

BALDOR® • RELIANCE

Product Information Packet

M2516T-8

25HP,3525RPM,3PH,60HZ,256T,3932M,OPSB,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3932M	Elec. Spec:	39GW666	CD Diagram:	CD0695
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39D101	Layout:	39LYD101
Frame:	256T	Mounting:	F1	Poles:	02	Created Date:	05-10-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	12-15-2014
Leads:	6#10					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M2516T-8									
SPEC.	39D101W666H1									
HP	25									
VOLTS	200									
AMP	68									
RPM	3525									
FRAME	256T	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	B
NEMA-NOM-EFF	91	PF			87					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V			66.8					
DE	6309	ODE			6208					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA194630	SA 39D101W666H1	1.000 EA
RA182216	RA 39D101W666H1	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	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
39EP3201A13	PU ENDPLATE, MACH	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	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
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
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
39AD2002B01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002B01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 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
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-3400	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 12856 - Typical performance - not guaranteed values

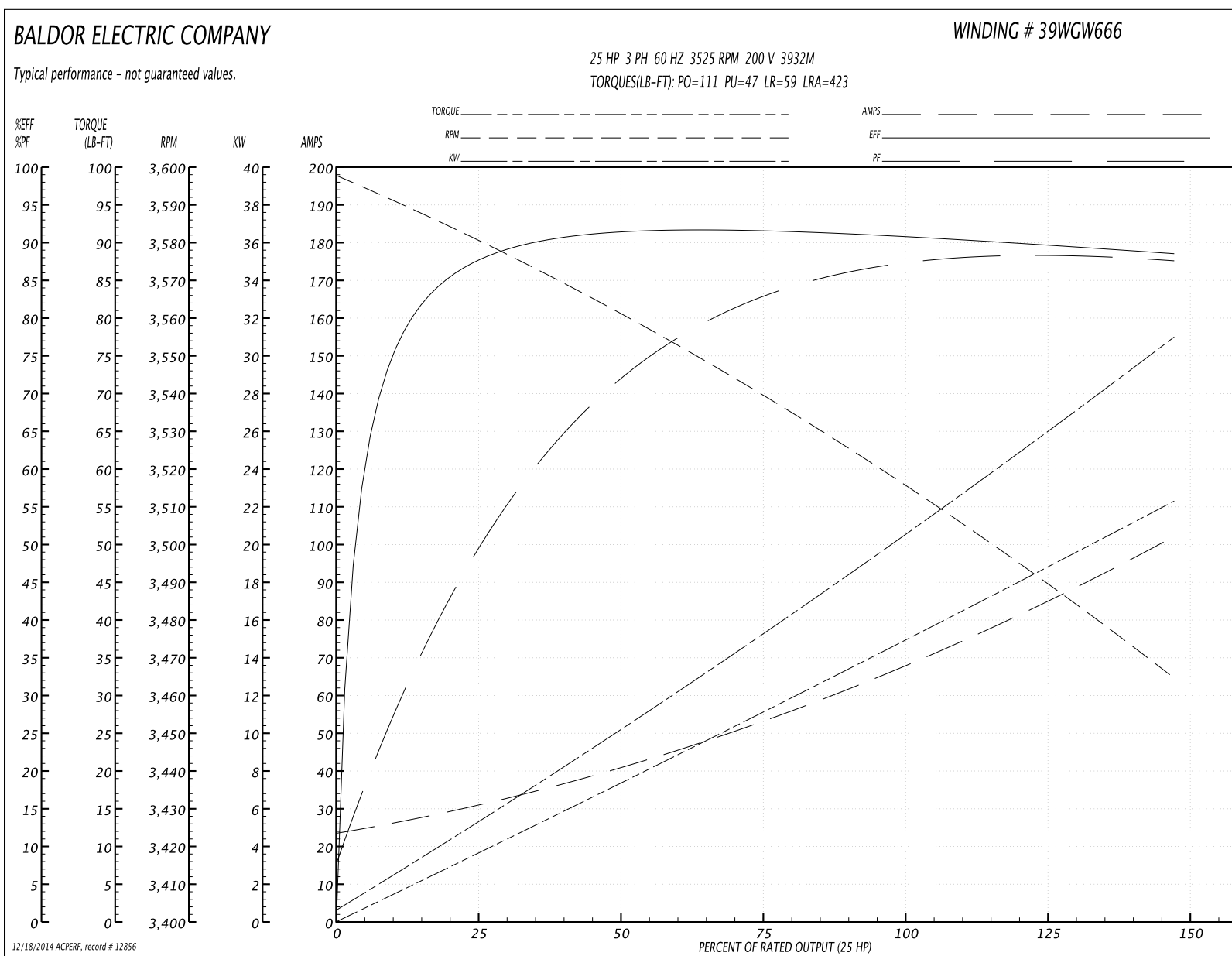
Winding: 39WGW666-R001	Type: 3932M	Enclosure: OPSB
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Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	25			Full Load Torque	37.2 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	68			Breakdown Torque	111 LB-FT
R.P.M.	3525			Pull-up Torque	47 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	59 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	423 A
Service Factor (S.F.)	1.15			No-load Current	24.4 A
NEMA Nom. Eff.	91	Power Factor	87	Line-line Res. @ 25°C	0.0863 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Rotor inertia	0.817 LF ²

