

BALDOR® • RELIANCE

Product Information Packet

CEM3586T

2HP,3490RPM,3PH,60HZ,143TC,0526M,TEFC,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0526M	Elec. Spec:	05WGX117	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	05C052	Layout:	05LYC052
Frame:	143TC	Mounting:	F1	Poles:	02	Created Date:	07-14-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-16-2015
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	CEM3586T											
SPEC.	05C052X117E7											
HP	2											
VOLTS	208-230/460											
AMP	5.3-5/2.5											
RPM	3490											
FRAME	143TC				HZ		60		PH		3	
SER.F.	1.15		CODE		M		DES		B		CL	F
NEMA-NOM-EFF	85.5		PF		88							
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V							
DE	6205				ODE		6203					
ENCL	TEFC		SN									

Parts List		
Part Number	Description	Quantity
SA200230	SA 05C052X117E7	1.000 EA
RA187548	RA 05C052X117E7	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS, WS & CK PLTS	1.000 EA
05SF1100A01	STATOR FRAME, MACH	1.000 EA
HW3021G06	.188X 5/8 ROLLED SPR PIN	1.000 EA
06CB3000	BALDOR CONDUIT BOX CAST	1.000 EA
06GS1000	GASKET,CONDUIT BOX	1.000 EA
51XW2520A12	SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75	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
35EP1100A02	FR ENDPLATE, TEFC W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1329A01	PU EP ENCL 143-5TC 205 BRG W/GRSR & STD	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A02	IEC FH W/GREASER - W/PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
06CB3500	BALDOR CONDUIT BOX LID	1.000 EA
06GS1001	BALDOR CONDUIT BOX GASKET	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 31839 - Typical performance - not guaranteed values

