

# ABB BALDOR RELIANCE III

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## Customer information packet

### D1153

.75HP, 1750RPM, DC, 56, 3428D, TEFC, F1

Class - None

Division -

**Specifications**

<b>Armature Voltage</b>	115 V
<b>Base Speed</b>	1750 rpm
<b>Enclosure</b>	TEFC
<b>Frame</b>	56
<b>Frame Material</b>	Steel
<b>Haz Area Class and Group</b>	None
<b>Output Power</b>	0.750 HP
<b>Agency Approvals</b>	CSA UR
<b>Ambient Temperature</b>	40 °C
<b>Armature Current</b>	6.6 a
<b>Armature Inertia</b>	6.552 lb-ft <sup>2</sup>
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Feedback Device</b>	NO FEEDBACK
<b>Field Winding Type</b>	COMPOUND
<b>Heater Indicator</b>	No Heater
<b>Insulation Class</b>	F
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	2 @ 14 AWG 2 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Mounting Arrangement</b>	F1
<b>Overall Length</b>	14.04 IN
<b>Product Family</b>	WP Below Decks Marine Duty
<b>Pulley End Bearing Type</b>	Sealed Bearing
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.00

**Part Detail**

<b>Revision</b>	X
<b>Type</b>	DC
<b>Mech. spec.</b>	34-6121
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	34WG3117
<b>Layout</b>	34LY6121
<b>Eff. date</b>	10-25-2024
<b>CD Diagram</b>	CD0862B01
<b>Poles</b>	00
<b>Leads</b>	
<b>Proprietary</b>	False
<b>Created date</b>	01-01-0001

<b>Shaft Diameter</b>	0.625 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>	Shaft Slinger

**Nameplate**

<b>NP2801L</b>			
<b>CAT.NO.</b>	D1153		
<b>SPEC.</b>	34-6121-3117		
<b>HP</b>	.75	<b>ENCL</b>	TEFC
<b>RPM</b>	1750		
<b>FRAME</b>	56	<b>TYPE</b>	3428D
<b>ARM V</b>	115	<b>ARM A</b>	6.6
<b>FLD V</b>		<b>FLD A</b>	
<b>INSUL</b>	F	<b>AMB.</b>	40
<b>DUTY</b>	CONT	<b>SUPPLY</b>	A
<b>BRG/DE</b>	6203	<b>BRG/ODE</b>	6203
<b>BRUSHES</b>	2/BP5000H03		
	IEEE 45	<b>BLANK</b>	
<b>SER.</b>			
<b>BLANK</b>	--		
<b>APRV-CSA</b>	<b>APRV-UL</b>		

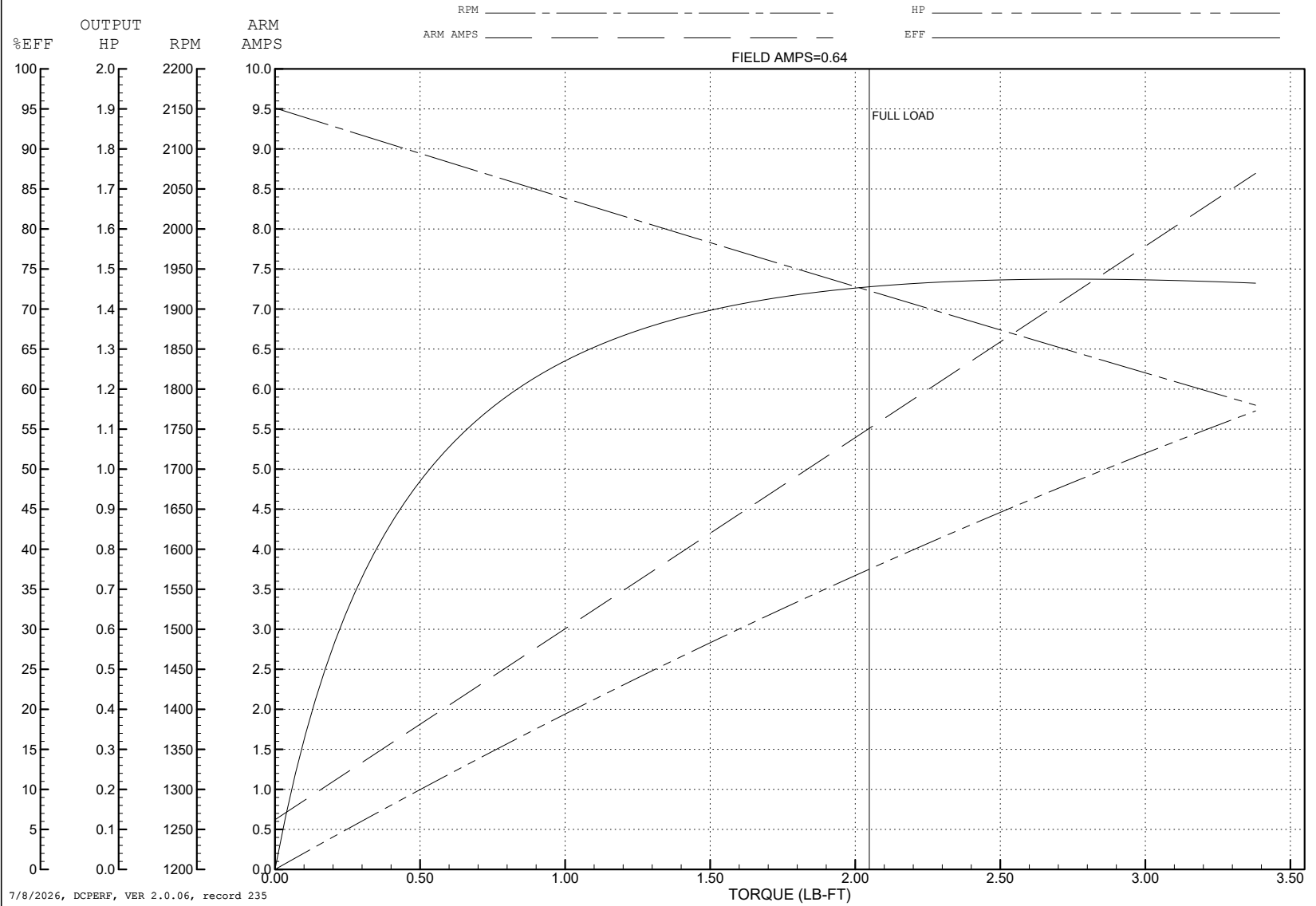
ABB Motors and Mechanical Inc.

