



Product Information Packet

VEBM3546T-5D

1HP,1760RPM,3PH,60HZ,143TC,3520M,TEFC,F3

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM849	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	35X050	Layout:	35LYX050	Poles:	04	Created Date:	08-03-2010
Base:	N	Eff. Date:	06-28-2018	Leads:	3#18		

Specs			
Catalog Number:	VEBM3546T-5D	Inverter Code:	Inverter Ready
Enclosure:	TEFC	KVA Code:	L
Frame:	143TC	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	1.000 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:	3520M
XP Division:	Not Applicable	Mounting Arrangement:	F3
Agency Approvals:	CSA	Power Factor:	71
	CSA EEV	Product Family:	General Purpose
	UR	Product Type:	D-SERIES BRAKE MOTORS
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	1.200 A @ 575.0 V	Shaft Ground Indicator:	No Shaft Grounding

Design Code:	B	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Fan Housing Cover For Brake	Thermal Device - Bearing:	NONE (OLD)
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1259L

CAT.NO.	VEBM3546T-5D											
SPEC.	35X050M849G1											
HP	1											
VOLTS	575											
AMP	1.2											
RPM	1760											
FRAME	143TC				HZ		60		PH		3	
SER.F.	1.15		CODE		L		DES		B		CL	F
NEMA-NOM-EFF	85.5			PF		71						
RATING	40C AMB-CONT											
CC	010A			USABLE AT 208V								
DE	6205			ODE		6205						
ENCL	TEFC		SN									

Parts List		
Part Number	Description	Quantity
SA200661	SA 35X050M849G1	1.000 EA
RA187972	RA 35X050M849G1	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
35EP3119A01	SPL FREP TEFC 205 BRG	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	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
35FH3004A01	FAN COVER ASSY, BRAKE MTG	1.000 EA
51XN1032A32	10-32 X 2 HX WS SL SR	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA
35FN3003A01	EXFN, PLASTIC, 5.88 OD, .626 ID	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3019A01	LEXIDE GASKET, FOR KOBX LID 35CB4519	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
LB1419	CONNECTION LABEL	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025N19	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
HA3100A11	THRUBOLT 10-32 X 6.750	4.000 EA
46BK0204C01	DBSC-VP-6-MA-287/575 VAC	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 EA
PK3082	STYROFOAM CRADLE	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 32073 - Typical performance - not guaranteed values

