

BALDOR® • RELIANCE

Product Information Packet

M2394T

15HP,3450RPM,3PH,60HZ,254T,0750M,TEFC,F1

Part Detail							
Revision:	V	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0750M	Elec. Spec:	07WGW677	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07H203	Layout:	07LYH203
Frame:	254T	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-10-2010
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M2394T								
SPEC.	07H203W677H1								
HP	15								
VOLTS	208-230/460								
AMP	37.5-34/17								
RPM	3450								
FRAME	254T	HZ			60	PH	3		
SER.F.	1.15	CODE			K	DES	A	CLASS	F
NEMA-NOM-EFF	90.2	PF			91				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			37.5				
DE	6309	ODE			6307				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA021119	SA 07H203W677H1	1.000 EA
RA017172	RA 07H203W677H1	1.000 EA
S/P101-000-000	EPACT PROCEDURES-FS PLANT-POLYREX EM, NO	1.000 EA
HW3201A01	1/2-13 EYEBOLT	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	1.000 EA
37EP1101A03	FR/PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
07EP1116A01	ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
HA7000A03	KEY RETAINER RING 1.62 & 1.88 DIA. SH	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104A58	THRUBOLT- 5/16-18 X 14.500	4.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.036 GA
36FN3000C02	EXFN, PLASTIC, 5.25 OD, 1.175 ID	1.000 EA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3807A32	3/8 X 2" LAG SCREW TDR #49106	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
37-1302	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 905 - Typical performance - not guaranteed values