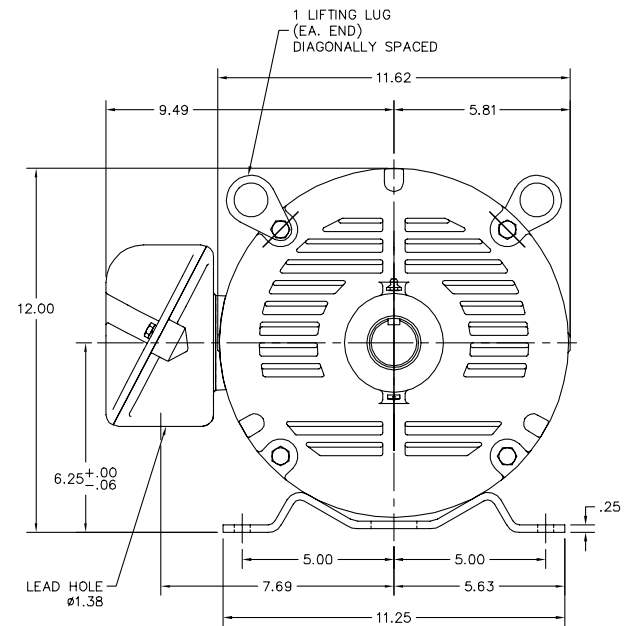
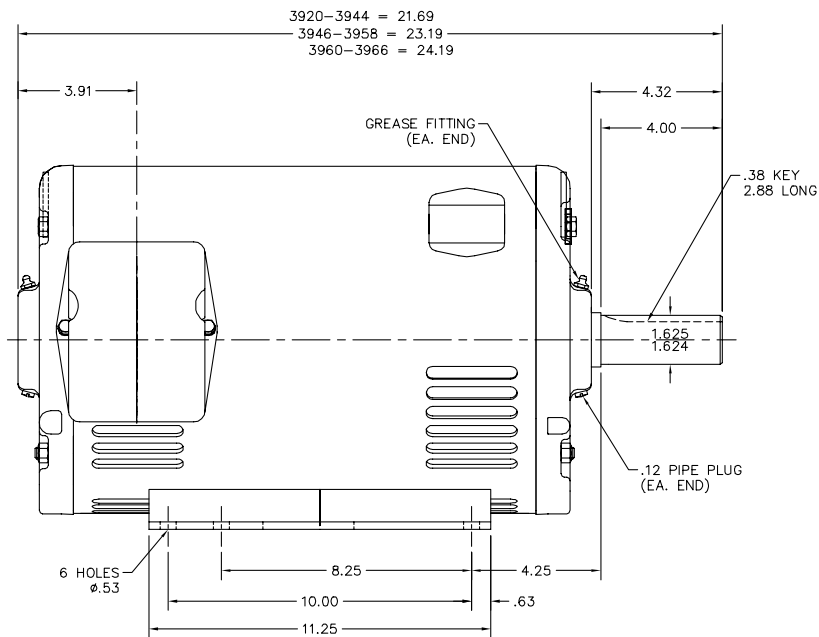
Load Characteristics 200 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	52	74	82	86	88	88	87
Efficiency	87.3	91.1	91.5	91	89.9	88.4	90.3
Speed	3579	3560	3539	3517	3493	3463	3503
Line amperes	29.9	40.5	53.7	68.4	84.4	101.6	78

