ABB BALDOR RELIANCE

Customer information packet

CEFWWDM3546

1HP, 1770RPM, 3PH, 60HZ, 56C, 3522M, TEFC, F1, N
Class - None
Division - Not Applicable

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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	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	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	3.400 A @ 230.0 V
	3.300 A @ 208.0 V
	3.200 A @ 208.0 V
	1.700 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	F
Type	AC
Mech. spec.	35E1679
Base	
Status	PRD/A
Elec. spec.	35WGZ805
Layout	35LYE1679
Eff. date	05-13-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-10-2022

Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.35 IN
Power Factor	69
Product Family	Super White Washdown
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1770 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

NP1669L									
CAT.NO.	CEFWWDM3546								
SPEC.	35E1679Z805G1								
HP	1								
VOLTS	208-230/460								
AMP	3.3-3.4/1.7								
RPM	1770								
FRAME	56C	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	N	**DES**	B	**CLASS**	F		
NEMA-NOM-EFF	85.5	**PF**	66						
RATING	40C AMB-CONT								
CC	010A								
DE	6205	**ODE**	6205						
ENCL	TEFC	**SN**							
BLANK	SFA 3.6/1.8								

AC Induction Motor Performance Data
Record # 105401
Typical performance - not guaranteed values

Winding: 35WGZ805-R001	**Type:** 3522M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	2.97 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			3.3-3.4/1.7	**Breakdown Torque**	14.7 LB-FT
R.P.M.			1770	**Pull-up Torque**	7.5 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	9.4 LB-FT
NEMA Design Code	B	**KVA Code**	N	**Starting Current**	15.6 A
Service Factor (S.F.)			1.15	**No-load Current**	1.2 A
NEMA Nom. Eff.	85.5	**Power Factor**	66	**Line-line Res. @ 25ºC**	14.6 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	37°C
S.F. Amps			3.6/1.8	**Temp. Rise @ S.F. Load**	43°C
				Locked-rotor Power Factor	58.6
				Rotor inertia	0.159 lb-ft²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	27	44	57	66	73	78	70
Efficiency	71.1	81.8	85.2	86.5	86.6	86.3	86.6
Speed	1796	1790	1784	1778	1772	1765	1774
Line amperes	1.23	1.31	1.46	1.64	1.86	2.09	1.77

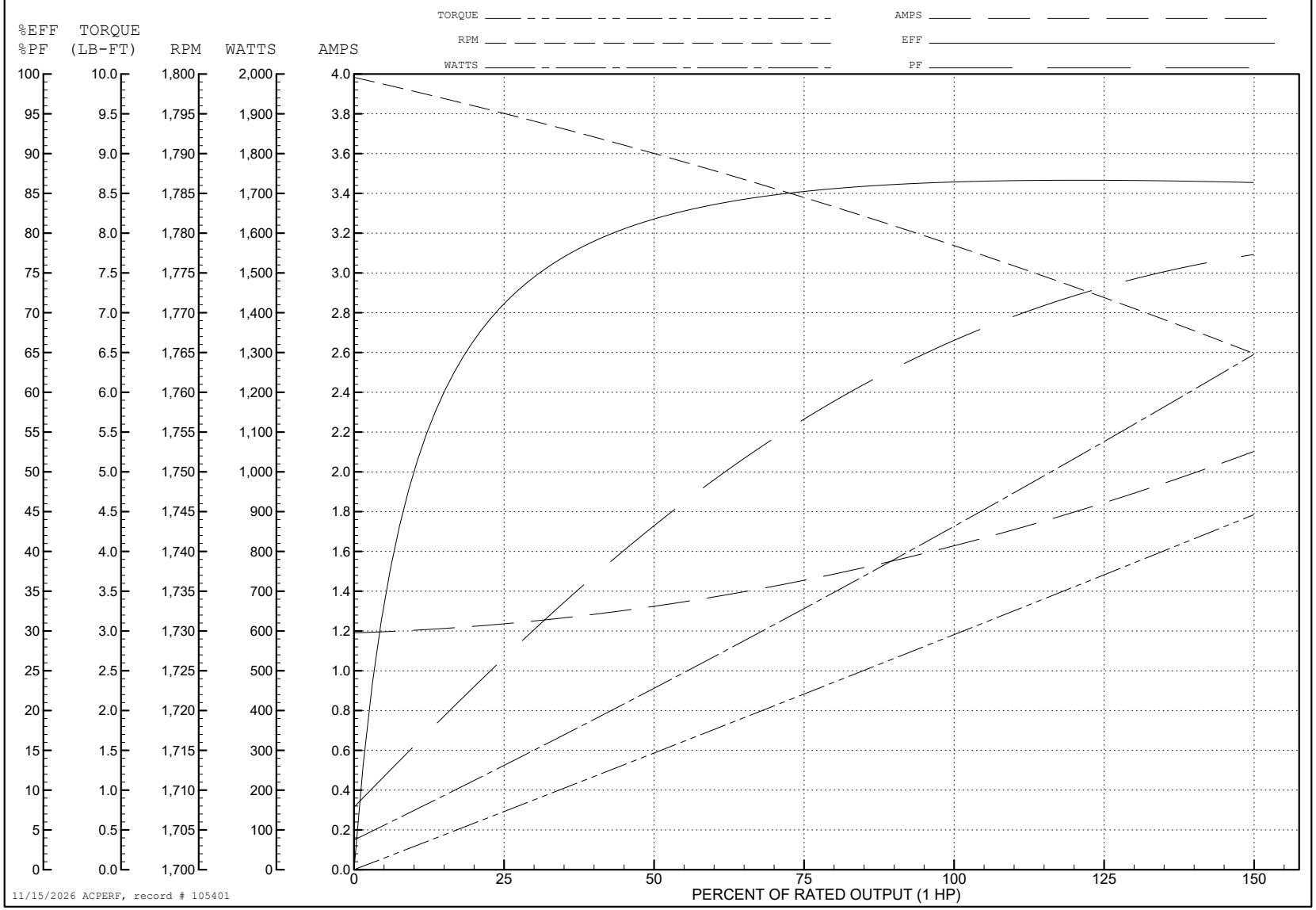
ABB Motors and Mechanical Inc.