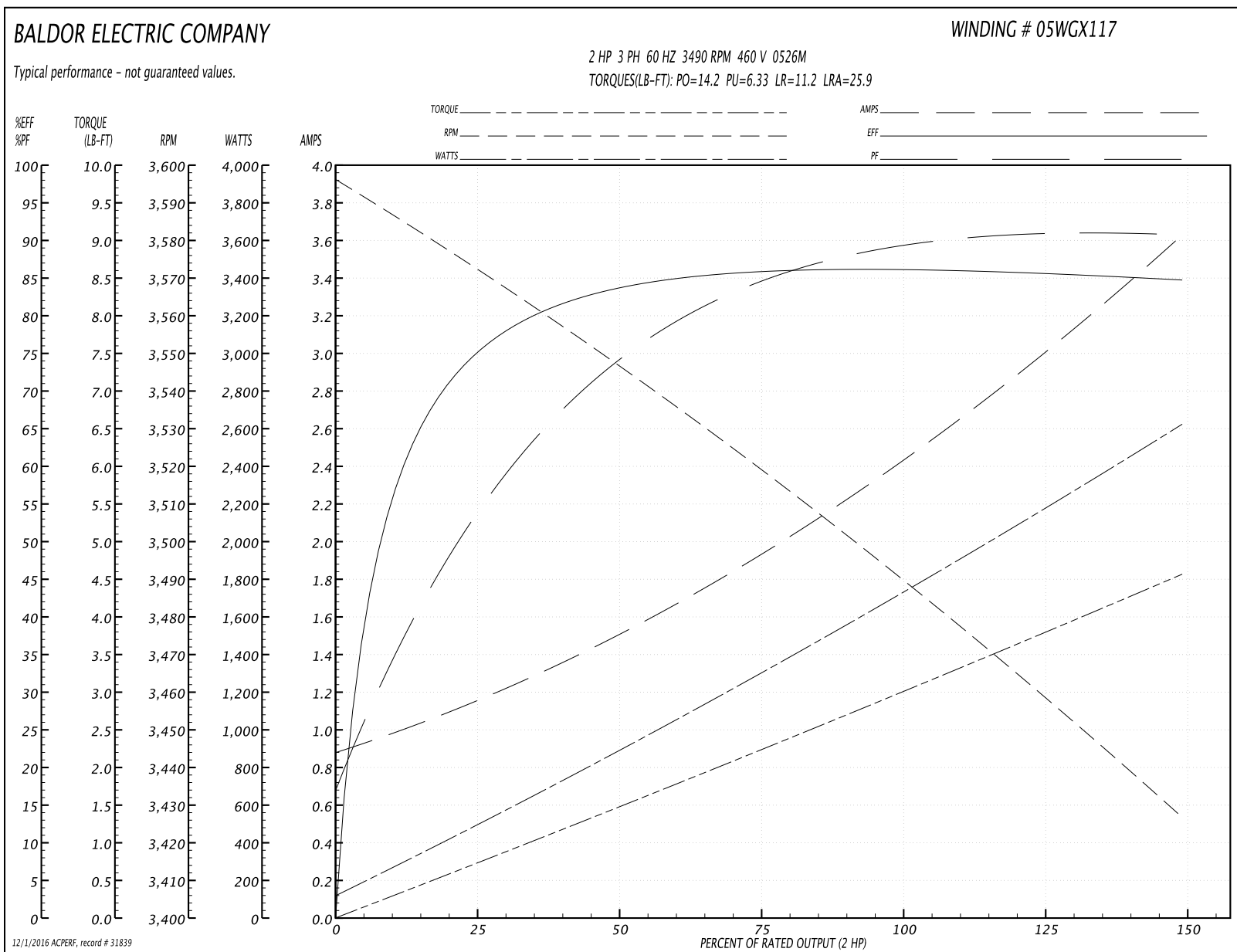
Winding: 05WGX117-R001	Type: 0526M	Enclosure: TEFC
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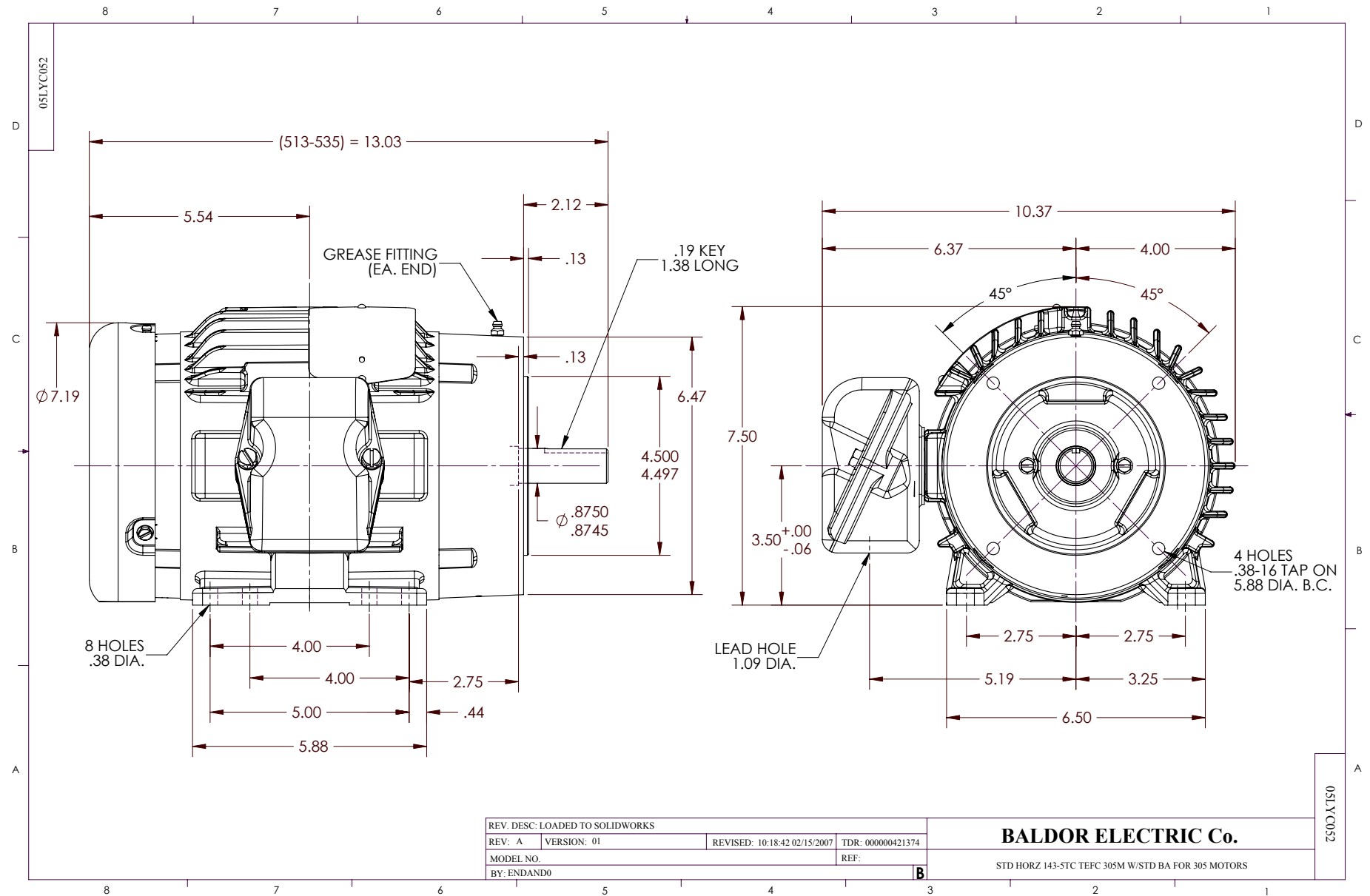
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	2.98 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.3-5/2.5			Breakdown Torque	14.2 LB-FT
R.P.M.	3490			Pull-up Torque	6.33 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11.2 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	25.9 A
Service Factor (S.F.)	1.15			No-load Current	0.912 A
NEMA Nom. Eff.	85.5	Power Factor	88	Line-line Res. @ 25°C	6.9119 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	75	84	88	90	91	89
Efficiency	74.3	83.5	85.9	86.4	85.9	84.8	86.1
Speed	3571.7	3546.5	3520.2	3492.1	3460.7	3425.5	3473
Line amperes	1.1	1.47	1.93	2.44	3	3.61	2.78

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

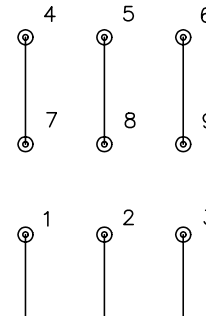




CD0005


 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