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Product Information Packet

M3557

1.5HP,1140RPM,3PH,60HZ,56H,3529M,TEFC,F1

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Part Detail							
Revision:	L	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3529M	**Elec. Spec:**	35WGM899	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	35H876	**Layout:**	35LYH876
Frame:	56H	**Mounting:**	F1	**Poles:**	06	**Created Date:**	01-12-2011
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	03-08-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	M3557								
SPEC.	35H876M899G1								
HP	1.5								
VOLTS	208-230/460								
AMP	5-4.9/2.45								
RPM	1140								
FRAME	56H		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	B		**CLASS**	F	
NEMA-NOM-EFF	80	**PF**	72						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**			
DE	6205		**ODE**	6203					
ENCL	TEFC	**SN**							

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AC Induction Motor Performance Data

Record # 33199 - Typical performance - not guaranteed values

Winding: 35WGM899-R001	**Type:** 3529M	**Enclosure:** TEFC

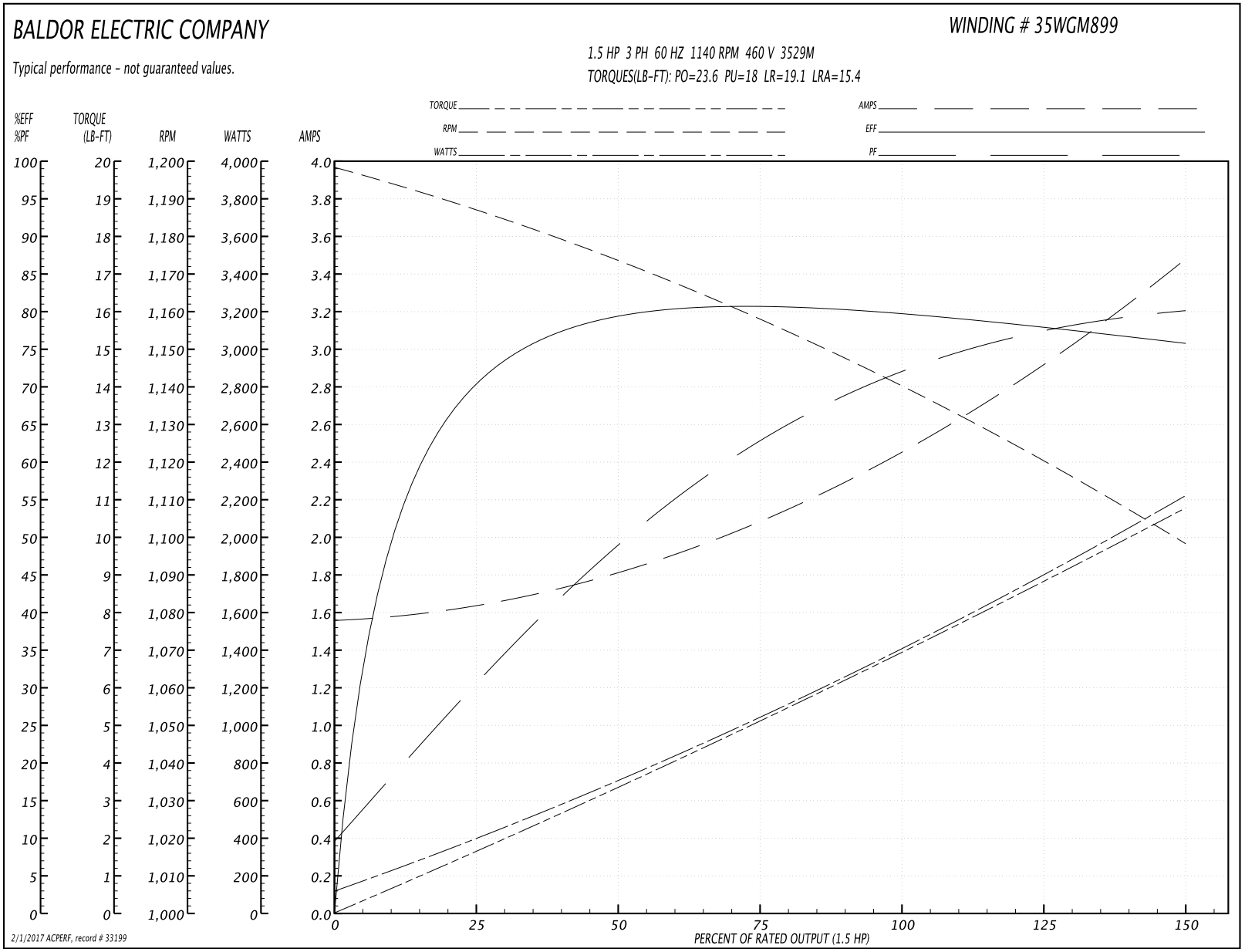
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	6.97 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.1-5/2.5			Breakdown Torque	23.6 LB-FT
R.P.M.	1140			Pull-up Torque	18 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	15.4 A
Service Factor (S.F.)	1.15			No-load Current	1.56 A
NEMA Nom. Eff.	80	Power Factor	72	Line-line Res. @ 25ºC	11.121 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	84°C
S.F. Amps				Temp. Rise @ S.F. Load	104°C
				Locked-rotor Power Factor	50
				Rotor inertia	0.172 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	63	72	77	80	75
Efficiency	70.6	79.3	81.3	80.6	78.6	75.7	79.4
Speed	1186.7	1173	1158.4	1140.3	1121.1	1097.7	1129
Line amperes	1.63	1.81	2.09	2.45	2.92	3.48	2.73