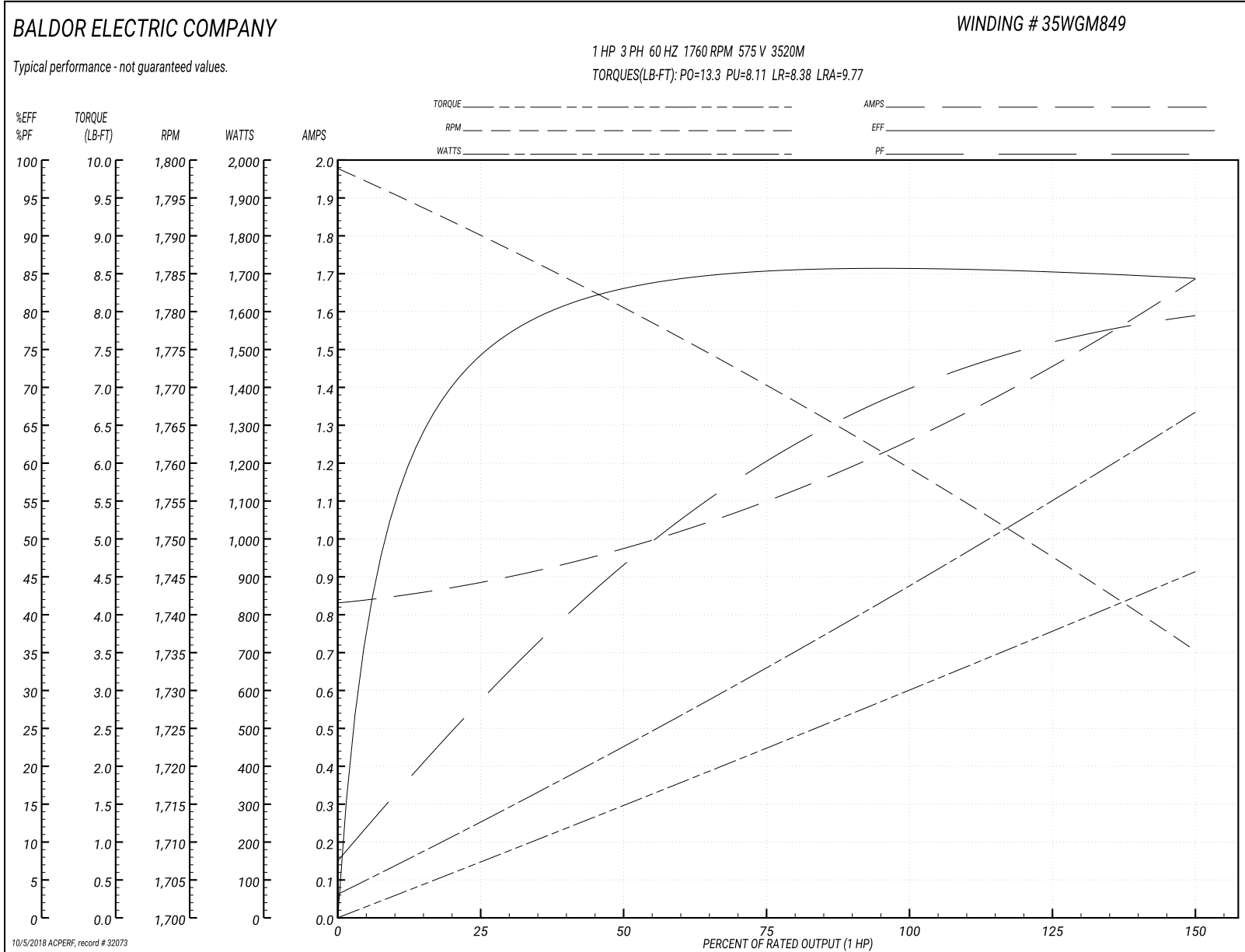
Winding: 35WGM849-R001	Type: 3520M	Enclosure: TEFC
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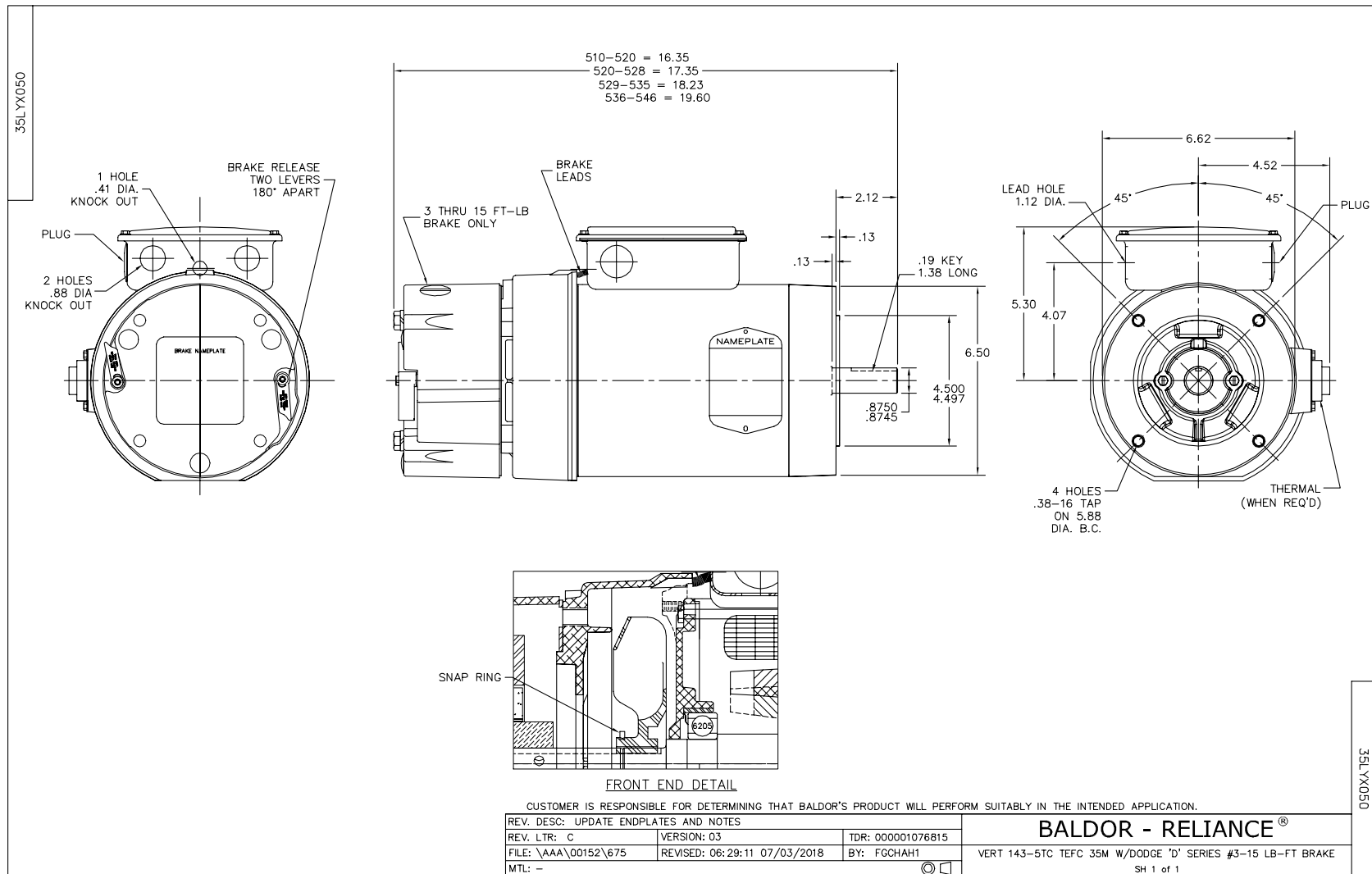
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	1.2			Breakdown Torque	13.3 LB-FT
R.P.M.	1760			Pull-up Torque	8.11 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.38 LB-FT
NEMA Design Code	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 ²

