

**BALDOR® • RELIANCE** 

**Product Information Packet**

**CFSWDM3554-5E**

**1.5HP, 1760RPM, 3PH, 60HZ, 56C, 3528M, TEFC, F1**

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGL772	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	35E4741	Layout:	35LYE4741	Poles:	04	Created Date:	07-25-2017
Base:	RG	Eff. Date:	08-26-2019	Leads:	3#18		

Specs			
Catalog Number:	CFSWDM3554-5E	KVA Code:	L
Enclosure:	TEFC	Lifting Lugs:	No Lifting Lugs
Frame:	56C	Locked Bearing Indicator:	Locked Bearing
Frame Material:	Stainless Steel	Motor Finish:	UNPAINTED
Output @ Frequency:	1.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3528M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	75
	CSA	Product Family:	WD All SS Encapsulated
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	1.700 A @ 575.0 V	Shaft Extension Location:	Pulley End
Design Code:	B	Shaft Ground Indicator:	No Shaft Grounding

<b>Drip Cover:</b>	No Drip Cover	<b>Shaft Rotation:</b>	Reversible
<b>Duty Rating:</b>	CONT	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Speed Code:</b>	Single Speed
<b>Feedback Device:</b>	NO FEEDBACK	<b>Motor Standards:</b>	NEMA
<b>Front Face Code:</b>	Standard	<b>Starting Method:</b>	Direct on line
<b>Front Shaft Indicator:</b>	None	<b>Thermal Device - Bearing:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Thermal Device - Winding:</b>	None
<b>Insulation Class:</b>	H	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Inverter Code:</b>	Inverter Ready	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1953A01</b>										
<b>CAT.NO.</b>	CFSWDM3554-5E									
<b>SPEC.</b>	35E4741L772G1									
<b>HP</b>	1.5									
<b>VOLTS</b>	575									
<b>AMP</b>	1.7									
<b>RPM</b>	1760									
<b>FRAME</b>	56C				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	L	<b>DES</b>	B		<b>CLASS</b>	H	
<b>NEMA-NOM-EFF</b>	86.5			<b>PF</b>	75					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A				<b>USABLE AT 208V</b>					
<b>DE</b>	6205			<b>ODE</b>	6205					
<b>ENCL</b>	TEFC		<b>SN</b>							
	4:1CT, 10:1VT									

Parts List		
Part Number	Description	Quantity
SA346466	SA 35E4741L772G1	1.000 EA
RA334981	RA 35E4741L772G1	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35CB1012A02	35 MACH MID SECTION - 3 PC. CONDUIT BOX	1.000 EA
10XN1032FS08	HEX HD CAP SCREW 10-32 X 1/2 SS FOOD SAF	3.000 EA
11XW1032G08	10-32 X .50, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 EA
35EP1940A05	FRONT TEFC 205 BRG (STAINLESS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600G01	.984X1.499X.25 VITON SLICK SERIES LIP	1.000 EA
HW4600E99	25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP1935A02	PULLEY 56C/143-5TC ENCL 205 BRG	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600G01	.984X1.499X.25 VITON SLICK SERIES LIP	1.000 EA
HW4600E99	25 X 42 X 6 AFX SEAL, GRAPHITE INFUSED V	1.000 EA
HW4500S33	1/8 NPT STAINLESS #304 SS PLUG	3.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
RM1070A26	O-RING,4.5MM I.D.X1.5MM C.S. (VITON)	4.000 EA
35FH4005A39	IEC FH NO GREASER DEBURR/CLEAN - SS	1.000 EA
10XN1032FS06	HEX HD CAP SCREW 10-32 X 3/8 SS FOOD SAF	3.000 EA
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
35CB1511A01	35-36-37 MACH. LID - 3 PC. CONDUIT BOX	1.000 EA
RM1070A81	O-RING, -043 VITON/FKM .070CS X 3.489ID	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	0.005 QT
MJ5004A93	FOOD GRADE (H1 RATED) ANTISEIZE THRD COM	0.005 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
19XB0818S12	8-18X3/4 HXWS TYB HIGH-LOW	1.000 EA
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3100FS25	THRUBOLT, 10-32 X 9.500 SS FOOD SAFE	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 1/21	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA
FE-0000002	ZRTG FE ASSEMBLY	1.000 EA
PE-0000002	ZRTG PE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 65606

