

ABB BALDOR RELIANCE III

Customer information packet D2304

1HP, 1750RPM, DC, 56, 3535D, TEFC, F1

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	1.000 HP
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Armature Current	4.0 a
Armature Inertia	13.657 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
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	15.44 IN
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Service Factor	1.00
Shaft Diameter	0.625 IN

Part Detail

Revision	T
Type	DC
Mech. spec.	35P328
Base	
Status	PRD/A
Elec. spec.	35WGZ395
Layout	35LYP328
Eff. date	10-28-2024
CD Diagram	CD0862B01
Poles	00
Leads	
Proprietary	False
Created date	01-01-0001

Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger

Nameplate

NP0111L			
CAT.NO.	D2304		
SPEC.	35P328Z395		
HP	1	ENCL	TEFC
RPM	1750		
FRAME	56	TYPE	3535D
ARM V	230	ARM A	4
FLD V	230	FLD A	.25
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	A
BRG/DE	6205	BRG/ODE	6203
BRUSHES	2/BP5000T15		
	--	BLANK	
SER.			
BLANK	IEEE 45		
APRV-CSA		APRV-UL	

Parts List

Part number	Description	Quantity
SA046567	SA 35P328Z395	1.000 ea
AA005344	AA 35P328Z395	1.000 ea
MH2001A01B19	GLASTIC SHEET .093 X 1.188 X	0.126 lb
BP5000T15	CARBON BRUSH-35P,180VOLTS	2.000 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
35EP1119A06	FR ENDPLATE, MACH	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP1102A23	PU ENDPLATE, MACH	1.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
80XN1032J03	10-32 X 3/16 SET SCREW, HEX SOC, CUP PT	2.000 ea
BP5201A14SP	BRUSH HOLDER ASSY	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.001 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.017 ga
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A04	IEC FH NO GRSR W/1.09 SHAFT HOLE, W/	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
WD4100A109	PLUG STIMPSON D3550	1.000 ea
35CB4504	COND. BOX LID 35 DC & PM FRAMES, STAMPED	1.000 ea
35GS1008	GASKET, CONDUIT BOX LID -- 1/16 LEXIDE #	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD4102A07	STRAIN RELIEF - MICRO PLASTIC #23MP07W20	1.000 ea
HA3100A34	THRUBOLT 10-32 X 11.250	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
NP0111L	NP STD LASER ENGRAVED DC MOTORS, UL CSA	1.000 ea
35PA1007	PKG GRP, PRINT PK1034A07	1.000 ea

ABB Motors and Mechanical Inc.

WINDING # 35WGZ395

Typical performance - not guaranteed values.

1 HP DC 1750 RPM 230 V ARM 230 V FLD 3535D

ENCL: TEFC DUTY: CONT CL: F