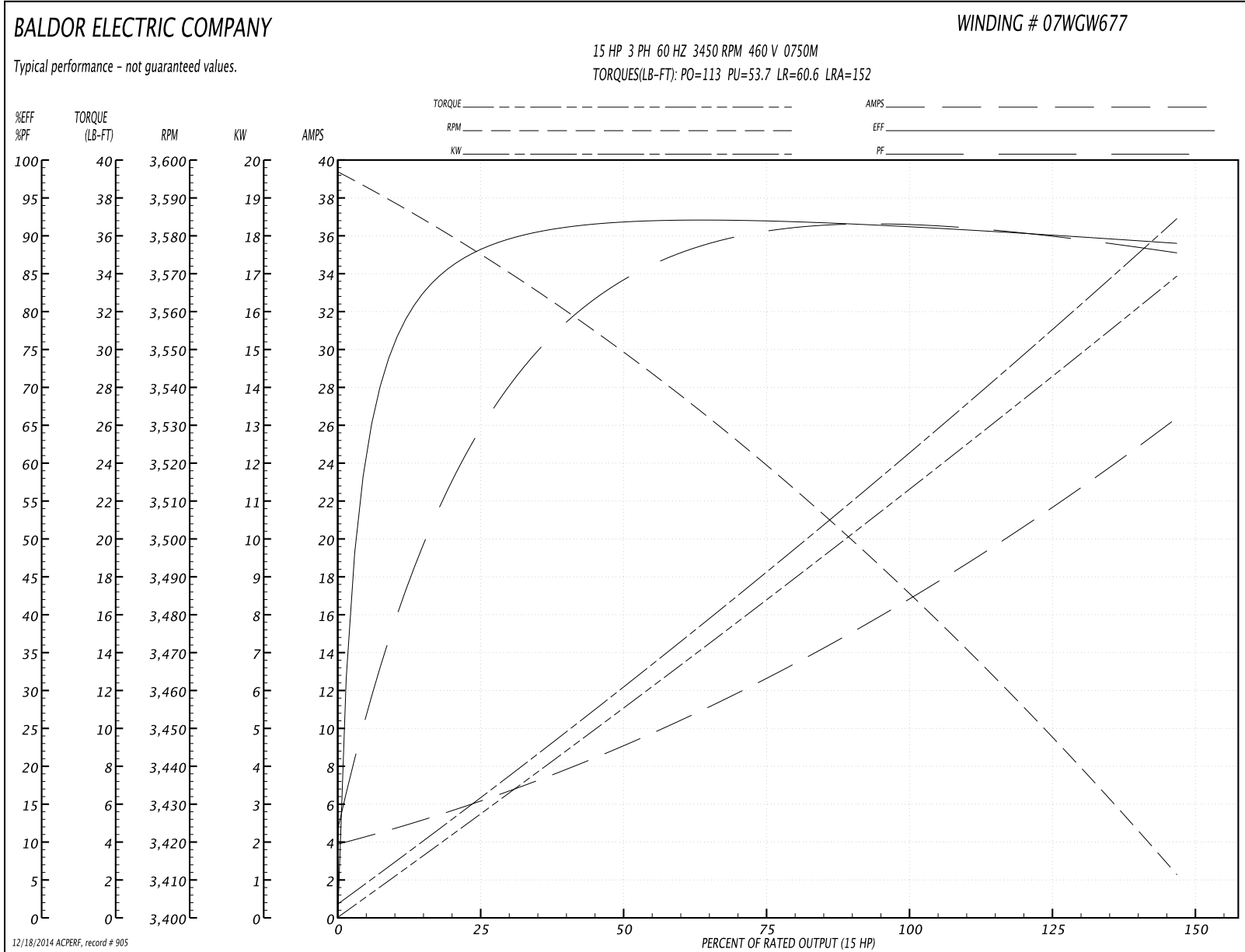
Winding: 07WGW677-R001	Type: 0750M	Enclosure: TEFC
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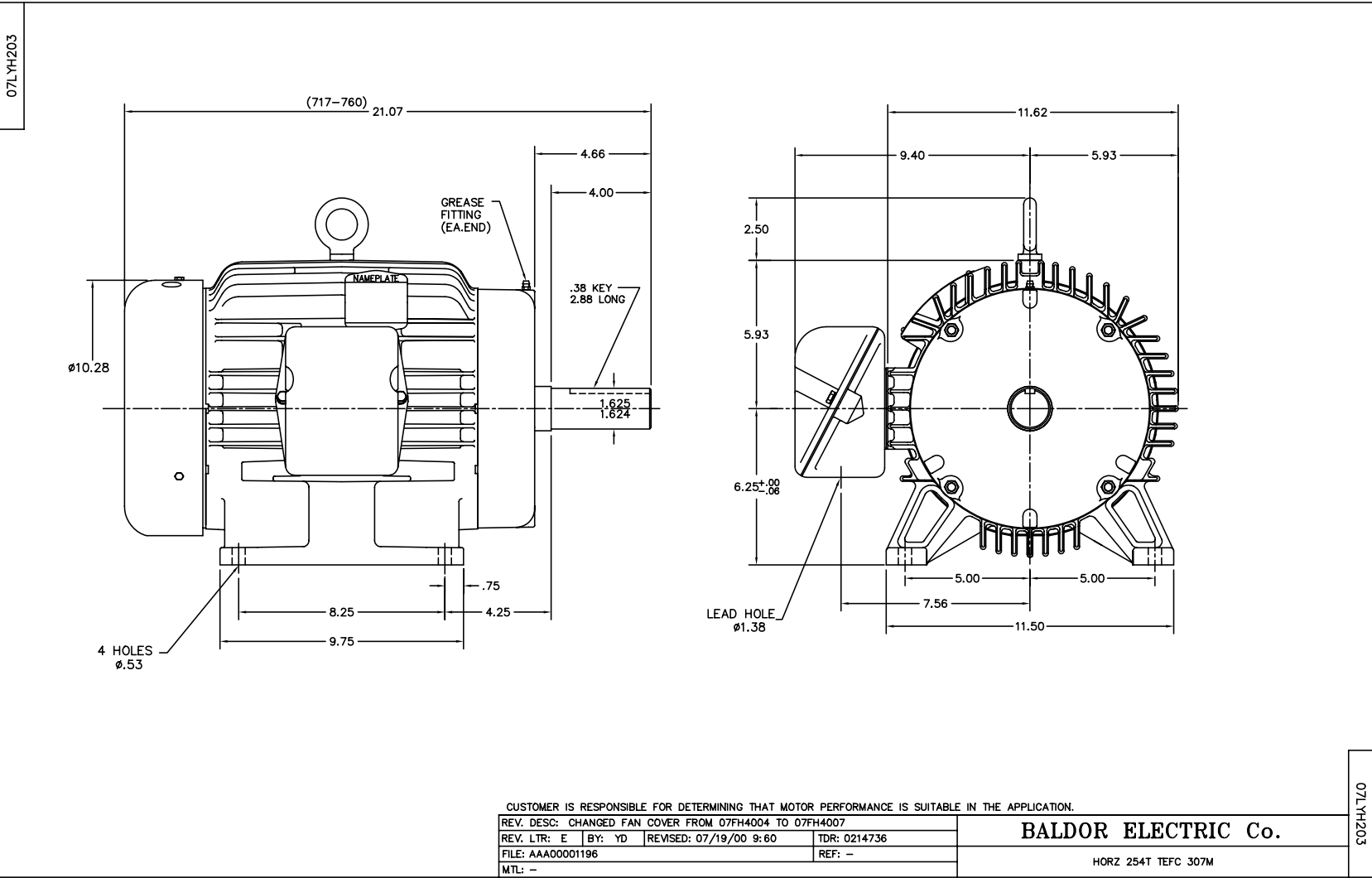
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	15			Full Load Torque	22.6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	37.5-34/17			Breakdown Torque	113 LB-FT
R.P.M.	3450			Pull-up Torque	53.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	60.6 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	152 A
Service Factor (S.F.)	1.15			No-load Current	4 A
NEMA Nom. Eff.	90.2	Power Factor	91	Line-line Res. @ 25°C	0.55 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C
				Rotor inertia	0.457 LF ²