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Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



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AC Induction Motor Performance Data

Record # 53824 - Typical performance - not guaranteed values

Winding: 35WGM899-R001	**Type:** 3529M	**Enclosure:** TEFC

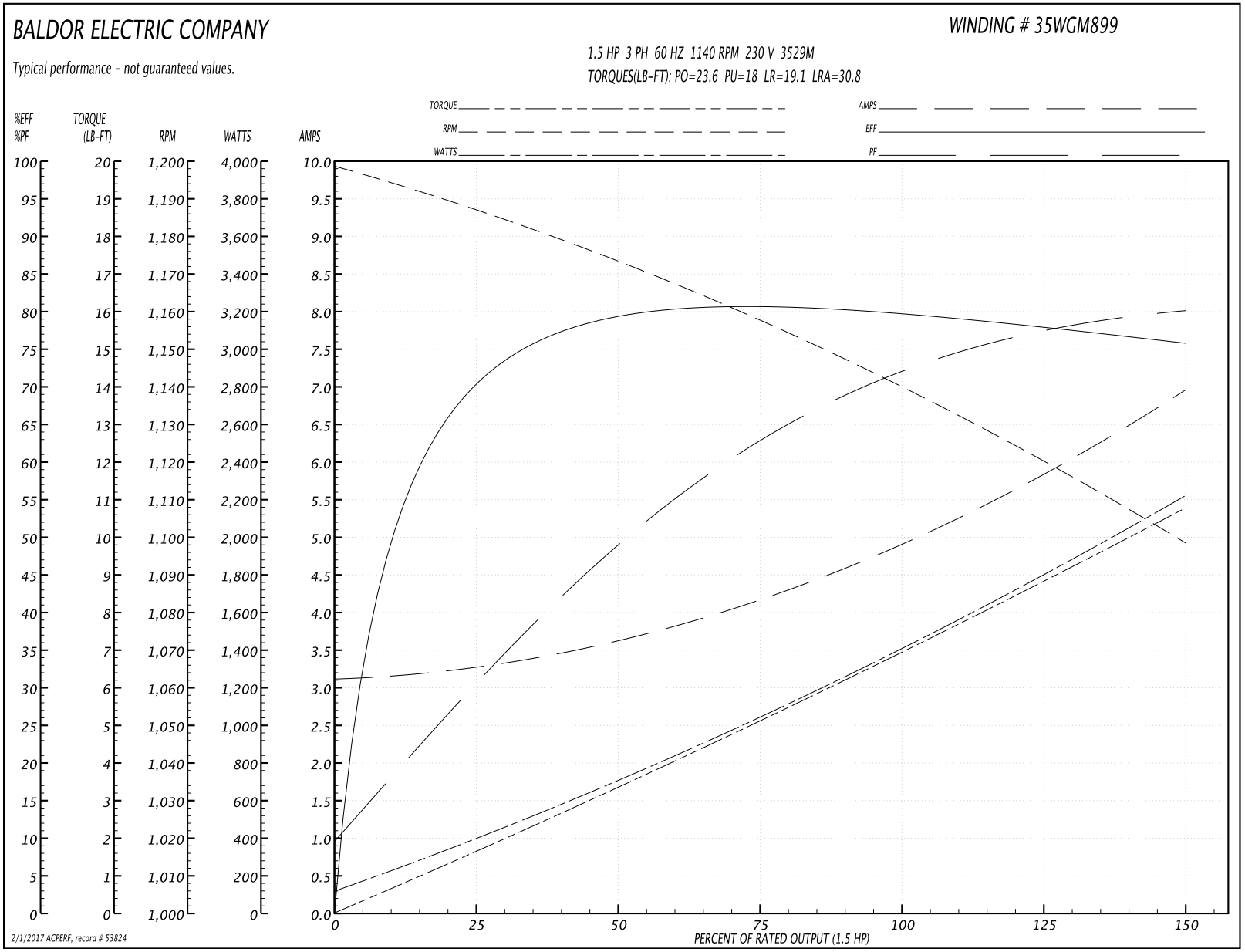
Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	6.97 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5-4.9/2.45			Breakdown Torque	23.6 LB-FT
R.P.M.	1140			Pull-up Torque	18 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	30.8 A
Service Factor (S.F.)	1.15			No-load Current	3.12 A
NEMA Nom. Eff.	80	Power Factor	72	Line-line Res. @ 25ºC	2.75 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	84°C
S.F. Amps				Temp. Rise @ S.F. Load	100°C
				Locked-rotor Power Factor	50.2
				Rotor inertia	0.172 LB-FT2

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	63	72	77	80	75
Efficiency	69	78.4	80.3	80.6	78.2	75.5	79.2
Speed	1187	1173	1158	1140	1121	1098	1129
Line amperes	3.26	3.62	4.18	4.9	5.84	6.96	5.46

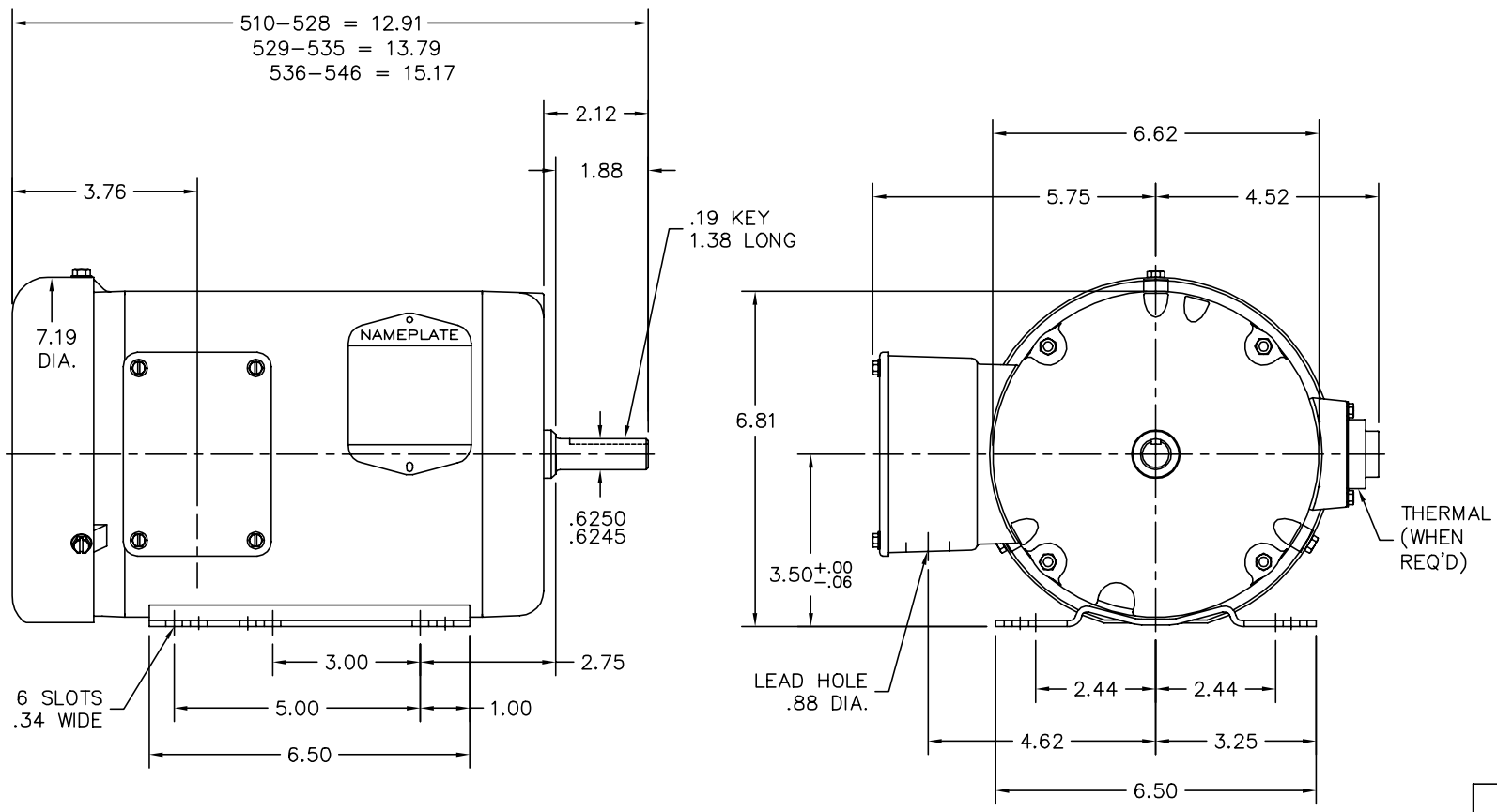
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Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values



