

BALDOR® • RELIANCE

Product Information Packet

AEM3684-4

1HP,1140RPM,3PH,60HZ,184,0628M,TEFC,F1

Part Detail							
Revision:	AF	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0628M	Elec. Spec:	06WGX083	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	06F062	Layout:	06LYF062
Frame:	184	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	06-23-2014
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1404E									
CAT.NO.	AEM3684-4								
SPEC.	06F62X83								
VOLTS	460								
AMP	1.7								
RPM	1140	HP	1						
FRAME	184	HZ	60	PH	3				
SER.F.	1.00	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	80.5	PF	71						
G.MIN.EFF	77.5	CC							
RATING	65C AMB-CONT								
LUBRICATION	POLYREX EM								
DE	6206	ODE	6205						
ENCL	TEFC	SER. #							

Parts List		
Part Number	Description	Quantity
SA020202	SA 06F62X83	1.000 EA
RA016255	RA 06F62X83	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
06CB1000A02	CONDUIT BOX, MACH, W/.75 PIPE TAP & #18	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
36EP1101A51	FR ENDPLATE MACH, TEFC	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1100A21	PU ENDPLATE MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HA3101A34	THRUBOLT- 1/4-20 X 10.375	4.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36FH4009A31	IEC FH W/GREASER & SPL NOTCH, W/ AUTOPHE	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
06CB1500A01	CONDUIT BOX LID, MACH	1.000 EA
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
HA1005A22	SLINGER, OD 2.00, ID 1.14, 206 BRG, GM	1.000 EA
HA1005A03SP	SLINGER, OD 1.750, ID .938, 205 BRG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER	0.001 QT
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ5001A14	DYNAPRO SEAL, CP MOTORS VC#2508050 (603	0.001 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
WD1000B03	BURNDY YAV14 TERML (1M/PK)	3.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025G02	PAINT, 782-02 WILKOFASST LIGHT GREY EPOXY	0.028 GA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1404E	SS UL CSA CC "AUTOMOTIVE"	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
36PA1001	PACKAGING GROUP	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

Accessories		
Part Number	Description	Multiplier
36-1037	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 588 - Typical performance - not guaranteed values

