

BALDOR® • RELIANCE

Product Information Packet

EM2515T-8G

20HP,1765RPM,3PH,60HZ,256T,3948M,OPSB,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3948M	Elec. Spec:	39WGX981	CD Diagram:	CD0695
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	39E366	Layout:	39LYE366
Frame:	256T	Mounting:	F1	Poles:	04	Created Date:	06-20-2016
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	11-11-2016
Leads:	6#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	EM2515T-8G												
SPEC.	39E366X981G1												
HP	20												
VOLTS	200												
AMP	55												
RPM	1765												
FRAME	256T					HZ	60					PH	3
SER.F.	1.15				CODE	G		DES	A		CL	H	
NEMA-NOM-EFF	93					PF	85						
RATING	40C AMB-CONT												
CC	010A									USABLE AT 208V			
DE	6309					ODE	6208						
ENCL	OPSB				SN								

Parts List		
Part Number	Description	Quantity
SA322713	SA 39E366X981G1	1.000 EA
RA310512	RA 39E366X981G1	1.000 EA
S/P107-000-005	SUPER-E PROC'S(254/6 FR.) ZK PLANT - POL	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 EA
09CB3002	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
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3201A22	PU ENDPLATE, MACH	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
09CB3501	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
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.030 LB

Parts List (continued)		
Part Number	Description	Quantity
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0695	CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
39PA1000	PACKAGING GROUP 39 PRINT	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1350	BAR CODE LABEL FOR YORK	1.000 EA

