

ABB BALDOR RELIANCE III

Customer information packet

CFSWDM3554-5E

1.5HP, 1770RPM, 3PH, 60HZ, 56C, 3526M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56C
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CSA EEV WEEE NEMA_PREMIUM NEMA PREMIUM CURUSEEV
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	1.750 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a

Part Detail

Revision	B
Type	AC
Mech. spec.	35E4741
Base	
Status	PRD/A
Elec. spec.	35WGZ955
Layout	35LYE4741
Eff. date	08-28-2026
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	False
Created date	03-11-2022

Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Finish	UNPAINTED
Motor Lead Quantity/Wire Size	3 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.96 IN
Power Factor	73
Product Family	WD All SS Encapsulated
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	No 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

NP4427AAA02												
CAT #	CFSWDM3554-5E					WGT	41	LBS				
SPEC	35E4741Z955G1					ENCL	TEFC					
SER #						CC	010A	IP	69			
HP	1.5	MAG CUR				1.1						
VOLTS	575						NEMA NOM. EFF					86.5
AMPS	1.75						PF	73				
RATING	40C AMB-CONT											
RPM	1770						MAX RPM	2700				
FRAME	56C	HZ	60				CODE	L	CLASS	H		
SER.F.	1.15	SF AMP	1.9					PH	3	DES	B	
DE	6205	ODE		6205								
LUBRICATION	POLYREX EM											
ID LOGO	INVERTER TYPE			VPWM		CHP	60	TO	90		1.5:1	
ID LOGO	WK2	0.189	CT	15	TO	60	4:1					
ID LOGO	SL HZ	1	VT	3	TO	60	20:1					

AC Induction Motor Performance Data

Record # 91710

Typical performance - not guaranteed values

Winding: 35WGZ955-R001			Type: 3524M		Enclosure: TEFC		
Nameplate Data			575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		1.5	Full Load Torque		4.47 LB-FT		
Volts		575	Start Configuration		direct on line		
Full Load Amps		1.7	Breakdown Torque		18.3 LB-FT		
R.P.M.		1770	Pull-up Torque		9.2 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		12.1 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		15.2 A
Service Factor (S.F.)		1.15	No-load Current		1.11 A		
NEMA Nom. Eff.		86.5	Power Factor	76	Line-line Res. @ 25°C		18.8 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		47°C
S.F. Amps		1.85	Temp. Rise @ S.F. Load		55°C		
			Locked-rotor Power Factor		57.6		
			Rotor inertia		0.188 lb-ft²		

Load Characteristics 575 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	65	74	79	83	80
Efficiency	76.4	84.4	86.6	86.8	86.2	84.9	85.5
Speed	1792	1785	1777	1768	1760	1750	1759
Line amperes	1.15	1.29	1.51	1.76	2.06	2.41	1.9