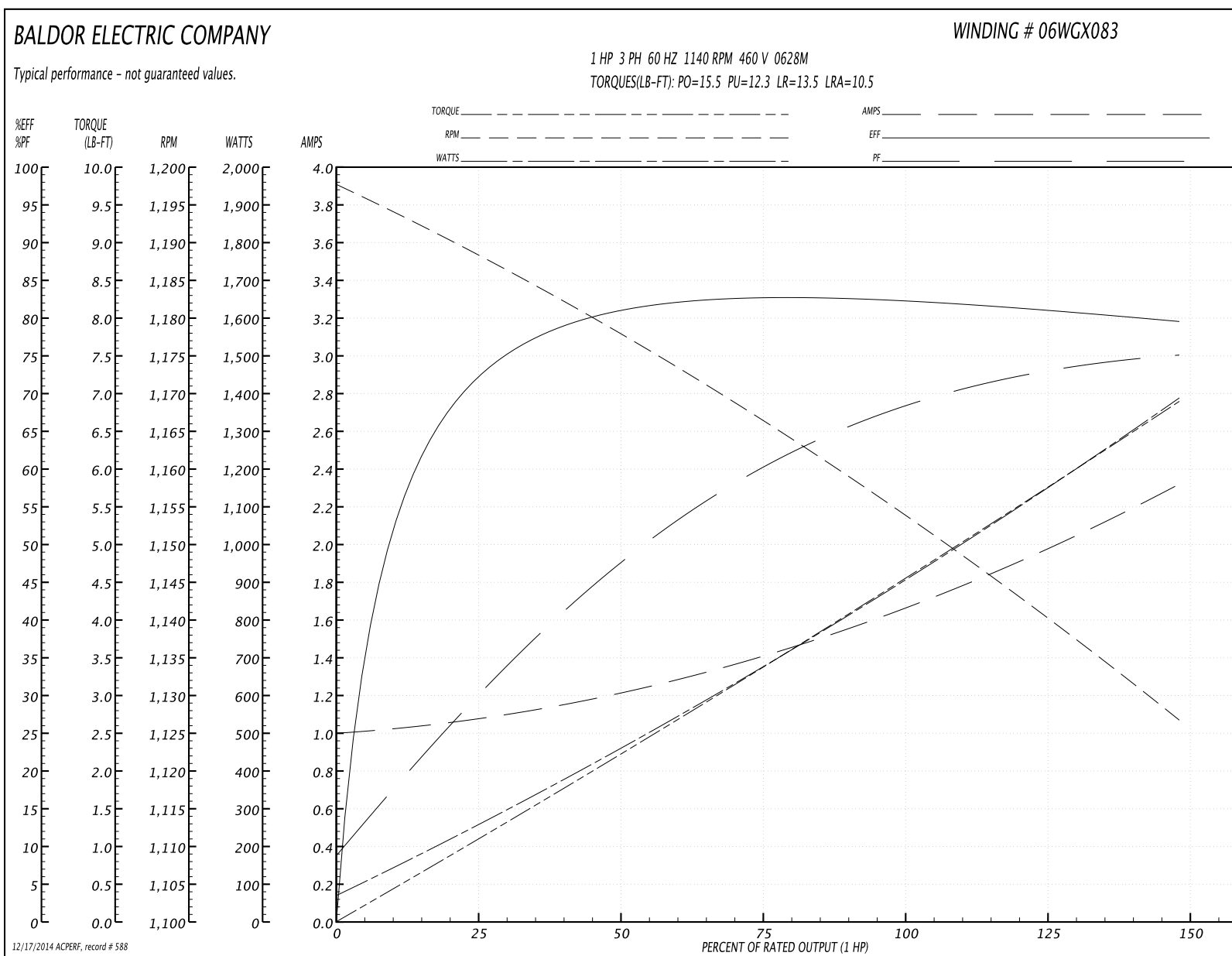
Winding: 06WGX083-R001	Type: 0628M	Enclosure: TEFC
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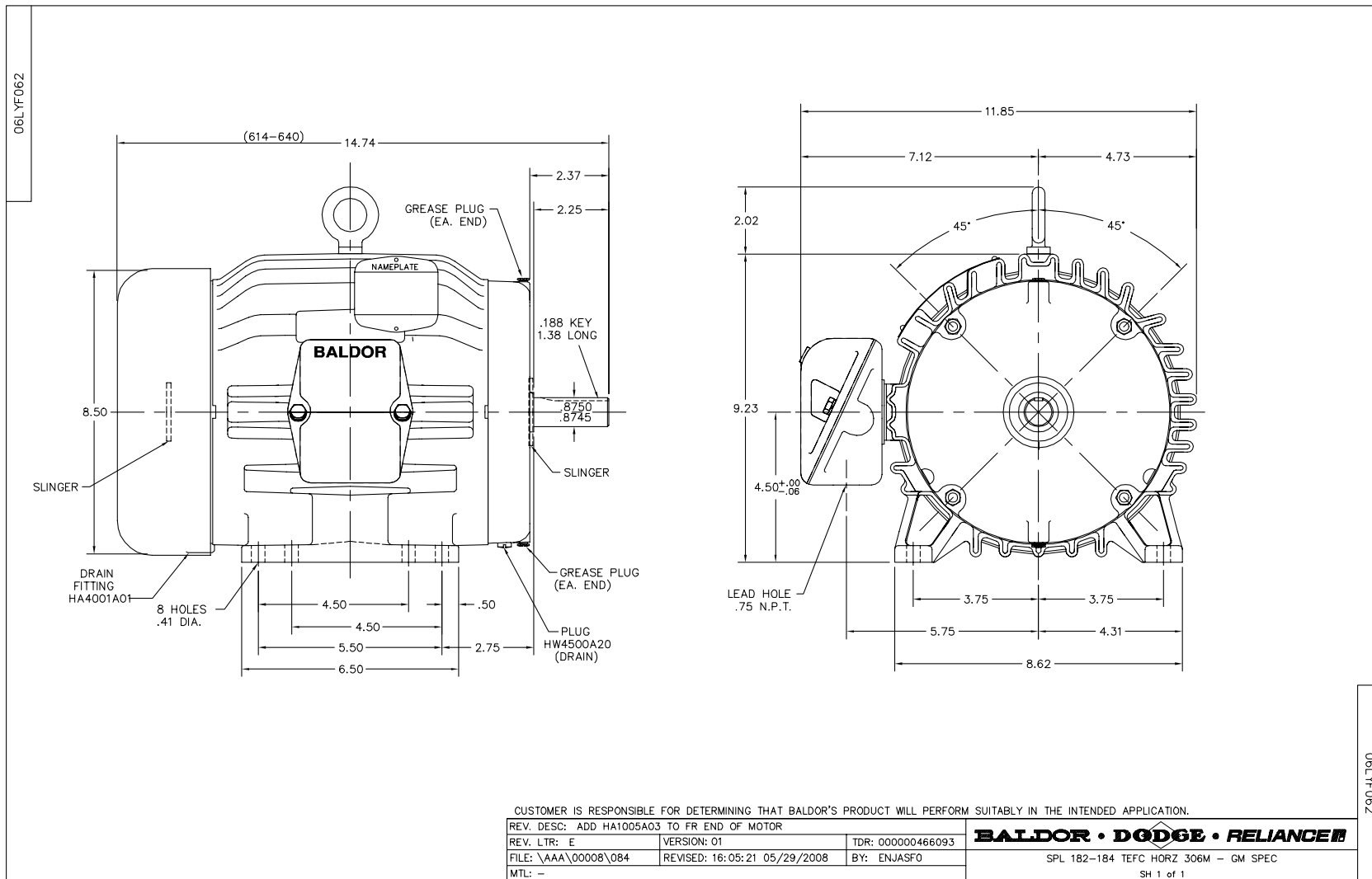
Nameplate Data				460 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	1			Full Load Torque	4.6 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	1.7			Breakdown Torque	15.5 LB-FT
R.P.M.	1140			Pull-up Torque	12.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.5 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	10.5 A
Service Factor (S.F.)	1			No-load Current	1 A
NEMA Nom. Eff.	80.5	Power Factor	71	Line-line Res. @ 25°C	12.92 Ω
Rating - Duty	65C AMB-CONT			Temp. Rise @ Rated Load	29°C
				Rotor inertia	0.263 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