AC Induction Motor Performance Data

Record # 57710 - Typical performance - not guaranteed values

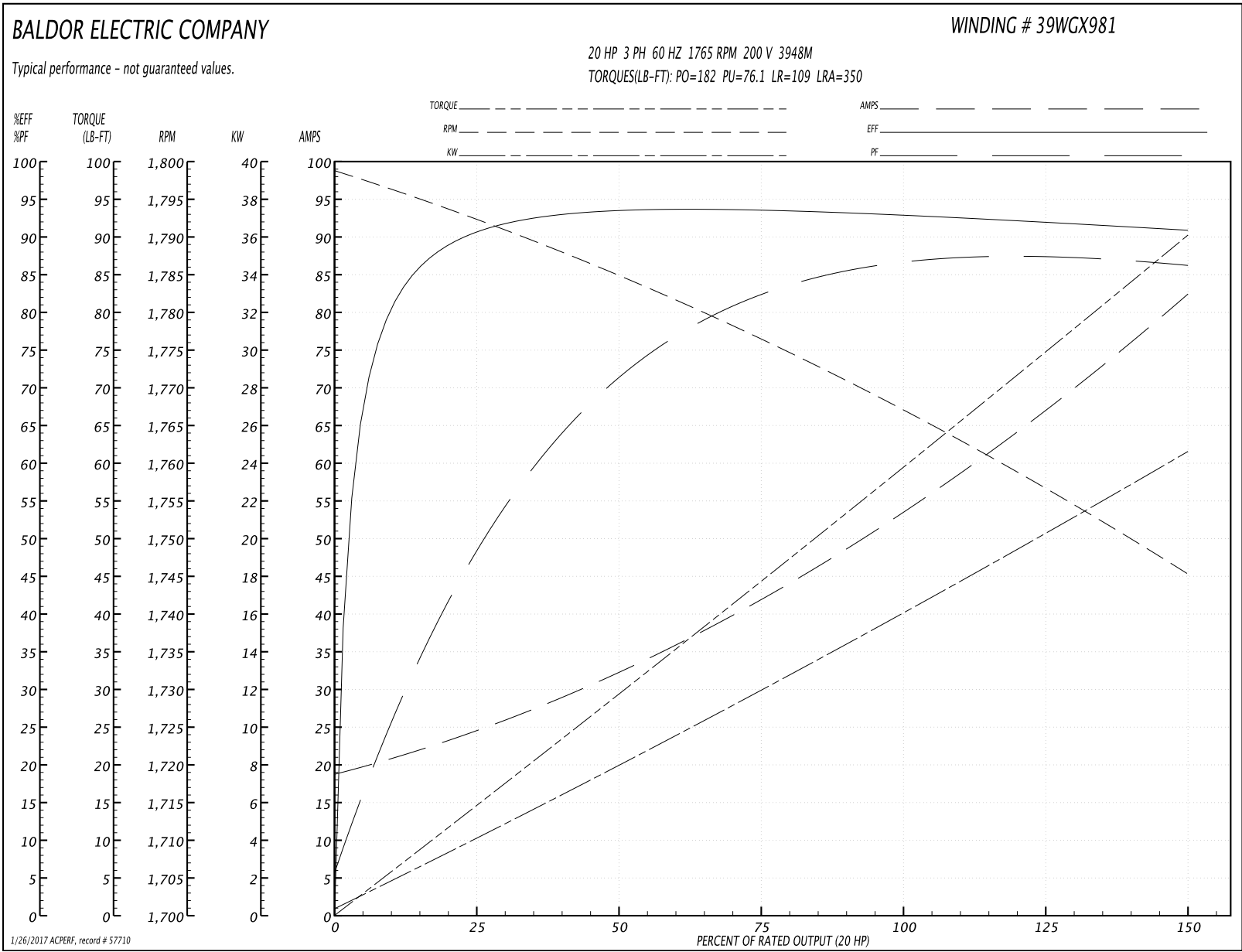
Winding: 39WGX981-R002	Type: 3948M	Enclosure: OPSB
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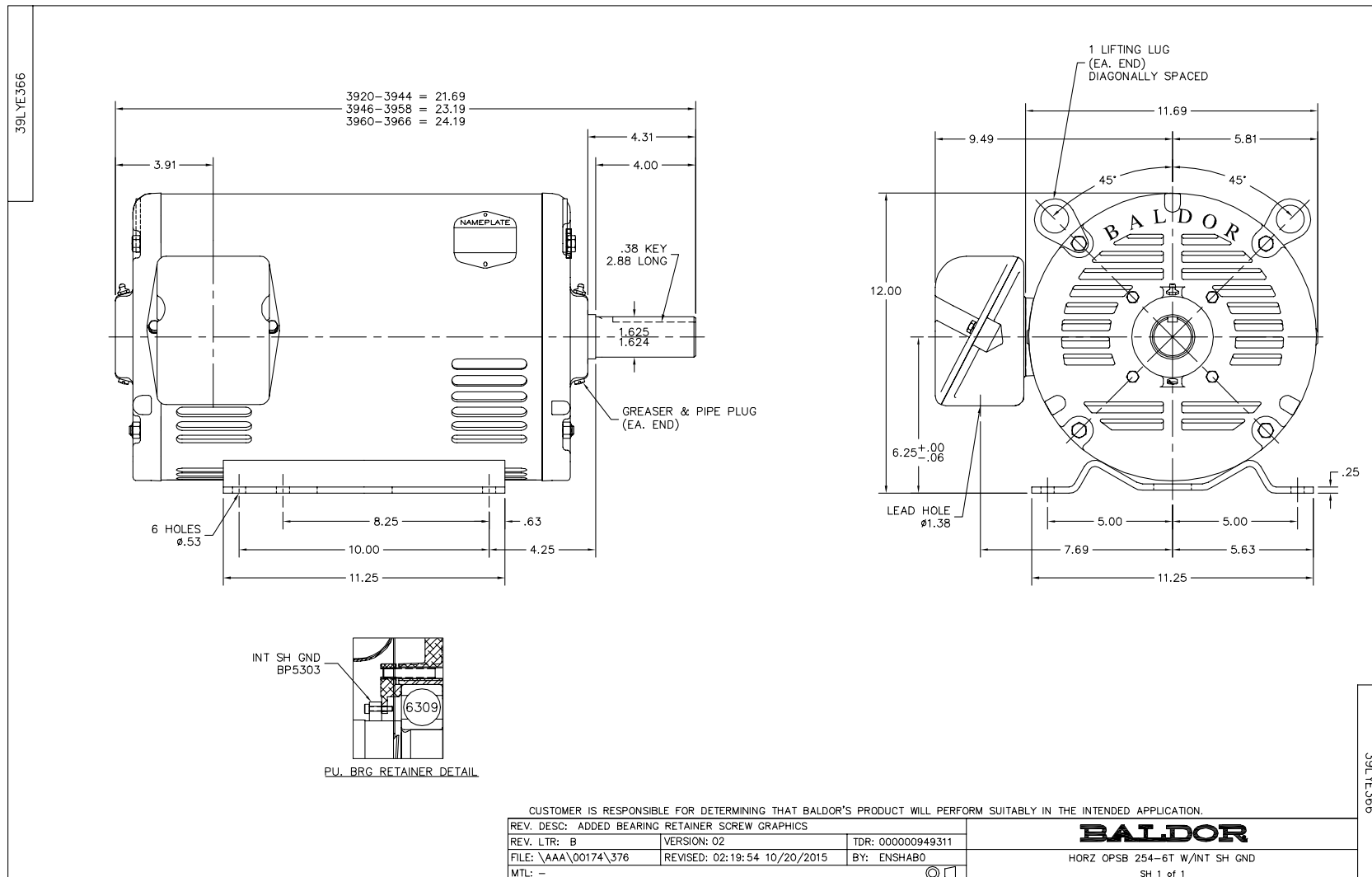
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	20			Full Load Torque	59.8 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	55			Breakdown Torque	182 LB-FT
R.P.M.	1765			Pull-up Torque	76.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	109 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	350 A
Service Factor (S.F.)	1.15			No-load Current	19.6 A
NEMA Nom. Eff.	93	Power Factor	85	Line-line Res. @ 25°C	0.0886 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	37°C
S.F. Amps				Temp. Rise @ S.F. Load	46°C
				Locked-rotor Power Factor	33.3
				Rotor inertia	2.1 LB-FT ²

