

BALDOR® • RELIANCE

Product Information Packet

EHM2535T

30HP, 1775RPM, 3PH, 60HZ, 286T, 4060M, OPSB, F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	4060M	Elec. Spec:	40WGX339	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	40J098	Layout:	40LYJ098
Frame:	286T	Mounting:	F1	Poles:	04	Created Date:	05-26-2016
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	01-13-2017
Leads:	9#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2094E06B03	
CAT.NO.	EHM2535T
SPEC.	40J098X339G1
HP	30
VOLTS	230/460
AMPS	72/36
RPM	1775
FRAME	286T
	HZ 60
	PH 3
SER.F.	1.15
	CODE H
	DES A
	CL F
NEMA-NOM-EFF	94.1
	PF 82
RATING	40C AMB-CONT
CC	010A
	USABLE AT 208V 76
DE	6311
	ODE 6309
AUTO	
	MANUAL
	NONE
ENCL	OPSB
	SN
BLANK	

Parts List		
Part Number	Description	Quantity
SA321222	SA 40J098X339G1	1.000 EA
RA308974	RA 40J098X339G1	1.000 EA
S/P107-000-004	SUPER-E(284 FR. & UP)-CL PLANT,POLYREX E	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
40CB4000A01	CONDUIT BOX 40, STAMPED	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	1.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3200B31	PUEP OPEN 311 BRG W/SH GND MTG	1.000 EA
84XN0540J08	5-40 X 1/2" SHCS, BLACK OXIDE	2.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
39CB4500A01	CONDUIT BOX LID 39, STAMPED, W/ PRIMER	1.000 EA
51XF2520A08	SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L	2.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.070 GA
HA3154A06	THRUBOLT STUD 3/8-16 X 19.500	4.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002A01	LEXAN BAFFLE 40 FR OPEN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2094E06B03	NP LABEL W/BARCODE (PREM EFF HVAC MTR)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 56978 - Typical performance - not guaranteed values

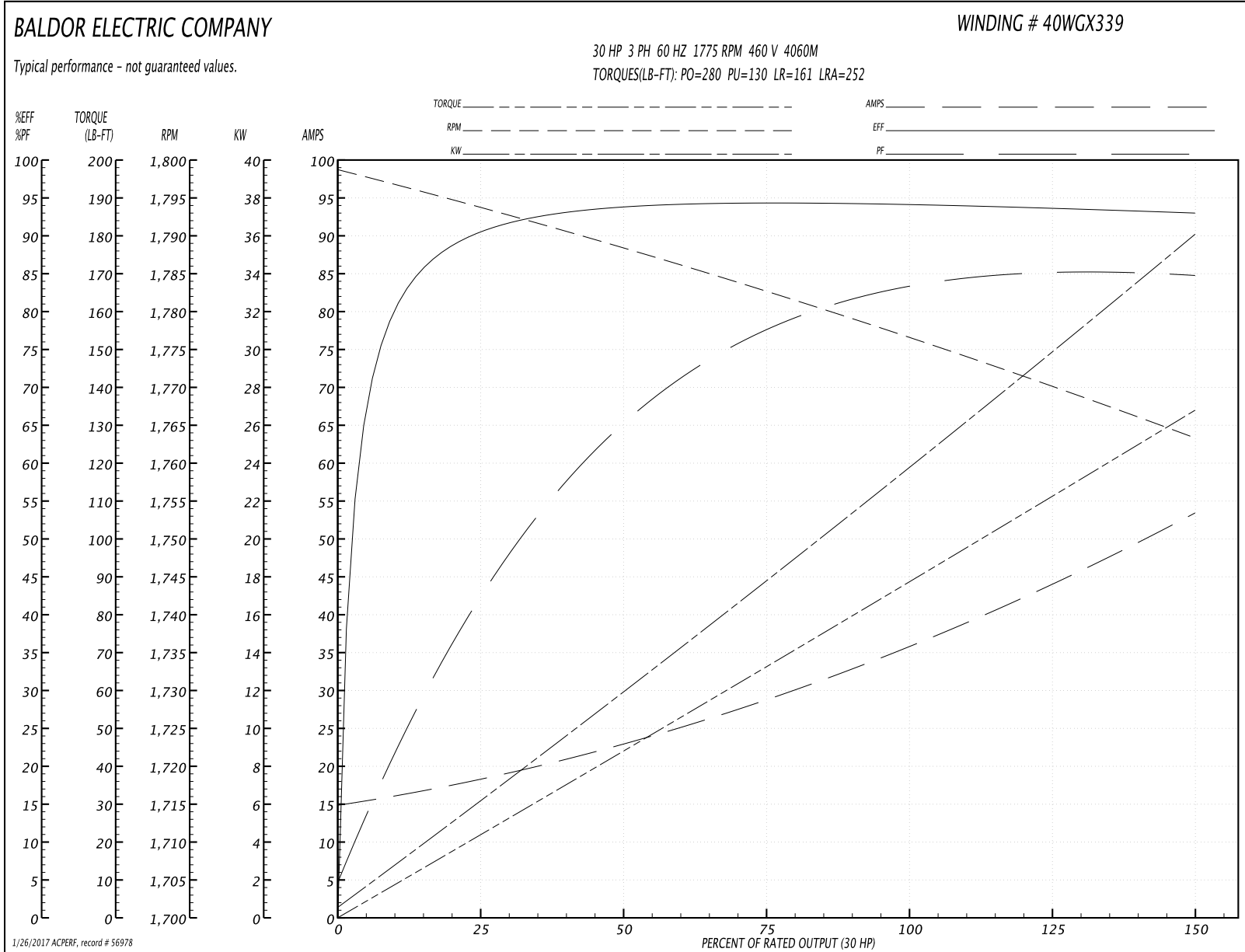
Winding: 40WGx339-R001	Type: 4060M	Enclosure: OPSB
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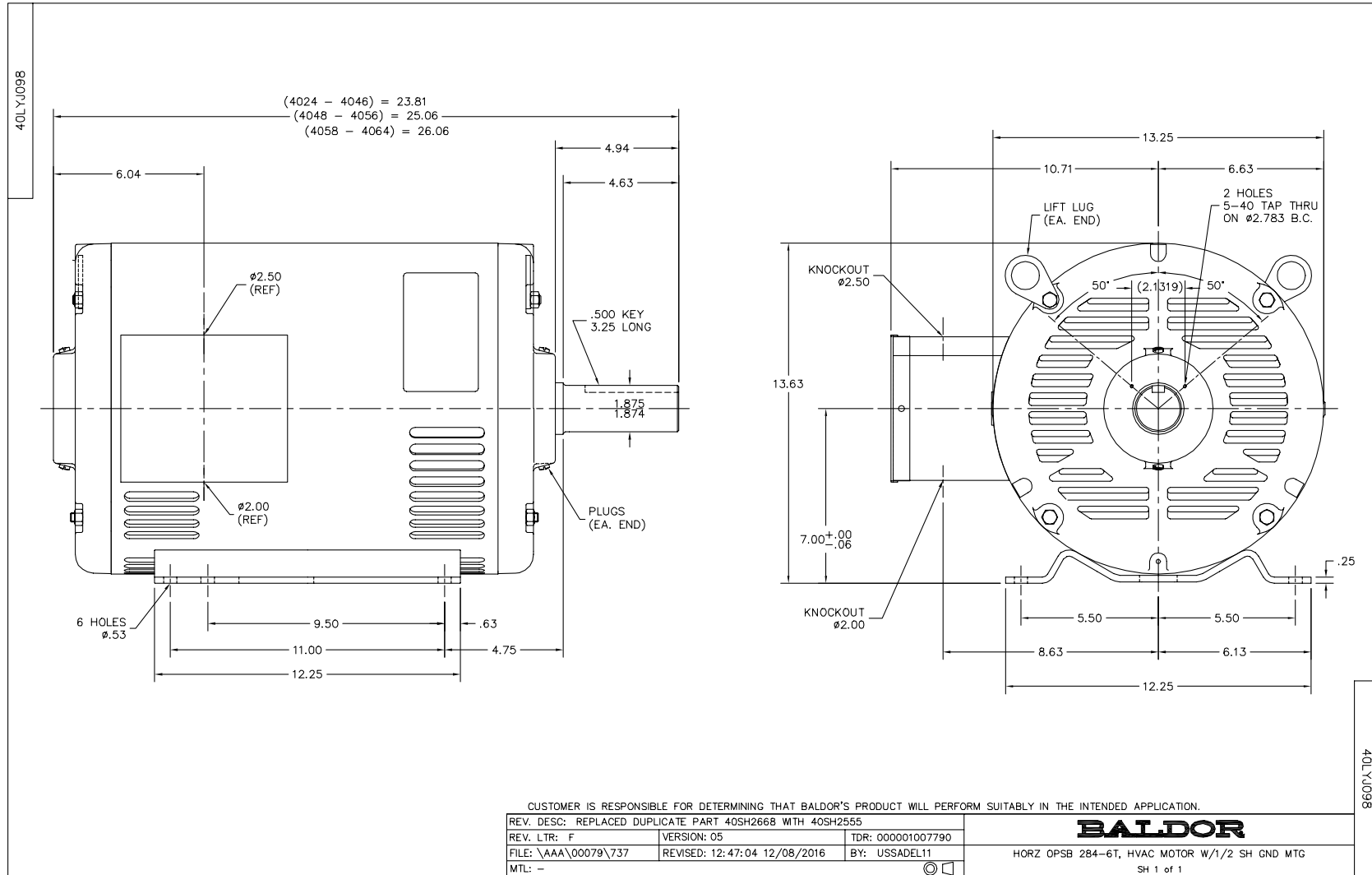
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	30			Full Load Torque	88.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	72/36			Breakdown Torque	280 LB-FT
R.P.M.	1775			Pull-up Torque	130 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	161 LB-FT
NEMA Design Code	A	KVA Code	H	Starting Current	252 A
Service Factor (S.F.)	1.15			No-load Current	15.4 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	0.22043 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	29°C
S.F. Amps				Temp. Rise @ S.F. Load	35°C
				Locked-rotor Power Factor	31.4

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	67	77	82	85	85	84
Efficiency	90.5	93.8	94.4	94.3	93.9	93.2	94.1
Speed	1793.6	1788.1	1782.5	1776.9	1770.4	1763.1	1773
Line amperes	17.7	22.5	29	36.3	44.3	53	41.1

Performance Graph at 460V, 60Hz, 30.0HP 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

90000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>