

BALDOR® • RELIANCE

Product Information Packet

VM8007T

5HP,1750RPM,3PH,60HZ,184TC,0633M,TEFC,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0633M	Elec. Spec:	06WGX128	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06H081	Layout:	06LYH081
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	08-12-2010
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	07-11-2014
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1261E									
CAT.NO.	VM8007T								
SPEC.	06H081X128H2								
HP	5								
VOLTS	208-230/460								
AMP	14.9-13.8/6.9								
RPM	1750								
FRAME	184TC	HZ			60	PH		3	
SER.F.	1.15	CODE			J	DES		B	CL
NEMA-NOM-EFF	87.5	PF			77				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6206	ODE			6205				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA201777	SA 06H081X128H2	1.000 EA
RA189072	RA 06H081X128H2	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1000A02G	CONDUIT BOX, MACH GRAY	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP1101A64G	FR EP GREASER, .25-20 FAN CVR.HOLES,TEFC.	1.000 EA
HW4500A31	GREASE FIT/EXT 3014-B .25-28 ALEMITE	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1300A03G	PU ENDPLATE, MACH, GRAY	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
10XN2520A26	1/4-20X 1 5/8 HEX HD	4.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
06FH1004A01G	FAN HOUSING MACH, W/GRAY EPOXY	1.000 EA
10XN2520A20	1/4-20X 1 1/4 HEX HD X	3.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA
HW4600B74	FORSHEDA V28A V-RING SEAL	1.000 EA
06CB1502A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
06GS1003	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1000	LABEL, DIRTY DUTY	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.028 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1261E	SS UL CSA CC	1.000 EA
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 36480 - Typical performance - not guaranteed values

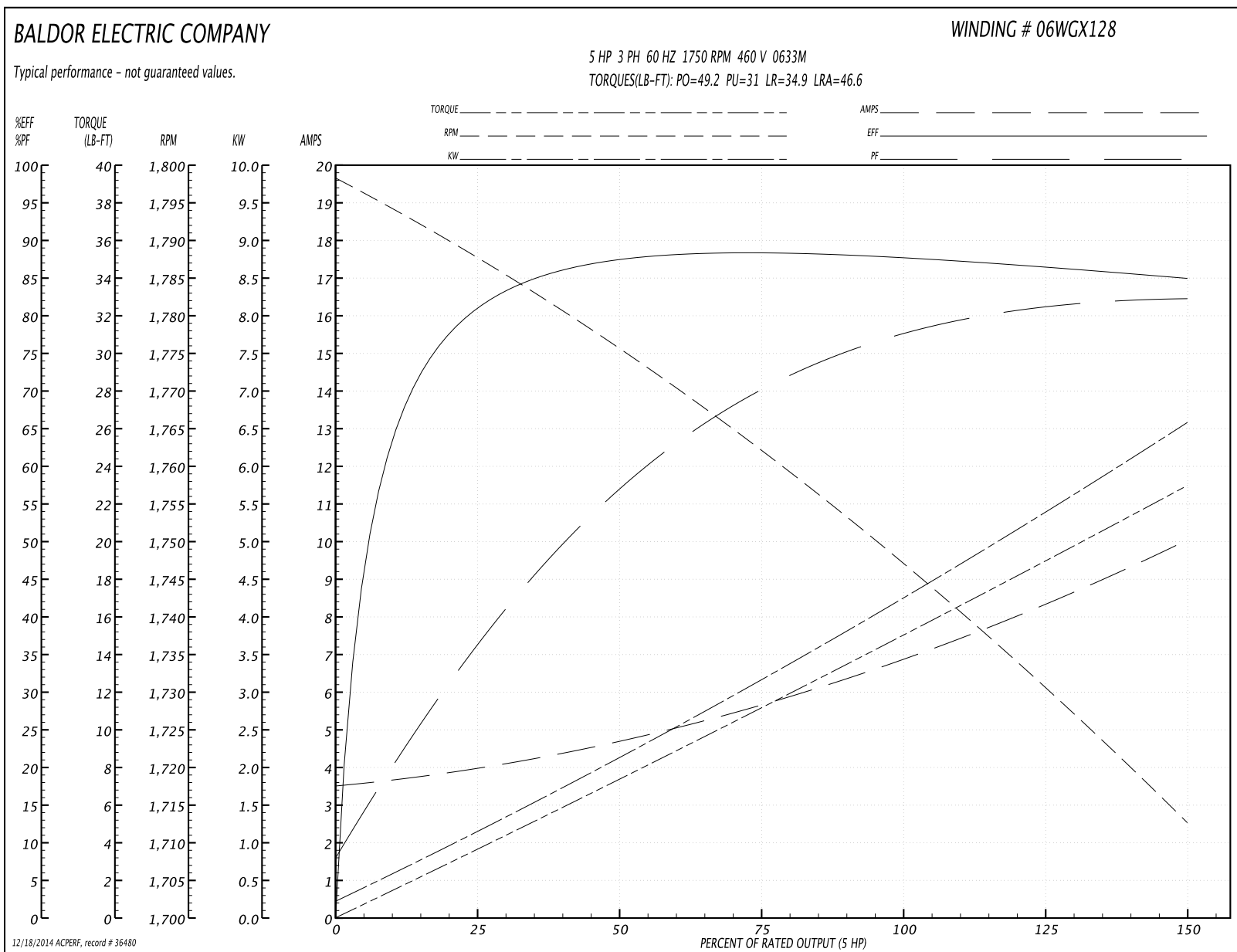
Winding: 06WGX128-R002	Type: 0633M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

