

BALDOR® • RELIANCE

Product Information Packet

JWDM3463

.75HP,3450RPM,3PH,60HZ,56J,3513M,TEFC,F1

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3513M	Elec. Spec:	35WG0081	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2235	Layout:	35LYE2235
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	10-15-2013
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-04-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	JWDM3463											
SPEC.	35E2235-0081G1											
HP	.75											
VOLTS	208-230/460											
AMP	3-2.8/1.4											
RPM	3450											
FRAME	56J				HZ		60				PH	3
SER.F.	1.50			CODE	L	DES		B		CLASS	F	
NEMA-NOM-EFF	68			PF	74							
RATING	40C AMB-CONT											
CC				USABLE AT 208V								3.8
DE	6205				ODE		6203					
ENCL	TEFC			SN								
	SFA 3.8-3.6/1.8											

Parts List		
Part Number	Description	Quantity
SA271229	SA 35E2235-0081G1	1.000 EA
RA257859	RA 35E2235-0081G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M87MW	FREP TEFC,"O" DRILLS,NO GRSR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
35FH4005A55	IEC FH NO GRSR,3 MTG HOLE NO DIMPLES,	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
WD4100A10	465 NIAGARA PLUG (SO ELEC),FOR 1.093 DIA	1.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
RM1010A12	.437 I.D. 1" VINYL CAP (SHORT) MOCAP	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.017 GA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.017 GA
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.014 GA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 43679 - Typical performance - not guaranteed values

