

BALDOR® • RELIANCE

Product Information Packet

ZDWNM3546T

1HP,1745RPM,3PH,60HZ,143TC,3524M,TENV,F1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP560	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35RR179	Layout:	35LYRR179
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	12-21-2009
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	01-12-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1609L

CAT NO	ZDWNM3546T										
SPEC.	35RR179P560Z1										
FRAME	143TC				HP	1	TE				
VOLTS	230/460										
MAG CUR	1.8/.9					FLA	2.9/1.45				
RPM	1745				RPM MAX	6000					
HZ	60			PH	3	CLASS	H				
SER.F.	1.00			DES	B		SL HZ	1.7			
NEMA-NOM-EFF	85.5				WK2	0.142					
BLWR V			PH		HZ		A				
RATING	40C AMB-CONT										
DE BRG	6205				ODE BRG	6203					
CC	010A		SER.NO								

Parts List		
Part Number	Description	Quantity
SA188993	SA 35RR179P560Z1	1.000 EA
RA176712	RA 35RR179P560Z1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3010A01W	35 CB .75 NPT @ 6:00, 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
35EP3100M70MW	FR TENV 203 BRG WD W/ THRU-SHAFT ENCODER	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600A09	SEAL 0.656 X 1.124 X 0.250 DOUBLE SHIELD	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE3300A48MW	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
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	1.000 EA
35FH4801W	THRU-SHAFT ENCODER COVER INV/VEC F1 & F2	1.000 EA
10XN2520S08	SCREW, 1/4-20 X 1/2 HHCS SS	4.000 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
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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A05	#242-21 LOCTITE GENERAL PURPOSE MED. STR	0.005 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
OE5011A05SP	HS25 ENCODER ASSY - TENV	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
LC0145B01	CONNECTION LABEL	1.000 EA
NP1609L	SS WD VEC UL CSA CC REV MTG	1.000 EA
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

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AC Induction Motor Performance Data
 Record # 36547
 Typical performance - not guaranteed values

Winding: 35WGP560	Type: 3524M	Enclosure: TENV
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Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection				
Rated Output (HP)	1		Full Load Torque	3.02 LB-FT			
Volts	230/460		Start Configuration	DOL			
Full Load Amps	2.9/1.45		Break Down Torque	14.3 LB-FT			
R.P.M.	1745		Pull-Up Torque	8.76 LB-FT			
Hz	60	Phase	Locked-rotor Torque	10.3 LB-FT			
NEMA Design Code	B	KVA Code	Starting Current	13.5 Amps			
Service Factor	1		No-load Current	0.89 Amps			
NEMA Nom. Eff.	85.5	P.F.	Line-line Res. @ 25°C.	15.8 Ohms			
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	85°C			
S.F. Amps			Temp. Rise @ S.F. Load	100°C			

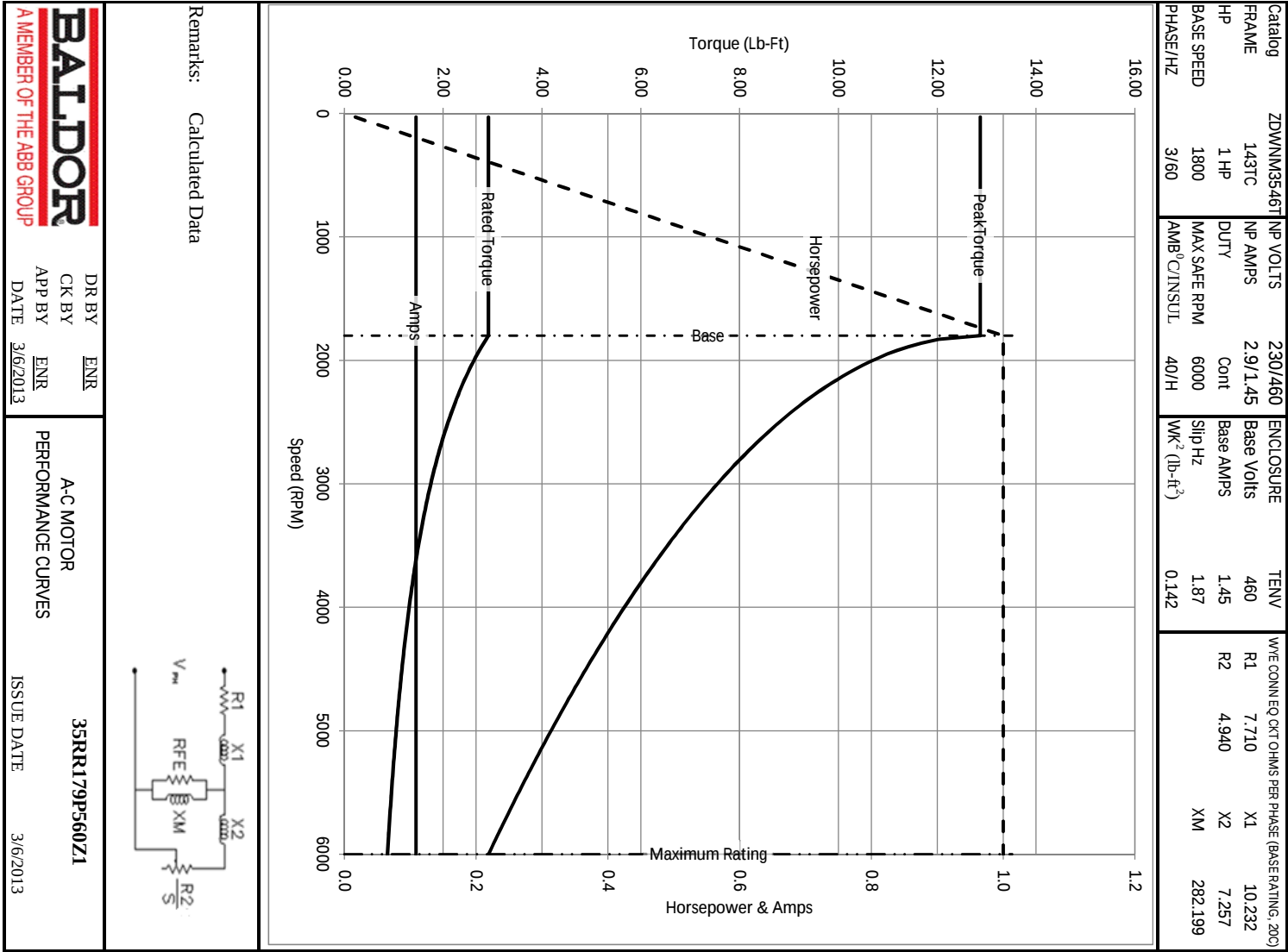
Load Characteristics at 460 Volts, 60 Hz, 1 HP

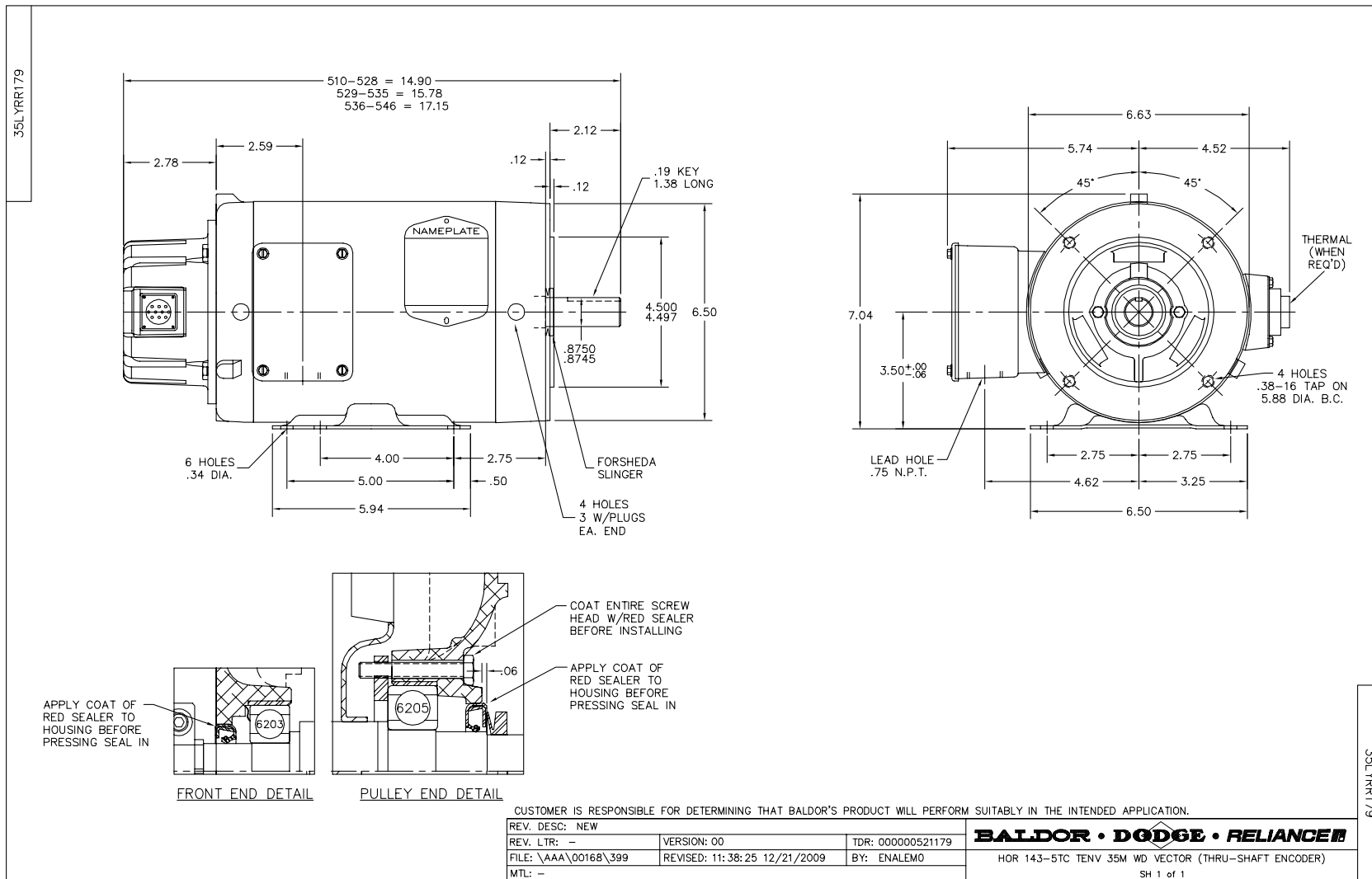
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	53	67	76	81	85	
Efficiency	74.5	82.9	85.2	85.2	84.7	82.6	
Speed	1784	1774	1760	1744	1731	1698	
Line Amperes	0.935	1.05	1.22	1.45	1.7	1.99	

Baldor Electric Company Fort Smith, Arkansas



3/6/2013

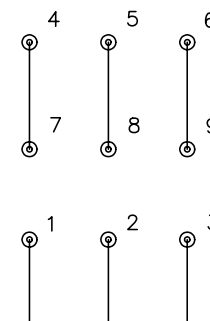




CD0005

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