

BALDOR® • RELIANCE 

Product Information Packet

VLECP3661T

3HP,1755RPM,3PH,60HZ,182LP,0632M,TEFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	06WGX181	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	06F063	Layout:	06LYF063	Poles:	04	Created Date:	07-07-2015
Base:	N	Eff. Date:	02-21-2022	Leads:	9#16		

Specs			
Catalog Number:	VLECP3661T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	182LP	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	J
Motor Letter Type:	Three Phase	Lifting Lugs:	Vertical Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP A,B,C,D	Motor Type:	0632M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	77
	CSA EEV	Product Family:	Super-E Chemical Processing
	CCSA US	Pulley End Bearing Type:	Thrust
Auxillary Box:	No Auxillary Box	Pulley Face Code:	P-Base
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	P-Base Groove & Key
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	1.5	Shaft Rotation:	Reversible
Current @ Voltage:	8.200 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	8.600 A @ 208.0 V	Speed Code:	Single Speed
	4.100 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line
Drip Cover:	Drip Cover	Thermal Device - Bearing:	None
Duty Rating:	CONT	Thermal Device - Winding:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	None
Front Face Code:	Standard	Winding Thermal 2:	None
Front Shaft Indicator:	None	XP Temp Code:	T3C

Nameplate NP3258E										
CAT.NO.	VLECP3661T									
SPEC.	06F063X181G1									
HP	3	TE								
VOLTS	230/460									
AMP	8.2/4.1									
RPM	1755									
FRAME	182LP				HZ	60		PH	3	
SER.F.	1.15			CODE	J		DES	B		
RATING	40C AMB-CONT									
SN										
DE	QJ307				ODE	6206				
NEMA-NOM-EFF	89.5			PF	77					
G.MIN.EFF	87.5			CC	010A					
T. CODE	T3C			T=	160					
								CL	F	

Nameplate NP3261E			
SPEC.	06F063X181G1		
D.E. BRG.	35BZ03X00X		
O.D.E. BRG.	30BC02X30X		
GREASE	POLYREX EM		
RPM MAX	2700	MAX. KVAR	0.87
BLANK	SFA 9.2/4.6		
INV. TYPE	PWM		
T=	160		
C HP FR	60	C HP TO	90
CT HZ FROM	1.5	CT HZ TO	60
VT HZ FROM	0-	VT HZ TO	60
HTR-VOLTS	N/A		
HTR-WATTS	N/A		
HTR-AMPS	N/A		
MAX. SPACE HEATER TEMP.			N/A

Parts List		
Part Number	Description	Quantity
SA303663	SA 06F063X181G1	1.000 EA
RA290798	RA 06F063X181G1	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
06CB1001A85G	06CB W/1.00 NPT @6,.25-20 GRD,#26 DRAIN	1.000 EA
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 EA
51XF2520A16	SCREW,HEX SER SLT HD,ZN 1/4-20X1.00LG TD	2.000 EA
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	2.000 EA
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
06FH1004A03G	FAN HOUSING MACH, W/GREASER AND DRIP CVR	1.000 EA
36EP1100A25G	FREP ENCL. 206 BRG.,GRSR,REL,#26 DRAIN(G	1.000 EA
HW4500A32	FIT./EXT 1698-B (ALEMITE)GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36EP1505A02G	SPL PU E.P. - ENCL.- 307 BRG - NEMA 182L	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, STAINLESS STEEL	2.000 EA
10XN2520S48	1/4-20 X 3 HEX HEAD SS	2.000 EA
HA3101S46	THRUBOLT 1/4-20 X 10.00	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	3.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
39FH4500A03G	DRIP COVER, STAMPED (GRAY EPOXY)	1.000 EA
XY3816S12	3/8-16 HEX FINISHED NUT SS	2.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	2.000 EA
06CB1503A01G	LIPPED CONDUIT BOX LID, MACH GRAY EPOXY	1.000 EA
06GS1009	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 EA
HA3400S09	STUD-3/8-16 X 2.75	4.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	4.000 EA
HW3208S01	3/8-16 EYE NUT	2.000 EA
HW1001S38	WASHER, 3/8 SPLT LK, STAINLESS STEEL	2.000 EA
10XN2520S12	BOLT 1/4 - 20X 3/4 HEX HEAD SS (F/S)	2.000 EA
HW1001S25	WASHER, 1/4 SPLT LK, STAINLESS STEEL	2.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X .35 VITON	1.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 LB
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN 8	0.028 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
NP3258E	SS CP SUPER-E DIV-2 UL CSA-C US EEV CC	1.000 EA
NP3261E	SS CP SUPER-E AUX DATA INFORMATION	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA

PK3082	STYROFOAM CRADLE	1.000 EA
PK6503	STRUCTURAL WOOD PSC 1X6X8	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA

AC Induction Motor Performance Data

Record # 35861

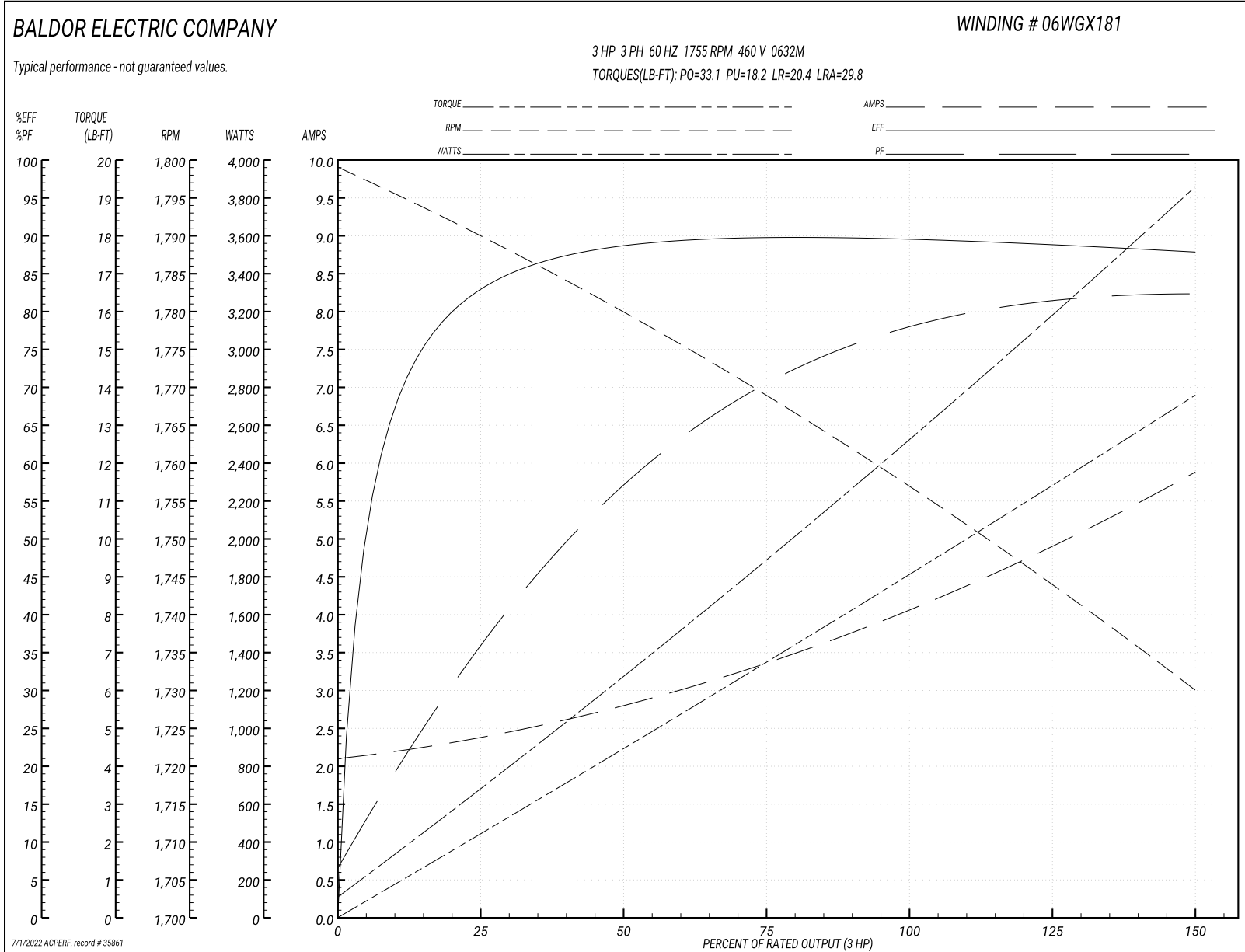
Typical performance - not guaranteed values

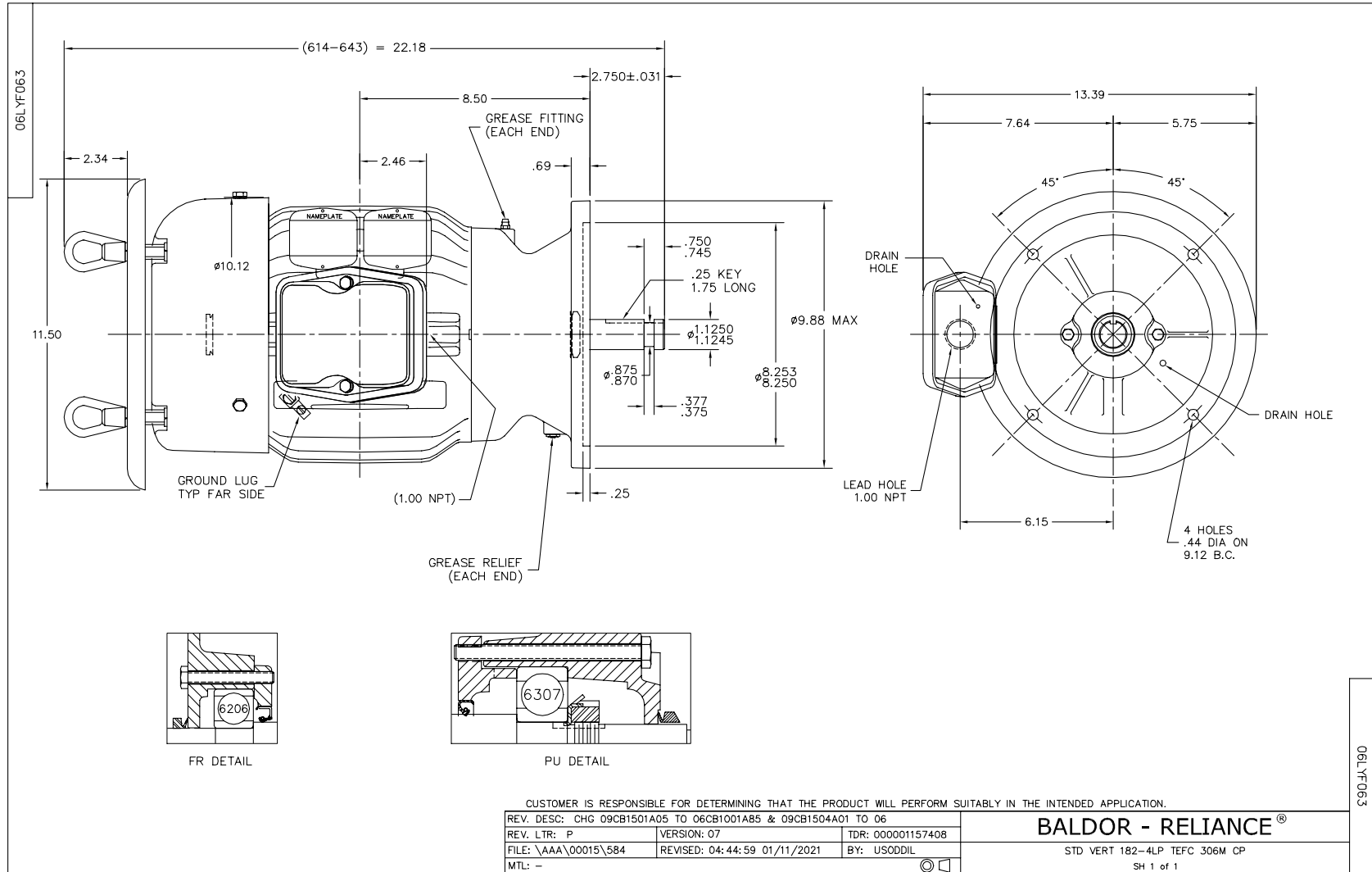
Winding: 06WGX181-R006		Type: 0632M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	3	Full Load Torque	9.06 LB-FT		
Volts	230/460	Start Configuration	direct on line		
Full Load Amps	8.2/4.1	Breakdown Torque	33.1 LB-FT		
R.P.M.	1755	Pull-up Torque	18.2 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque	20.4 LB-FT	
NEMA Design Code	B KVA Code	J	Starting Current	29.8 A	
Service Factor (S.F.)	1.15		No-load Current	2.14 A	
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25°C	3.94 Ω
Rating - Duty	40C	AMB-CONT		Temp. Rise @ Rated Load	35°C
S.F. Amps				Temp. Rise @ S.F. Load	42°C
				Locked-rotor Power Factor	41
				Rotor inertia	0.298 LB-FT ²

Load Characteristics 460 V, 60 Hz, 3 HP

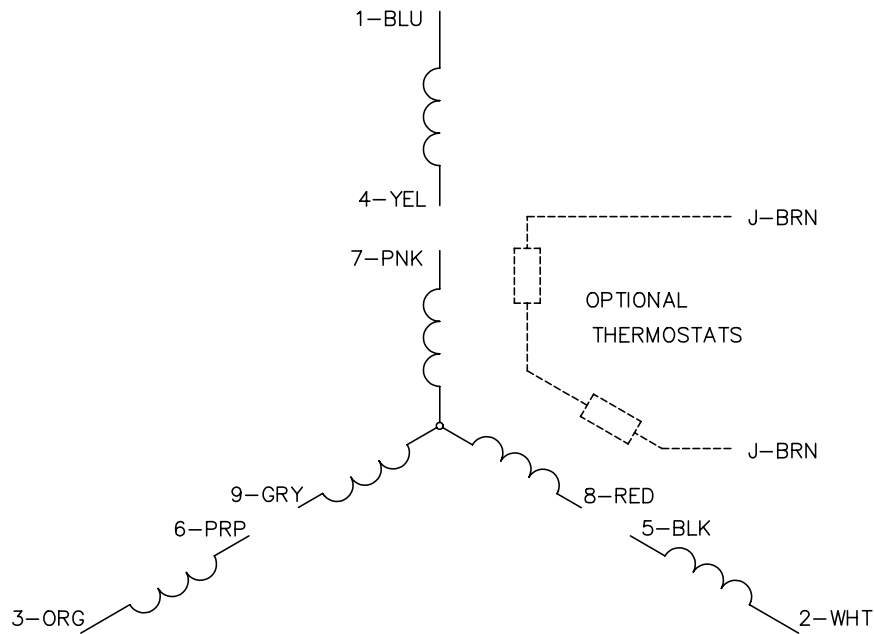
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	70	77	81	83	79
Efficiency	83.2	88.3	89.8	89.7	89.1	87.7	89.3
Speed	1790	1779	1769	1757	1744	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

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

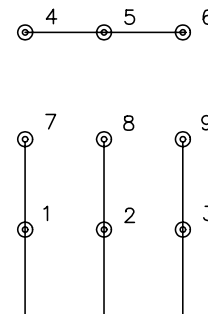




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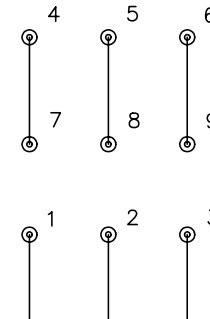


LOW VOLTAGE
(2Y)



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

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