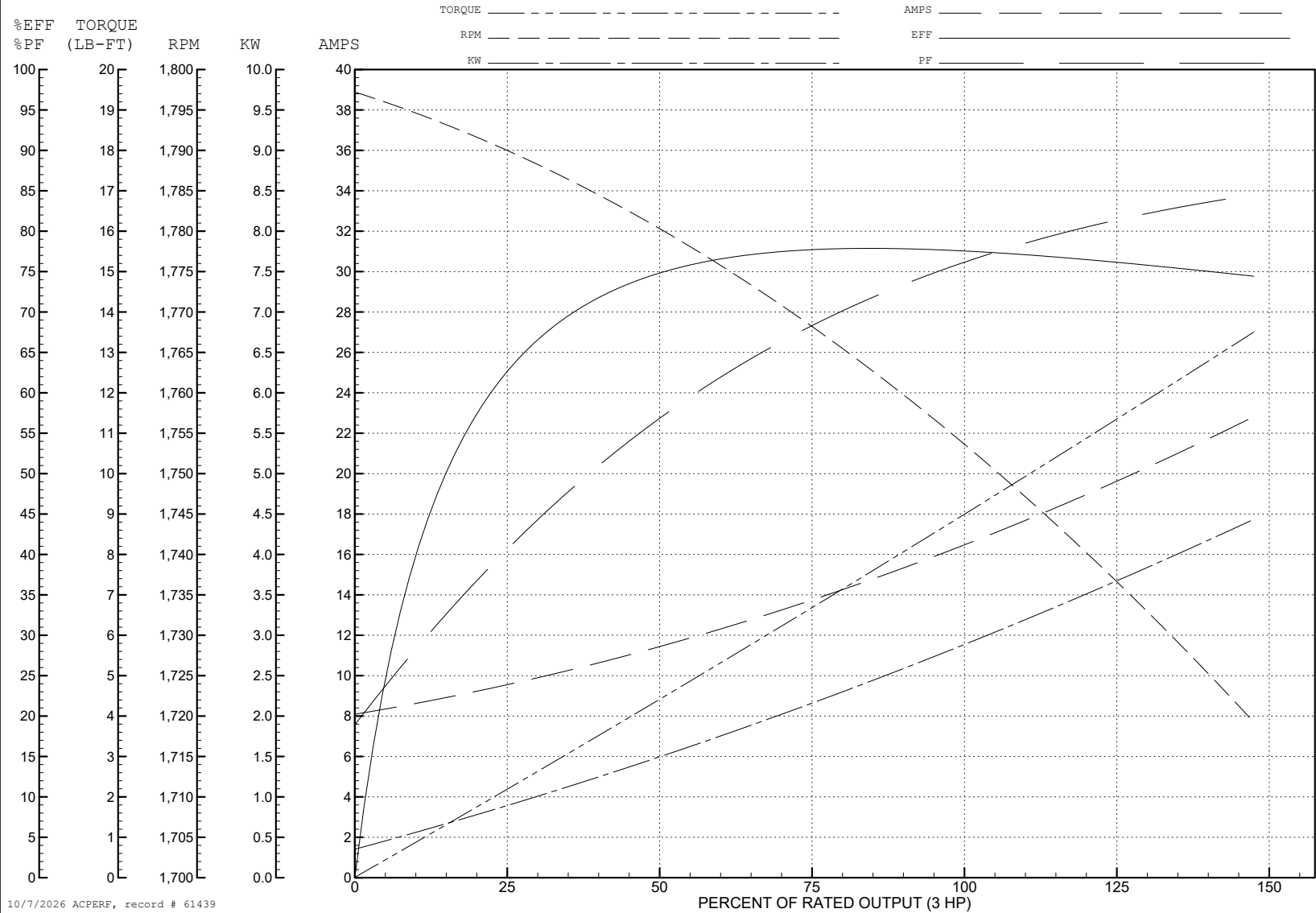
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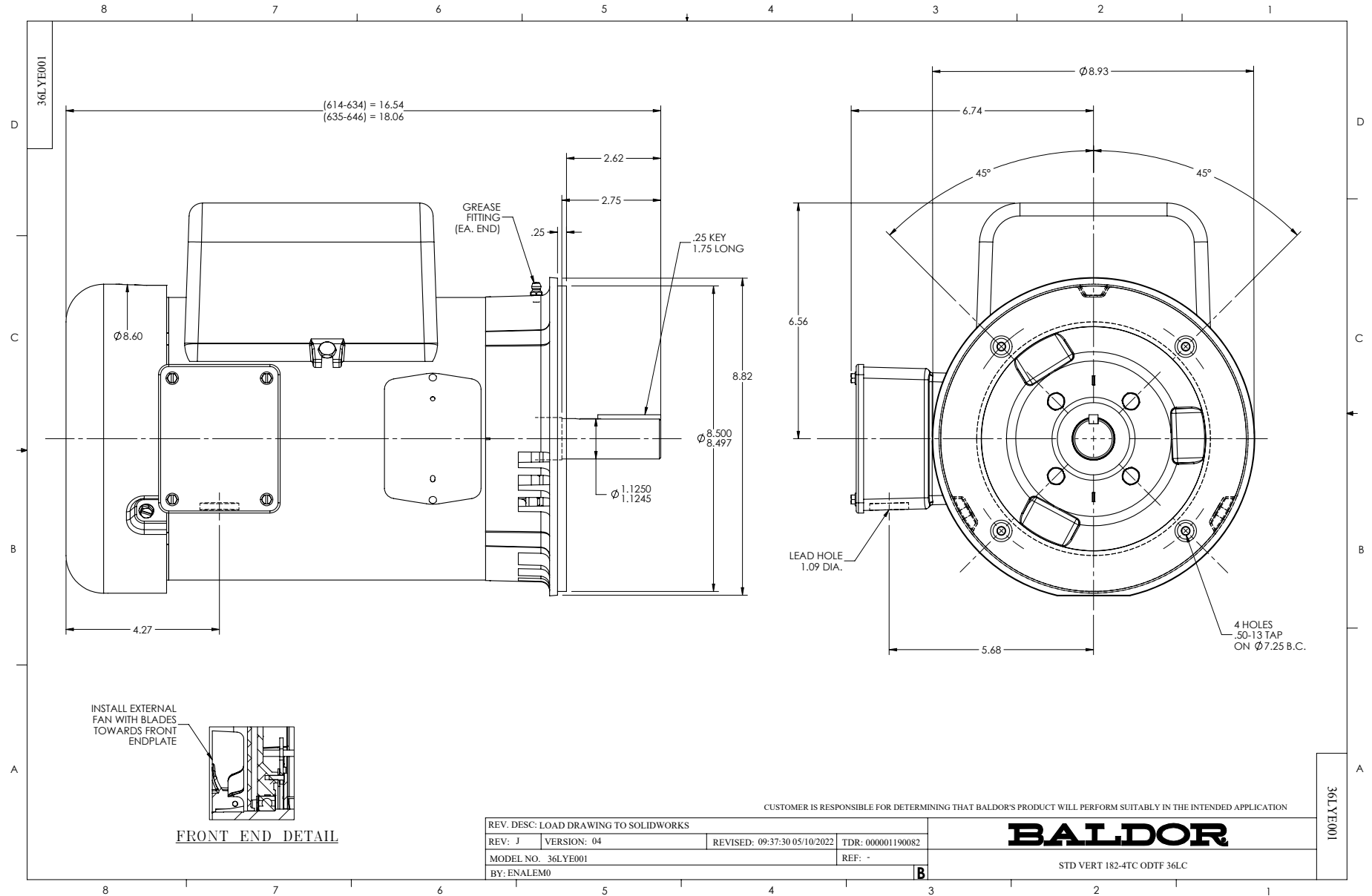
WINDING # 36WG2759

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

TORQUES (LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107





CD0016A01

