

BALDOR® • RELIANCE

Product Information Packet

M2538T-8

40HP,3500RPM,3PH,60HZ,286TS,3946M,OPSB

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3946M	Elec. Spec:	39WGX291	CD Diagram:	CD0695
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39L35	Layout:	39LYL035
Frame:	286TS	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	12-01-2011
Leads:	6#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M2538T-8									
SPEC.	39L035X291									
HP	40									
VOLTS	200									
AMP	104									
RPM	3500									
FRAME	286TS	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	B
NEMA-NOM-EFF	91.7	PF			91					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			101					
DE	6311	ODE			6208					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA081411	SA 39L035X291	1.000 EA
RA074773	RA 39L035X291	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
09CB2800A03	ADAPTER MACH FOR 10CB3000	1.000 EA
84XN3118J08	5/16-18 X 1/2 SOC HD CAP SCREW	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
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3202A01	ENDPLATE MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	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
HW2501G17	KEY, 3/8 SQ X 1.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 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
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407A04	#4-7 X 1/4 DRIVE PIN	2.000 EA
HA3154A04	THRUBOLT STUD 3/8-16 X 18.750	4.000 EA
39AD2002B01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0695	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-1403	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 21030 - Typical performance - not guaranteed values

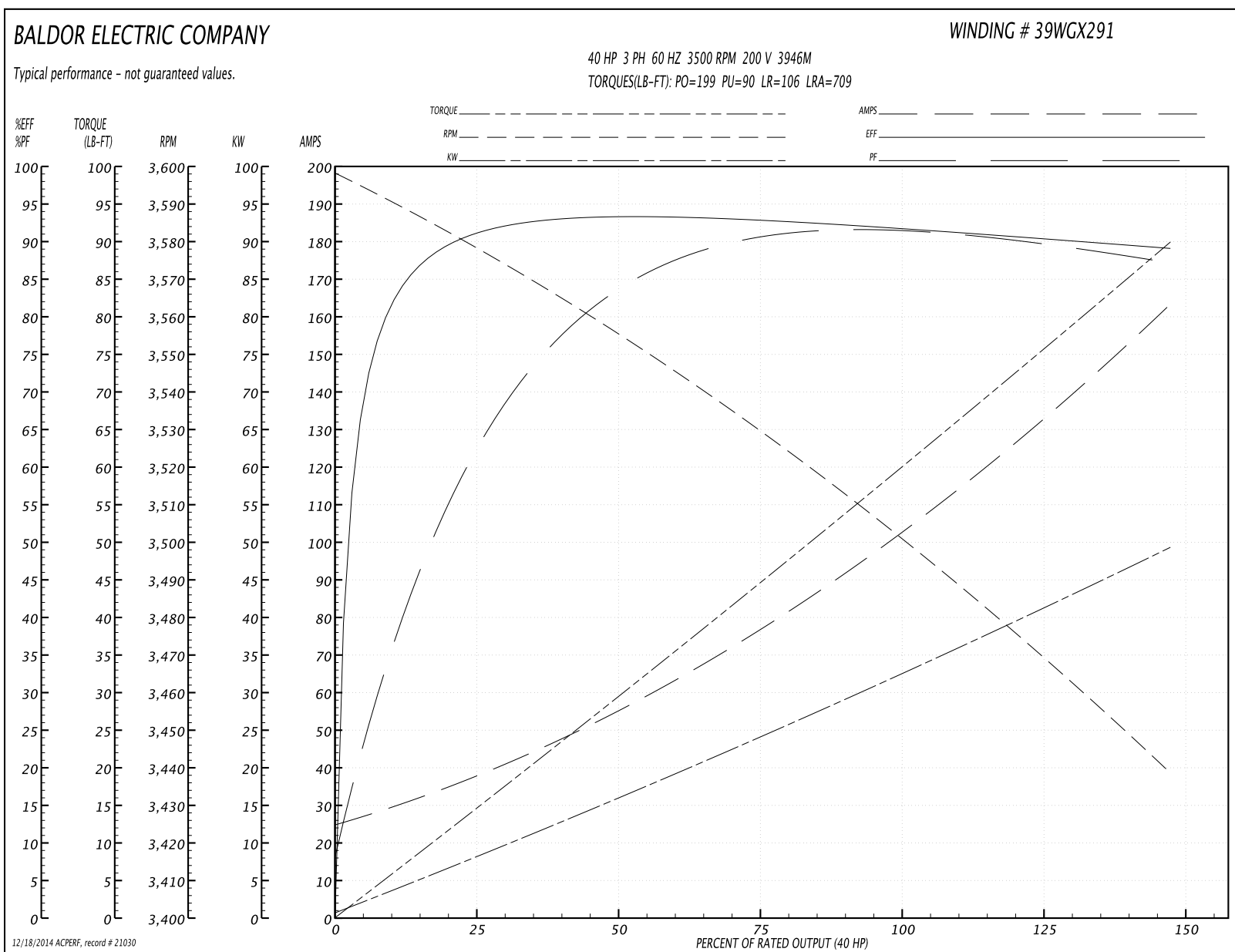
Winding: 39WGX291-R001	Type: 3946M	Enclosure: OPSB
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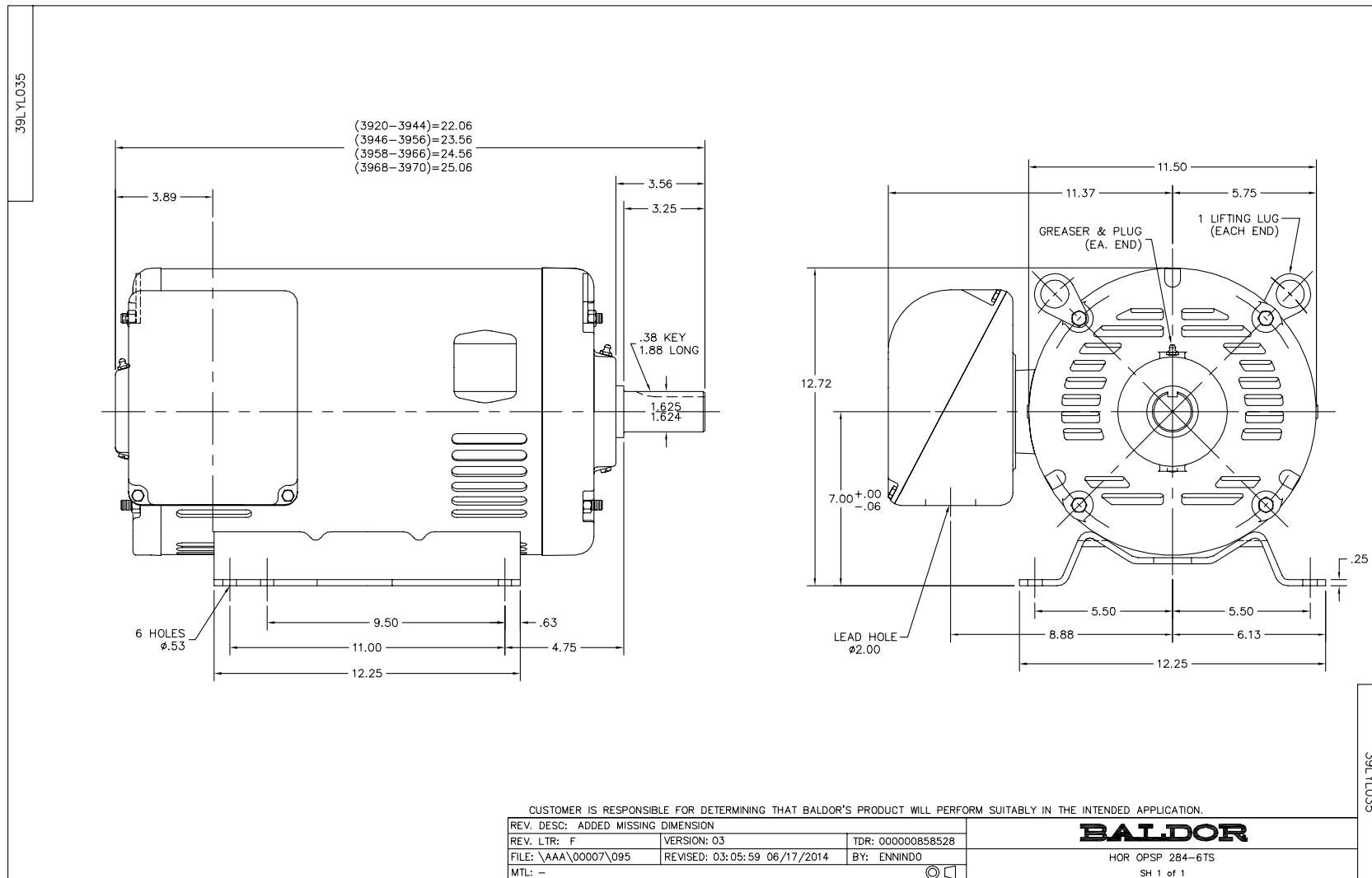
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	40			Full Load Torque	60 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	104			Breakdown Torque	199 LB-FT
R.P.M.	3500			Pull-up Torque	90 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	106 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	709 A
Service Factor (S.F.)	1.15			No-load Current	26.2 A
NEMA Nom. Eff.	91.7	Power Factor	91	Line-line Res. @ 25°C	0.046 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C
				Rotor inertia	1.17 LF ²