Load Characteristics 460 V, 60 Hz, 15 HP

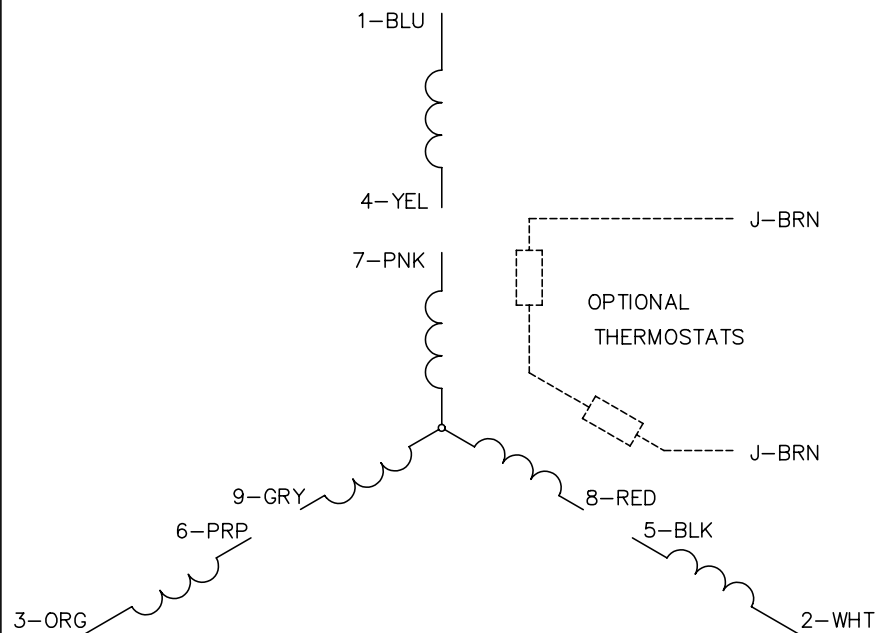
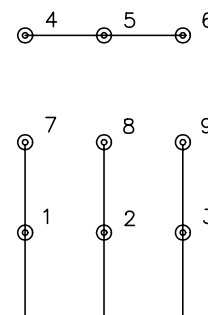
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	68	85	90	91	91	90	91
Efficiency	88.2	91.6	91.9	91.3	90.3	88.9	90.7
Speed	3570	3550	3520	3485	3450	3411	3464
Line amperes	6	9.2	12.9	17	21.1	26.5	19.5

Performance Graph at 460V, 60Hz, 15.0HP Typical performance - Not guaranteed values

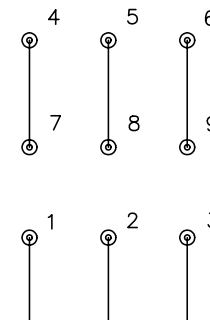




CD0005

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