ABB BALDOR RELIANCE

Customer information packet

CWDL3507

.75HP, 1750RPM, 1PH, 60HZ, 56C, 3522L, TEFC, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
10/5/2026 10:28:43 PM

Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.000 A @ 230.0 V
	10.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	70.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.0 a
Insulation Class	F

Part Detail

Revision	E
Type	AC
Mech. spec.	35S576
Base	
Status	PRD/A
Elec. spec.	35WGG393
Layout	35LYS576
Eff. date	09-11-2026
CD Diagram	CD0001
Poles	04
Leads	6#18
Proprietary	False
Created date	08-01-2022

Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.22 IN
Power Factor	69
Product Family	Wash Down
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1750 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

	NP1496L							
CAT.NO.	CWDL3507							
SPEC.	35S576G393							
HP	.75							
VOLTS	115/230							
AMP	10/5							
RPM	1750							
FRAME	56C	**HZ**	60			**PH**	1	
SER.F.	1.25	**CODE**	L	**DES**	N	**CLASS**	F	
NEMA-NOM-EFF	70	**PF**	69					
RATING	40C AMB-CONT							
CC								
DE	6205	**ODE**	6203					
ENCL	TEFC	**SN**						
	SFA 12.6/6.3							

Parts List

Part number	Description	Quantity
SA407258	SA 35S576G393	1.000 ea
RA398757	RA 35S576G393	1.000 ea
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3008A01G	SPL CONDUIT BOX, MACHINED GRAY	1.000 ea
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 ea
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122B00W	MASTER ODE,203 BRG,.683SH,.125NPT DRNS,F	1.000 ea
HW4072A01	BLACK DRAIN PLUG FOR .125 NPT	3.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 ea
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	4.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307E00W	MASTER DE,205 BRG,1.623SH,.125NPT DRNS,C	1.000 ea
HW4072A01	BLACK DRAIN PLUG FOR .125 NPT	3.000 ea
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 ea
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A32	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 ea
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 ea
35CB4522	35 LIPPED CB LID PRIMED	1.000 ea
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 ea
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 ea
HW1003S08	WASHER, #8 EX TH LK, SS	4.000 ea
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 ea
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 ea
HW2502D13	SS 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

LB1164	LABEL,WARNING AND DRAIN	1.000 ea
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
MG1025W01	WILKOFAST, 781.01, SIGNAL WHITE #9003	0.017 ga
MG1025Z02	ACTIVATOR WILKOFAST 060.02HF	0.010 ga
HA3100S11	THRUBOLT - 10-32 X 8.500 W	4.000 ea
SP5051A24	MODEL 35 TORQ STATIONARY SWITCH FOR "L"	1.000 ea
35GS1016A02	GASKET-1/16 THK WHITE RUBBER USED W/HOSE	1.000 ea
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 ea
NP1496L	SS WD UL CC	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000002	ZRTG PE ASSEMBLY	1.000 ea

AC Induction Motor Performance Data
Record # 89059
Typical performance - not guaranteed values

Winding: 35WGG393-R001	**Type:** 3522L	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	2.24 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			8.7/4.35	**Breakdown Torque**	4.86 LB-FT
R.P.M.			1720	**Pull-up Torque**	4 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	8.91 LB-FT
NEMA Design Code	N	**KVA Code**	K	**Starting Current**	59.09 A
Service Factor (S.F.)			1.25	**No-load Current**	4.92 A
NEMA Nom. Eff.	70	**Power Factor**	79	**Line-line Res. @ 25ºC**	1.14 Ω A Ph 1.85 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	91°C
S.F. Amps			10.9/5.45	**Temp. Rise @ S.F. Load**	119°C
				Locked-rotor Power Factor	97
				Rotor inertia	0.159 lb-ft²

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	41	58	70	77	82	85	81
Efficiency	57.2	69.2	71.9	72.1	70	66	70.9
Speed	1784	1770	1754	1737	1716	1687	1716
Line amperes	5.24	6.06	7.22	8.64	10.38	12.49	10.3