Load Characteristics 200 V, 60 Hz, 40 HP

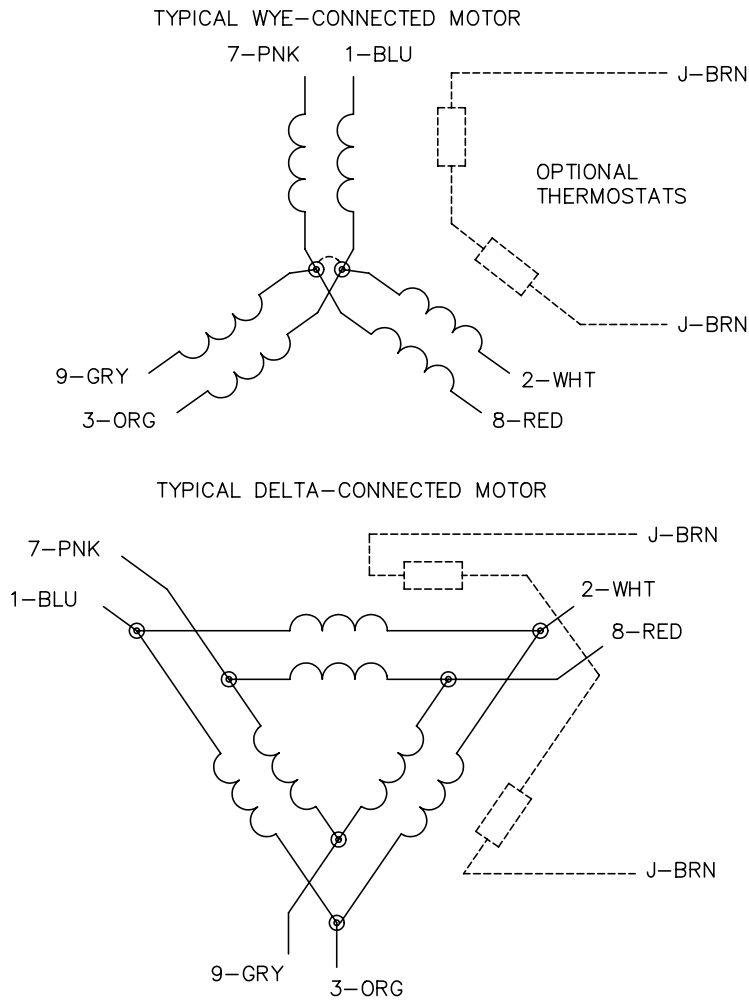
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	67	85	90	91	90	87	90
Efficiency	90.6	93	92.8	91.9	90.6	89	91.1
Speed	3577	3554	3529	3502	3471	3438	3483
Line amperes	36	55.2	78.2	104	131	163	120

Performance Graph at 200V, 60Hz, 40.0HP Typical performance - Not guaranteed values

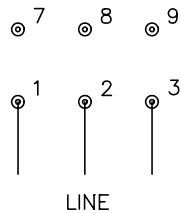




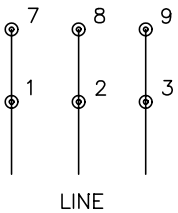
CD0695



START CONNECTION



RUN CONNECTION



- NOTES:
1. MOTOR MAY BE 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 ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 01/21/99 3:19	TDR: 0171435
9690D0		FILE: AAA00005151	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START

CD0695