WINDING # 35WGZ805

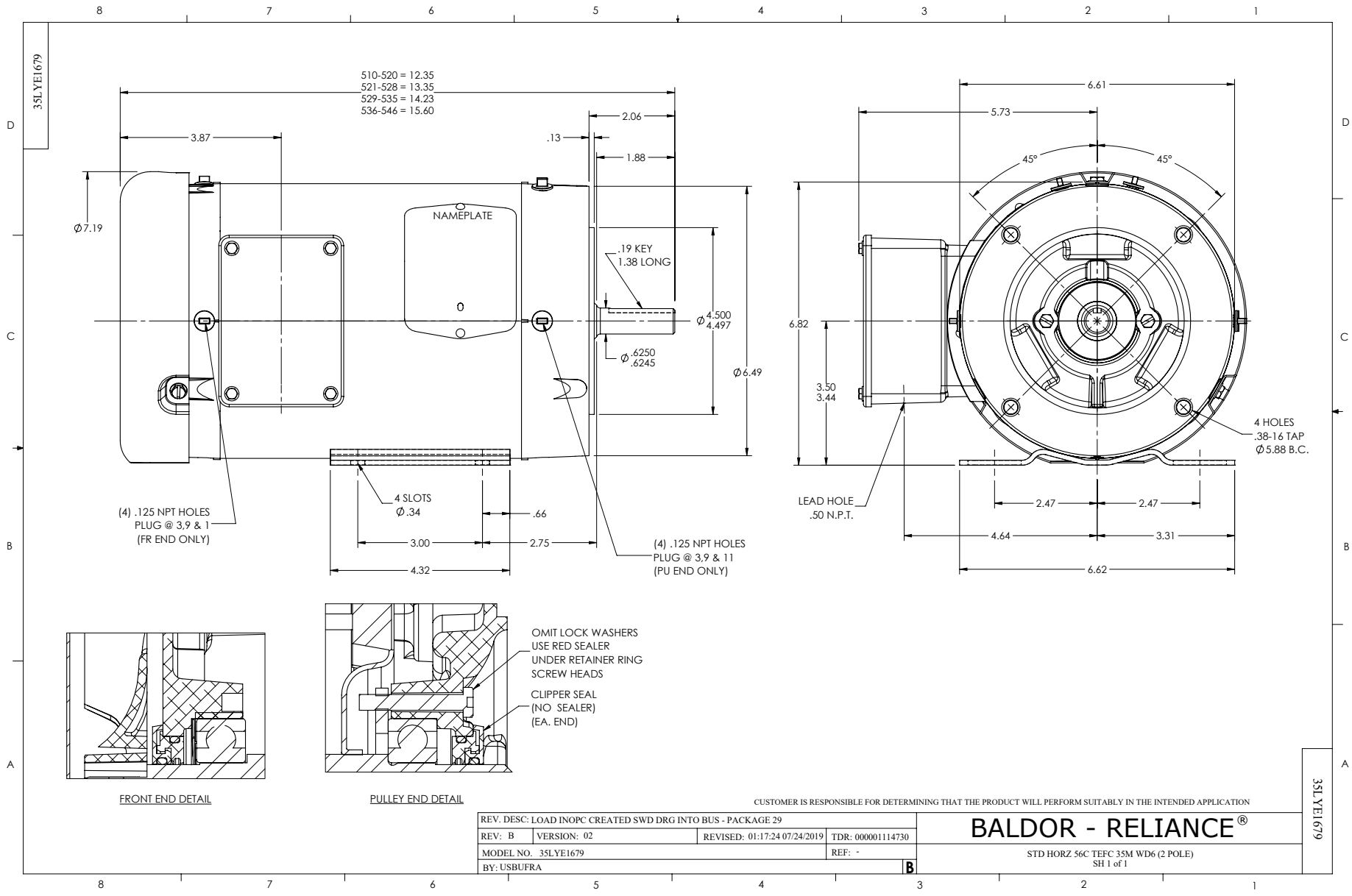
1 HP 3 PH 60 HZ 1770 RPM 460 V 3522M

Typical performance - not guaranteed values.