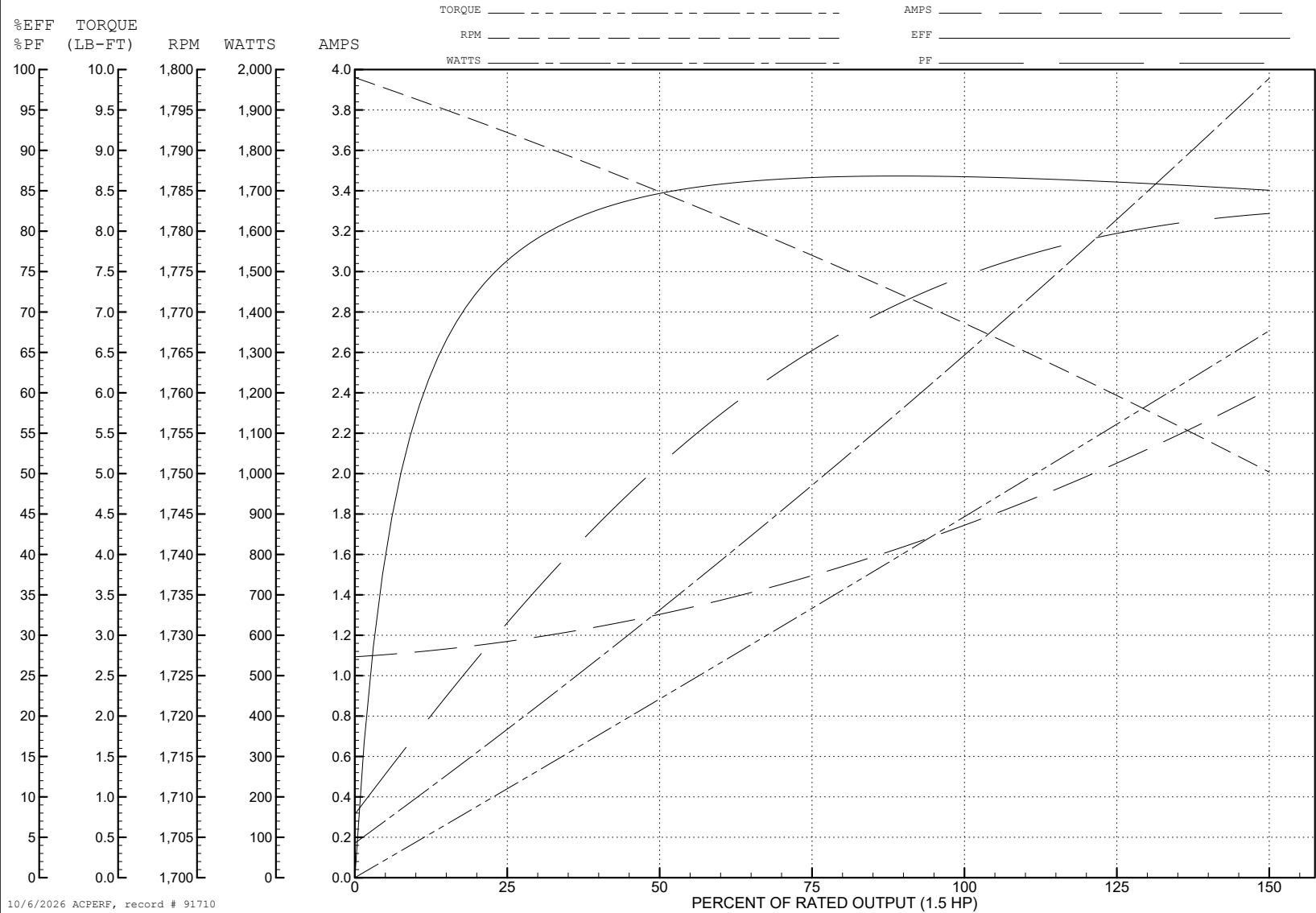
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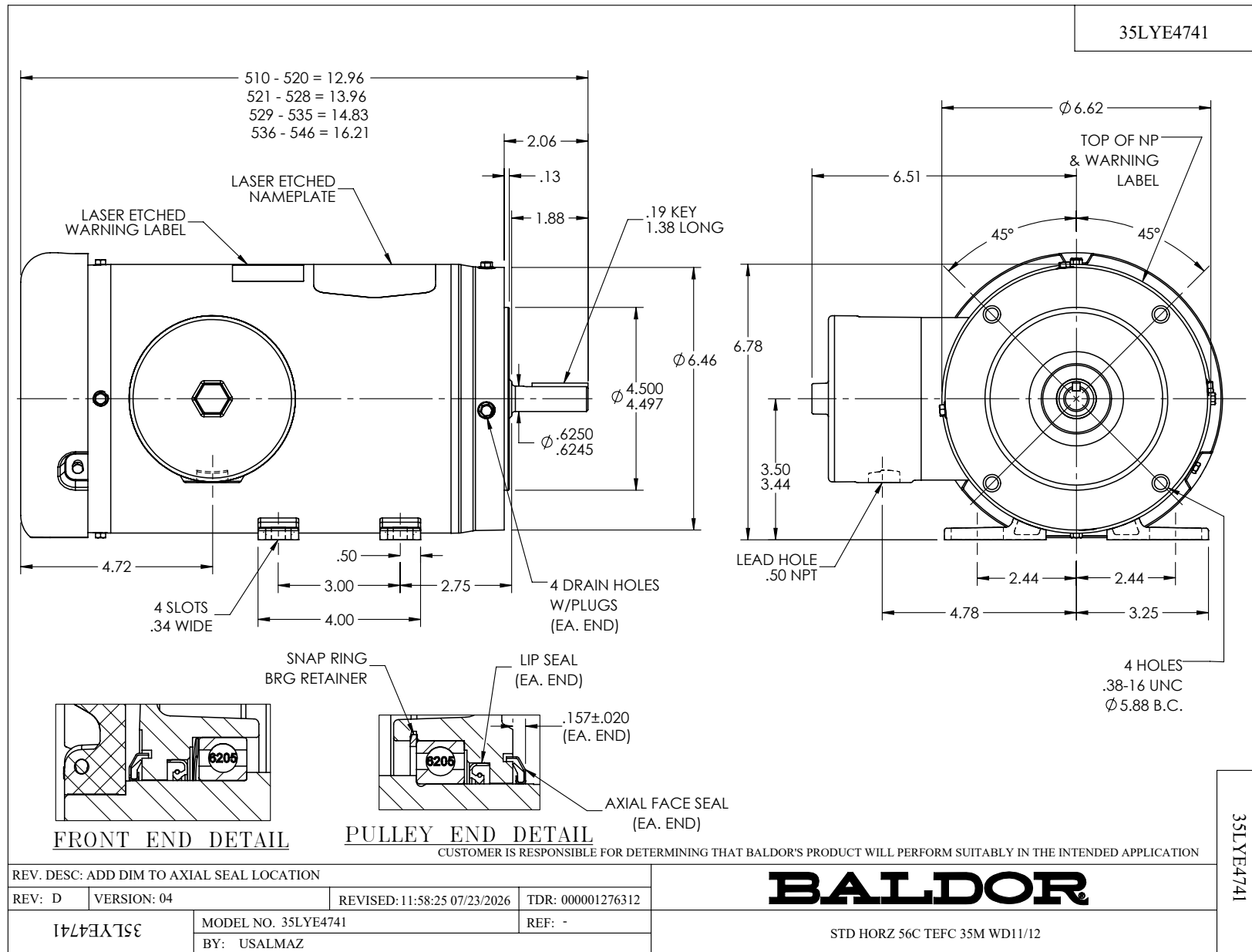
WINDING # 35WGZ955

