

BALDOR® • RELIANCE

Product Information Packet

WDL3504

.5HP,1725RPM,1PH,60HZ,56,3520L,TEFC,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGN406	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35J271	Layout:	35LYJ271
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	05-27-2014
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-23-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	WDL3504									
SPEC.	35J271N406G1									
HP	.5									
VOLTS	115/230									
AMP	7.4/3.7									
RPM	1725									
FRAME	56				HZ		60		PH	1
SER.F.	1.25			CODE	M	DES		N	CLASS	F
NEMA-NOM-EFF	68			PF	65					
RATING	40C AMB-CONT									
CC				USABLE AT 208V						4.1
DE	6205			ODE	6203					
ENCL	TEFC			SN						
	SFA 8.2/4.1									

Parts List		
Part Number	Description	Quantity
SA281648	SA 35J271N406G1	1.000 EA
RA267966	RA 35J271N406G1	1.000 EA
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3100M04MW	FREP TEFC,"O" DRILLS,NO GR SR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	4.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE3101A55MW	PUEP ASSEMBLY FOR ROUTING	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
XY1032S02	10-32 HEX NUT R.H. S STL	4.000 EA
35FH4005A32SP	IEC FH NO GR SR W/3 HOLES - PRIMED	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4522	35 LIPPED CB LID PRIMED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW1003S08	WASHER, #8 EX TH LK, SS	4.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
35GS1016A03	GASKET, CAPAC BOX FOR 35CB4802 WD MOTORS	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 37353 - Typical performance - not guaranteed values

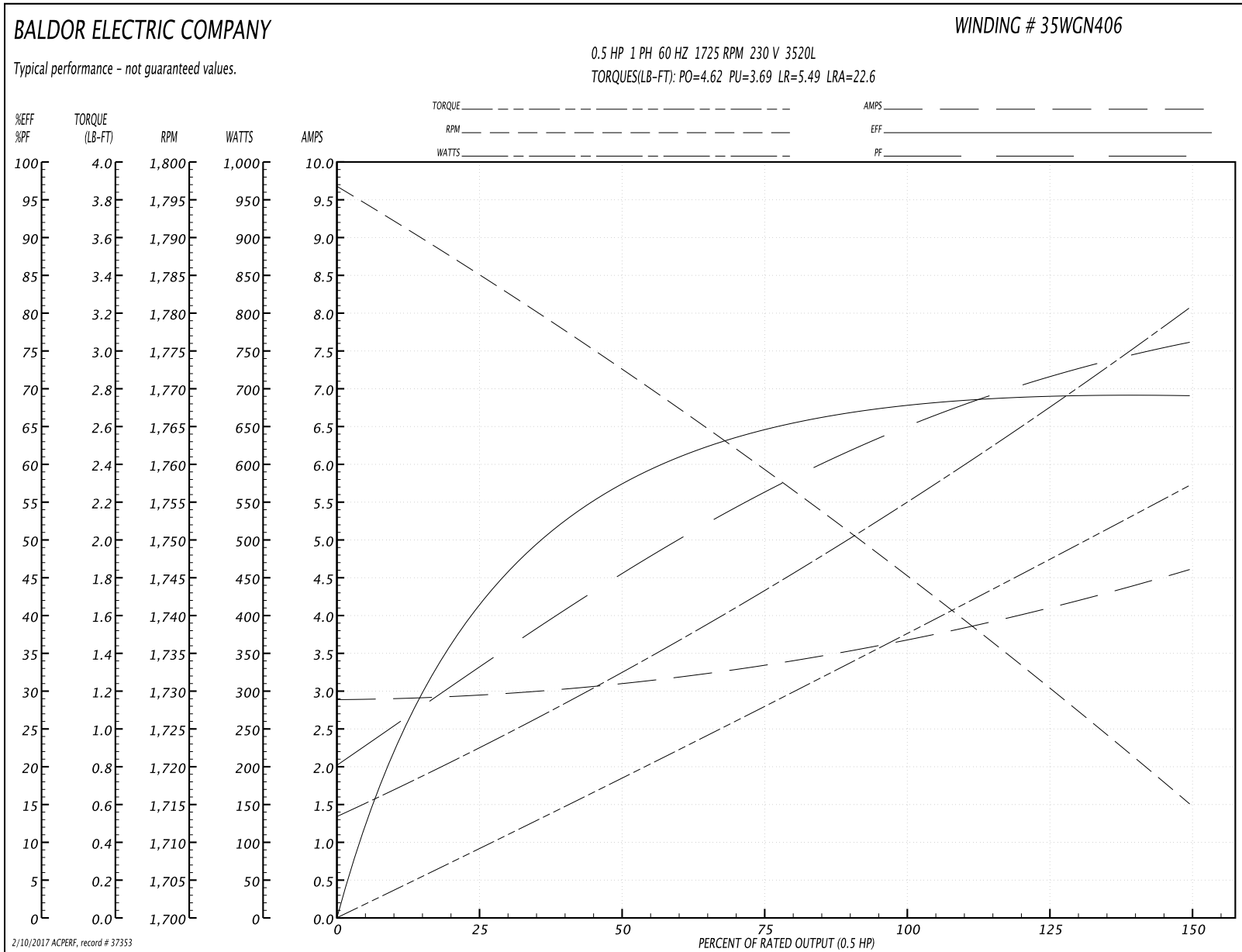
Winding: 35WGN406-R001	Type: 3520L	Enclosure: TEFC
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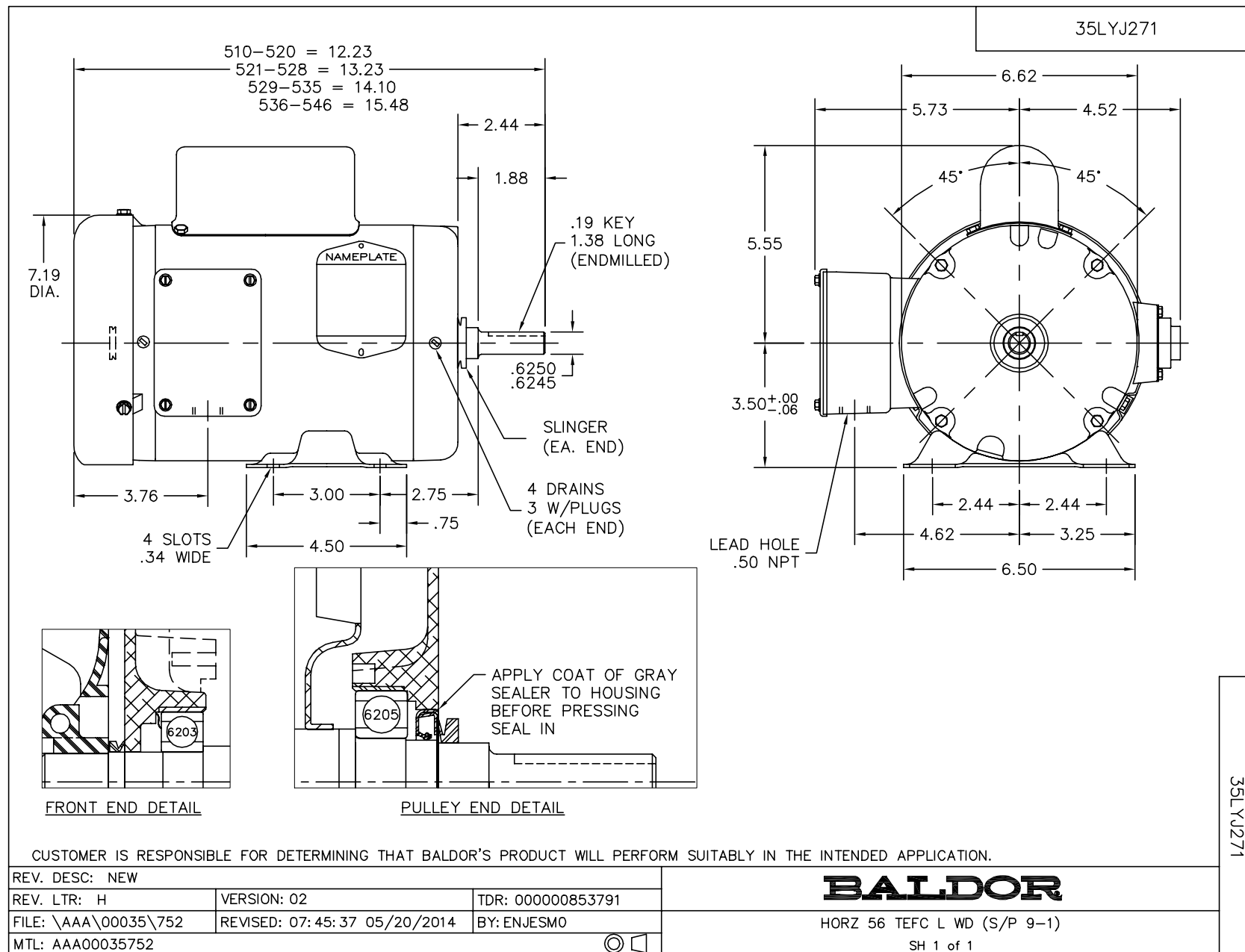
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.51 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7.4/3.7			Breakdown Torque	4.62 LB-FT
R.P.M.	1725			Pull-up Torque	3.69 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.49 LB-FT
NEMA Design Code	N	KVA Code	M	Starting Current	22.6 A
Service Factor (S.F.)	1.25			No-load Current	2.89 A
NEMA Nom. Eff.	68	Power Factor	65	Line-line Res. @ 25°C	4.0781 Ω A Ph 2.4038 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps	8.2/4.1			Temp. Rise @ S.F. Load	80°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	46	56	65	71	76	71
Efficiency	41.6	57.1	64.6	68	69	69	69
Speed	1783.2	1772	1759.8	1745.9	1730.5	1714.5	1730
Line amperes	2.95	3.09	3.35	3.69	4.1	4.61	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





CD0001

