

BALDOR® • RELIANCE

Product Information Packet

CWDM3545

1HP,3450RPM,3PH,60HZ,56C,3516M,TENV,F1,N

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGY841	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35T964	Layout:	35LYT964
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	01-08-2013
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-29-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L									
CAT.NO.	CWDM3545								
SPEC.	35T964Y841G1								
HP	1								
VOLTS	230/460								
AMP	3.6/1.6								
RPM	3450								
FRAME	56C	HZ			60	PH		3	
SER.F.	1.25	CODE			H	DES		B	CLASS
NEMA-NOM-EFF	75.5	PF			72				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			3.8				
DE	6205	ODE			6203				
ENCL	TENV	SN							
	SFA 3.8/1.9								

Parts List		
Part Number	Description	Quantity
SA256551	SA 35T964Y841G1	1.000 EA
RA243340	RA 35T964Y841G1	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
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
35EP3100M71MW	SPL FR ENDPLATE -TENV- SP.#9 (WHITE EPOX	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 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
HW4600B49SP	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
35CB4522	35 LIPPED CB LID AUTOPHORETIC	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
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
MJ5001A27	32220KN GRAY SEALER	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025W01	RAL9003, SIGNAL WHITE, GLOSS 85	0.017 GA

Parts List (continued)		
Part Number	Description	Quantity
MG1500Y02	PRIMER,347.29+347.29C ACTIVATOR WILKOPON	0.017 GA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 40883 - Typical performance - not guaranteed values

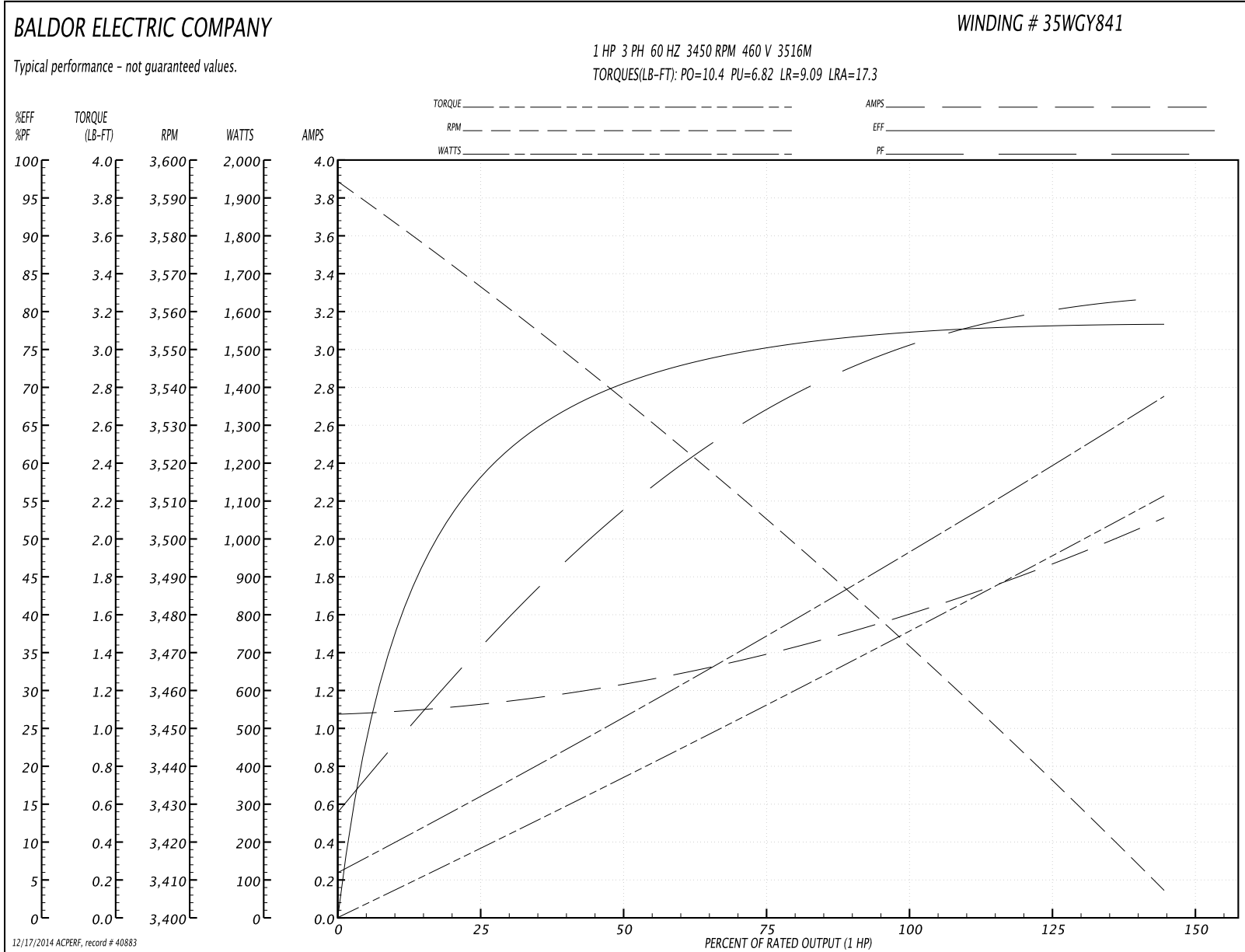
Winding: 35WGY841-R002	Type: 3516M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	3.6/1.6			Breakdown Torque	10.4 LB-FT
R.P.M.	3450			Pull-up Torque	6.82 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.09 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	17.3 A
Service Factor (S.F.)	1.25			No-load Current	1.08 A
NEMA Nom. Eff.	75.5	Power Factor	72	Line-line Res. @ 25°C	12.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	3.8/1.9			Temp. Rise @ S.F. Load	
				Rotor inertia	0.0443 LF ²

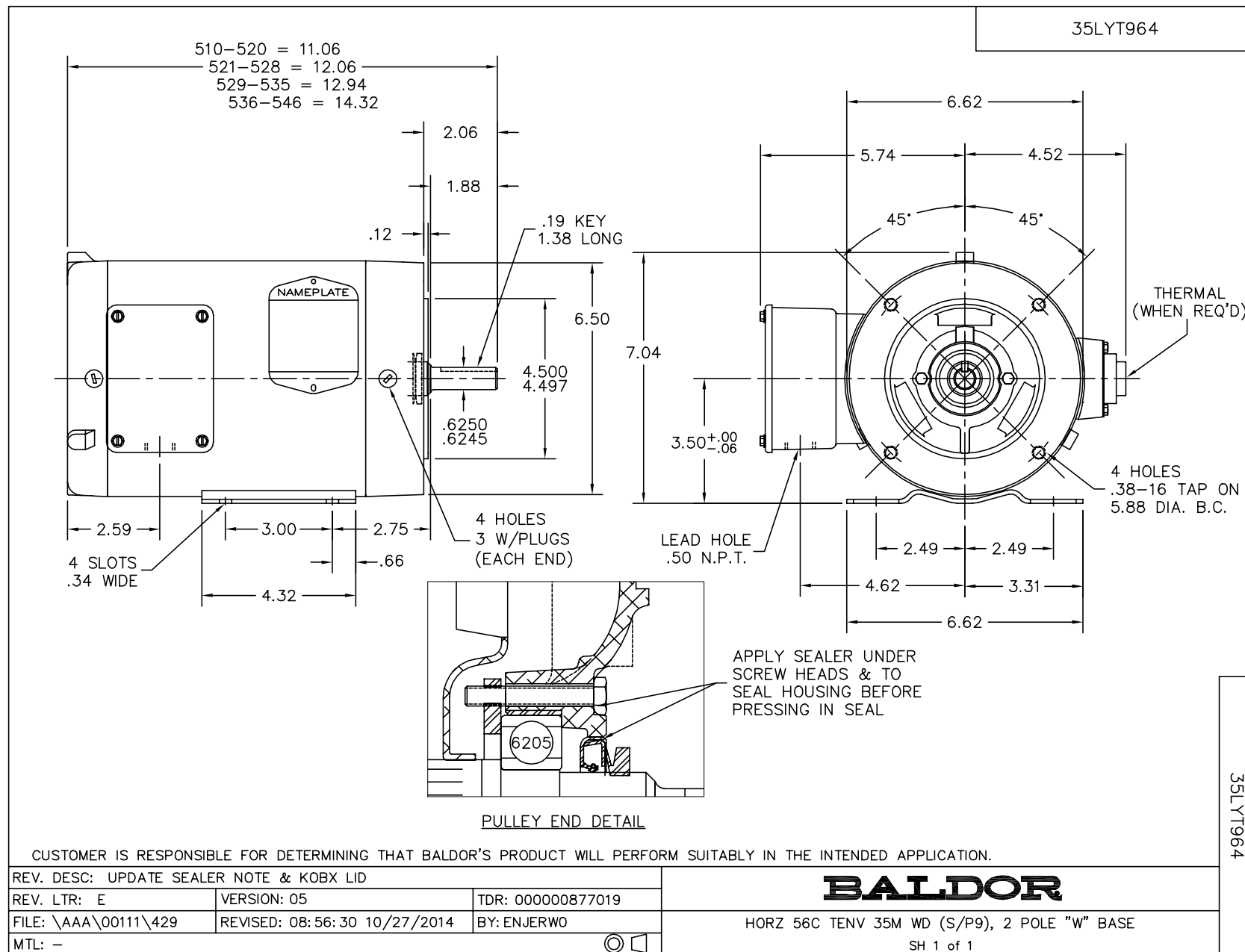
Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	54	67	75	79	83	79
Efficiency	57.4	70.2	75.2	77.6	78.6	78	78.6
Speed	3563	3535	3504	3477	3443	3404	3443
Line amperes	1.12	1.24	1.38	1.59	1.86	2.1	1.86

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values



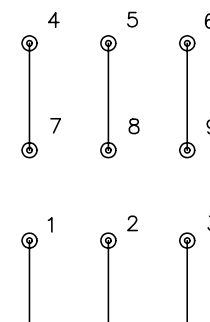
12/17/2014 ACPERF, record # 40883



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