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Product Information Packet

VM3555T

2HP,3450RPM,3PH,60HZ,143TC,3526M,TEFC,F1

Part Detail

Revision:	N	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGT962	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	35AA003	**Layout:**	35LYAA003	**Poles:**	02	**Created Date:**	06-02-2010
Base:	N	**Eff. Date:**	11-07-2017	**Leads:**	9#18		

Specs

Catalog Number:	VM3555T	**Insulation Class:**	B
Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	143TC	**KVA Code:**	L
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	460.0 V @ 60 HZ	**Motor Type:**	3526M
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	88
Agency Approvals:	UR	**Product Family:**	General Purpose
	CSA	**Pulley End Bearing Type:**	Ball
Auxillary Box:	No Auxillary Box	**Pulley Face Code:**	C-Face
Auxillary Box Lead Termination:	None	**Pulley Shaft Indicator:**	Standard
Base Indicator:	No Mounting	**Rodent Screen:**	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	**RoHS Status:**	ROHS COMPLIANT
Blower:	None	**Shaft Extension Location:**	Pulley End

Current @ Voltage:	2.600 A @ 460.0 V	**Shaft Ground Indicator:**	No Shaft Grounding
	5.200 A @ 230.0 V	**Shaft Rotation:**	Reversible
	5.600 A @ 208.0 V	**Shaft Slinger Indicator:**	No Slinger
Design Code:	B	**Speed Code:**	Single Speed
Drip Cover:	No Drip Cover	**Motor Standards:**	NEMA
Duty Rating:	CONT	**Starting Method:**	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Bearing:**	None
Feedback Device:	NO FEEDBACK	**Thermal Device - Winding:**	None
Front Face Code:	Standard	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Shaft Indicator:	None	**Winding Thermal 1:**	None
Heater Indicator:	No Heater	**Winding Thermal 2:**	None

Nameplate NP1256L

CAT.NO.	VM3555T								
SPEC.	35AA003T962H1								
HP	2								
VOLTS	208-230/460								
AMP	5.6-5.2/2.6								
RPM	3450								
FRAME	143TC		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B		**CLASS**	B	
NEMA-NOM-EFF	84	**PF**	88						
RATING	40C AMB-CONT								
CC	010A					**USABLE AT 208V**	5.6		
DE	6205			**ODE**	6203				
ENCL	TEFC	**SN**							
	NOT FOR USE IN USA								

