

BALDOR® • RELIANCE

Product Information Packet

CWAM3555

2HP,3450RPM,3PH,60HZ,56,C,3524M,TEFC,F1

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WG0672	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35V064	Layout:	35LYV064
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-18-2012
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1258E										
CAT.NO.	CWAM3555									
SPEC.	35V064-0672G1									
HP	2									
VOLTS	208-230/460									
AMP	5.7-5.4/2.7									
RPM	3450									
FRAME	56C	HZ			60	PH		3		
SER.F.	1.15	CODE			H	DES		B	CL	F
NEMA-NOM-EFF	78.5	PF			93					
RATING	40C AMB-CONT									
CC		USABLE AT 208V			5.7					
DE	6205	ODE			6203					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA132642	SA 35V064-0672G1	1.000 EA
RA122563	RA 35V064-0672G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB1001A01A	CONDUIT BOX, W/AUTOPHORETIC PRIMER	1.000 EA
35GS1022A02	GASKET BOX .06 THK NEOP BLK HDN 30-40 DU	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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP1100B60A	FRONT TEFC 203 BRG WD3 W/ SEAL (AUTOPHOR	1.000 EA
HW4606A01	JM CLIPPER/SEAL (WDE-0667-1064-BH49)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1300A95A	PULLEY 143-5TC ENCL 205 BRG WD3 W/ AUTOP	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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/AUTOPHORETIC PRIMER	1.000 EA
10XN1032S08	10-32X1/2 HEX HEAD S STL	3.000 EA
35CB4516	CONDUIT BOX LID, AUTOPHORETIC	1.000 EA
36GS1002	GASKET, 1/16" NEOPRENE CONDUIT BOX LID	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	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

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MG1025A01	PAINT, 770.02 WILKOFASST CLEAR EPOXY	0.010 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A23	P.D. GEORGE B-276 AIR DRY VARNISH	0.001 GA
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
HA3100S07	THRUBOLT 10-32 X 8.375 SS	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1258E	SS CP UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 20942 - Typical performance - not guaranteed values

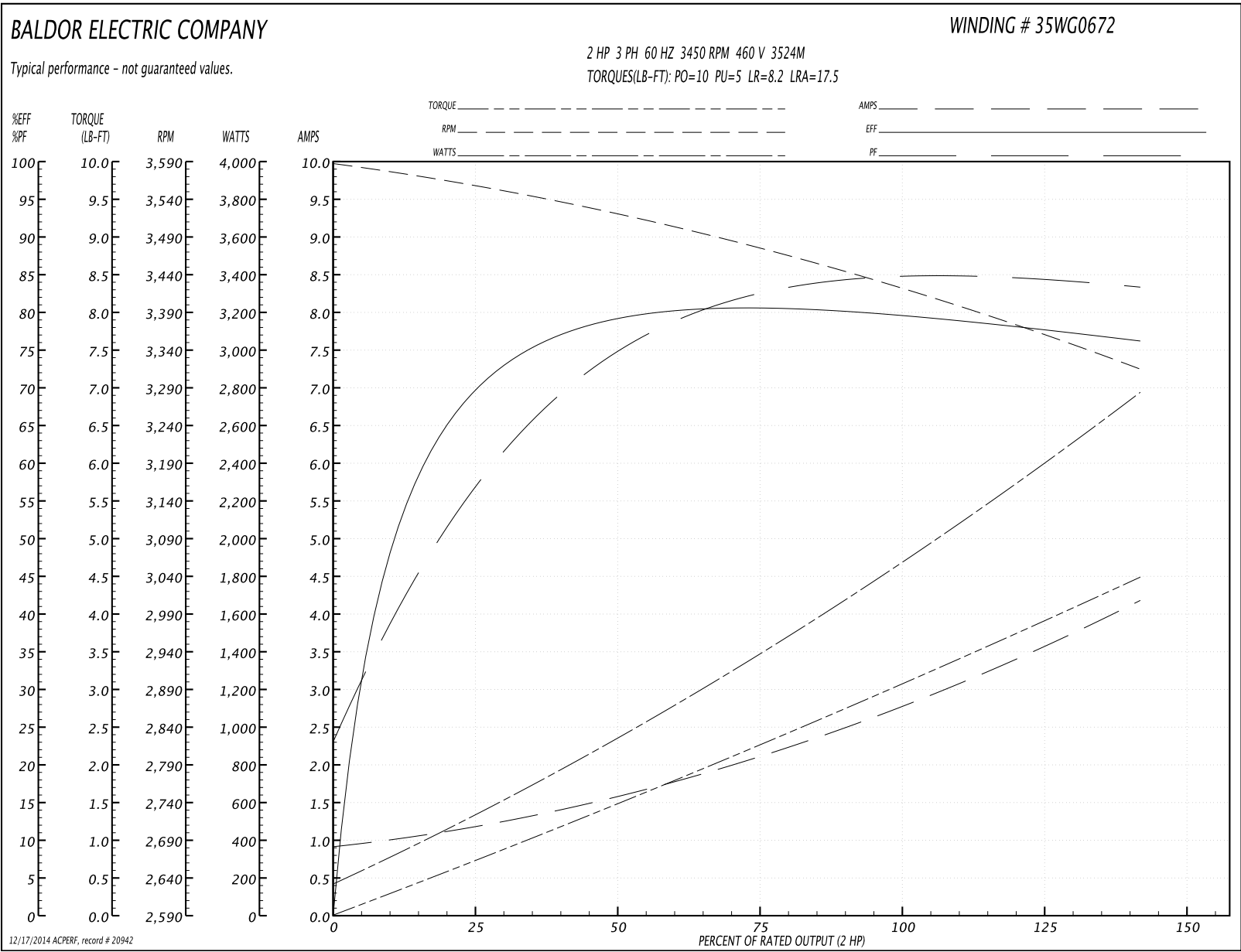
Winding: 35WG0672-R006	Type: 3524M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.7-5.4/2.7			Breakdown Torque	10 LB-FT
R.P.M.	3450			Pull-up Torque	5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.2 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	17.5 A
Service Factor (S.F.)	1.15			No-load Current	0.9 A
NEMA Nom. Eff.	78.5	Power Factor	93	Line-line Res. @ 25°C	10.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C
				Rotor inertia	0.0664 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	66	80	87	90	91	92	91
Efficiency	70.3	78.2	80.3	80.1	78.5	75.9	79.1
Speed	3552	3517	3476	3432	3376	3310	3398
Line amperes	1.2	1.6	2.1	2.7	3.4	4.2	3.15

