

BALDOR® • RELIANCE

Product Information Packet

VEBM3611T

3HP,1760RPM,3PH,60HZ,182TC,3631M,TEFC,F1

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3632M	Elec. Spec:	36WGS266	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36E049	Layout:	36LYE049
Frame:	182TC	Mounting:	F1	Poles:	04	Created Date:	10-04-2011
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	04-13-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1259L

CAT.NO.	VEBM3611T													
SPEC.	36E049S266G1													
HP	3													
VOLTS	230/460													
AMP	8.4/4.2													
RPM	1760													
FRAME	182TC					HZ		60					PH	3
SER.F.	1.15			CODE		K	DES		B	CL		F		
NEMA-NOM-EFF	89.5				PF		75							
RATING	40C AMB-CONT													
CC	010A				USABLE AT 208V									9
DE	6206				ODE		6205							
ENCL	TEFC			SN										

Parts List		
Part Number	Description	Quantity
SA231936	SA 36E049S266G1	1.000 EA
RA218947	RA 36E049S266G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3306A04	FR ENDPLATE, MACH .281 FOR T-BOLT, W/O T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3301A23	PUEP ASSEMBLY FOR ROUTING PURPOSES	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
BR1003A01	BRAKE RELEASE LEVER	1.000 EA
HW2501D10	KEY, 3/16 SQ X 1.000	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA1014A02SP	SPL SPACER FOR FAN COVER MTD ON BRAKE	3.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	3.000 EA
35FH5000A08	FAN COVER ASSY FOR BRAKE MTRS,W/ PRIMER	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
84XN3816J28	HEX SOC HD, 3/8-16 X 1.75 LONG	2.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
76BK4100DQF	1-056-041-00-DQF BRAKE TDR# 79345	1.000 EA
HA3103A05	THRUBOLT 1/4-20 X 11.375 W/SLOTTED HEAD	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1404	BRAKE CONNECTION LABEL	1.000 EA
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 53364 - Typical performance - not guaranteed values