AC Induction Motor Performance Data

Record # 9718 - Typical performance - not guaranteed values

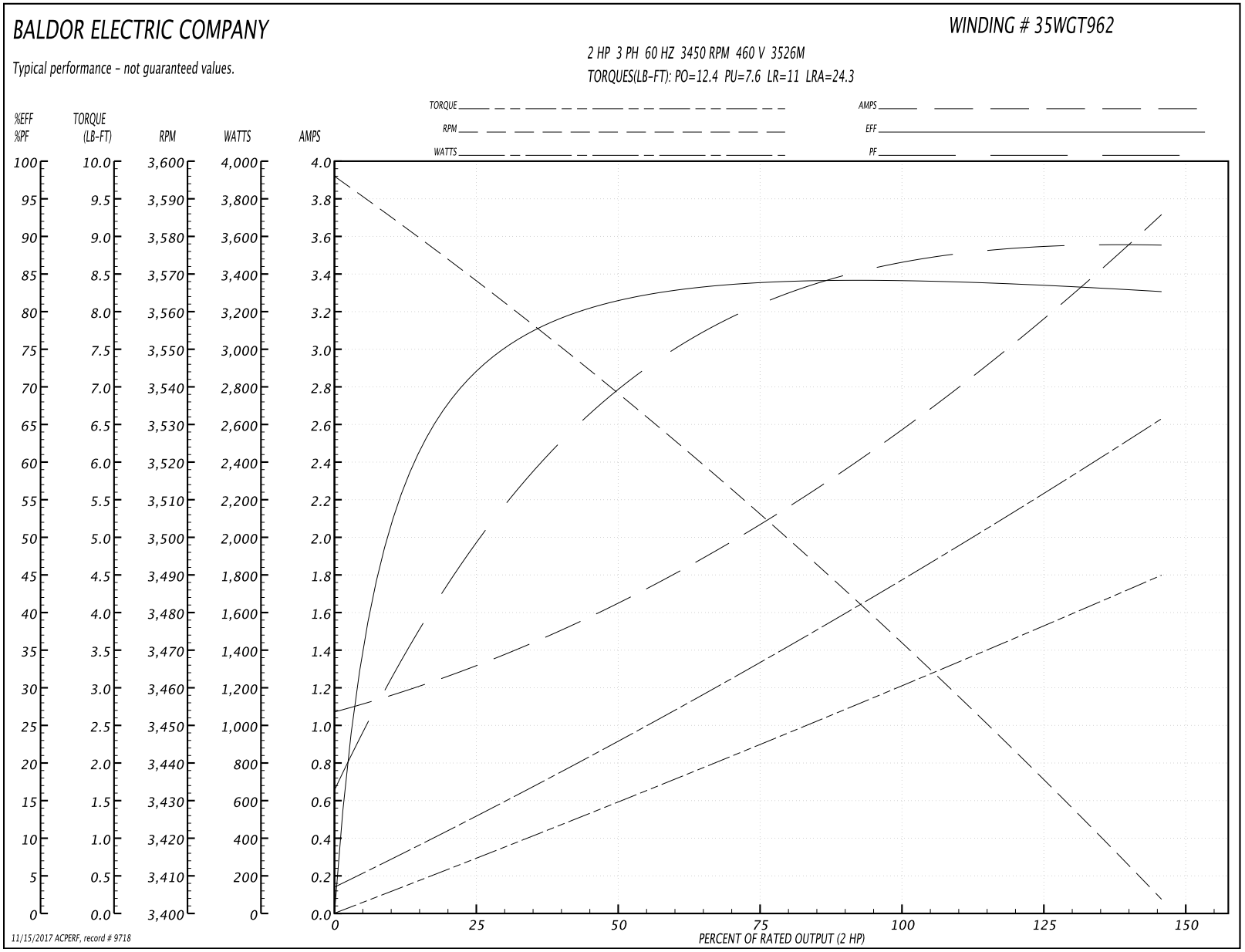
Winding: 35WGT962-R001	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.6-5.2/2.6			Breakdown Torque	12.4 LB-FT
R.P.M.	3450			Pull-up Torque	7.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.3 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	84	Power Factor	88	Line-line Res. @ 25ºC	7.86 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 20594 - Typical performance - not guaranteed values

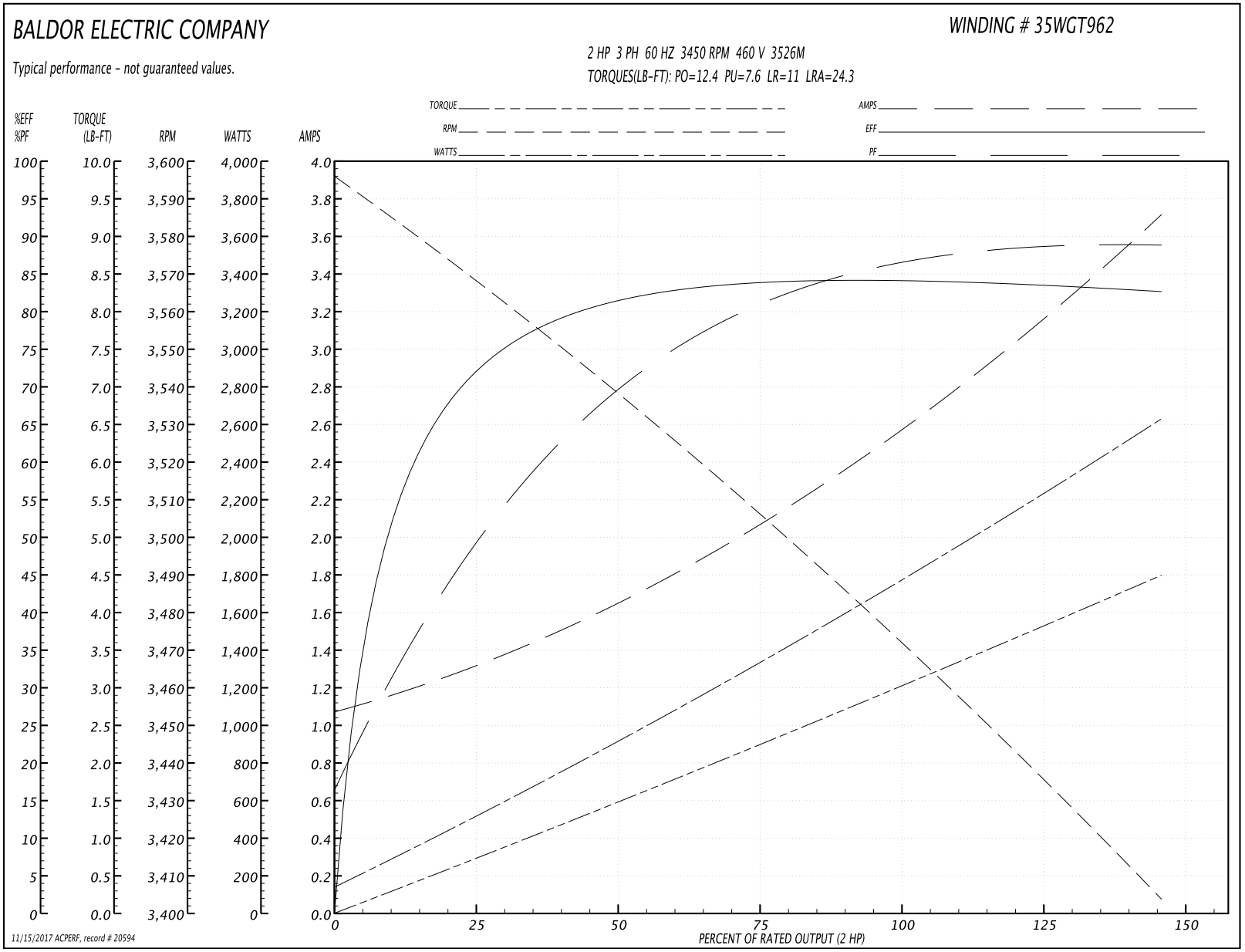
Winding: 35WGT962-R008	**Type:** 3526M	**Enclosure:** TEFC