Performance Graph at 200V, 60Hz, 25.0HP Typical performance - Not guaranteed values



39LYD101



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATED DESCRIPTION	VERSION: 07	TDR: 000000855149
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MTL: -		

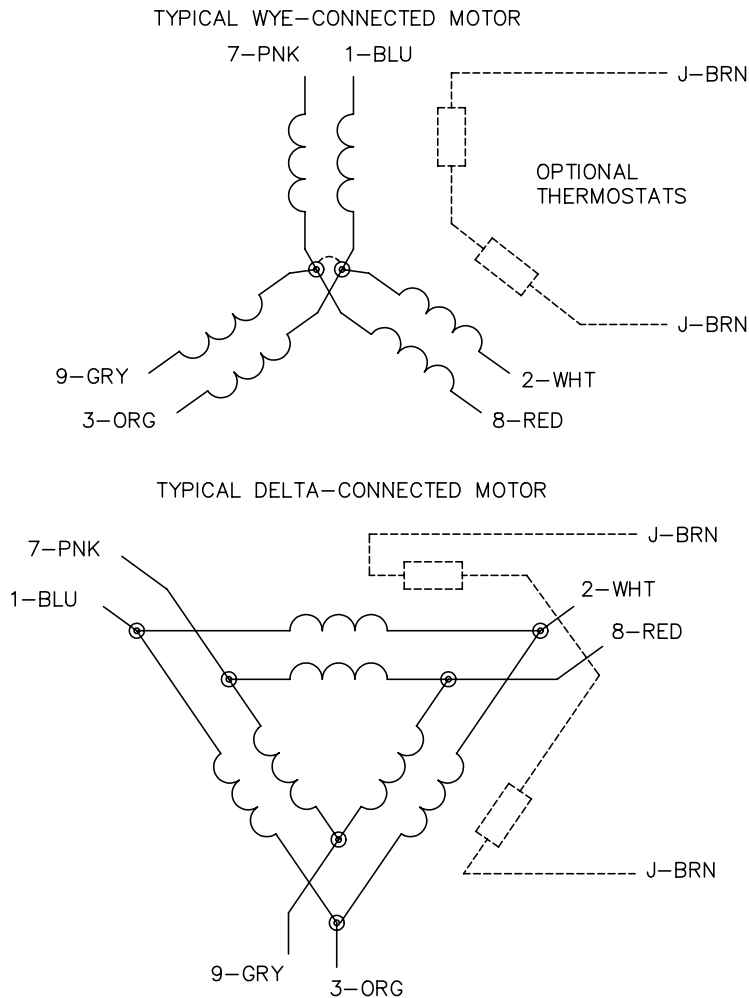
BALDOR

HORZ OPSB 254-6T

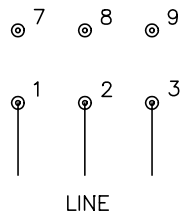
SH 1 of 1

39LYD101

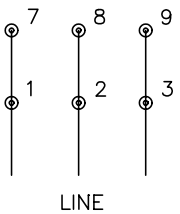
CD0695



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