



# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **M1213T**

**25/6.3HP, 1760/870RPM, 3PH, 60HZ, 284T, 4046M**

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4046M	Elec. Spec:	40WG164	CD Diagram:	CD0032
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40D101	Layout:	40LYD101
Frame:	284T	Mounting:	F1	Poles:	04/08	Created Date:	12-10-2009
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	12-22-2015
Leads:	6#10					Replaced By:	
Literature:		Elec. Diagram:					

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Nameplate NP1256L										
CAT.NO.	M1213T									
SPEC.	40D101X164									
HP	25/6.3									
VOLTS	460									
AMP	34/13.9									
RPM	1760/870									
FRAME	284T				HZ	60			PH	3
SER.F.	1.15			CODE	J	DES	A		CLASS	B
NEMA-NOM-EFF					PF					
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6311				ODE	6309				
ENCL	OPSB			SN						

Parts List		
Part Number	Description	Quantity
SA188549	SA 40D101X164	1.000 EA
RA176281	RA 40D101X164	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
10CB3000	STD KO BOX MODEL 310,312,314 MTRS W/2.00	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3200B05	STD PUEP OPEN 311 BRG	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB3500	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.070 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0032	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

Accessories		
Part Number	Description	Multiplier
40-1400	C FACE KIT	A8

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**AC Induction Motor Performance Data**

Record # 30902 - Typical performance - not guaranteed values

<b>Winding:</b> 40WGX164-R001	<b>Type:</b> 4046M	<b>Enclosure:</b> OPEN
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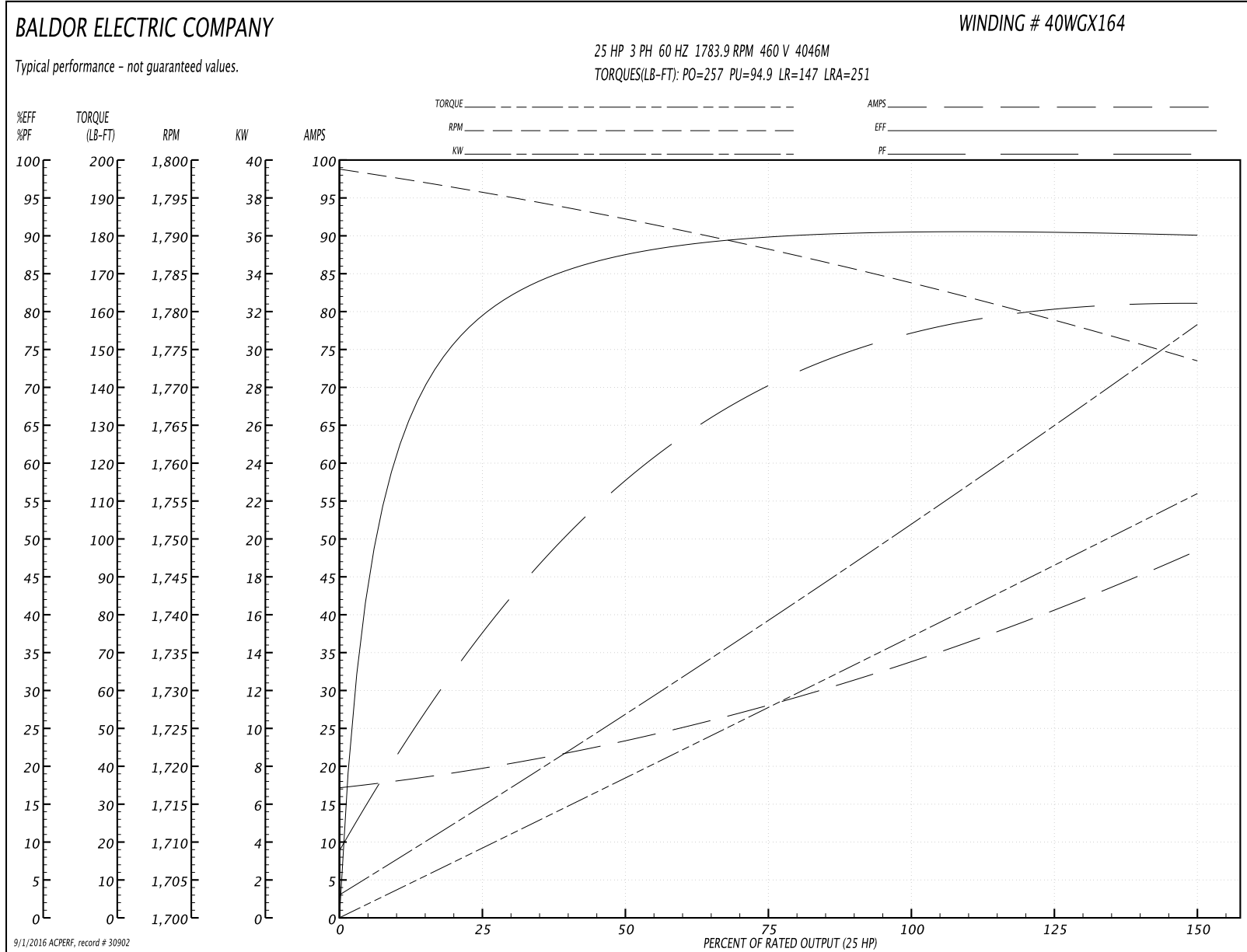
Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	25/6.3			Full Load Torque	74.6 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	34/13.9			Breakdown Torque	257 LB-FT
R.P.M.	1760/870			Pull-up Torque	94.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	147 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	251 A
Service Factor (S.F.)	1.15			No-load Current	17.4 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.31557 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	45°C

**Load Characteristics 460 V, 60 Hz, 25 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	59	70	76	81	81	79
Efficiency	79.7	87.6	89.9	90.4	90.7	89.9	90.6
Speed	1795.5	1792	1788.1	1783.9	1778.9	1773.3	1781
Line amperes	19.5	23.1	28.4	34.3	40.7	48.4	38.1

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Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values



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**AC Induction Motor Performance Data**

Record # 30903 - Typical performance - not guaranteed values

<b>Winding:</b> 40WGX164-R001	<b>Type:</b> 4046M	<b>Enclosure:</b> OPEN
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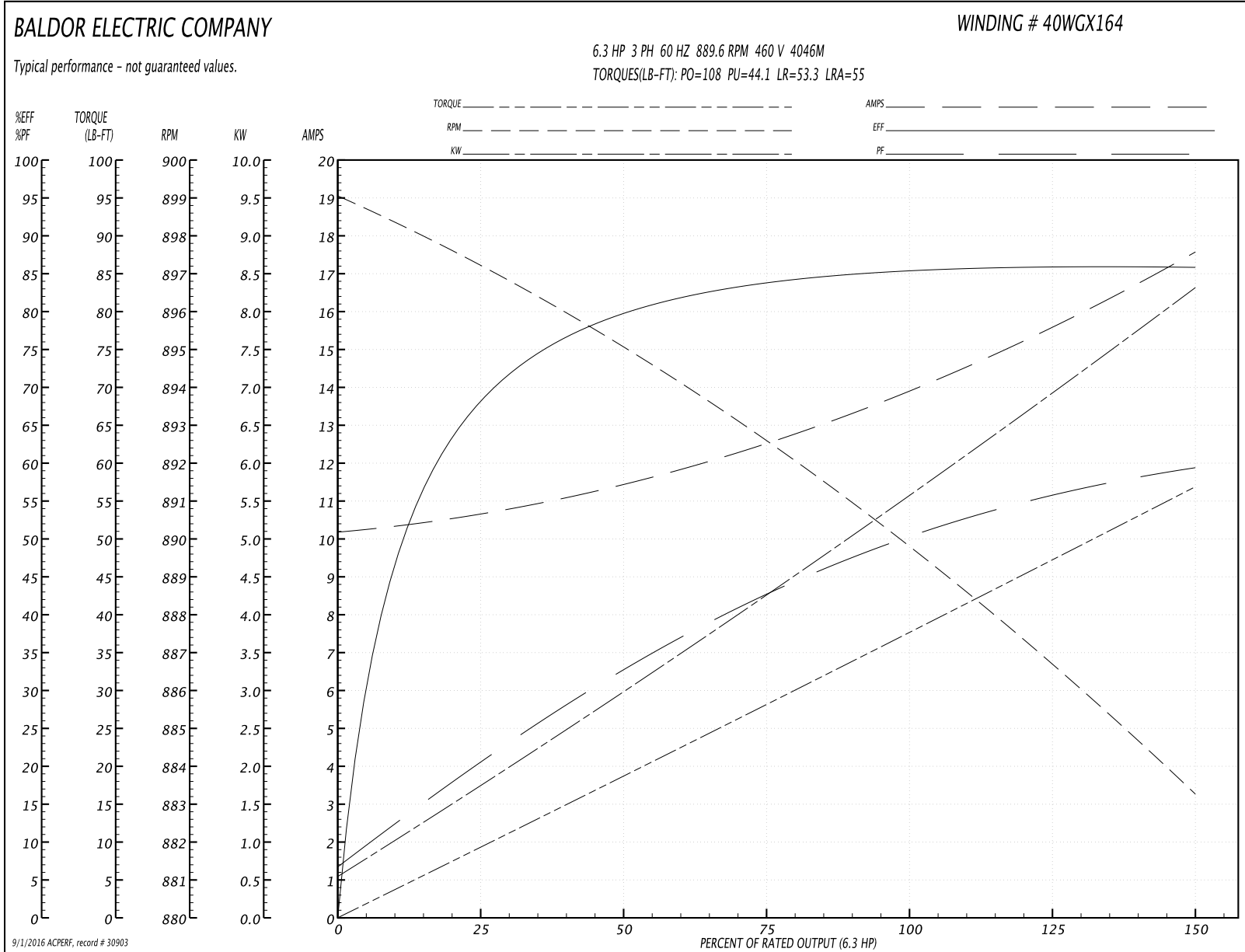
Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	25/6.3			Full Load Torque	37.9 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	34/13.9			Breakdown Torque	108 LB-FT
R.P.M.	1760/870			Pull-up Torque	44.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	53.3 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	55 A
Service Factor (S.F.)	1.15			No-load Current	10.2 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.2454 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	31°C
S.F. Amps				Temp. Rise @ S.F. Load	35°C

Load Characteristics 460 V, 60 Hz, 6.3 HP

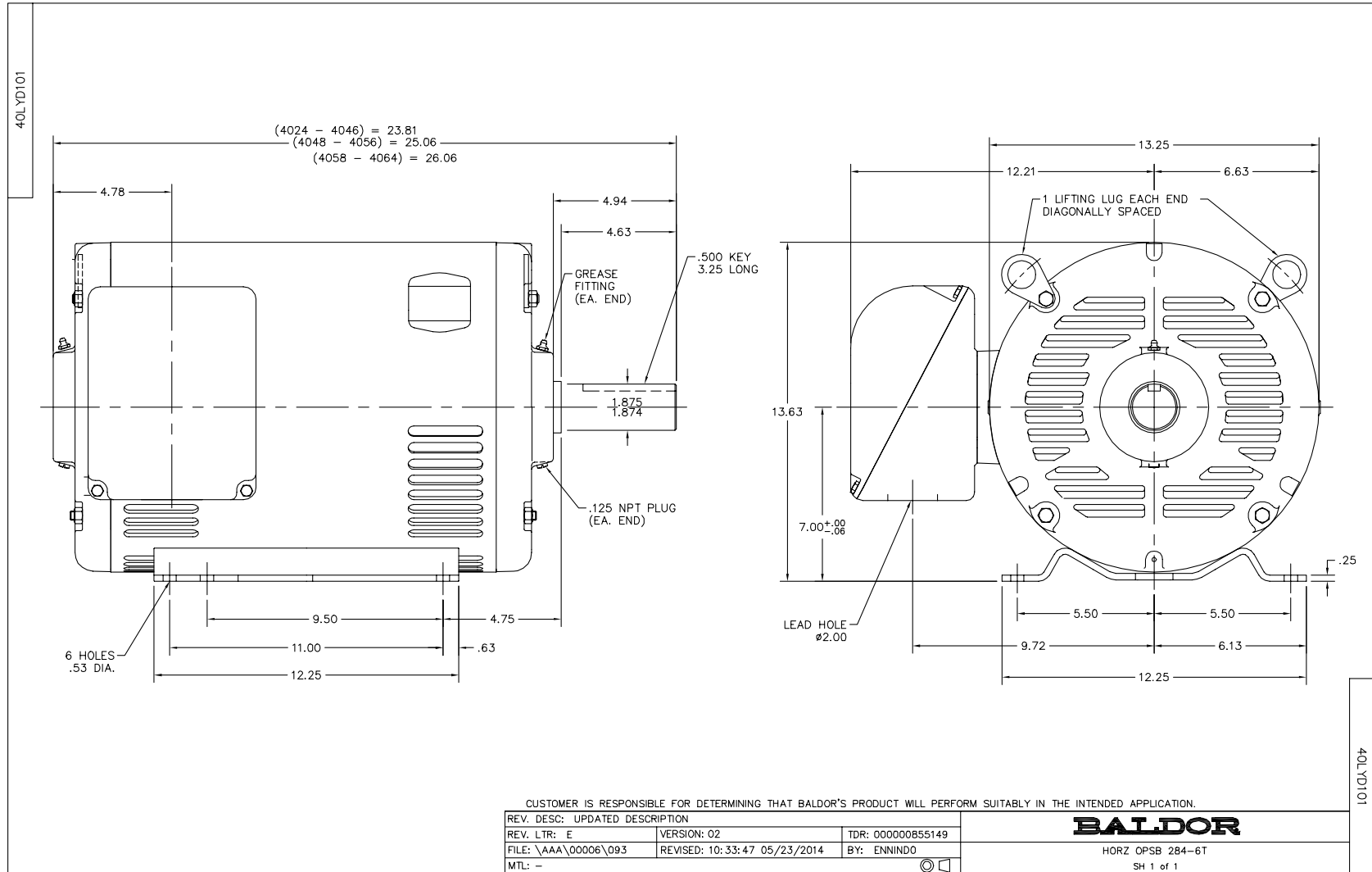
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	21	33	43	50	56	59	54
Efficiency	68.5	79.6	83.6	85.7	86.1	85.7	85.9
Speed	897.3	894.9	892.7	889.6	886.6	883.3	888
Line amperes	10.6	11.5	12.6	13.9	15.6	17.6	14.9

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Performance Graph at 460V, 60Hz, 6.3HP Typical performance - Not guaranteed values



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