

BALDOR® • RELIANCE

Product Information Packet

VEBM3611T-D

3HP,1760RPM,3PH,60HZ,182TC,3631M,TEFC,F3

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3631M	Elec. Spec:	36WGS266	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36N149	Layout:	36LYN149
Frame:	182TC	Mounting:	F3	Poles:	04	Created Date:	09-27-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	02-04-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2105L									
CAT.NO.	VEBM3611T-D								
SPEC.	36N149S266G1								
HP	3								
VOLTS	208-230/460								
AMP	9-8.4/4.2								
RPM	1760								
FRAME	182TC	HZ			60	PH		3	
SER.F.	1.15	CODE			K	DES		B	CL
NEMA-NOM-EFF	89.5	PF			75				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V			9				
DE	6206	ODE			6205				
ENCL	TEFC	SN							
	IP23, BRAKE 10 FT-LB								

Parts List		
Part Number	Description	Quantity
SA203667	SA 36N149S266G1	1.000 EA
RA190927	RA 36N149S266G1	1.000 EA
36CB3004A67	36 CB 1.09 @ 6, .88 @ 12	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
WD4500A77	CORD CONN, .50 NPT,	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP1905A03	SPL FR EP FOR SPL CI FANCOVER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3301A23	PU ENDPLATE, ENCL. 182-4TC 206 BRG. W/GR	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2001D01	DBSC SPLINED HUB 7/8 BOR	1.000 EA
WD4500A77	CORD CONN, .50 NPT,	1.000 EA
WD4108B06	T&B RB 121, 3/4 X 1/2 REDUCING BUSHING	1.000 EA
MR6002A02	.50 FLEX CONDUIT LIQ-TITE (STEEL/VINYL)	0.625 FT
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
06FH1005A03	FAN COVER, MACH FOR 36EP1905A03	1.000 EA
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
HA1100A06	SCREEN, RODENT	1.000 EA
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	4.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1419	CONNECTION LABEL	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
46BK0400B01	DBSC-V-15-MA-230/460 VAC	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP2105L	ALUM SUPER-E UL CSA-EEV CE CC	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 32378 - Typical performance - not guaranteed values

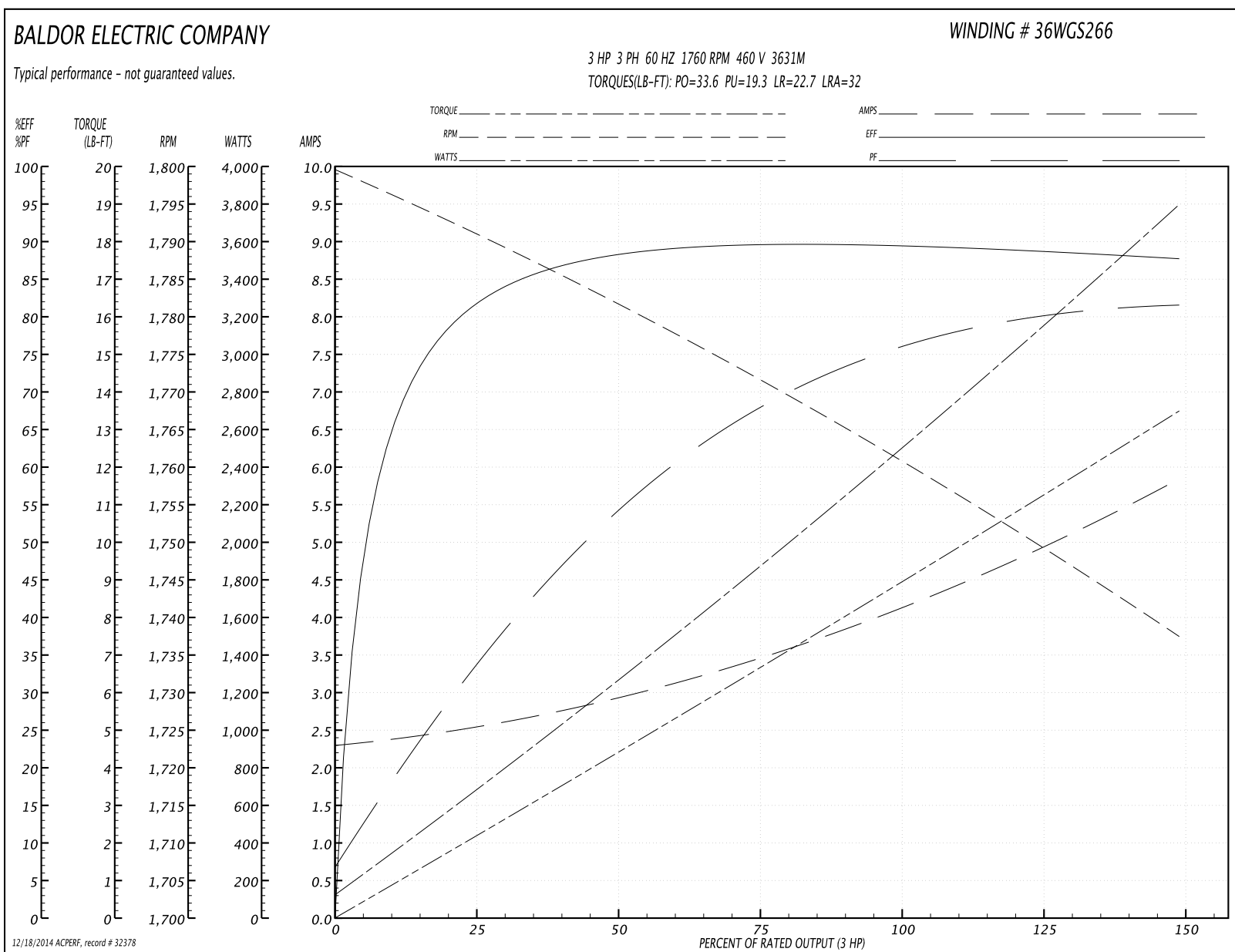
Winding: 36WGS266-R001	Type: 3631M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	8.88 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	9-8.4/4.2			Breakdown Torque	33.6 LB-FT
R.P.M.	1760			Pull-up Torque	19.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	22.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32 A
Service Factor (S.F.)	1.15			No-load Current	2.33 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	4.01 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	48°C
				Rotor inertia	0.289 LF ²

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	54	68	75	79	82	77
Efficiency	80.9	87.8	89.5	89.6	88.9	88	89.2
Speed	1791	1781.8	1771.6	1761.8	1749.6	1737.2	1754
Line amperes	2.5	2.89	3.43	4.15	4.95	5.81	4.63

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 45931 - Typical performance - not guaranteed values

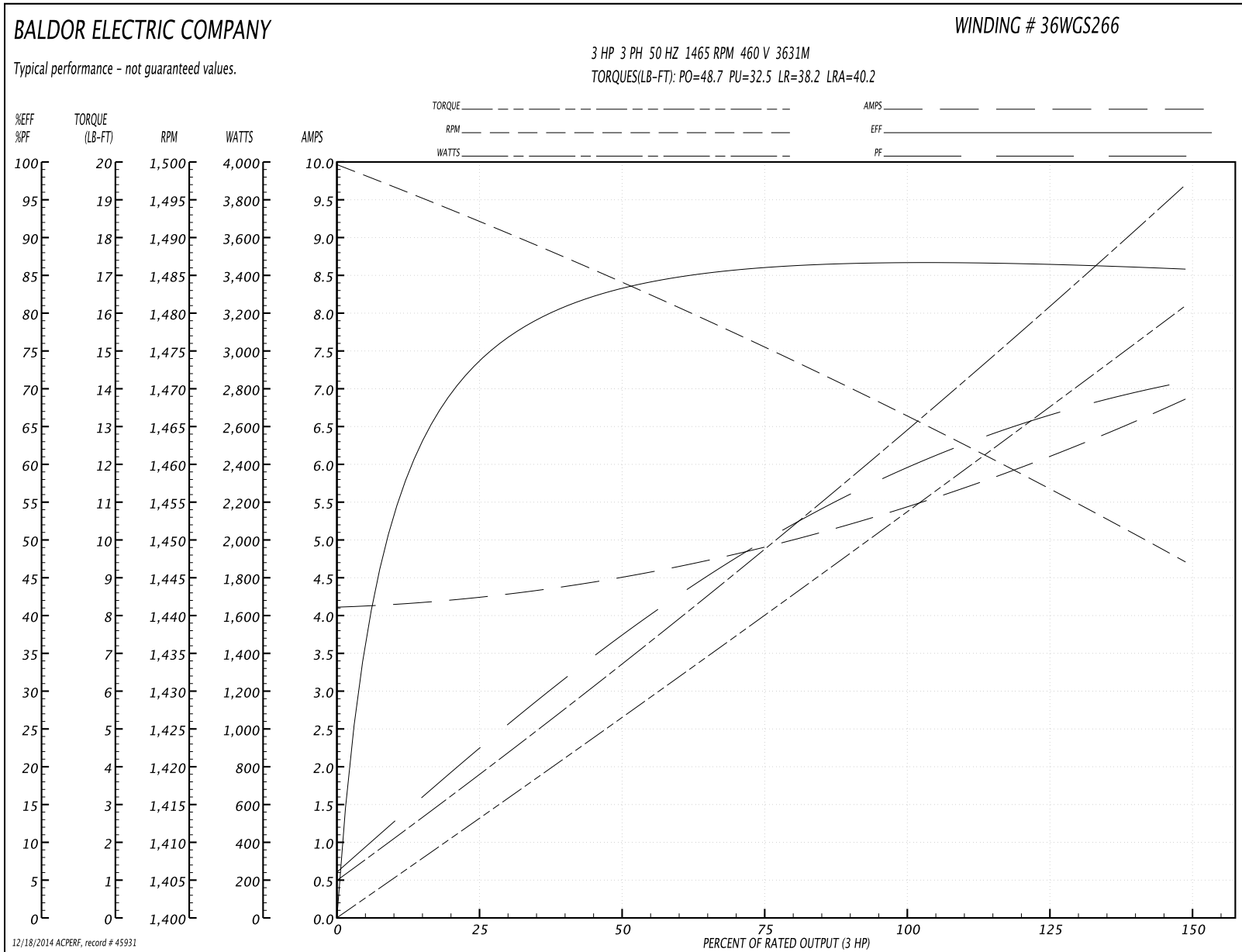
Winding: 36WGS266-R001	Type: 3631M	Enclosure: TEFC
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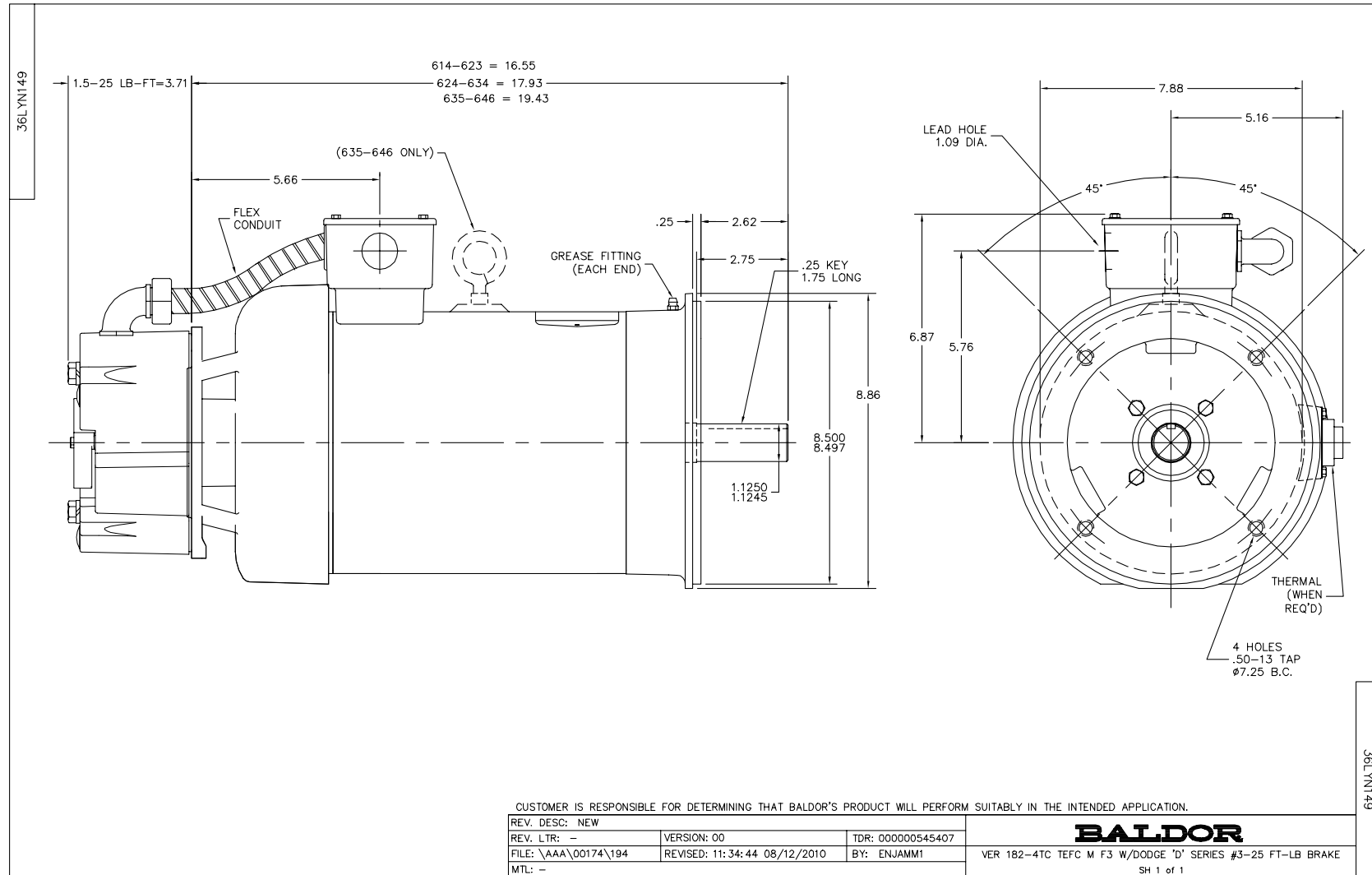
Nameplate Data				460 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	10.7 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	10.8/5.4			Breakdown Torque	48.7 LB-FT
R.P.M.	1465			Pull-up Torque	32.5 LB-FT
Hz	50	Phase	3	Locked-rotor Torque	38.2 LB-FT
NEMA Design Code	A	KVA Code	M	Starting Current	40.2 A
Service Factor (S.F.)	1.15			No-load Current	4.12 A
NEMA Nom. Eff.	86	Power Factor	59	Line-line Res. @ 25°C	3.82 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C
				Rotor inertia	0.289 LF ²

Load Characteristics 460 V, 50 Hz, 3 HP

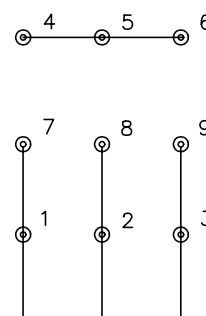
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	22	37	50	59	66	71	63
Efficiency	72.6	82.7	86	87.2	86.4	85.8	86.7
Speed	1492	1484	1476	1467	1457	1447	1461
Line amperes	4.23	4.49	4.87	5.44	6.11	6.84	5.84

Performance Graph at 460V, 50Hz, 3.0HP Typical performance - Not guaranteed values

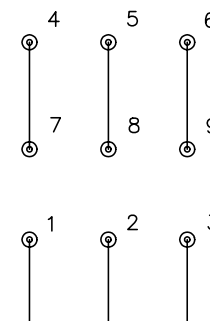




CD0005


 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