

BALDOR® • RELIANCE

Product Information Packet

VFDL3612TM

5HP,1725RPM,1PH,60HZ,184TC,3646LC,TEFC,F

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Part Detail									
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3646LC	Elec. Spec:	36WGW279	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36M953	Layout:			
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	03-05-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-18-2011		
Leads:	2#10 A PH,3#16 B&J	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1280L									
CAT.NO.	VF DL3612TM								
SPEC.	36M953W279								
HP	5								
VOLTS	230								
AMP	23								
RPM	1725								
FRAME	184TC	HZ			60	PH	1		
SER.F.	1.00	CODE			J	DES	L	CL	F
NEMA-NOM-EFF	80	PF			88				
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6206	ODE			6205				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA191804	SA 36M953W279	1.000 EA
RA179462	RA 36M953W279	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
TPLED1027SP	THERMAL 1PH 1.5 MAN REF LED989 TDR #5817	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	2.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
HA2001A09	SPACER, .218 ID X .937 LG	2.000 EA
RM1015	BOOT FOR MANUAL THERMALS	1.000 EA
51XN1032A28	10-32 X 1 3/4 HX WS SL SR	2.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	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
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 EA
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 EA
37CB3805A06	CAPAC BOX, DIECAST W/CAST LEAD & THERMAL	1.000 EA
37GS3002	GASKET, CAPACITOR BOX	2.000 EA
10XN2520A08	1/4-20X1/2 HEX HEAD CAP	4.000 EA
HA6003A16	CLAMP, CAPACITOR SIZE 8 1/4 X 1 1/2 PL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3301A01SP	PU ENDPLATE, ENCL. 182-4TC 206 BRG. W/GR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A104	IEC FH GREASER W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
37CB4502	CAPAC BOX LID, STAMPED PLATED	1.000 EA
37GS3003SP	GASKET, CAPAC BOX LID X	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 EA
HA1005A02SP	SLINGER, OD 2.00, ID 1.14, 206 BRG,	1.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS T 060.32	0.010 GA
MG1025C02	PAINT, 787.105 LITE TAN EPOXY (USE W/MG1	0.022 GA
LB1115	LABEL,LIFTING DEVICE	1.000 EA
SP5172A11	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	6.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0002	CONNECTION LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
G0PA1000	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

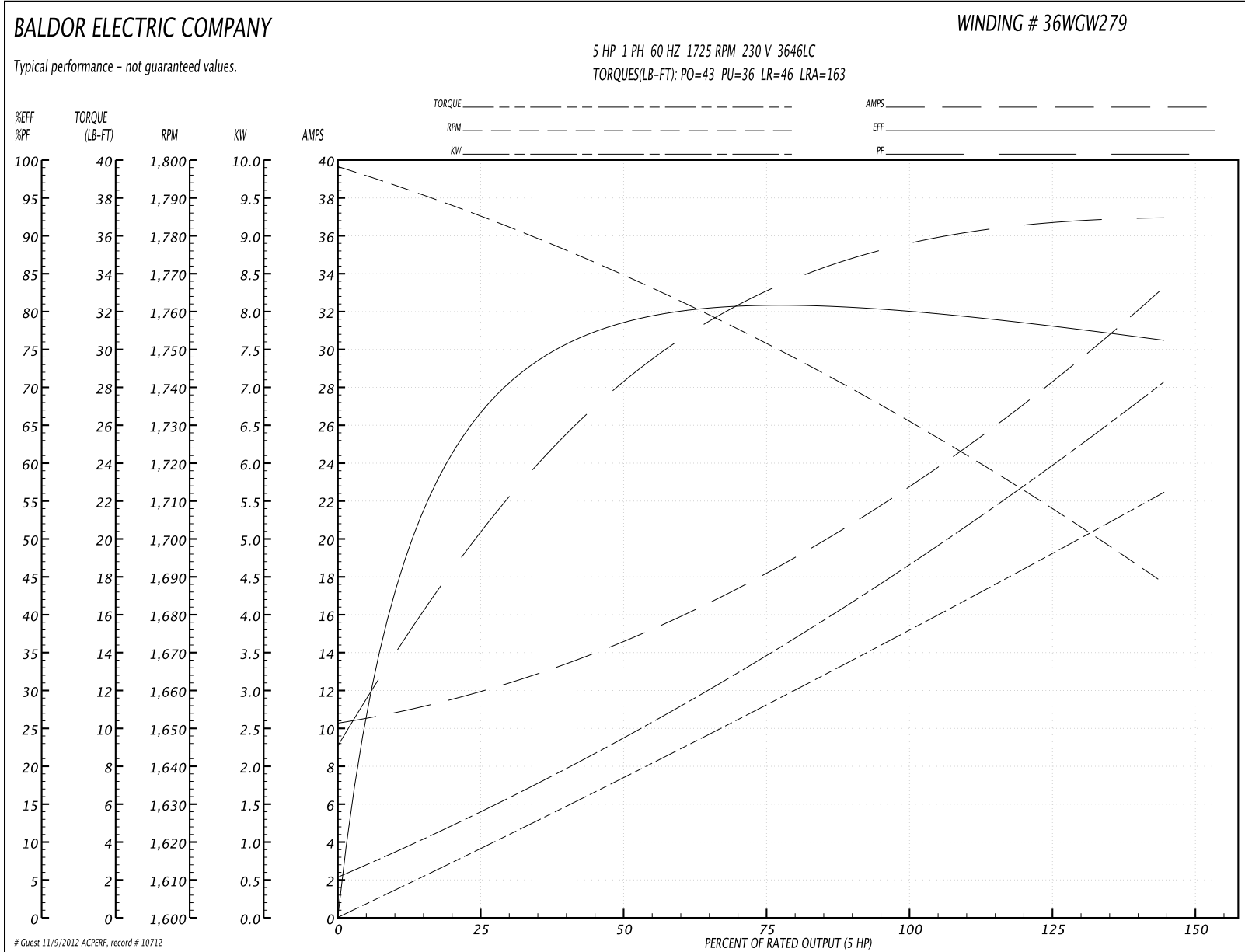
Performance Data at 230V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)
General Characteristics

