

ABB BALDOR RELIANCE III

Customer information packet

VL1406T

3HP, 3450RPM, 1PH, 60HZ, 182TC, 3532LC, ODTF

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	182TC
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	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUS 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	13.600 A @ 230.0 V 14.700 A @ 208.0 V 27.200 A @ 115.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	Y
Type	AC
Mech. spec.	35U226
Base	
Status	PRD/A
Elec. spec.	35WGZ508
Layout	35LYU226
Eff. date	05-07-2024
CD Diagram	CD0055
Poles	02
Leads	4#14 A PH,2#18 B PH
Proprietary	False
Created date	06-22-2007

High Voltage Full Load Amps	13.6 a
Insulation Class	B
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	3532LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.18 IN
Power Factor	92
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
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

NP1256L									
CAT.NO.	VL1406T								
SPEC.	35U226Z508								
HP	3								
VOLTS	115/230								
AMP	27.2/13.6								
RPM	3450								
FRAME	182TC		HZ	60			PH	1	
SER.F.	1.15		CODE	H	DES	L	CLASS	B	
NEMA-NOM-EFF	75.5		PF	92					
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6203					
ENCL	ODTF		SN						

Parts List

Part number	Description	Quantity
SA112629	SA 35U226Z508	1.000 ea
RA103883	RA 35U226Z508	1.000 ea
OC3040F18SP	7YL OIL CAP 40MFD/370V	1.000 ea
EC1815A06SP	ELEC CAP 115V 2.0 X 4.3	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3209C00	MASTER ODE,203 BRG,.683SH,GRSR@6,DRIP CV	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB3801	CAPACITOR COVER, CAST	1.000 ea
HA7010	CAPACITOR RETENTION CLAMP	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP1409A01	PU ENDPLATE, MACH	1.000 ea
35AD2001	AIR BAFFLE	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
10XN2520A20	1/4-20X 1 1/4 HEX HD X	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4006A04	DRIP COVER SPECIAL, W/ PRIMER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea

WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 ea
SP5181A28	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 ea
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
PK3083	STYROFOAM PACKING CRADLE	1.000 ea
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea

Accessories

Part number	Description	Multiplier
35-1409	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 15705

Typical performance - not guaranteed values

Winding: 35WGZ508-R001			Type: 3532LC	Enclosure: ODTF	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		3	Full Load Torque		4.5 LB-FT
Volts		115/230	Start Configuration		direct on line
Full Load Amps		27.2/13.6	Breakdown Torque		11 LB-FT
R.P.M.		3450	Pull-up Torque		7.2 LB-FT
Hz		60	Phase		1
NEMA Design Code		L	KVA Code		H
Service Factor (S.F.)		1.15	Starting Current		85.8 A
Service Factor (S.F.)		1.15	No-load Current		4.42 A
NEMA Nom. Eff.		75.5	Power Factor		92
NEMA Nom. Eff.		75.5	Line-line Res. @ 25°C		0.812 Ω A Ph 1.04 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load
S.F. Amps			Temp. Rise @ S.F. Load		51°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	83	89	92	93	93	93
Efficiency	62.1	74.3	77.4	76.6	73.4	68.4	74.7
Speed	3564	3534	3500	3458	3405	3324	3426
Line amperes	5.47	7.62	10.3	13.6	17.7	23	16.1

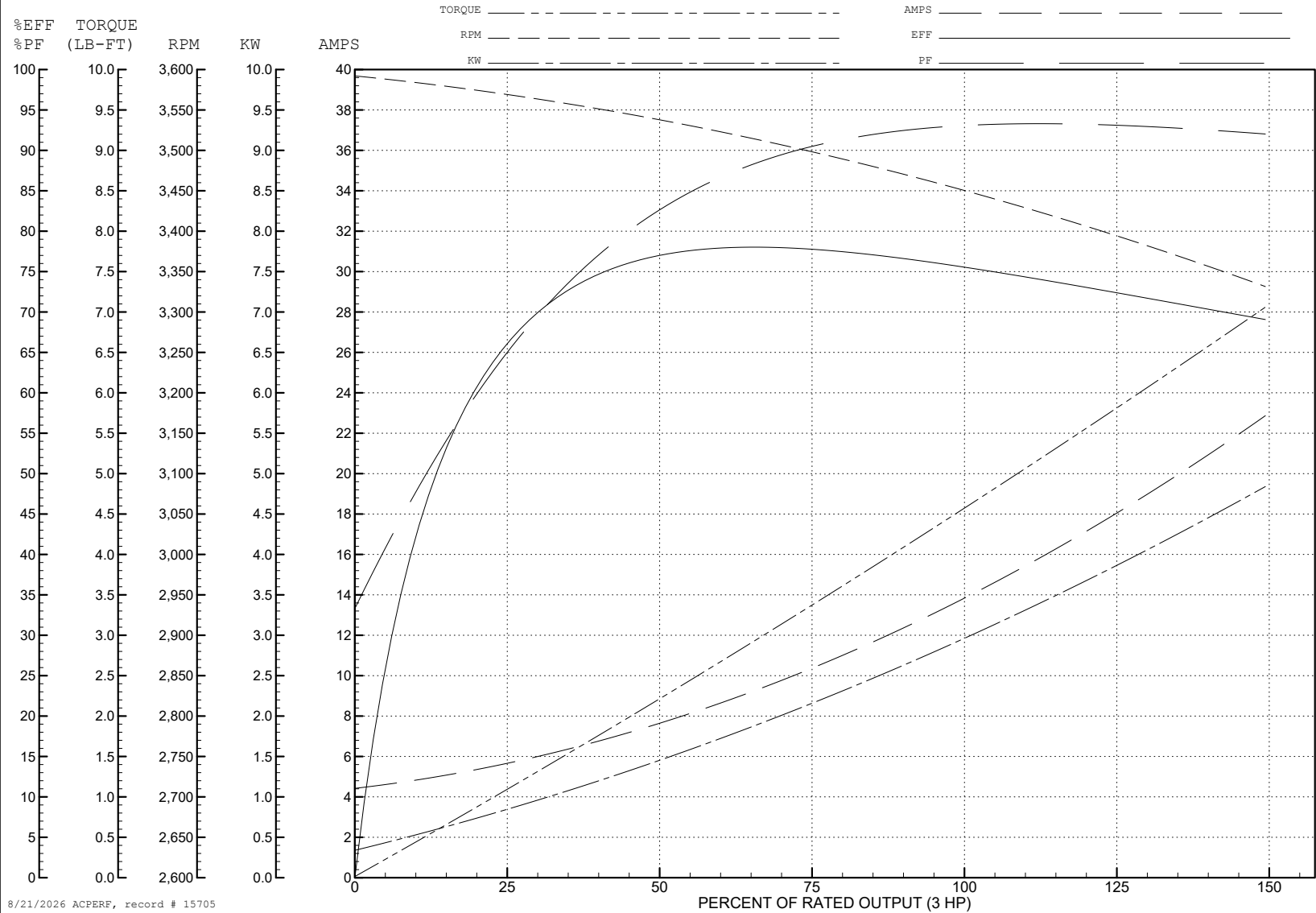
ABB Motors and Mechanical Inc.

WINDING # 35WGZ508

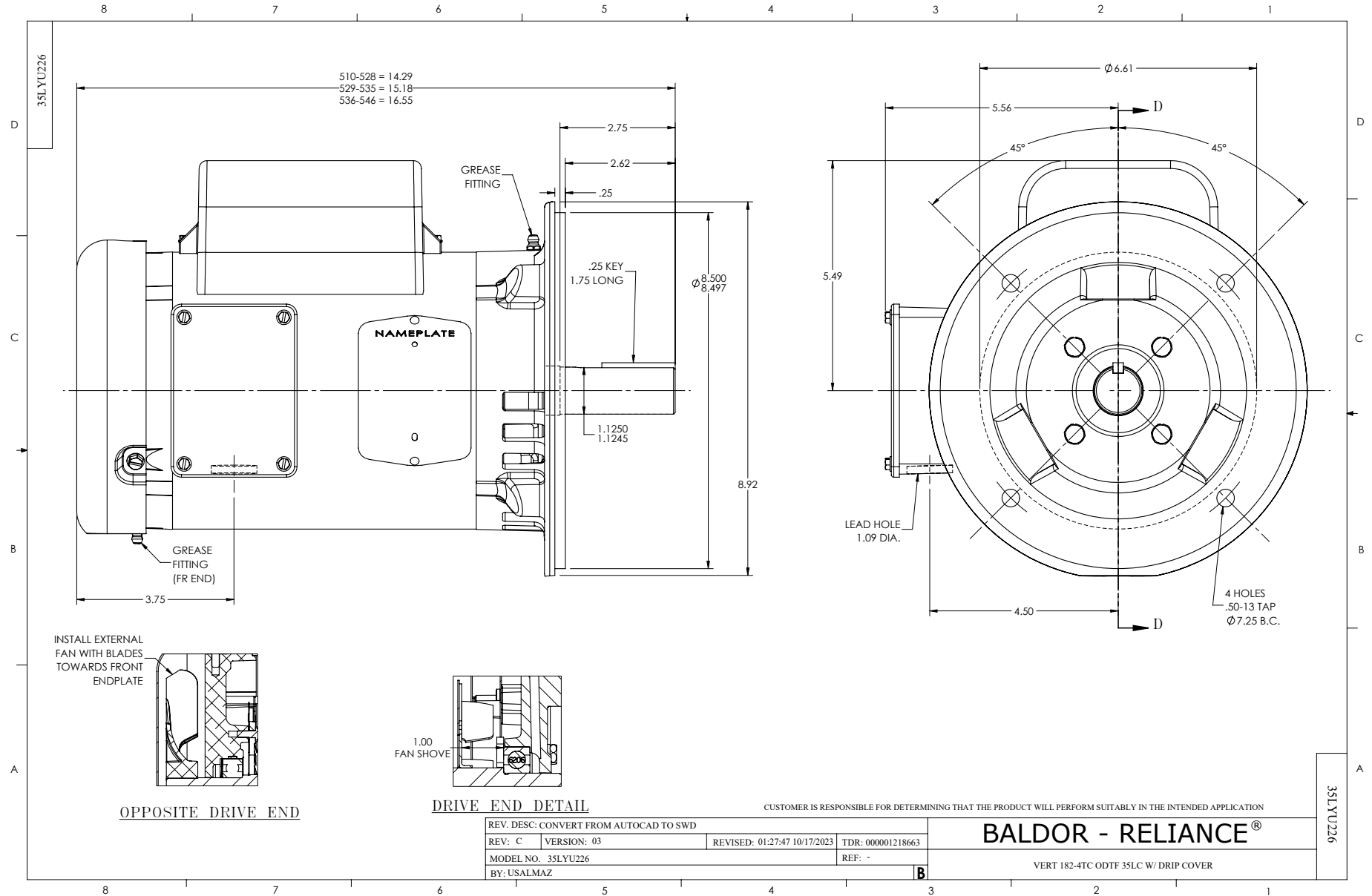
Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3532LC

TORQUES (LB-FT): PO=11 PU=7.2 LR=10 LRA=85.8



8/21/2026 ACPERF, record # 15705



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