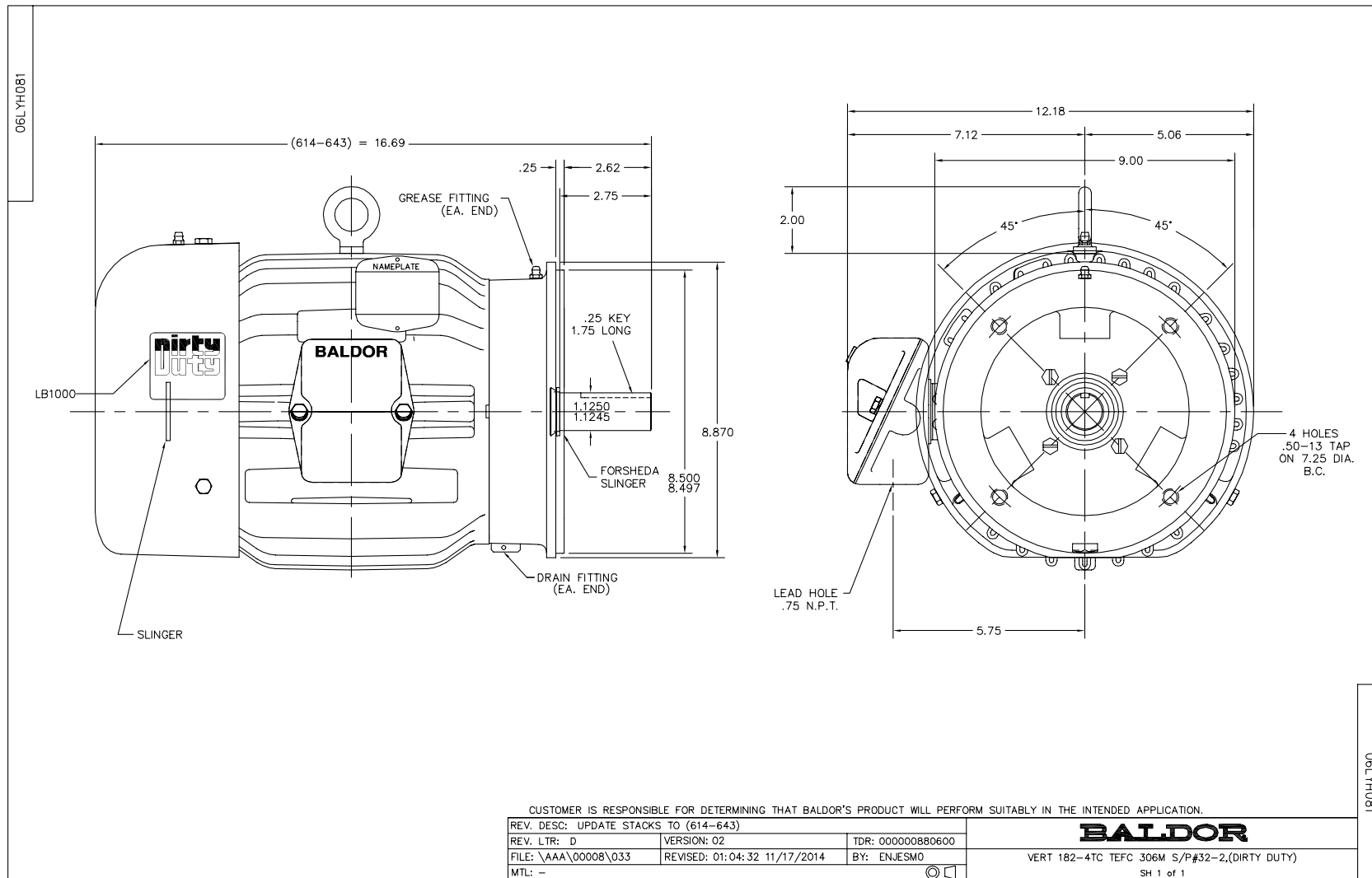
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	14.9-13.8/6.9			Breakdown Torque	49.2 LB-FT
R.P.M.	1750			Pull-up Torque	31 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.9 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	46.6 A
Service Factor (S.F.)	1.15			No-load Current	3.58 A
NEMA Nom. Eff.	87.5	Power Factor	77	Line-line Res. @ 25°C	2.55 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	56°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C
				Rotor inertia	0.307 LF ²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	70	76	80	83	78
Efficiency	80.1	86.4	88.5	87.8	87.2	84.6	87.4
Speed	1787	1775	1762	1748	1731	1712	1738
Line amperes	3.89	4.65	5.65	6.98	8.36	10	7.81

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0005


 LOW VOLTAGE
(2Y)


LINE

 HIGH VOLTAGE
(1Y)


LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005