

# **ABB BALDOR RELIANCE III**

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## **Customer information packet** CEDM3615T

5HP, 1750RPM, 3PH, 60HZ, 184TC, 3642M, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	184TC
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	5.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	460.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Constant Torque Speed Range</b>	6
<b>Current @ Voltage</b>	6.700 A @ 460.0 V 13.900 A @ 208.0 V 13.400 A @ 230.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	89.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated

**Part Detail**

<b>Revision</b>	F
<b>Type</b>	AC
<b>Mech. spec.</b>	36Q736
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	36WGS268
<b>Layout</b>	36LYQ736
<b>Eff. date</b>	06-24-2021
<b>CD Diagram</b>	CD0005
<b>Poles</b>	04
<b>Leads</b>	9#16
<b>Proprietary</b>	False
<b>Created date</b>	04-22-2016

<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	6.7 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	9 @ 16 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3642M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	18.10 IN
<b>Power Factor</b>	78
<b>Product Family</b>	Dirty Duty Plus
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 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>	No Slinger
<b>Speed</b>	1750 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line

<b>Thermal Device - Bearing</b>	<b>None</b>
<b>Thermal Device - Winding</b>	<b>None</b>
<b>Vibration Sensor Indicator</b>	<b>No Vibration Sensor</b>
<b>Winding Thermal 1</b>	<b>None</b>
<b>Winding Thermal 2</b>	<b>None</b>

**Nameplate**

<b>NP3504</b>									
<b>CAT NO</b>	CEDM3615T								
<b>SPEC.</b>	36Q736S268G1	<b>ENCL</b>	TEFC						
<b>FRAME</b>	184TC	<b>HP</b>	5						
<b>VOLTS</b>	230/460								
<b>FLA</b>	13.4/6.7	<b>I.P.</b>	56						
<b>RPM</b>	1750	<b>RPM MAX</b>	2700						
<b>HZ</b>	60	<b>PH</b>	3	<b>CLASS</b>	F				
<b>SER.F.</b>	1.15	<b>DES</b>	B	<b>CC</b>	010A				
<b>NEMA-NOM-EFF</b>	89.5								
<b>RATING</b>	40C AMB-CONT								
<b>DE BRG</b>	6206	<b>ODE BRG</b>	6205						
<b>GREASE</b>	POLYREX EM								
<b>C HP FR</b>	60	<b>C HP TO</b>	90						
<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60	<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60		
<b>SER.NO</b>	50C AT 1.0 SF								

**Parts List**

<b>Part number</b>	<b>Description</b>	<b>Quantity</b>
SA319765	SA 36Q736S268G1	1.000 ea
RA307474	RA 36Q736S268G1	1.000 ea
36CB1000A02E	CONDUIT BOX .75 NPT @ 6:00 W/ECOATED	1.000 ea
37GS1005	GASKET - CONDUIT BOX 37 FRAME .125 THK NE	1.000 ea
51XB1016A10	10-16X 5/8HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
36EP1101D82EP5	FRONT TEFC 205 BRG	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP1300B13E	PULLEY 182-4TC ENCL 206 BRG	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 ea
HW4606A03	JM CLIPPER/SEAL (LWE-1156-1875-AL44)	1.000 ea
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 ea
36FH4010EP5	FH - POWDER COAT PRIMER 5 MILS	1.000 ea
10XN1032S08	10-32X1/2 HEX HEAD S STL	3.000 ea
36CB4518E	36 LIPPED CB LID E-COATING	1.000 ea
37GS1003	1/16 NEOPRENE GASKET-BLACK, CONDUIT BOX	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1164	LABEL,WARNING AND DRAIN	1.000 ea
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 ga
LB1000	LABEL, DIRTY DUTY	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
WD1000D21	TRM,T&B #B71M,RING,18-14,.25,NON-INSL	9.000 ea

MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1500Y02	WILKOPON PRIMER YELLOW	0.010 ga
MG1025L01	WILKOFAST FD, 786.04, BLACK	0.010 ga
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
HA3101S28	THRUBOLT- 1/4-20 X 12.50 SS	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP3504	SS DIRTY DUTY PLUS,INV,CURUS EEV,NEMA PR	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