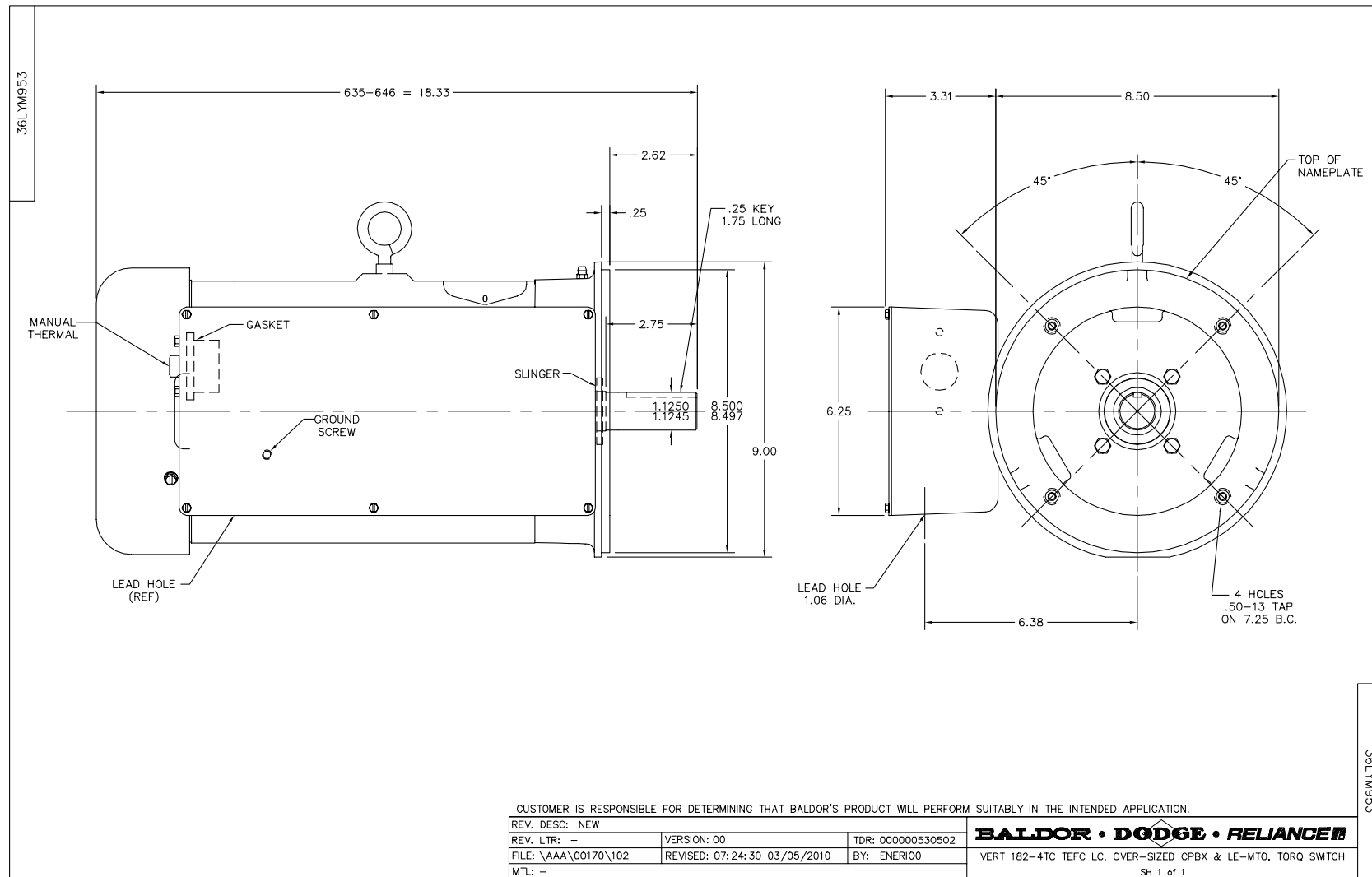
Full Load Torque:	15.0 LB-FT	Start Configuration:	DOL
No-Load Current:	10.0 Amps	Break-Down Torque:	43.0 LB-FT
Line-line Res. @ 25°C.:	0.353 Ohms A Ph / 2.23 Ohms B Ph	Pull-Up Torque:	36.0 LB-FT
Temp. Rise @ Rated Load:	97 C	Locked-Rotor Torque:	46.0 LB-FT
Temp. Rise @ S.F. Load:		Starting Current:	163.0 Amps

