

**BALDOR® • RELIANCE** 

**Product Information Packet**

**VEUHM3546-5**

**1HP,1760RPM,3PH,60HZ,56C,3520M,TEFC,F3,N**

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM849	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	35X042	Layout:	35LYX042	Poles:	04	Created Date:	08-12-2013
Base:	N	Eff. Date:	08-22-2019	Leads:	3#18		

Specs			
Catalog Number:	VEUHM3546-5	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Inverter Ready
Frame:	56C	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 18 AWG
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3520M
Agency Approvals:	CSA EEV	Mounting Arrangement:	F3
	UR	Power Factor:	71
	WEEE	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
	CE	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	No Mounting	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

<b>Blower:</b>	None	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
<b>Current @ Voltage:</b>	1.200 A @ 575.0 V	<b>Shaft Rotation:</b>	Reversible
<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP2934L</b>										
<b>CAT.NO.</b>	VEUHM3546-5									
<b>SPEC.</b>	35X042M849G1									
<b>HP</b>	1									
<b>VOLTS</b>	575									
<b>AMP</b>	1.2									
<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>CL</b>	F
<b>NEMA-NOM-EFF</b>	85.5			<b>PF</b>	71					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A						<b>USABLE AT 208V</b>			
<b>DE</b>	6205			<b>ODE</b>	6203					
<b>ENCL</b>	TEFC			<b>SN</b>						
	IP44									

Parts List		
Part Number	Description	Quantity
SA267440	SA 35X042M849G1	1.000 EA
RA254111	RA 35X042M849G1	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX,W/PRIMER (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	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
35EP3122K00	MASTER ODE,203 BRG,.683SH,#26 DRN,FH MTG	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4519	CB LID W/BLACK PRIMER	1.000 EA
35GS3019	GASKET, FOR KOBX LID 35CB4519	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MG1025N19	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
NP2934L	ALUM SUPER-E UL CSA-EEV CE CC PREM	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