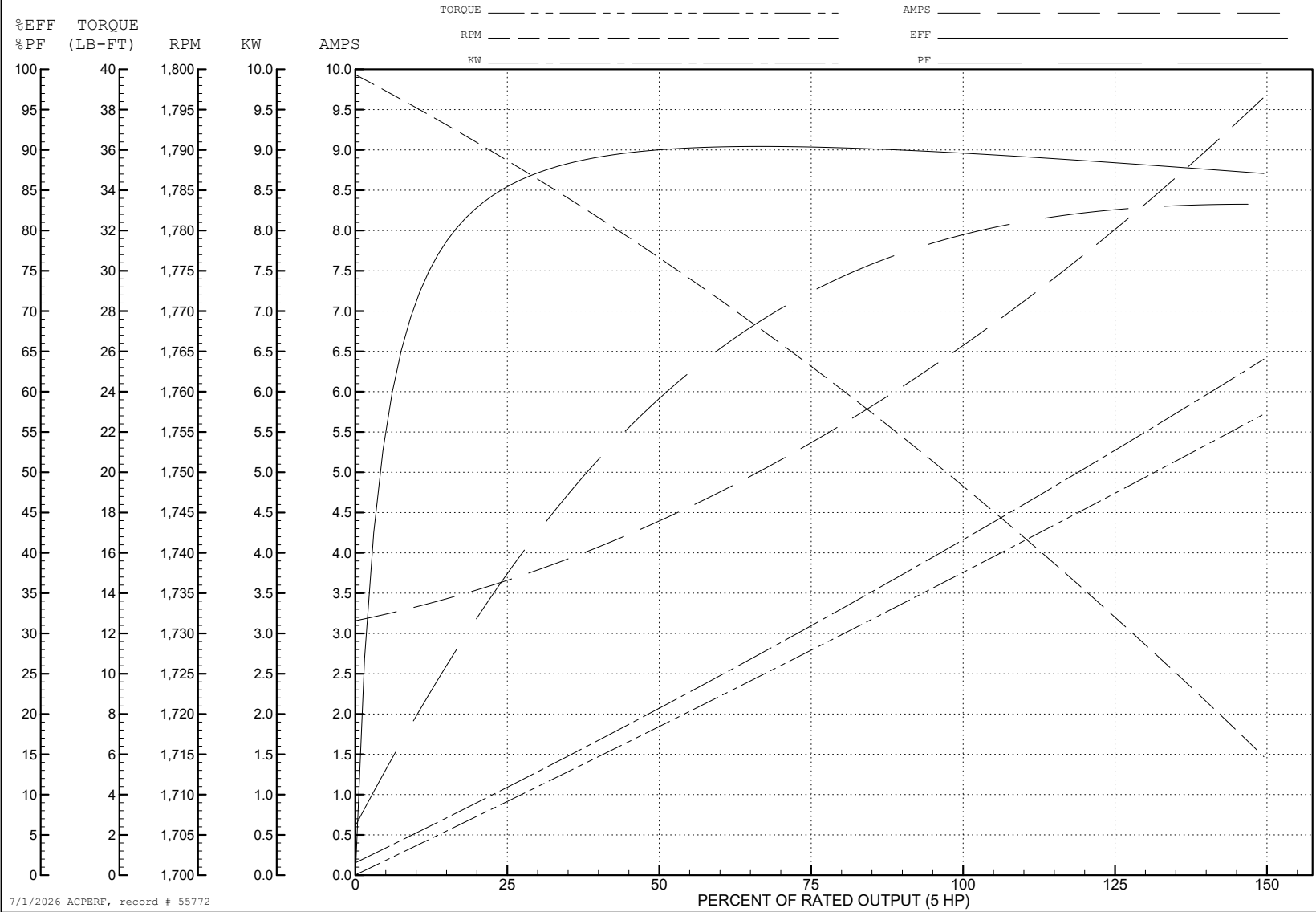
ABB Motors and Mechanical Inc.