Load Characteristics

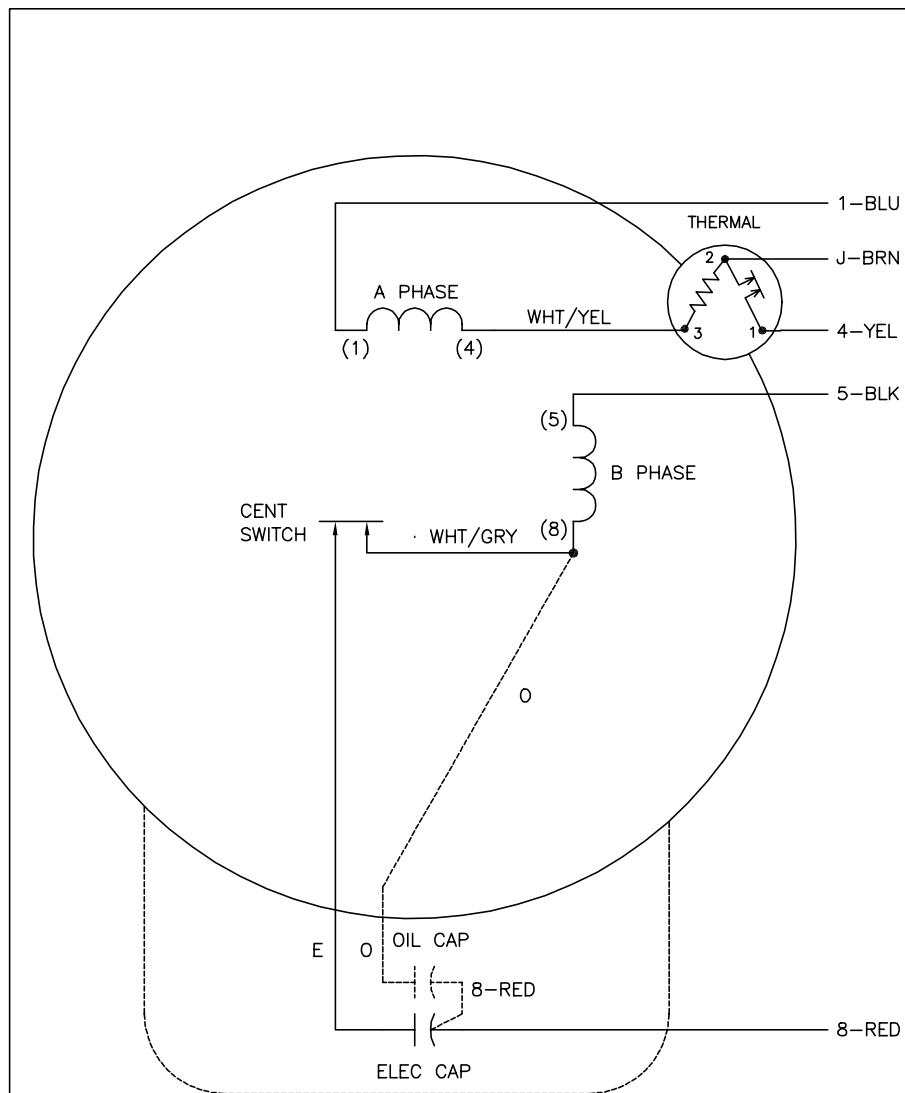
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	54.0	71.0	85.0	89.0	89.0	91.0	0.0
Efficiency:	65.0	76.1	81.5	80.8	79.3	75.5	0.0
Speed:	1786.0	1769.0	1750.0	1732.0	1713.0	1687.0	0.0
Line Amperes:	12.7	14.0	18.5	22.6	27.3	33.5	0.0

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0152



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
4. CAPACITORS MAY BE SEPERATELY MOUNTED.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION

REV. LTR: D

VERSION: 01

TDR: 000000373039

ZG10DO

FILE: \AAA\00026\903

REVISED: 11:23:45 08/11/2005

MTL: -

BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD

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