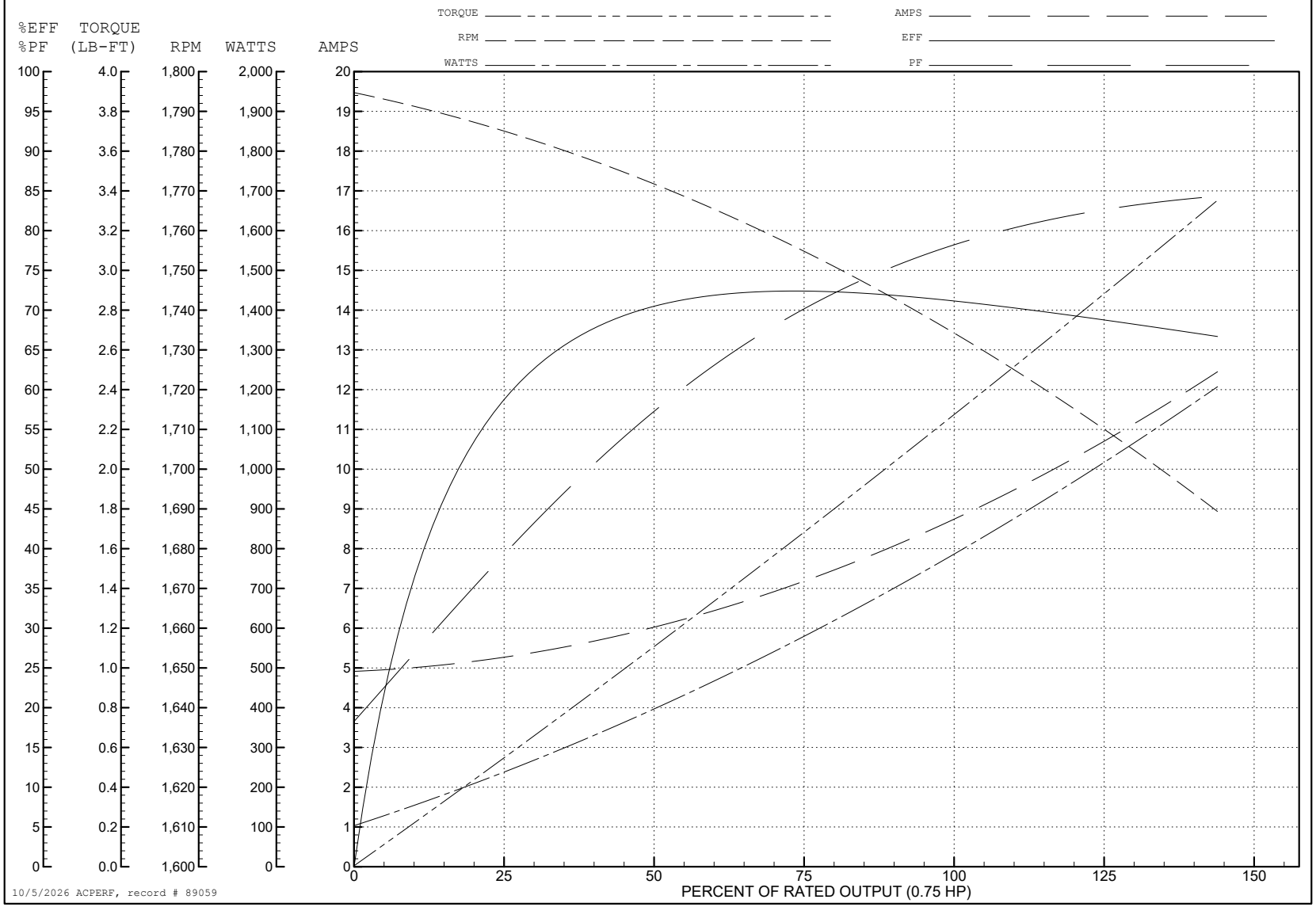
ABB Motors and Mechanical Inc.

