

BALDOR® • RELIANCE

Product Information Packet

IDVSNM2238T

10HP,1775RPM,3PH,60HZ,254TC,TENV,FOOT,

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0948M	Elec. Spec:	09WGY402	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	09F278	Layout:	09LYF278
Frame:	254TC	Mounting:	F1	Poles:	04	Created Date:	02-10-2012
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-17-2014
Leads:	9#12					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1163L									
CAT NO	IDVSNM2238T								
SPEC.	09F278Y402G2								
FRAME	254TC	HP	10 TE						
VOLTS	230/460								
MAG CUR	11.2/5.6	FLA	26/13						
RPM	1770	RPM MAX	2700						
HZ	60	PH	3	CLASS		F			
SER.F.	1.00	DES	B	SL HZ		0.9			
NEMA-NOM-EFF	91.7	WK2	2.1						
BLWR V		PH		HZ			A		
RATING	40C AMB-CONT								
DE BRG	6309	ODE BRG	6208						
CC		SN							
	1.5:1 C HP PWM								

Parts List		
Part Number	Description	Quantity
SA238900	SA 09F278Y402G2	1.000 EA
RA225813	RA 09F278Y402G2	1.000 EA
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLOCKWASHER	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
09EP1300A12	ENDPLATE, MACH	1.000 EA
HW4600B44SP	V-RING SLINGER 1.500 X 2.290 X 0.280	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
09EP1100A119	FREP TEBC/TENV W/THRU SHAFT ENCODER DESI	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3113A03	THRUBOLT 3/8-16 X 14.125	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HA6881	BEI HS35 THRU SHAFT ENCODER PROTECTIVE C	1.000 EA
10XN2520K12	1/4-20 X.75 GRD 5	1.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
10XN3816K12	3/8-16 X 3/4 HEX HD CAP GRADE 5	3.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	3.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.080 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1163L	ALUM INV UL CSA CC	1.000 EA
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

REL. S.O.	IDVSNM2238T	VOLTS	460	ENCLOSURE	TEFC	WYE/CONNECTION	CKT OHMS PER PHASE
FRAME	254TC	AMPS	13	MAX SAFE RPM	5400	(AT BASE RATING, 25°C)	
HP	10	DUTY	CONT	In (AMPS)	5.6	R1	0.3390
BASE SPEED	1770	S.F.	1.00	P.F. @NL/FL	6/78	R2	0.2730
PHASE/HZ	3/60	AMB°C/INSUL	40/F	WK² (lb-ft²)	2.1	X1	0.1364
						X2	1.6460
						XM	45.2050

Rated Full Load Data

	RPM	HP	Torque	Volts	Freq-Hz	Amps
Base Speed	1773	10.1	29.8	460	60	13.0
Max Speed	2659	10.0	19.8	460	90	11.6
Min Speed	0	0.0	29.7	18.46	0.90	13.0

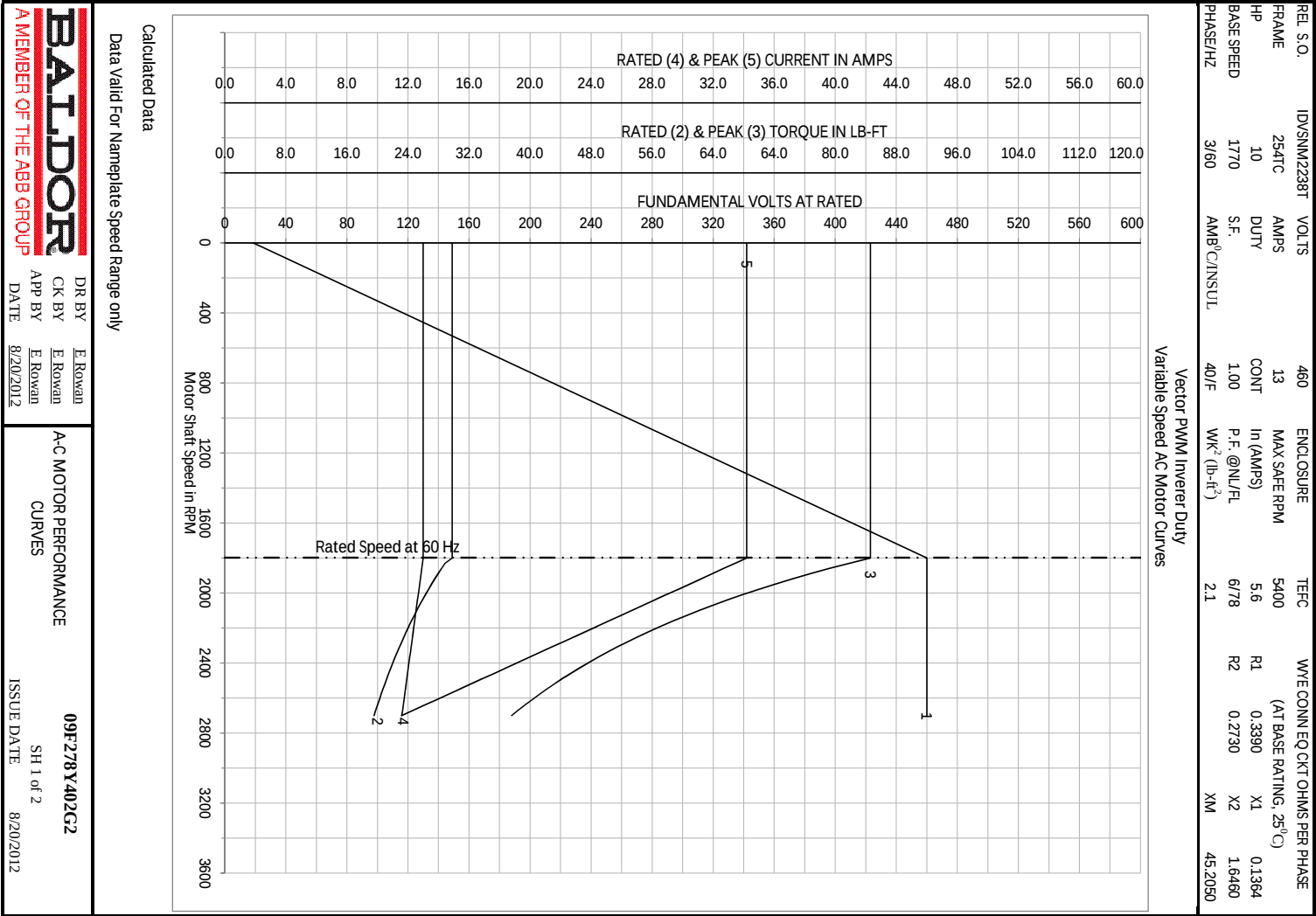
Load Performance at Base Speed

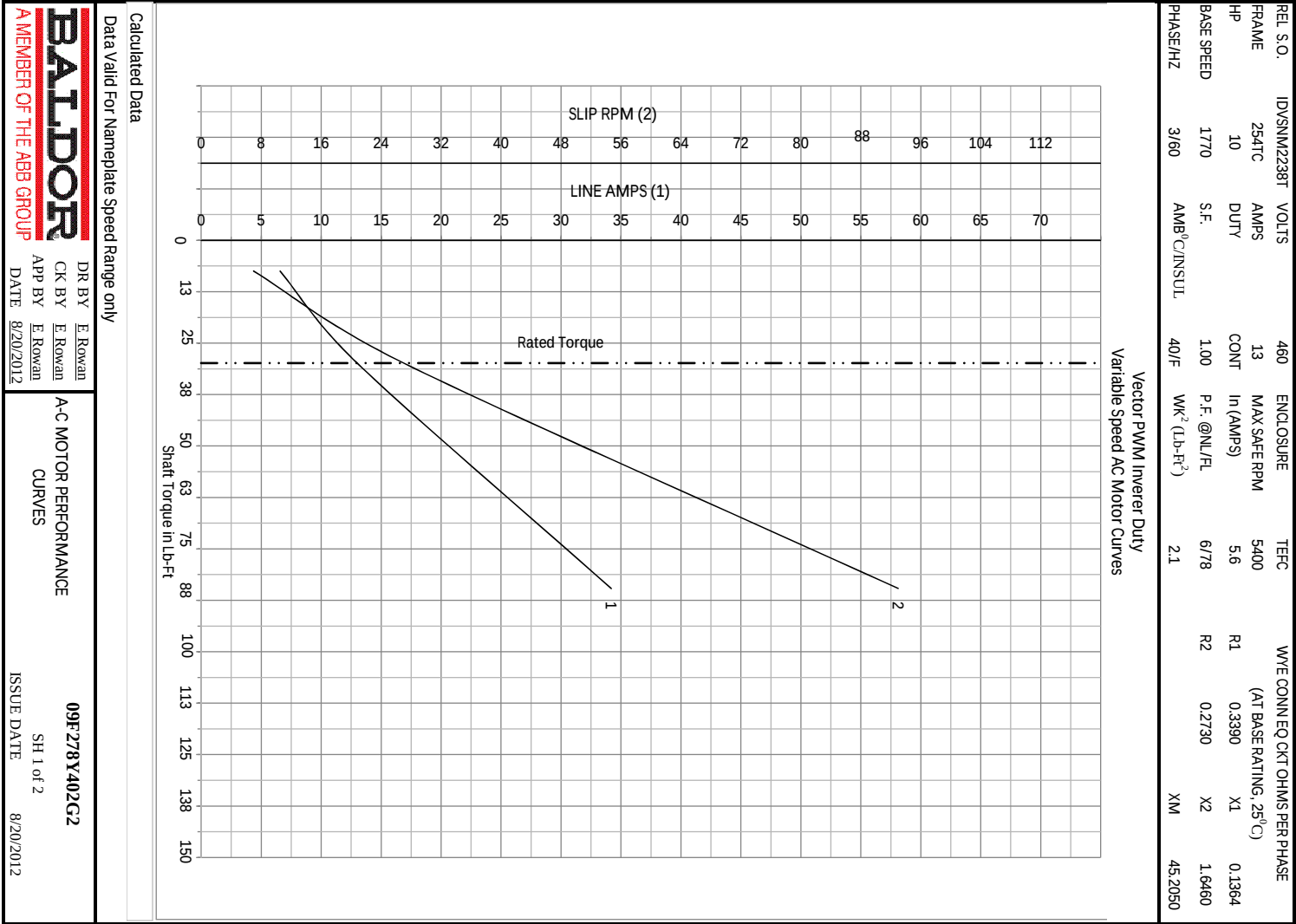
	RPM	HP	Torque	Volts	Freq-Hz	Amps
No Load	1799	0.0	0.0	460	60	5.6
1/4	1793	2.5	7.5	460	60	6.6
1/2	1787	5.1	14.9	460	60	8.1
3/4	1780	7.6	22.4	460	60	10.4
Full Load	1773	10.1	29.8	460	60	13.0
O/L	1707	27.5	84.6	460	60	34.2

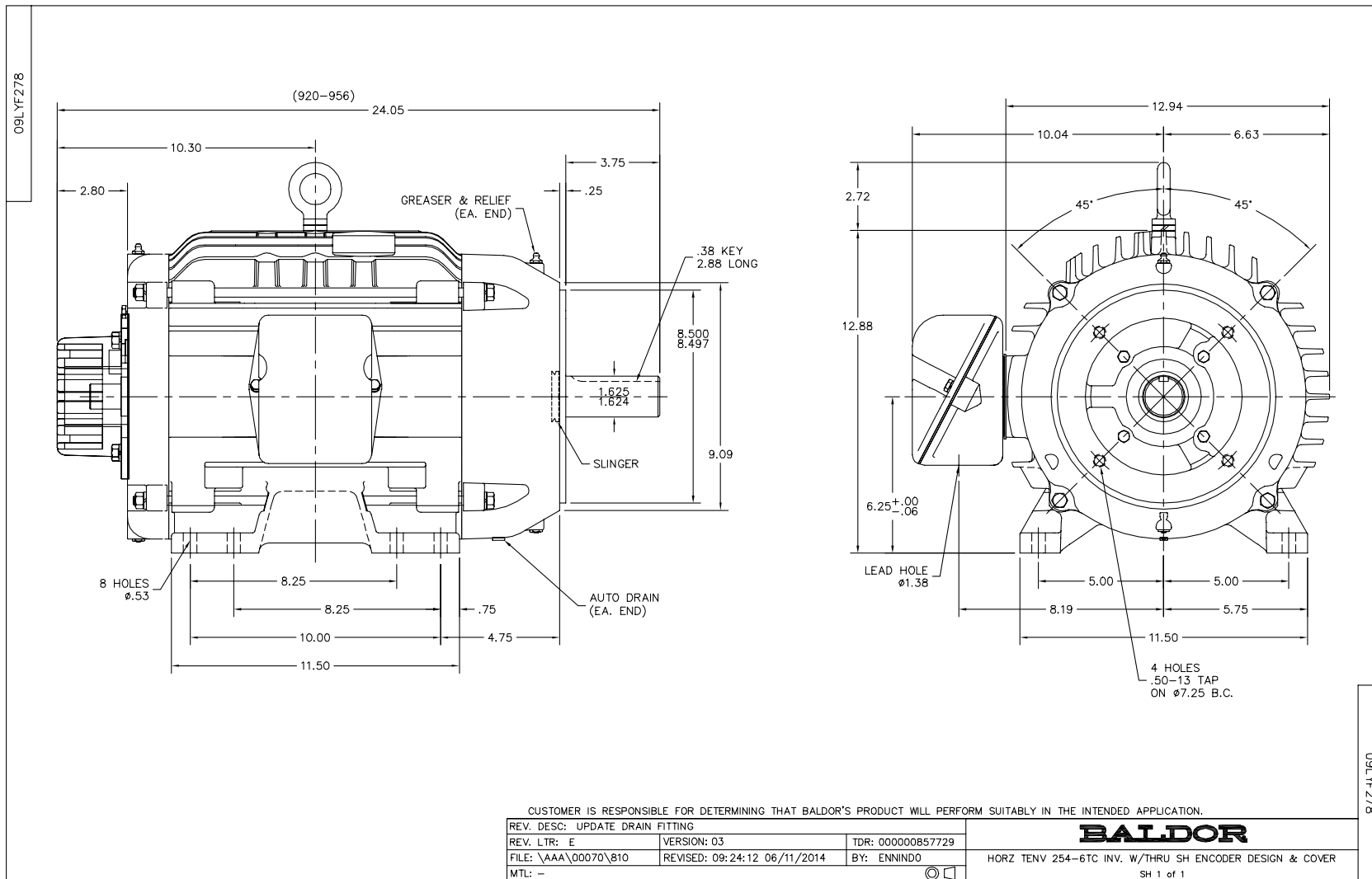
Blower Data	Volts	Ph/Hz	FL Amps	L.R Amps	Frame	CFM

Remarks: Calculated Data
Vector PWM Inverter Duty

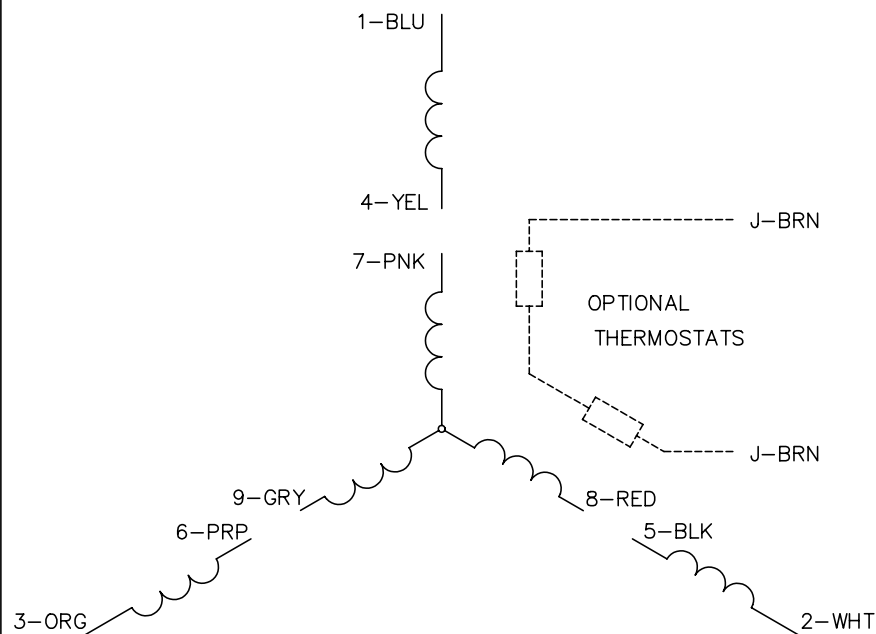
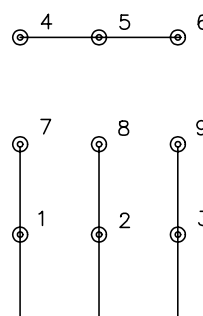
BALDOR		DR BY <u>E. Rowan</u>	A-C MOTOR	09F278Y402G2
A MEMBER OF THE ABB GROUP		CK BY <u>E. Rowan</u>	PERFORMANCE CURVES	
		APP BY <u>E. Rowan</u>		
		DATE <u>8/20/2012</u>	ISSUE DATE	8/20/2012



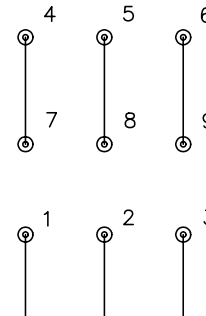




CD0005

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