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 27298 - Preliminary Data Sheet

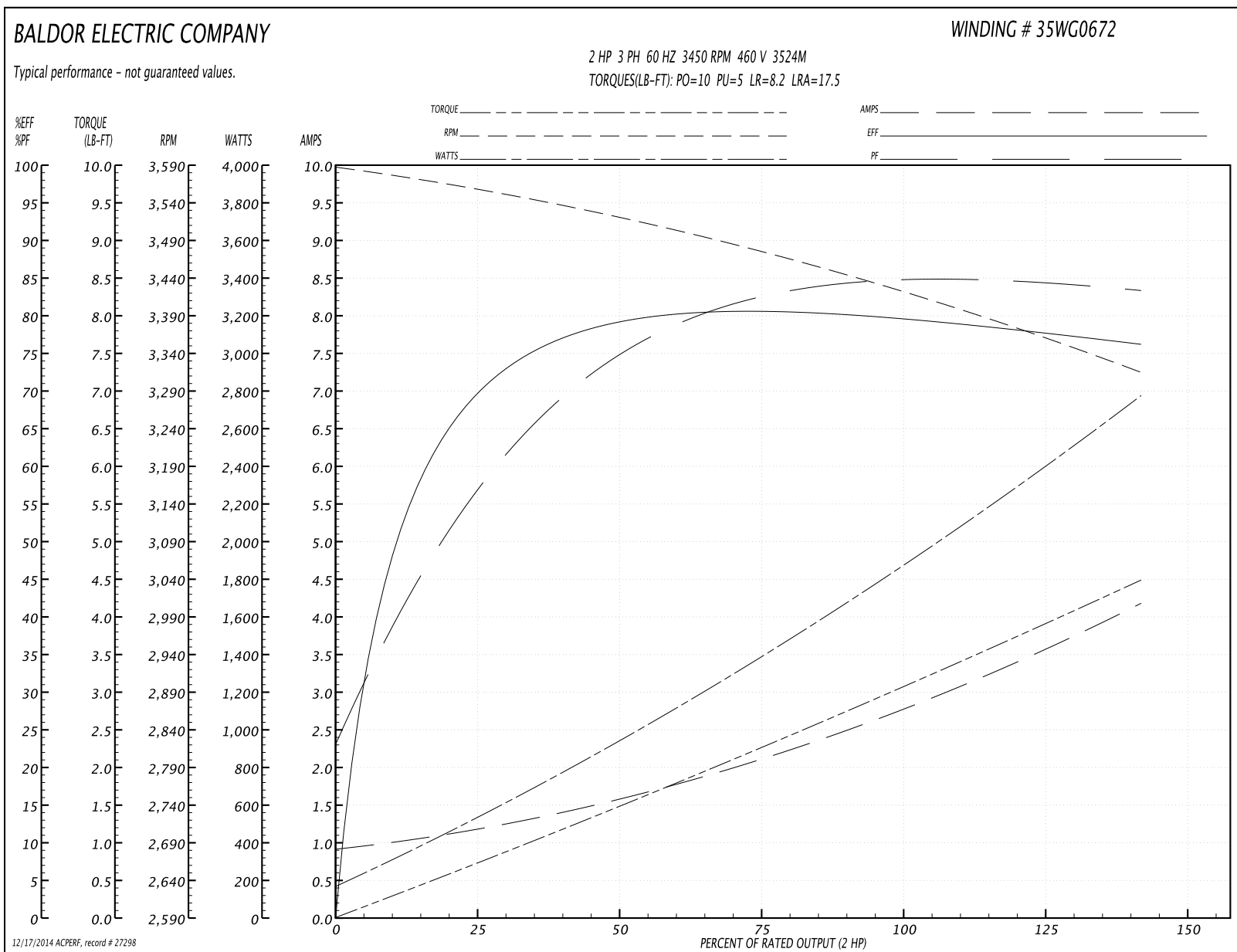
Winding: 35WG0672-R007	Type: 3524M	Enclosure: TEFC
-------------------------------	--------------------	------------------------

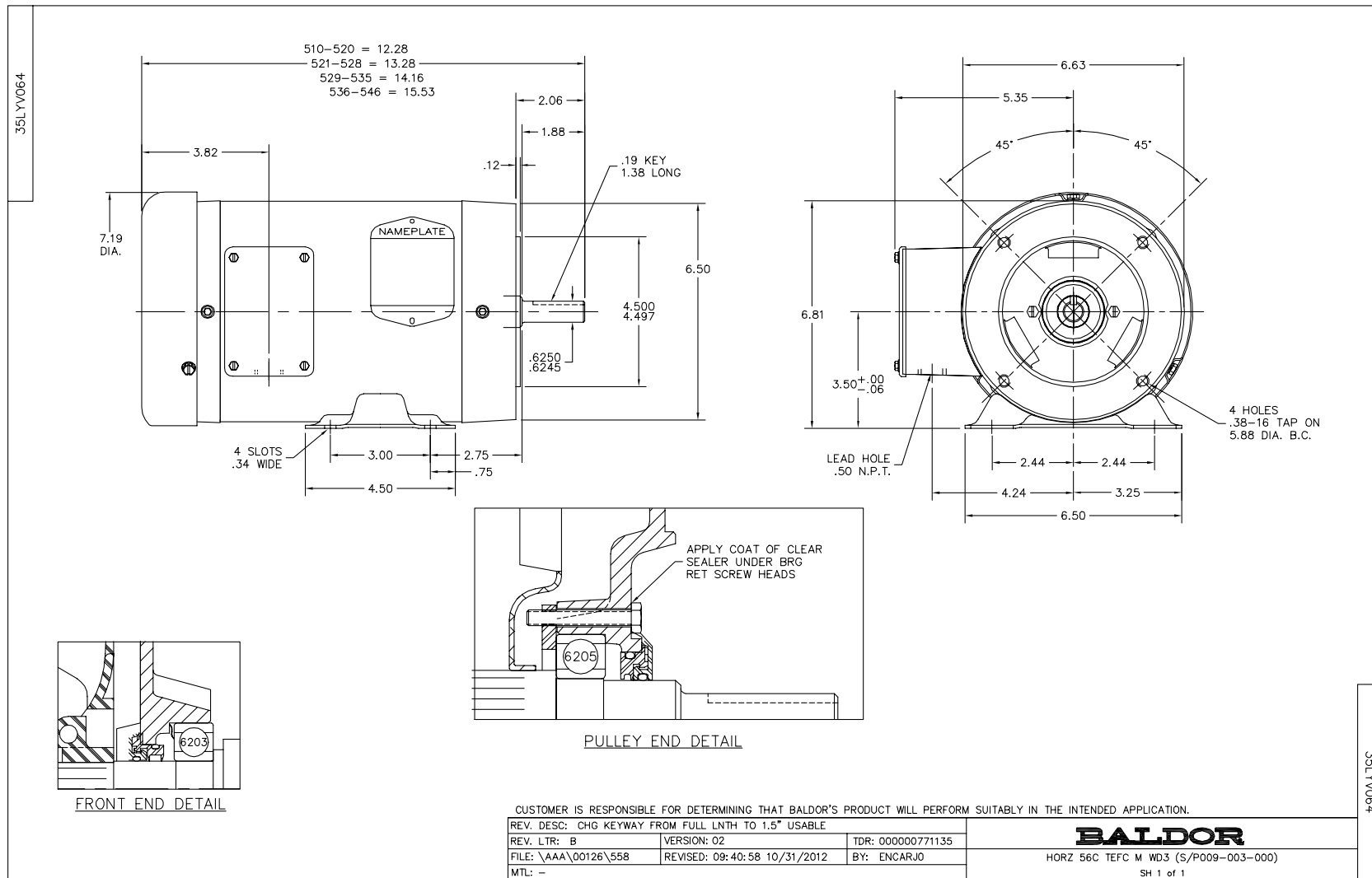
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.7-5.4/2.7			Breakdown Torque	10 LB-FT
R.P.M.	3450			Pull-up Torque	5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.2 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	17.5 A
Service Factor (S.F.)	1.15			No-load Current	0.9 A
NEMA Nom. Eff.	78.5	Power Factor	93	Line-line Res. @ 25°C	11.3 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	58°C
S.F. Amps				Temp. Rise @ S.F. Load	70°C
				Rotor inertia	0.0664 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

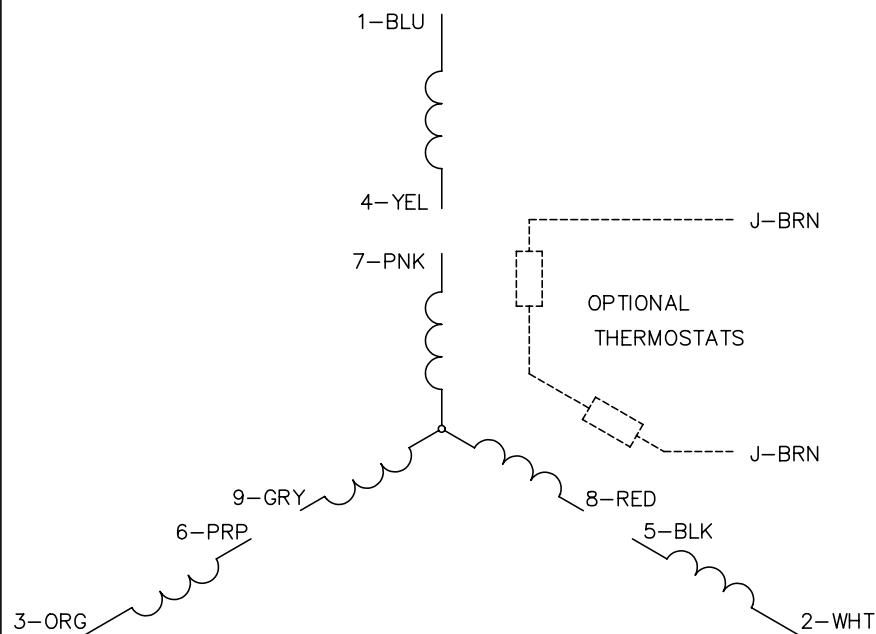
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	75	83	85	85	83	85
Efficiency	70.3	78.2	80.3	80.1	78.5	75.9	79.1
Speed	3552	3517	3476	3432	3376	3310	3398
Line amperes	1.2	1.6	2.1	2.7	3.4	4.2	3.12

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

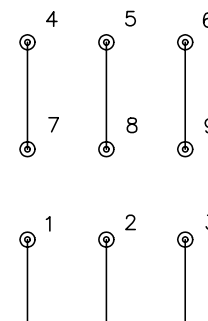




CD0005

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