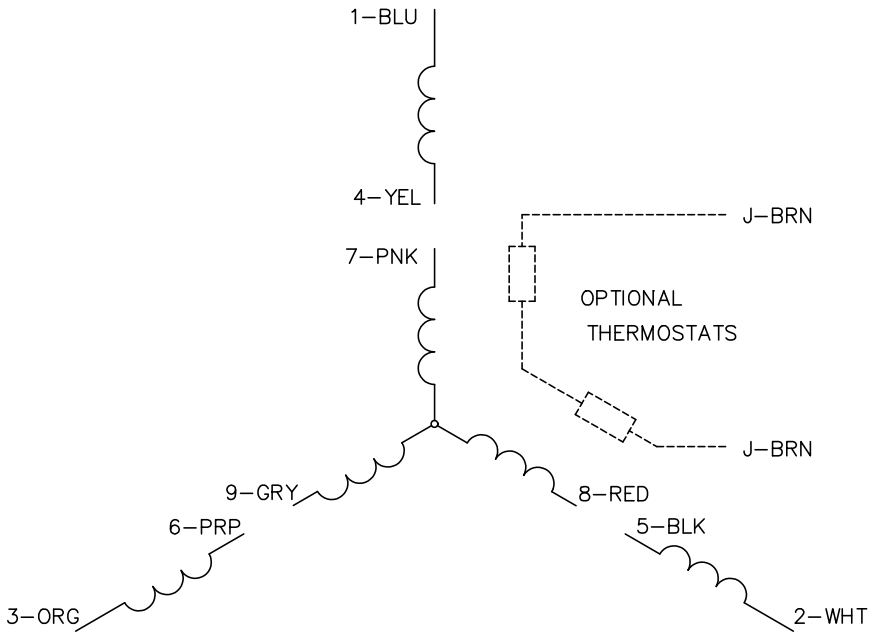
TORQUES(LB-FT): PO=14.7 PU=7.5 LR=9.4 LRA=15.6

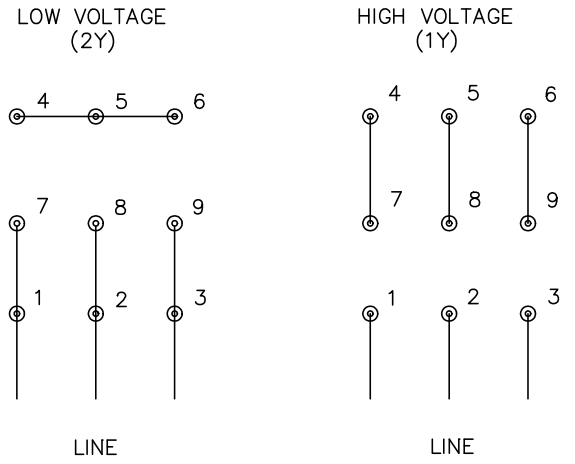


11/15/2026 ACPERF, record # 105401


35LYE1679
510-520 = 12.35
521-528 = 13.35
529-535 = 14.23
536-546 = 15.60
3.87
2.06
.13
1.88
Ø7.19
NAMEPLATE
.19 KEY
1.38 LONG
Ø 4.500
4.497
Ø .6250
.6245
Ø6.49
4 SLOTS
Ø .34
.66
3.00
2.75
4.32
(4) .125 NPT HOLES
PLUG @ 3,9 & 1
(FR END ONLY)
(4) .125 NPT HOLES
PLUG @ 3,9 & 11
(PU END ONLY)
6.61
5.73
45°
45°
6.82
3.50
3.44
4 HOLES
.38-16 TAP
Ø5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.47
2.47
4.64
3.31
6.62
OMIT LOCK WASHERS
USE RED SEALER
UNDER RETAINER RING
SCREW HEADS
CLIPPER SEAL
(NO SEALER)
(EA. END)
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 29
REV: B
VERSION: 02
REVISED: 01:17:24 07/24/2019
TDR: 000001114730
MODEL NO. 35LYE1679
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56C TEFC 35M WD6 (2 POLE)
SH 1 of 1
35LYE1679

CD0005





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			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS