

ABB BALDOR RELIANCE III

Customer information packet

D2302

.5HP, 1750RPM, DC, 56, 3420D, TEFC, F1, N

Class - None

Division -

Specifications

Armature Voltage	230 V
Base Speed	1750 rpm
Enclosure	TEFC
Field Voltage	230 V
Frame	56
Frame Material	Steel
Haz Area Class and Group	None
Output Power	0.500 HP
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Armature Current	2.1 a
Armature Inertia	4.680 lb-ft ²
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	COMPOUND
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	No Lifting Lugs
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	2 @ 14 AWG
	2 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	13.54 IN
Product Family	WP Below Decks Marine Duty
Pulley End Bearing Type	Sealed Bearing
RoHS Status	ROHS COMPLIANT

Part Detail

Revision	T
Type	DC
Mech. spec.	34-6121
Base	
Status	PRD/A
Elec. spec.	34WGZ512
Layout	34LY6121
Eff. date	10-25-2024
CD Diagram	CD0862B01
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Nameplate

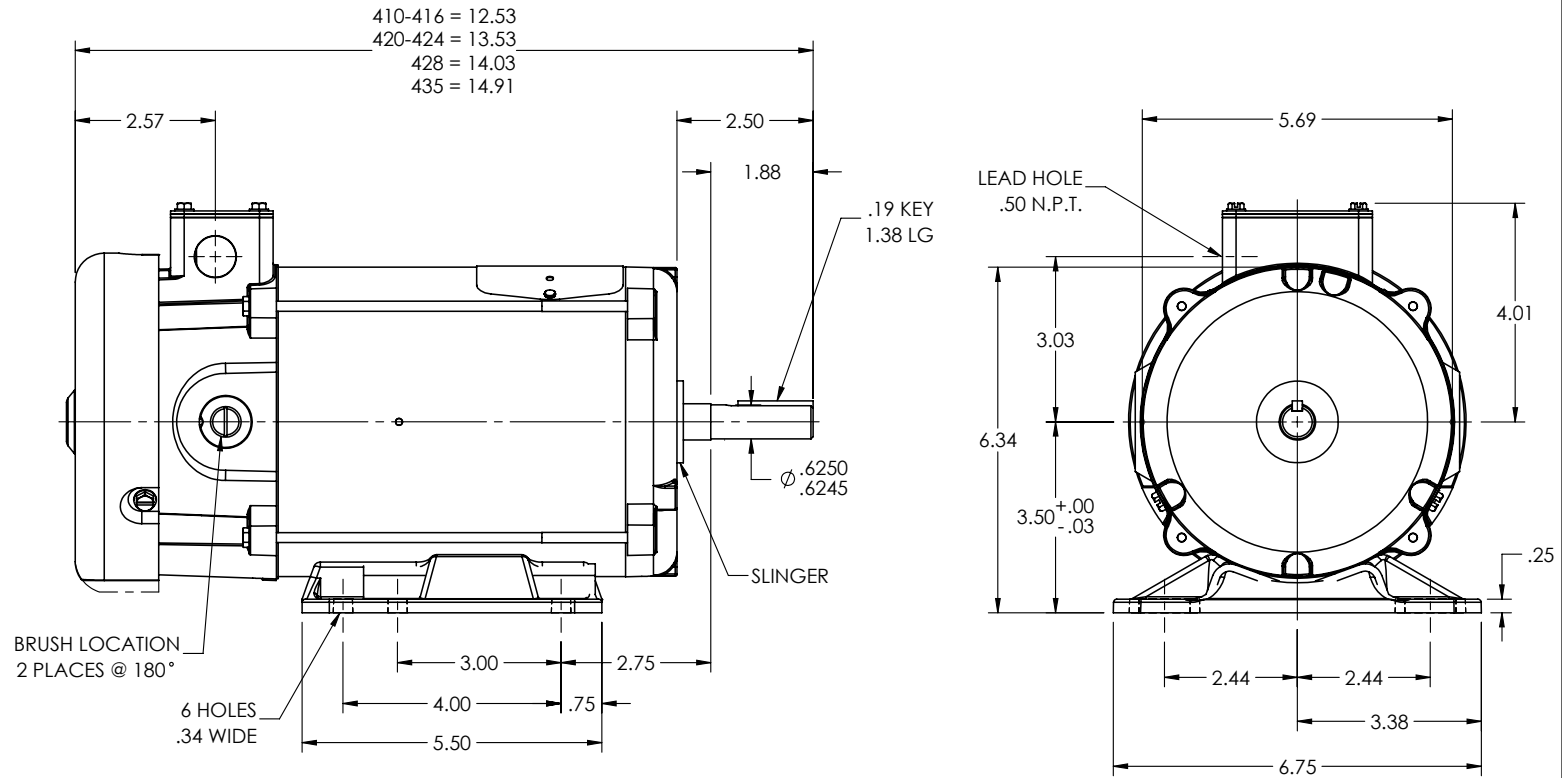
NP2801L			
CAT.NO.	D2302		
SPEC.	34-6121Z512		
HP	.5	ENCL	TEFC
RPM	1750		
FRAME	56	TYPE	3420D
ARM V	230	ARM A	2.1
FLD V	230	FLD A	.24
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	A
BRG/DE	6203	BRG/ODE	6203
BRUSHES	2/BP5000H03		
		BLANK	
SER.			
BLANK	IEEE 45		
APRV-CSA	APRV-UL		

Parts List

Part number	Description	Quantity
SA052336	SA 34-6121Z512	1.000 ea
AA005904	AA 34-6121Z512	1.000 ea
BP5000H03SP	BRUSH ASSY, GRADE H619	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
34EP3103A06	FR ENDPLATE MACH 34DC F-1 MTG W/.50 N.P.	1.000 ea
WD4100A109	PLUG STIMPSON D3550	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3110A06	PU ENDPLATE, MACH	1.000 ea
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 ea
BP5201A10SP	BRUSH HOLDER ASSY W/BP4509A01 & B	1.000 ea
80XN1032J03	10-32 X 3/16 SET SCREW, HEX SOC, CUP PT	2.000 ea
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
34FH4002A03SP	IEC FH NO GREASER W/.88 DIA SHAFT HOLE,	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
WD4100A81	CAPLUG BPF-7/8, FOR .86-.88 HOLE	1.000 ea
34CB4504SP	CONDUIT BOX LID, STAMPED	1.000 ea
34GS1014	GASKET, CONDUIT BOX LID BLACK NEOPRENE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
MG2000A17	RUST INHIBITOR PART # SRPO #20	0.001 ga
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
WD4102A07	STRAIN RELIEF - MICRO PLASTIC #23MP07W20	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.014 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0862	DC -- COMPOUND WOUND MOTOR CONNECTION LA	1.000 ea

NP2801L	SS DC UL CSA REV MTG	1.000 ea
27PA1001	PKG GRP, PRINT PK1027A06	1.000 ea

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

BALDOR - RELIANCE®

34LY6121

MODEL NO. 34LY6121

BY: ENFRAJ0

REF: -

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

34LY6121