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35LYH876



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE PARTS, ADD/FIX DIMS & STANDARIZE DESC.		
REV. LTR: F	VERSION: 02	TDR: 000000918223
FILE: \AAA\00010\297	REVISED: 11:57:05 04/02/2015	BY: ENMAIYO
MTL: –		

BALDOR

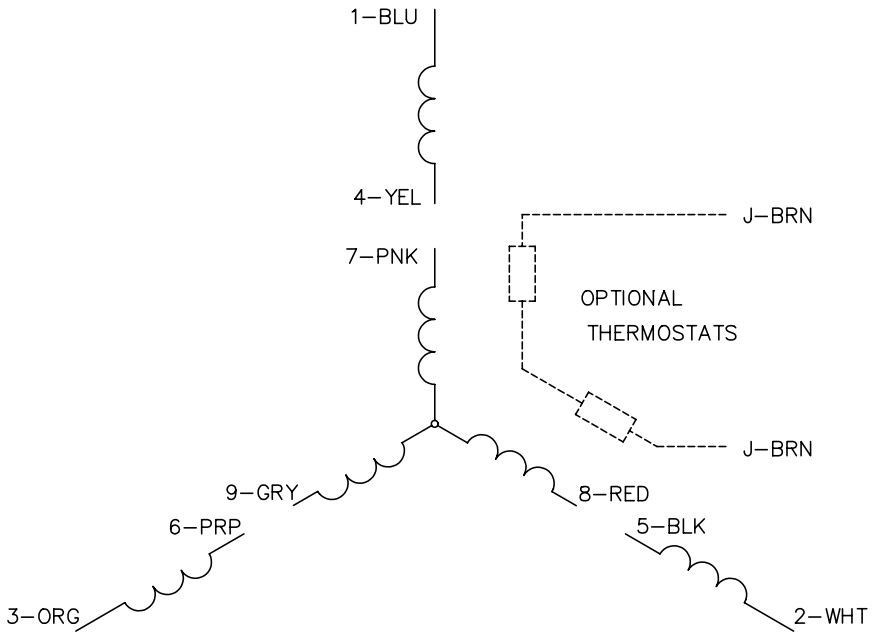
STD HORZ 56/56H TEFC 35M

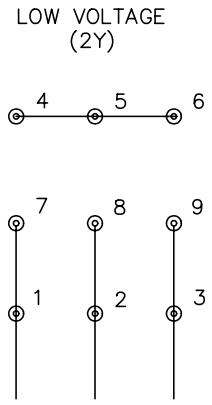
SH 1 of 1

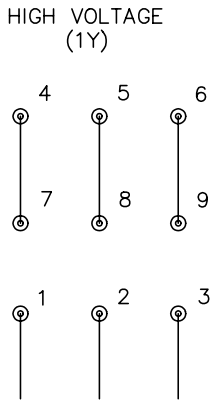
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CD0005







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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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