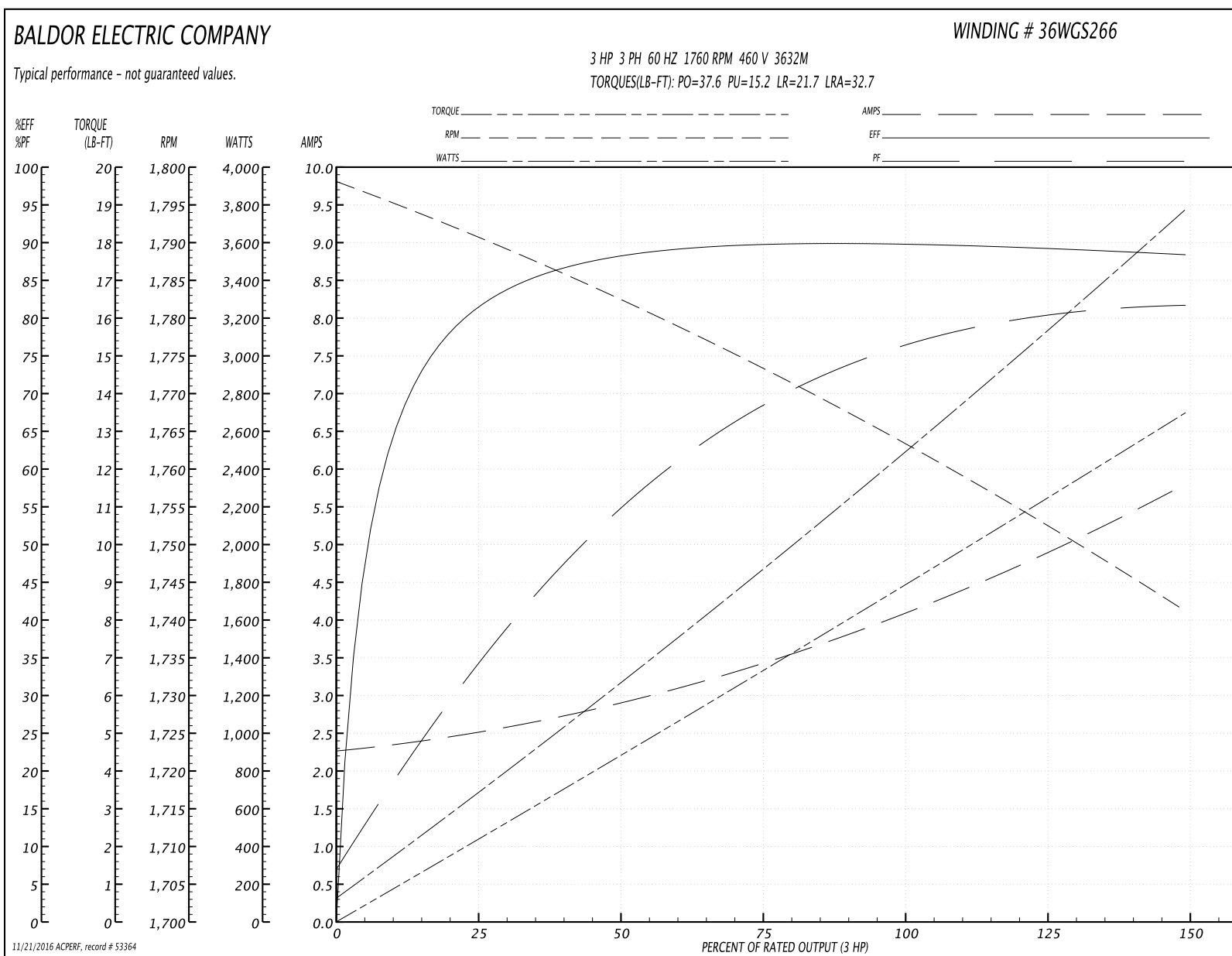
Winding: 36WGS266-R006	Type: 3632M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	8.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	8.4/4.2			Breakdown Torque	37.6 LB-FT
R.P.M.	1760			Pull-up Torque	15.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	21.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32.7 A
Service Factor (S.F.)	1.15			No-load Current	2.3 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	3.81 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	42.2
				Rotor inertia	0.298 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	77
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.2
Speed	1791	1783	1773	1764	1753	1741	1754
Line amperes	2.47	2.85	3.43	4.09	4.89	5.78	4.63

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



AC Induction Motor Performance Data

Record # 57957 - Typical performance - not guaranteed values

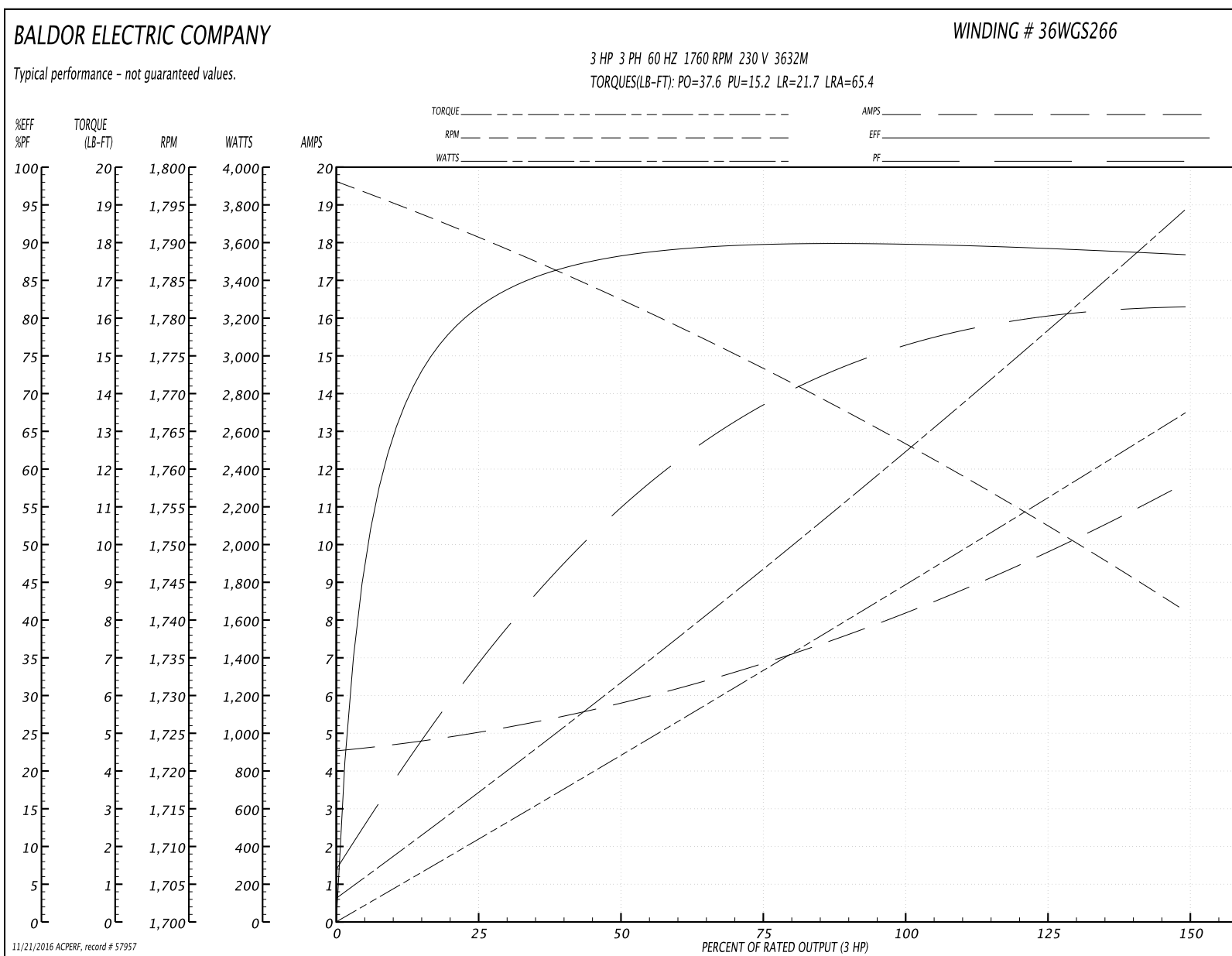
Winding: 36WGS266-R006	Type: 3632M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	3			Full Load Torque	8.8 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	8.4/4.2			Breakdown Torque	37.6 LB-FT
R.P.M.	1760			Pull-up Torque	15.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	21.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	65.4 A
Service Factor (S.F.)	1.15			No-load Current	4.6 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	0.953 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	44°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	42.2
				Rotor inertia	0.298 LB-FT ²

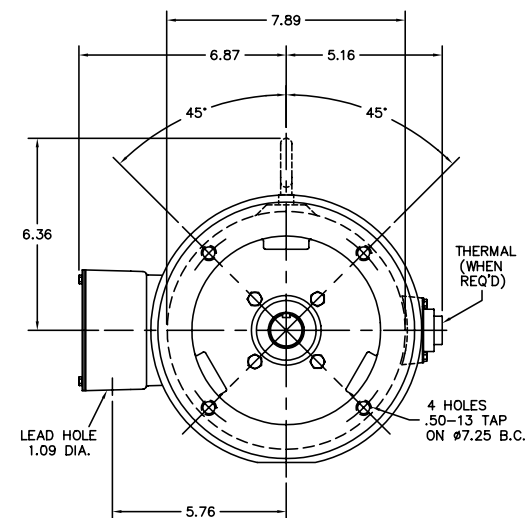
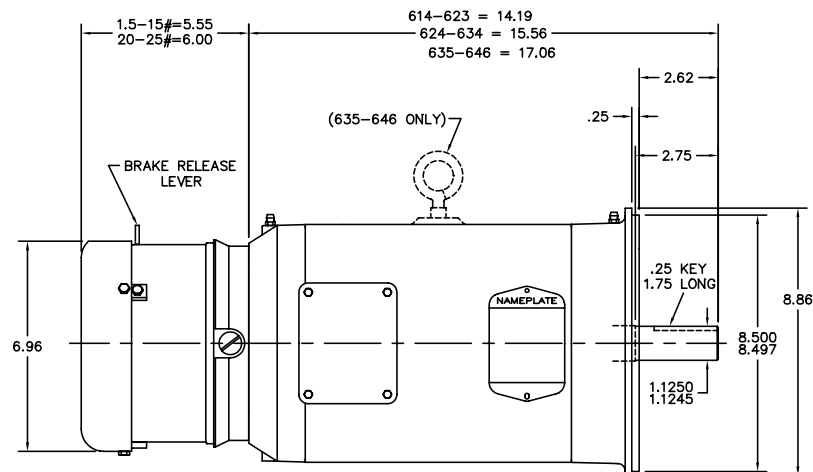
Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	80	82	78
Efficiency	81.1	87.8	89.6	89.8	89.7	88.2	89.7
Speed	1791	1783	1773	1764	1753	1741	1757
Line amperes	4.94	5.7	6.86	8.18	9.78	11.6	9.14

Performance Graph at 230V, 60Hz, 3.0HP Typical performance - Not guaranteed values



36LYE049



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

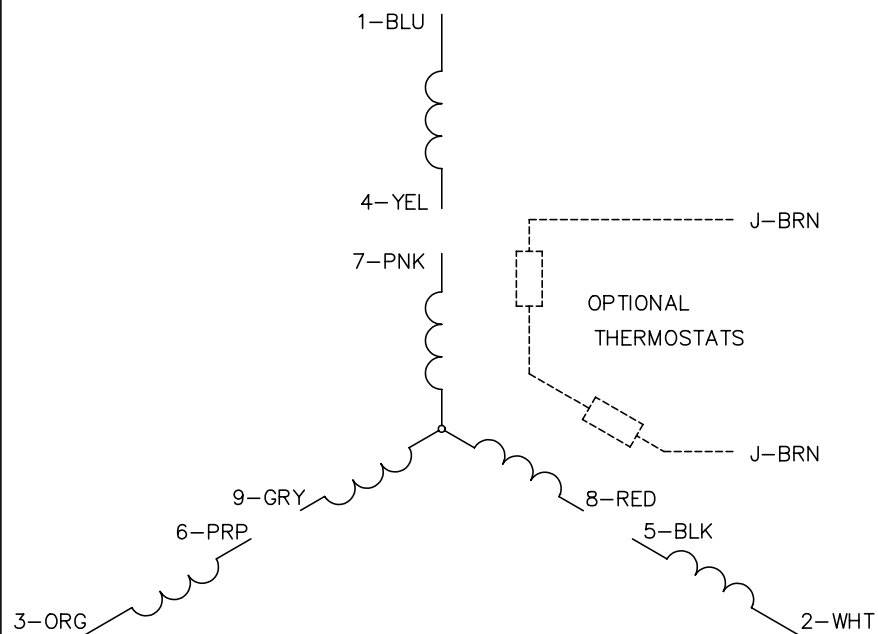
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MTL:	-

BALDOR ELECTRIC Co.

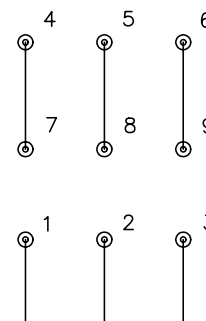
STD VERT 182-4TC TEFC 36M W/BRAKE (76BK')

36LYE049

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