Typical performance - not guaranteed values.

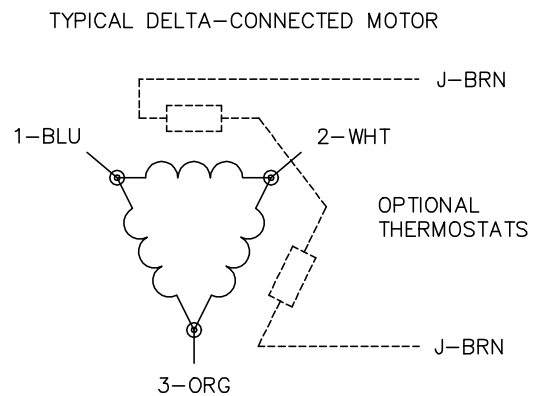
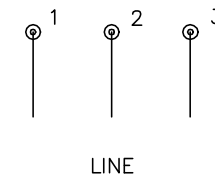
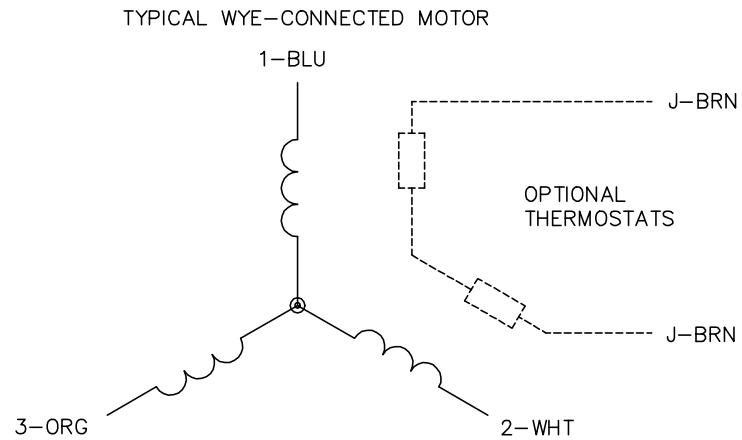
1.5 HP 3 PH 60 HZ 1770 RPM 575 V 3524M

TORQUES (LB-FT): PO=18.3 PU=9.2 LR=12.1 LRA=15.2





CD0006


NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10:24:49 02/19/2019

BY: ENBRIRO

MTL: -


BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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