Load Characteristics 575 V, 60 Hz, 1 HP

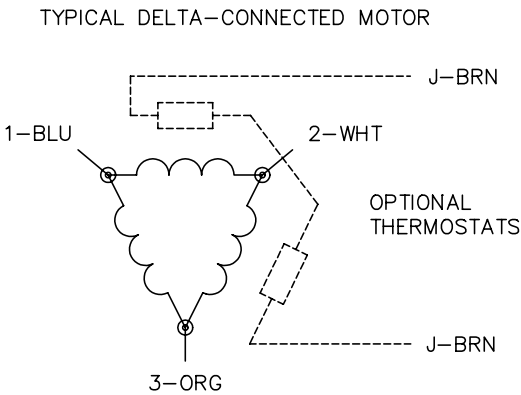
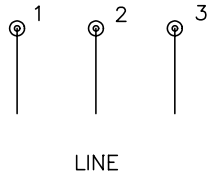
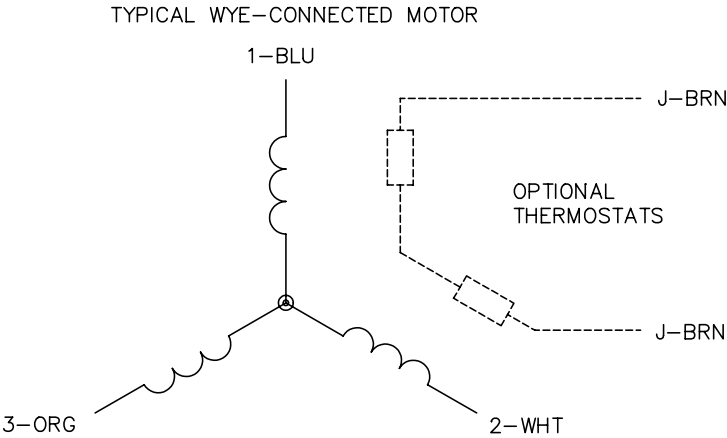
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	47	60	69	76	80	75
Efficiency	74.4	83.2	85.2	85.9	85.3	84.4	85.5
Speed	1790	1780	1770	1760	1748	1735	1754
Line amperes	0.872	0.977	1.1	1.26	1.46	1.68	1.35

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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435
90000D		FILE: AAA00005141	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

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

CD0006