**AC Induction Motor Performance Data**

Record # 32073 - Typical performance - not guaranteed values

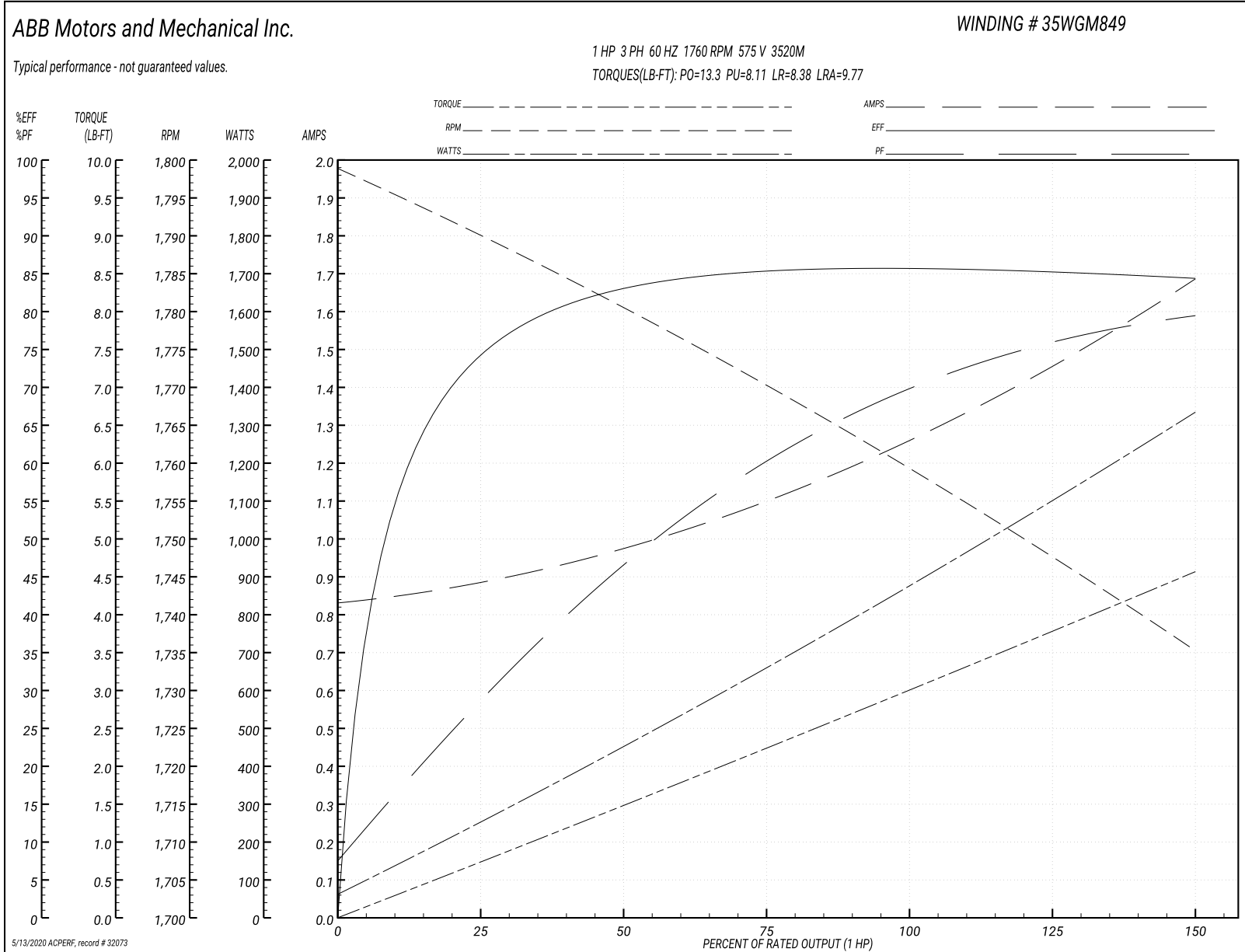
<b>Winding:</b> 35WGM849-R001	<b>Type:</b> 3520M	<b>Enclosure:</b> TEFC
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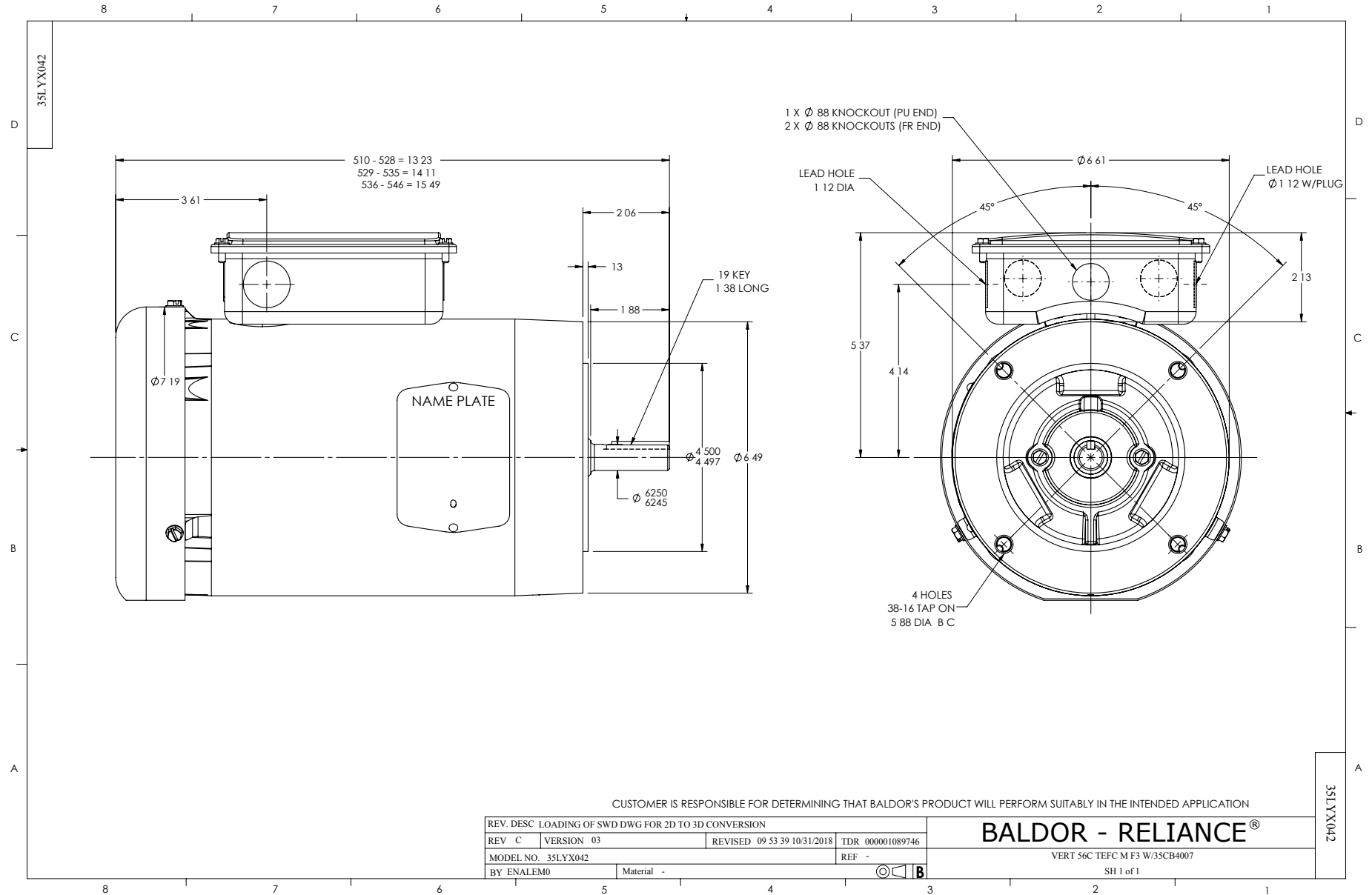
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.2			Breakdown Torque	13.3 LB-FT
R.P.M.	1760			Pull-up Torque	8.11 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.38 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	9.77 A
Service Factor (S.F.)	1.15			No-load Current	0.84 A
NEMA Nom. Eff.	85.5	Power Factor	71	Line-line Res. @ 25°C	23.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C
				Locked-rotor Power Factor	53.9
				Rotor inertia	0.118 LB-FT <sup>2</sup>

Load Characteristics 575 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	60	69	76	80	75
Efficiency	74.4	83.2	85.2	85.9	85.3	84.4	85.5
Speed	1790	1780	1770	1760	1748	1735	1754
Line amperes	0.872	0.977	1.1	1.26	1.46	1.68	1.35

Performance Graph at 575V, 60Hz, 1.0HP Typical performance - Not guaranteed values





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: -	© □	

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

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