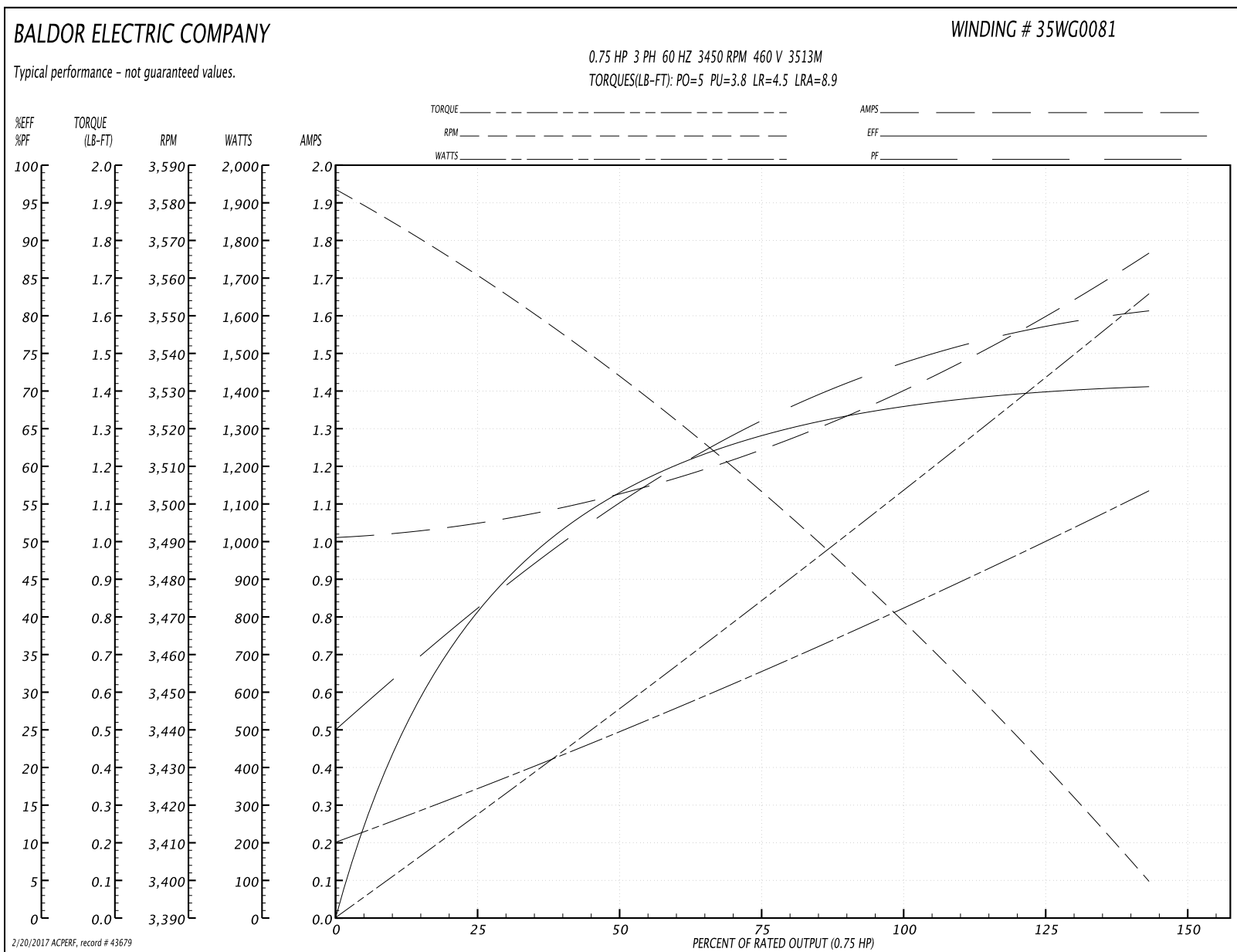
Winding: 35WG0081-R059	Type: 3513M	Enclosure: TEFC
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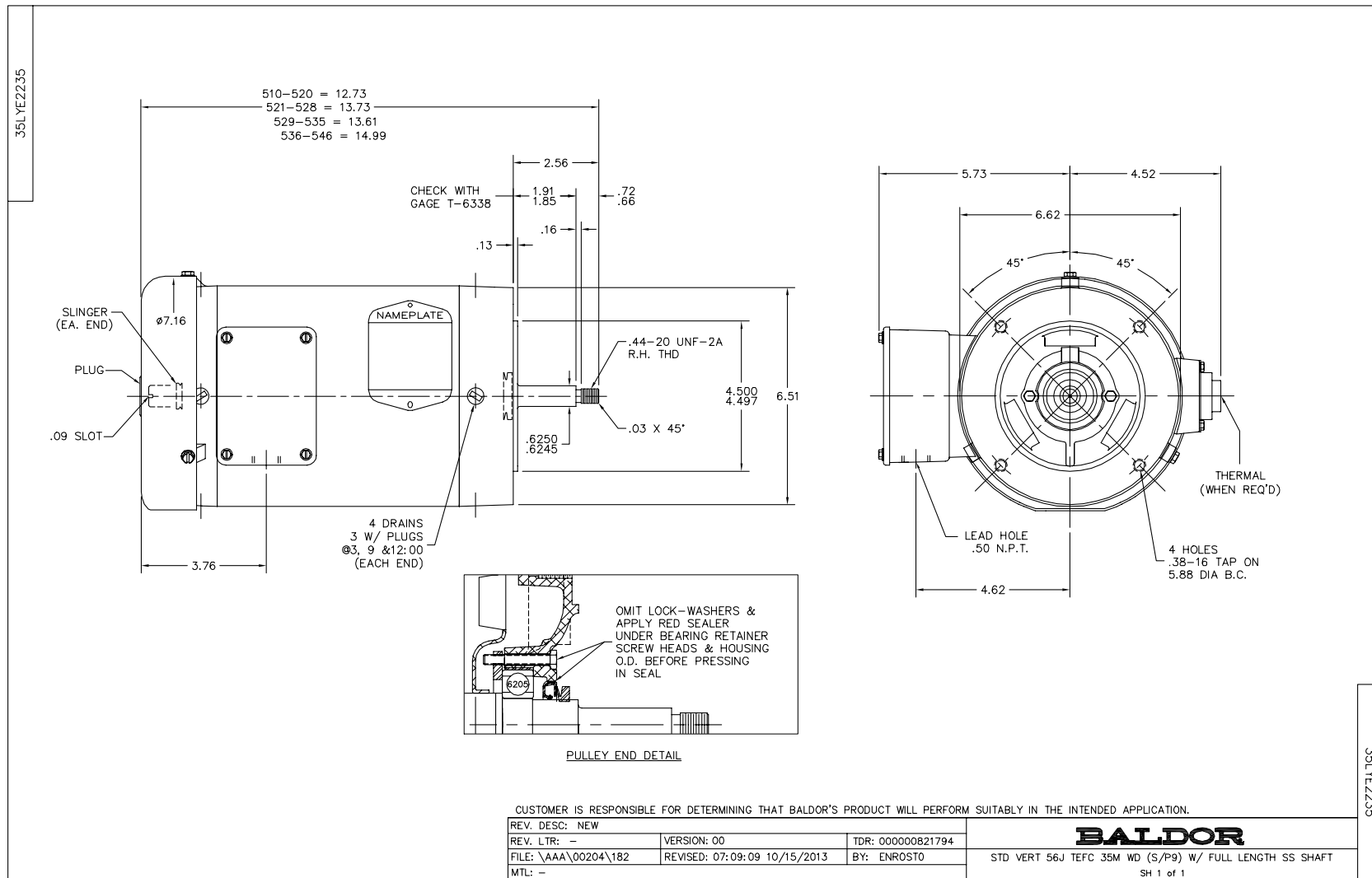
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.11 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3-2.8/1.4			Breakdown Torque	5 LB-FT
R.P.M.	3450			Pull-up Torque	3.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	4.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	8.9 A
Service Factor (S.F.)	1.5			No-load Current	1 A
NEMA Nom. Eff.	68	Power Factor	74	Line-line Res. @ 25°C	18.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	46°C
S.F. Amps	3.8-3.6/1.8			Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	69
				Rotor inertia	0.036 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.75 HP

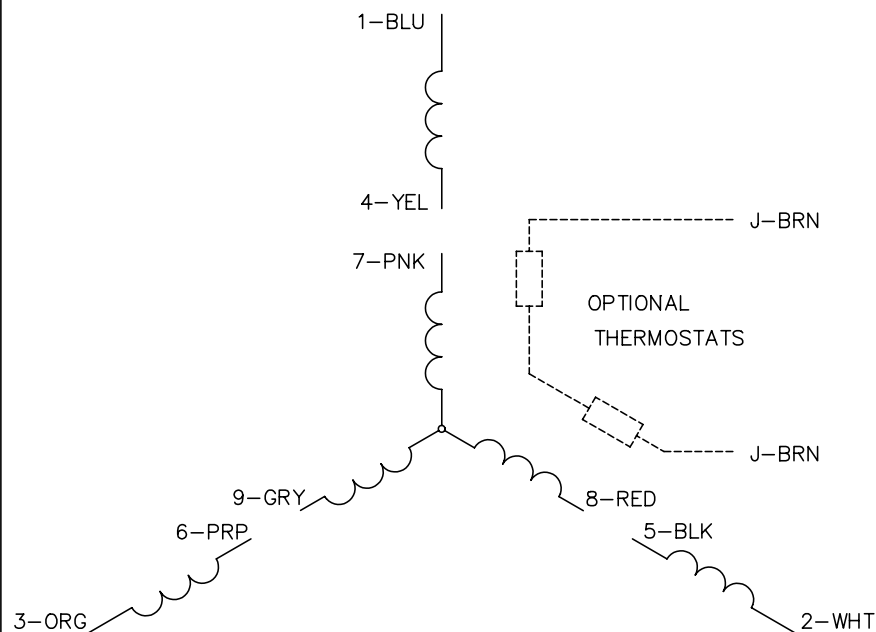
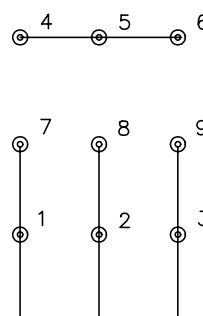
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	56	65	74	78	81	81
Efficiency	40.6	56.5	64.1	67.7	70	70.4	70.4
Speed	3559	3532	3504	3473	3438	3398	3398
Line amperes	1.07	1.12	1.25	1.37	1.57	1.77	1.77

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

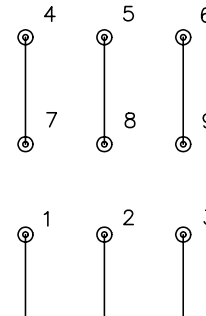




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005