

BALDOR® • RELIANCE

Product Information Packet

M1227T

15/6.7HP,1760/1160RPM,3PH,60HZ,284T,4040

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4040M	Elec. Spec:	40WGX175	CD Diagram:	CD0013
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40D101	Layout:	40LYD101
Frame:	284T	Mounting:	F1	Poles:	04/06	Created Date:	02-12-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-29-2014
Leads:	6#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M1227T									
SPEC.	40D101X175									
HP	15/6.7									
VOLTS	460									
AMP	18.1/12.6									
RPM	1760/1160									
FRAME	284T	HZ			60	PH		3		
SER.F.	1.15	CODE			H	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
SA191372	SA 40D101X175	1.000 EA
RA179032	RA 40D101X175	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	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
10CB3000SP	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) 10/13	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
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	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
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

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

AC Induction Motor Performance Data

Record # 30417 - Typical performance - not guaranteed values

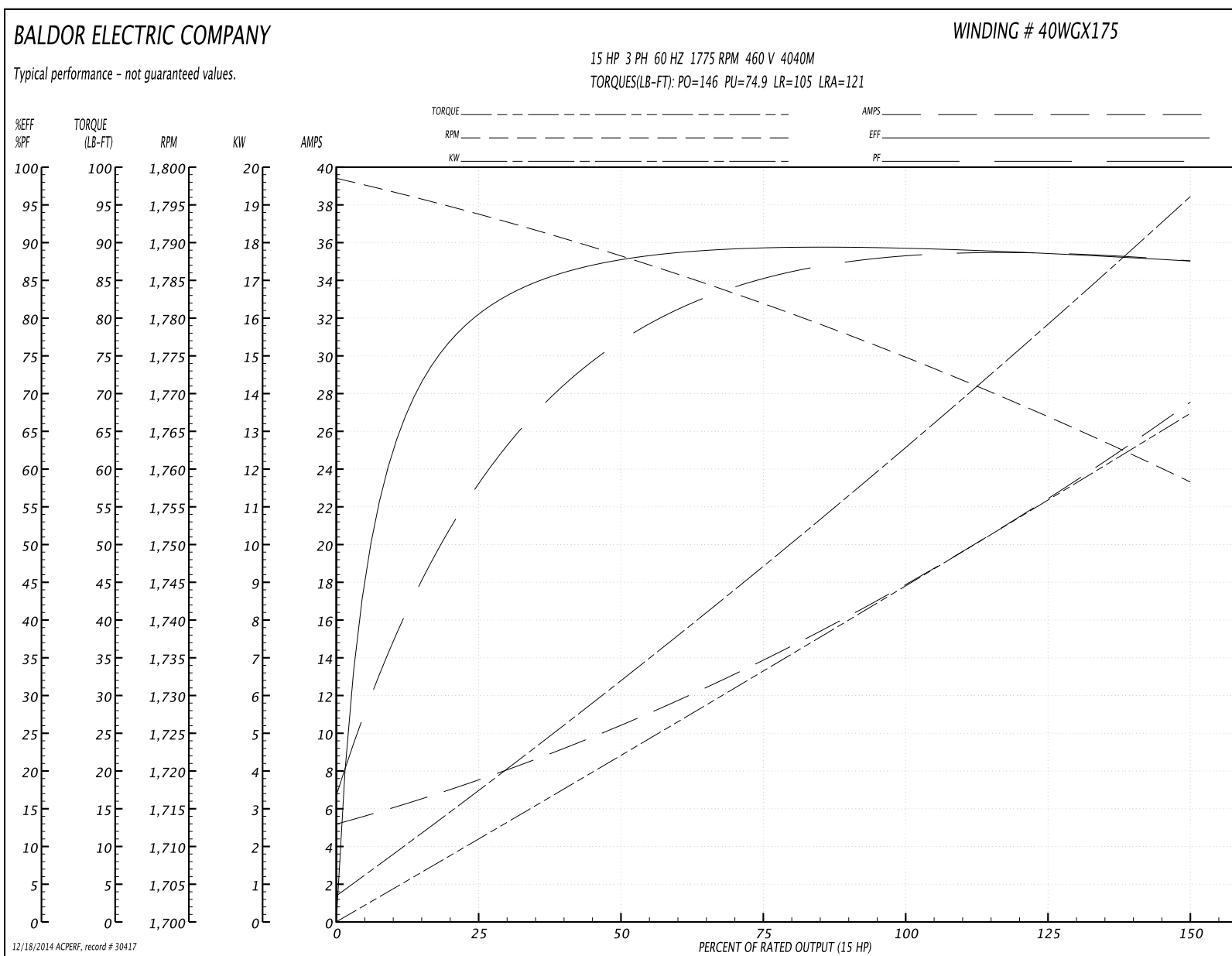
Winding: 40WGX175-R001	Type: 4040M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	15/6.7			Full Load Torque	44.7 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	18.1/12.6			Breakdown Torque	146 LB-FT
R.P.M.	1760/1160			Pull-up Torque	74.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	105 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	121 A
Service Factor (S.F.)	1.15			No-load Current	5.38 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.08 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	31°C
S.F. Amps				Temp. Rise @ S.F. Load	39°C

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	78	85	88	88	88	88
Efficiency	79.6	87.4	89.2	89.7	88.7	87.4	89.1
Speed	1793	1788	1782	1775	1767	1758	1770
Line amperes	7.29	10.4	14	18	22.7	27.4	20.8

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



12/18/2014 ACPERF, record # 30417

AC Induction Motor Performance Data

Record # 30418 - Typical performance - not guaranteed values

Winding: 40WGX175-R001	Type: 4040M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	15/6.7			Full Load Torque	30 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	18.1/12.6			Breakdown Torque	131 LB-FT
R.P.M.	1760/1160			Pull-up Torque	43.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	65.2 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	77.2 A
Service Factor (S.F.)	1.15			No-load Current	9.07 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.35 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	36°C
S.F. Amps				Temp. Rise @ S.F. Load	39°C

Load Characteristics 460 V, 60 Hz, 6.7 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	40	51	59	66	69	63
Efficiency	67.5	79.1	84.2	85.4	87.2	87.8	86.5
Speed	1198	1196	1193	1191	1188	1186	1189
Line amperes	9.52	10.3	11.3	12.6	14.1	15.8	13.5

Performance Graph at 460V, 60Hz, 6.7HP Typical performance - Not guaranteed values