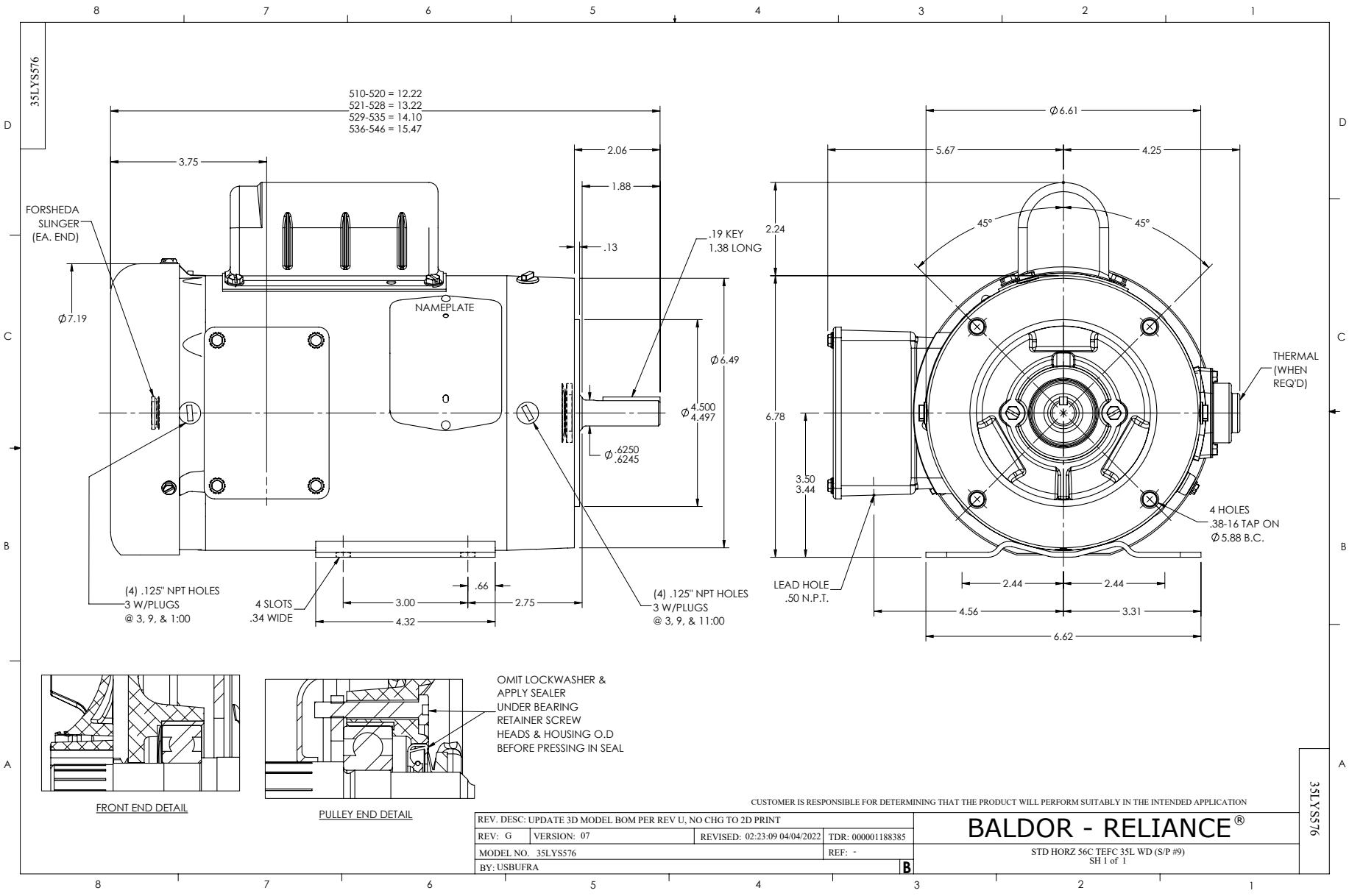
WINDING # 35WGG393

0.75 HP 1 PH 60 HZ 1720 RPM 115 V 3522L

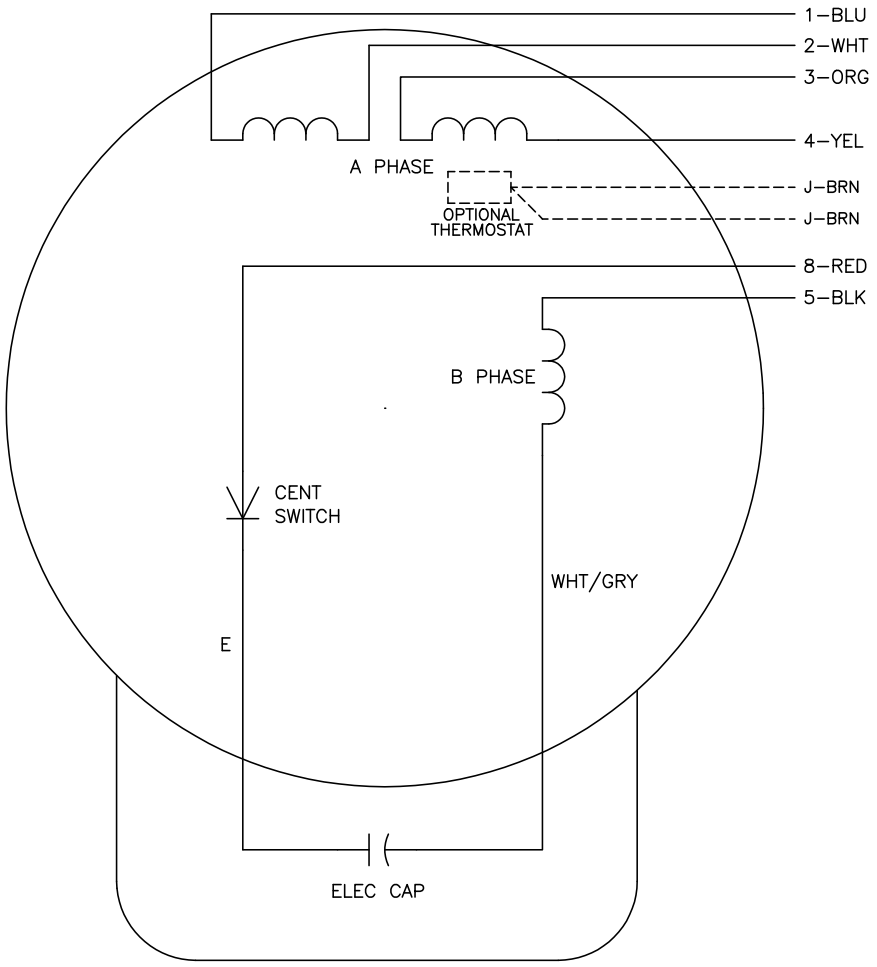
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=4.86 PU=4 LR=8.91 LRA=59.09




35LYS576
510-520 = 12.22
521-528 = 13.22
529-535 = 14.10
536-546 = 15.47
3.75
2.06
1.88
.13
.19 KEY
1.38 LONG
FORSHEDA
SLINGER
(EA. END)
Ø7.19
NAMEPLATE
Ø6.49
Ø4.500
4.497
Ø.6250
.6245
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 1:00
4 SLOTS
.34 WIDE
.66
3.00
2.75
4.32
(4) .125" NPT HOLES
3 W/PLUGS
@ 3, 9, & 11:00
Ø6.61
5.67
4.25
45°
45°
2.24
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.44
2.44
4.56
3.31
6.62
OMIT LOCKWASHER &
APPLY SEALER
UNDER BEARING
RETAINER SCREW
HEADS & HOUSING O.D
BEFORE PRESSING IN SEAL
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV U, NO CHG TO 2D PRINT
REV: G
VERSION: 07
REVISED: 02:23:09 04/04/2022
TDR: 000001188385
MODEL NO. 35LYS576
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56C TEFC 35L WD (S/P #9)
SH 1 of 1
35LYS576

CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	–
LOW OPP	1,3,5	2,4,8	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS