

BALDOR® • RELIANCE

Product Information Packet

M2510

10HP,1760RPM,3PH,60HZ,256U,3924M,OPSB,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3728M	Elec. Spec:	37WGR295	CD Diagram:	CD0005
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	37N180	Layout:	37LYN180
Frame:	256U	Mounting:	F1	Poles:	04	Created Date:	05-24-2012
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	06-13-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M2510									
SPEC.	37N180R295H2									
HP	10									
VOLTS	230/460									
AMP	26.8/13.4									
RPM	1755									
FRAME	256U	HZ			60	PH		3		
SER.F.	1.15	CODE			G	DES		B	CLASS	B
NEMA-NOM-EFF	87.5	PF			79					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			28					
DE	6309	ODE			6206					
ENCL	OPSB	SN								

Parts List		
Part Number	Description	Quantity
SA245136	SA 37N180R295H2	1.000 EA
RA232023	RA 37N180R295H2	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP	2.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
HA6429	KO BOX ADAPTER REXITE	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
37EP3200A01SP	FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3202A01	STD PULLEY EP MODEL 37 OPEN 309 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501F24	KEY, 5/16 SQ X 2.750	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.028 GA
HA3104A52	THRUBOLT, .31-18 X 17.000	4.000 EA
37AD2001D01	BAFFLE PLATE, STAMPED STL	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
37PA1052	PALLET PACK GRP, 150 LB MTR 2 X 4 RUNNER	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

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

AC Induction Motor Performance Data

Record # 39075 - Typical performance - not guaranteed values

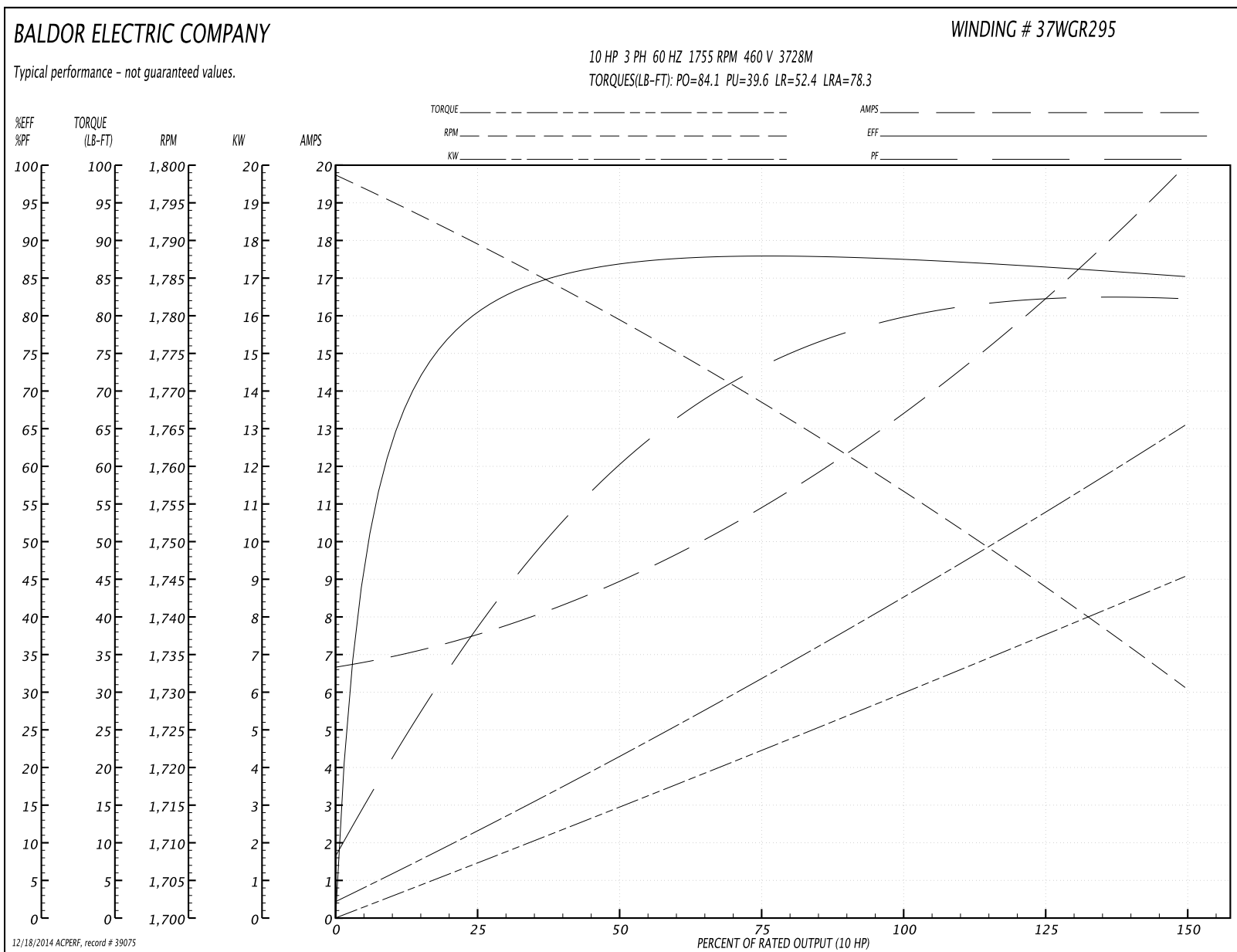
Winding: 37WGR295-R001	Type: 3728M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	10			Full Load Torque	29.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	26.8/13.4			Breakdown Torque	84.1 LB-FT
R.P.M.	1755			Pull-up Torque	39.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	52.4 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	78.3 A
Service Factor (S.F.)	1.15			No-load Current	6.81 A
NEMA Nom. Eff.	87.5	Power Factor	79	Line-line Res. @ 25°C	1.46 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps				Temp. Rise @ S.F. Load	75°C
				Rotor inertia	0.689 LF ²