WINDING # 34WG3117

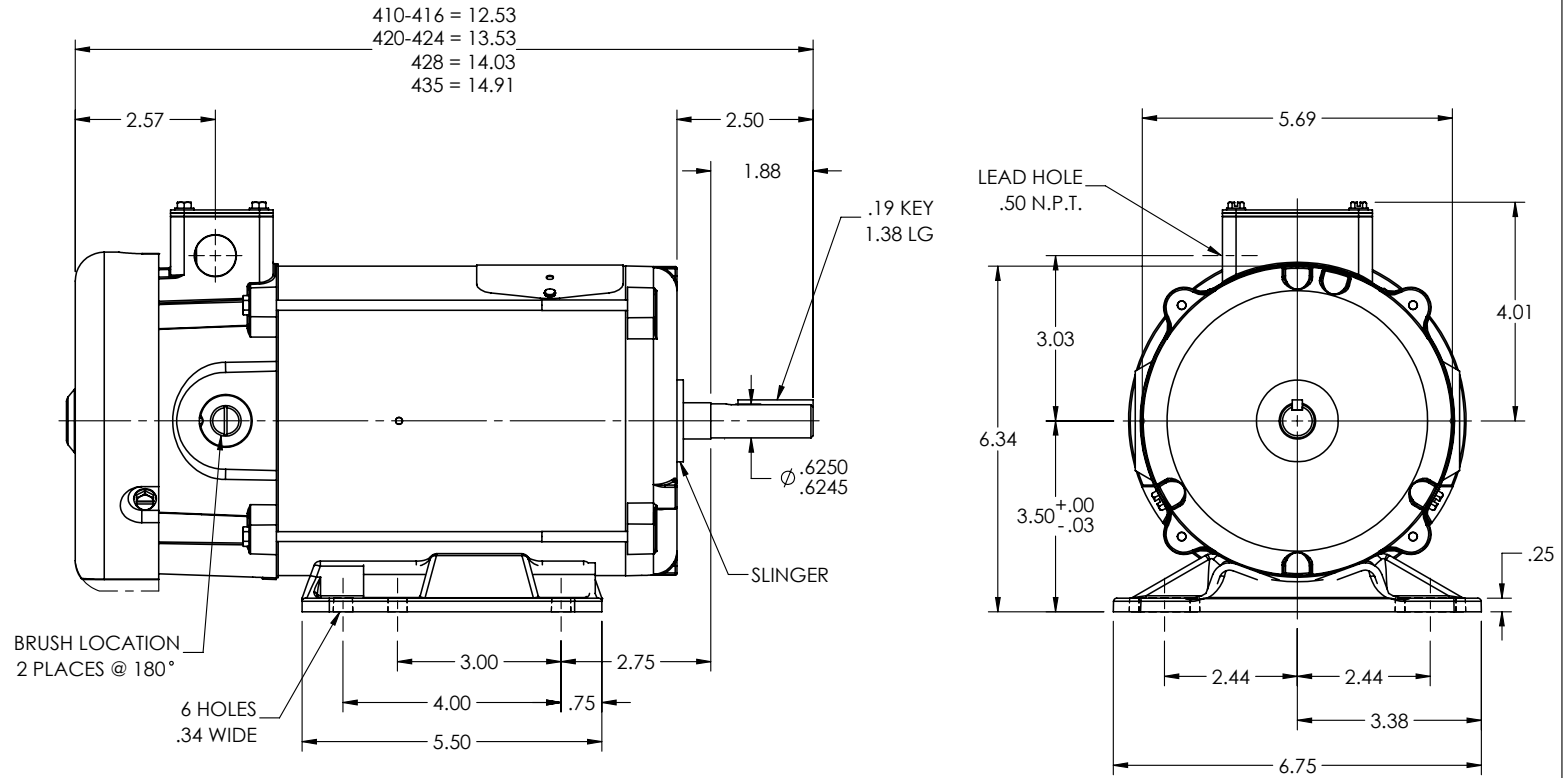
0.75 HP DC 1750 RPM 115 V 3428D

Typical performance - not guaranteed values.

ENCL: TEFC DUTY: CONT CL: F



34LY6121



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV D

REV: E    VERSION: 01    REVISED: 08:22:18 12/22/2022    TDR: 000001201165

34LY6121

MODEL NO. 34LY6121  
BY: ENFRAJ0

REF: -

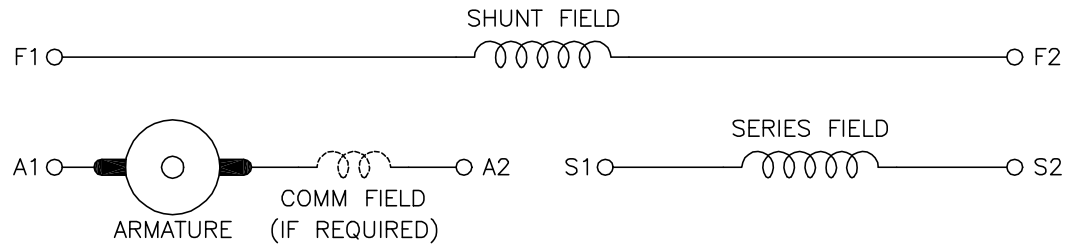
**BALDOR - RELIANCE®**

STD. HORZ 34DC NEMA 56 TEFC S/P 14-2 WEATHERPROOF

34LY6121

# COMPOUND WOUND

CD0862B01



DIRECTION OF ROTATION			
CWDE		CCWDE	
POS TERM (+)	NEG TERM (-)	POS TERM (+)	NEG TERM (-)
A1	S2	A2	S2
F1	F2	F1	F2
CONNECT A2 & S1		CONNECT A1 & S1	

**NOTES:**

1. LIMIT STARTING INRUSH CURRENT TO NOT MORE THAN 3 TIMES RATED AMPERES BY ENERGIZING THE FULL SHUNT FIELD BEFORE BRINGING THE ARMATURE VOLTAGE UP SLOWLY OR IN STEPS.
2. OPTIONAL FIELD REOSTAT MAY BE CONNECTED IN SERIES WITH THE SHUNT FIELD.
3. OPTIONAL THERMOSTAT LEADS ARE MARKED J,J.

REV. DESC: NEW, REPLACE CD0862			
REV. LTR: -	BY: JLP	REVISED: 16:10:51 11/03/2004	TDR: 347796
CD0862B01		FILE: AAA00121482	REF: CD0862B01
		MTL: -	

**BALDOR ELECTRIC Co.**

DC CONNECTION DIAGRAM, COMPOUND FIELD, 6 LEAD

CD0862B01