WINDING # 36WGS268

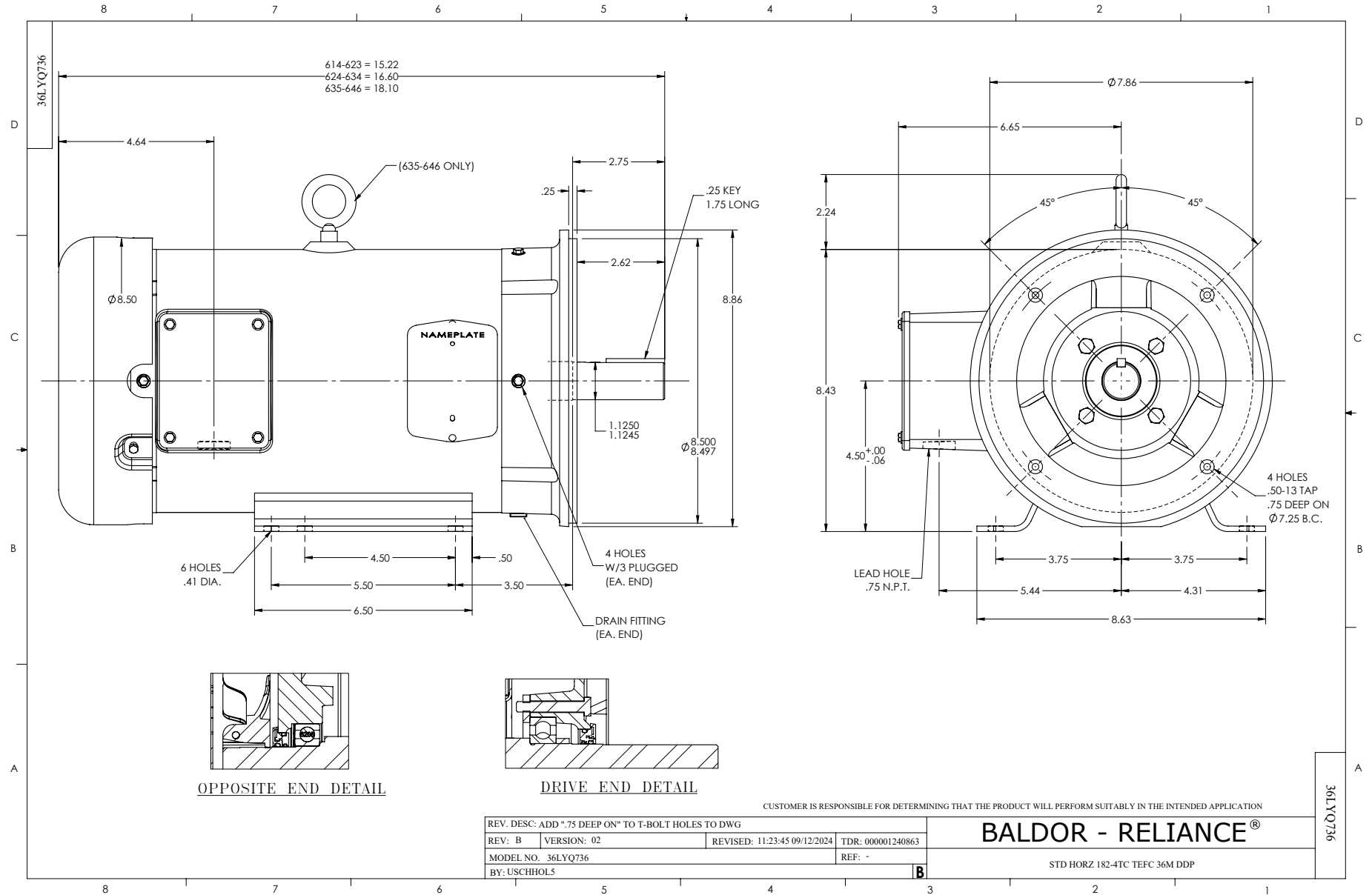
5 HP 3 PH 60 HZ 1750 RPM 460 V 3642M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=52.2 PU=31.5 LR=34.9 LRA=49.1



7/1/2026 ACPERF, record # 55772



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

500000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS