

BALDOR® • RELIANCE

Product Information Packet

CSWDM3543

.75HP,1160RPM,3PH,60HZ,56C,3530M,TENV,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3530M	Elec. Spec:	35WGN470	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35S630	Layout:	35LYS630
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	04-04-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-29-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	CSWDM3543									
SPEC.	35S630N470G1									
HP	.75									
VOLTS	208-230/460									
AMP	2.8/1.4									
RPM	1160									
FRAME	56C				HZ		60		PH	3
SER.F.	1.15			CODE	L	DES	B		CLASS	F
NEMA-NOM-EFF	81.5			PF	62					
RATING	40C AMB-CONT									
CC				USABLE AT 208V						
DE	6205			ODE	6203					
ENCL	TENV		SN							

Parts List		
Part Number	Description	Quantity
SA242071	SA 35S630N470G1	1.000 EA
RA228983	RA 35S630N470G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A03	CONDUIT BOX KIT, FOR SUPER II WASHDOWN	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M72MU	SPL FR EP-ENCL-203 BRG-DIE CAST ALUM(BAL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE3300A75MU	PU E.P., CAST-FACE MTD-56C-205 BRG(BALL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S25	THRUBOLT 10-32 X 9.500 SS TDR #23687	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 38079 - Typical performance - not guaranteed values

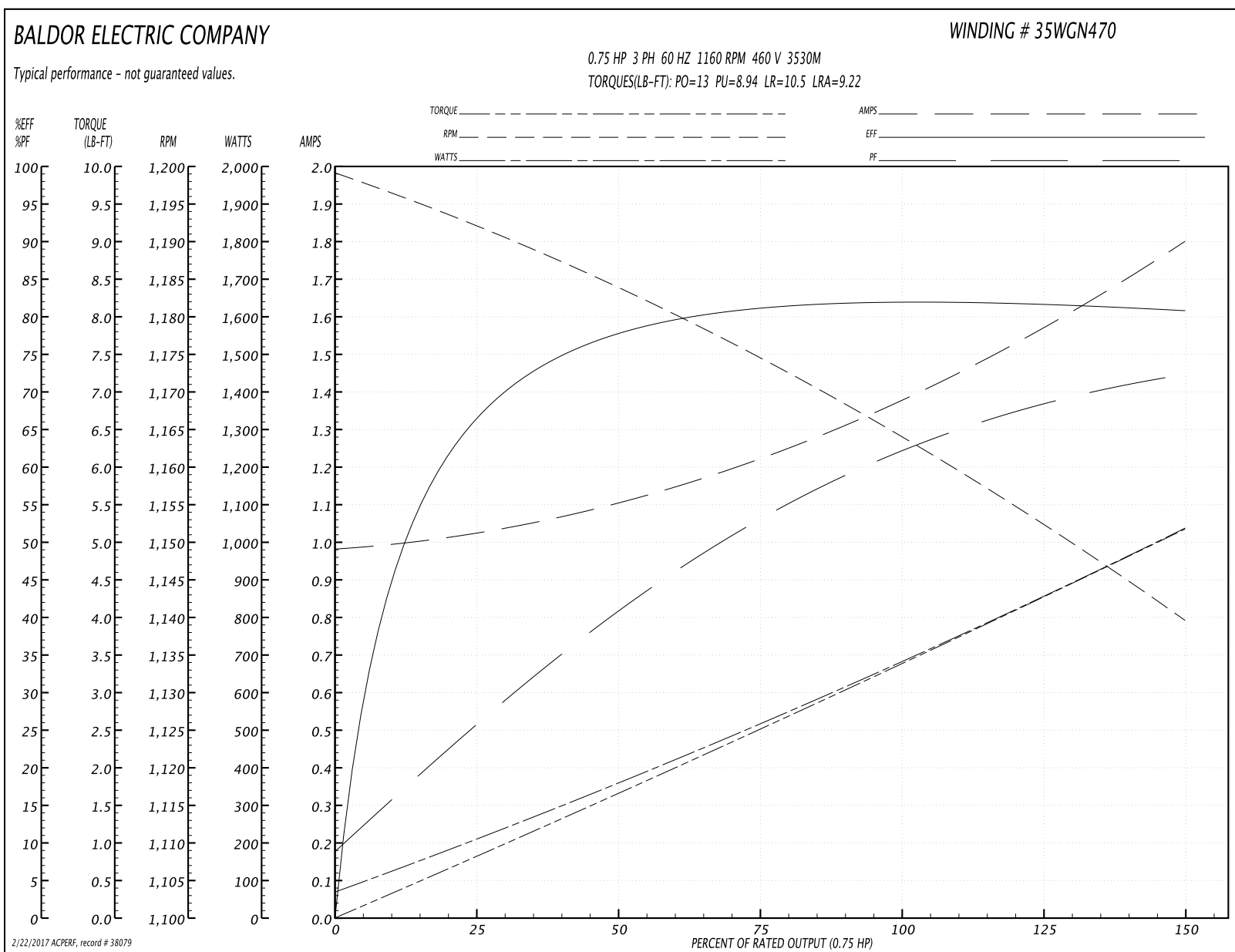
Winding: 35WGN470-R001	Type: 3530M	Enclosure: TENV
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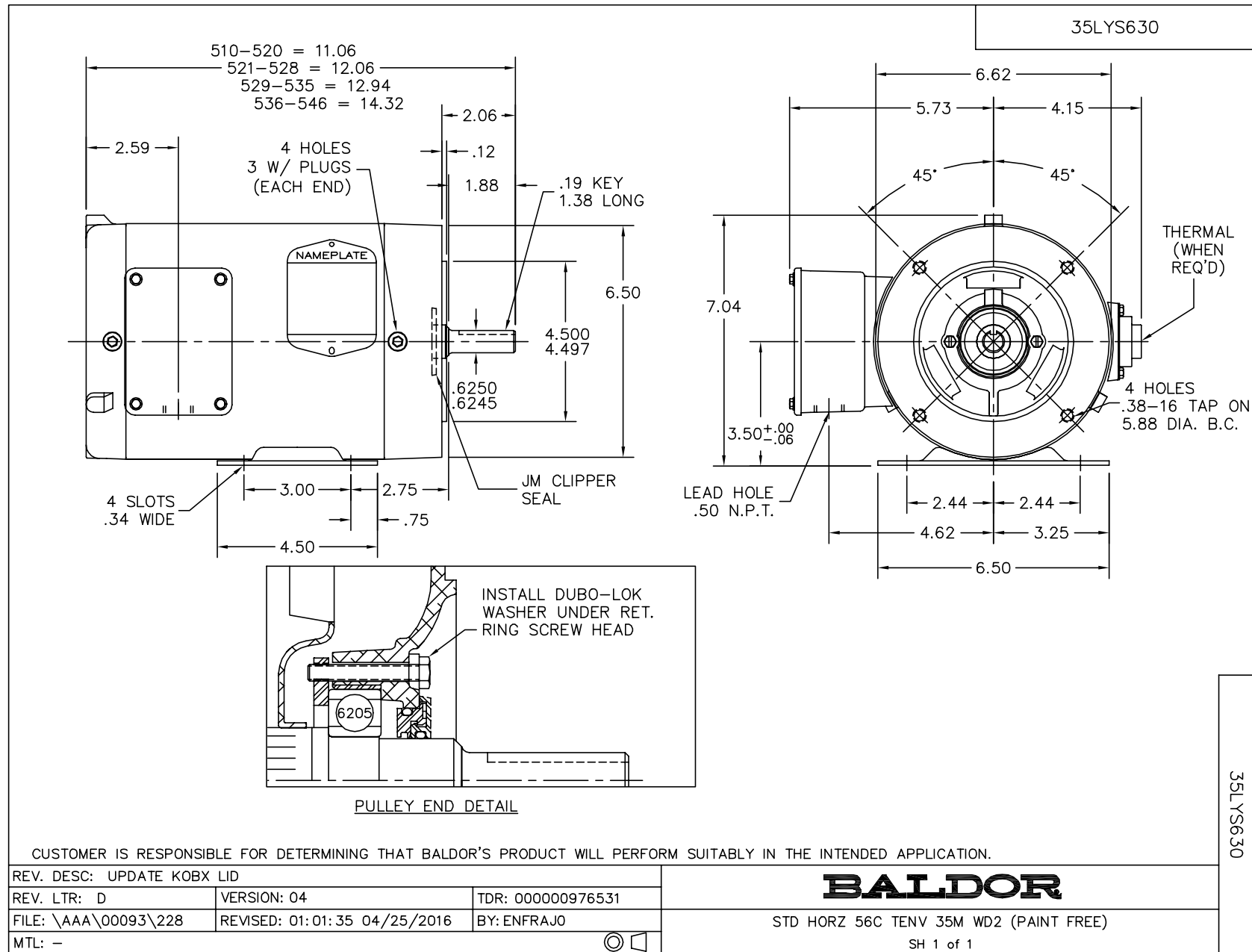
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	3.39 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	13 LB-FT
R.P.M.	1160			Pull-up Torque	8.94 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	9.22 A
Service Factor (S.F.)	1.15			No-load Current	0.985 A
NEMA Nom. Eff.	80	Power Factor	62	Line-line Res. @ 25°C	17.427 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C
S.F. Amps				Temp. Rise @ S.F. Load	102°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	53	62	68	72	66
Efficiency	65.9	77.4	81.1	82.1	81.8	80.7	81.9
Speed	1192.6	1184	1174.1	1164	1152.3	1139.7	1157
Line amperes	1.02	1.1	1.23	1.38	1.57	1.8	1.49

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