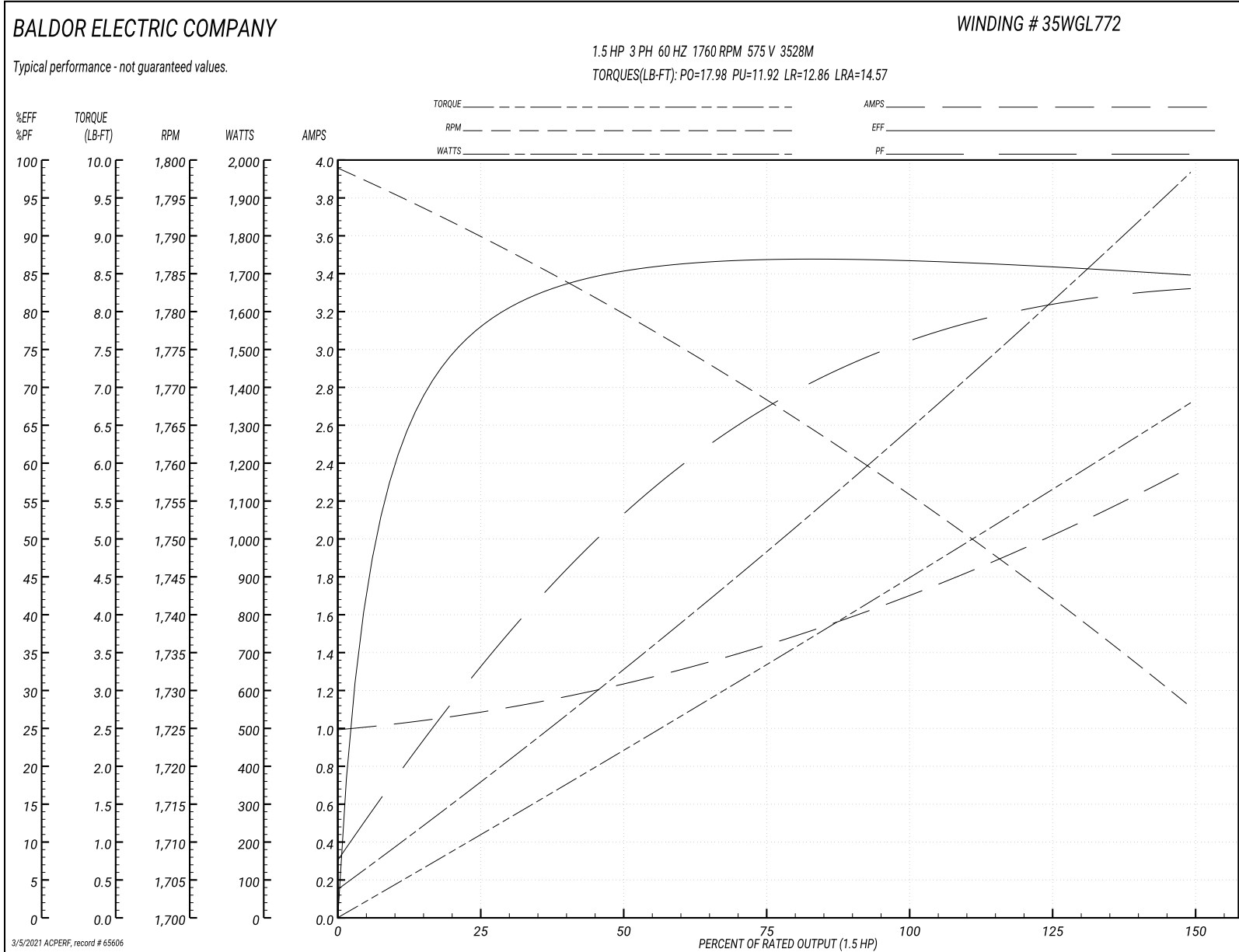
Typical performance - not guaranteed values

Winding: 35WGL772-R001		Type: 3528M	Enclosure: TEFC
<b>Nameplate Data</b>		<b>575 V, 60 Hz: Single Voltage Motor</b>	
Rated Output (HP)	1.5	Full Load Torque	4.46 LB-FT
Volts	575	Start Configuration	direct on line
Full Load Amps	1.7	Breakdown Torque	17.98 LB-FT
R.P.M.	1760	Pull-up Torque	11.92 LB-FT
Hz	60 Phase	Locked-rotor Torque	12.86 LB-FT
NEMA Design Code	B KVA Code	Starting Current	14.57 A
Service Factor (S.F.)	1.15	No-load Current	1.01 A
NEMA Nom. Eff.	86.5 Power Factor	Line-line Res. @ 25°C	16.5 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	58°C
S.F. Amps		Temp. Rise @ S.F. Load	70°C
		Locked-rotor Power Factor	50.7
		Rotor inertia	0.165 LB-FT <sup>2</sup>