Load Characteristics 200 V, 60 Hz, 20 HP

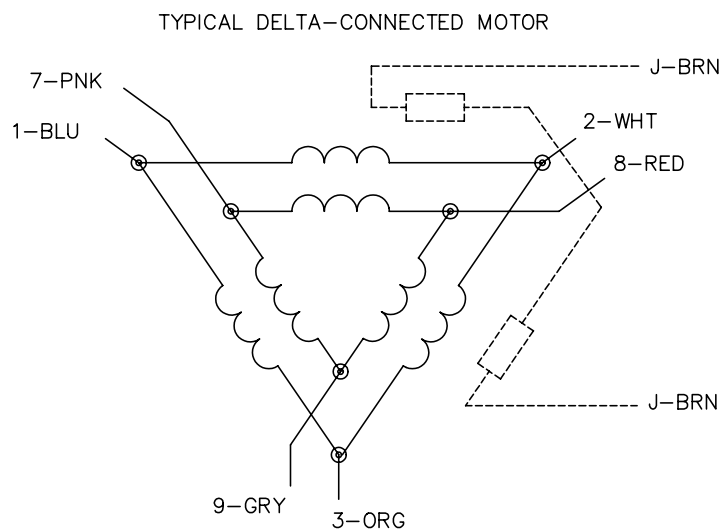
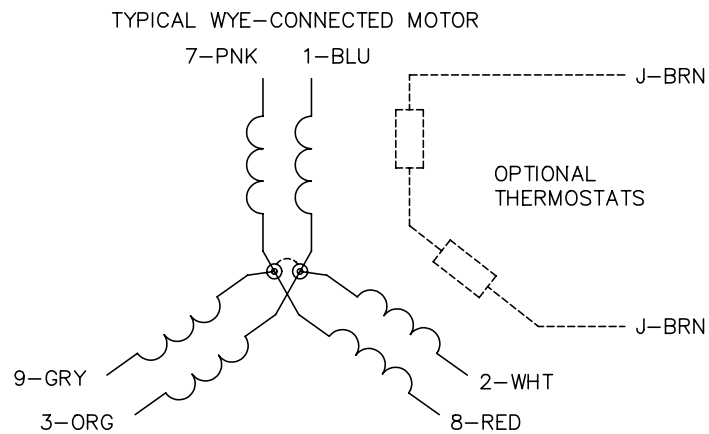
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	73	82	85	87	87	86
Efficiency	90.5	93.3	93.5	93.1	92.1	90.8	92.5
Speed	1792	1785	1776	1767	1757	1745	1761
Line amperes	23.5	31.7	42.4	54.5	67.5	81.9	62.3

Performance Graph at 200V, 60Hz, 20.0HP Typical performance - Not guaranteed values

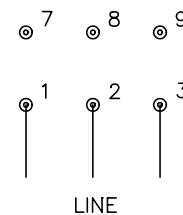




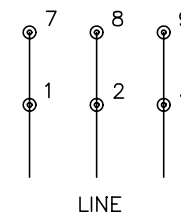
CD0695



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

969000

FILE: AAA00005151

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, PART WINDING START

CD0695

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