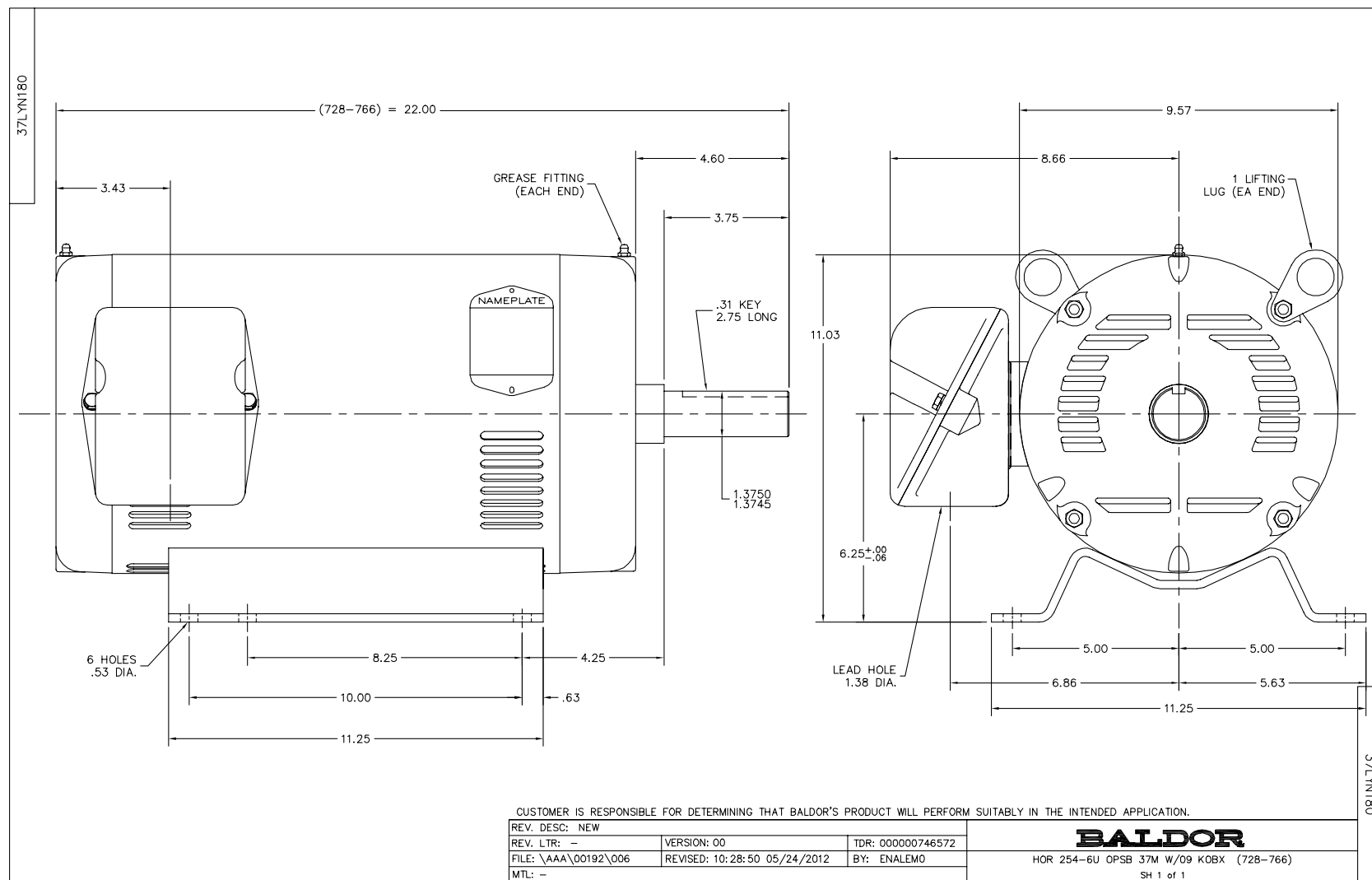
Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	61	72	79	82	83	81
Efficiency	80.6	86.8	87.6	87.8	86.7	85.1	87.1
Speed	1789	1779	1769	1757	1745	1730	1750
Line amperes	7.36	8.87	10.9	13.4	16.5	19.9	15.3

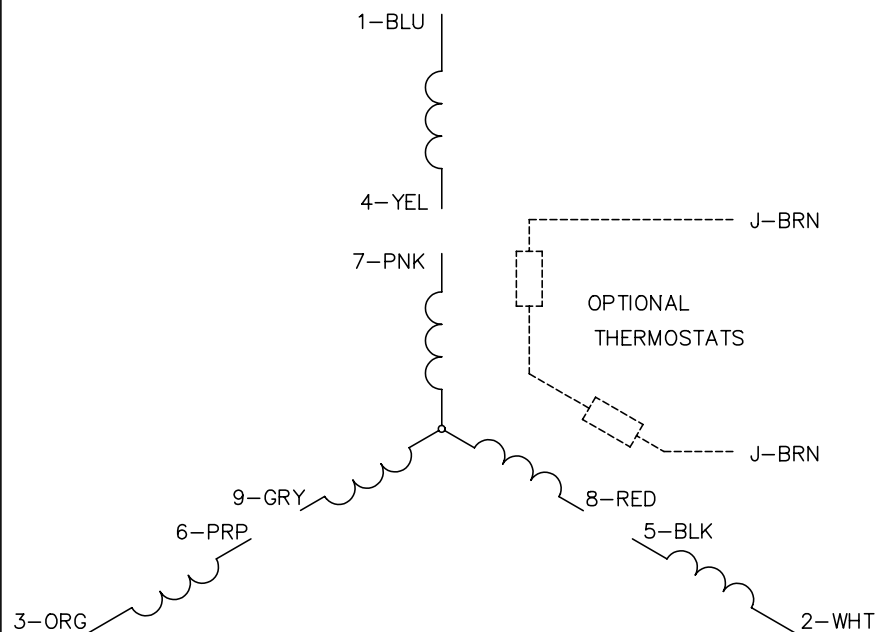
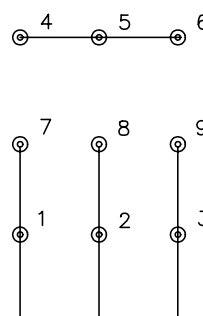
Performance Graph at 460V, 60Hz, 10.0HP Typical performance - Not guaranteed values



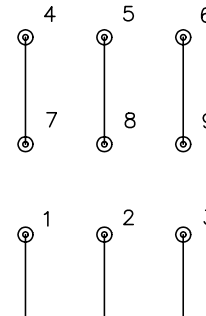
12/18/2014 ACPERF, record # 39075



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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005