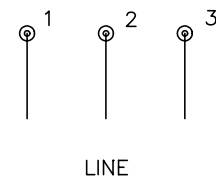
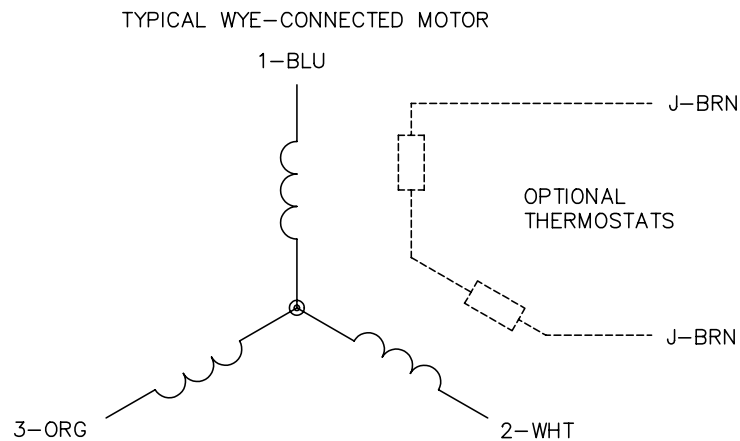
% of Rated Load	25	50	75	100	125	150
Power Factor	37	52	63	71	76	78
Efficiency	74.2	80.8	82.5	82.3	81.1	79.5
Speed	1187	1178	1166	1153	1140	1127
Line amperes	1.1	1.2	1.4	1.7	2	2.3

Performance Graph at 460V, 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