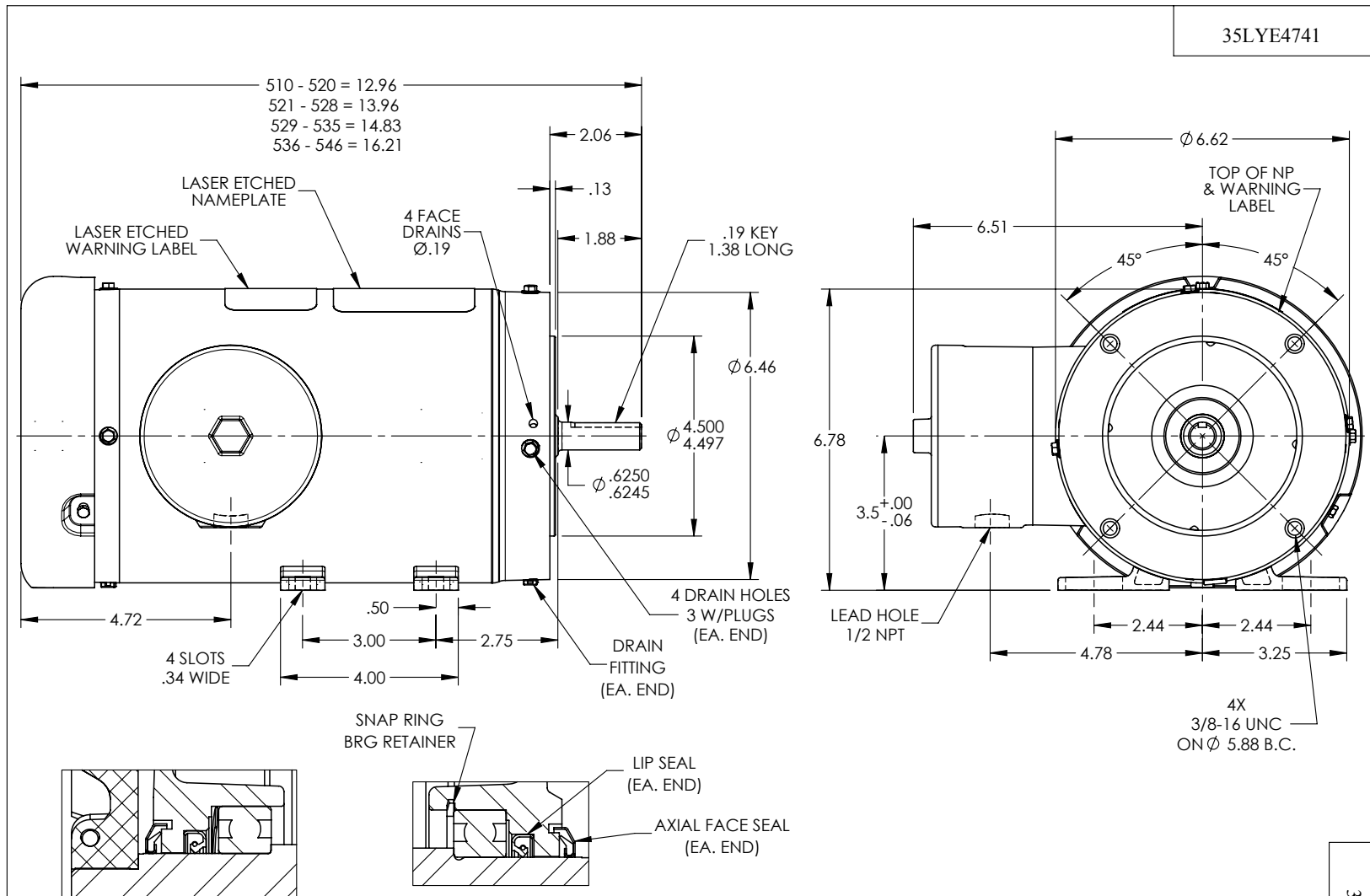
**Load Characteristics 575 V, 60 Hz, 1.5 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	75	81	83	79
Efficiency	77	85.3	86.7	86.8	86.1	84.7	86.3
Speed	1790	1780	1769	1756	1742	1728	1748
Line amperes	1.06	1.22	1.44	1.71	2.02	2.37	1.9

Performance Graph at 575V, 60Hz, 1.5HP Typical performance - Not guaranteed values







FRONT END DETAIL

PULLEY END DETAIL

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: NP LEADER POINTED TO WARNING LABEL & LEADER FOR			
REV: A	VERSION: 01	REVISED: 01:39:56 01/15/2018	TDR: 000001056998
35LYE4741	MODEL NO. 35LYE4741	REF: -	
	BY: ENMARH0		

**BALDOR**

STD HORZ 56C TEFC 35M WD11/12

35LYE4741

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

SH 1 of 1