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	3 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.6-5.2/2.6			Breakdown Torque	12.4 LB-FT
R.P.M.	3450			Pull-up Torque	7.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	24.3 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	84	Power Factor	88	Line-line Res. @ 25ºC	7.86 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	55°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0712 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	73	80	85	89	89	87
Efficiency	72.7	81.2	83.8	84.2	83.7	82.6	83.9
Speed	3563	3537	3507	3475	3440	3402	3454
Line amperes	1.3	1.6	2.1	2.6	3.1	3.7	2.9

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values



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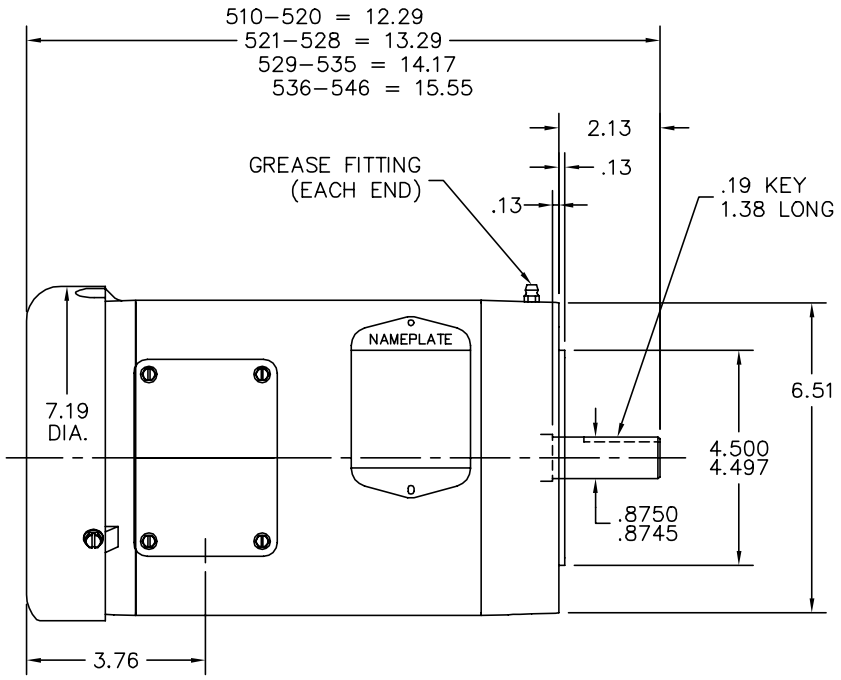
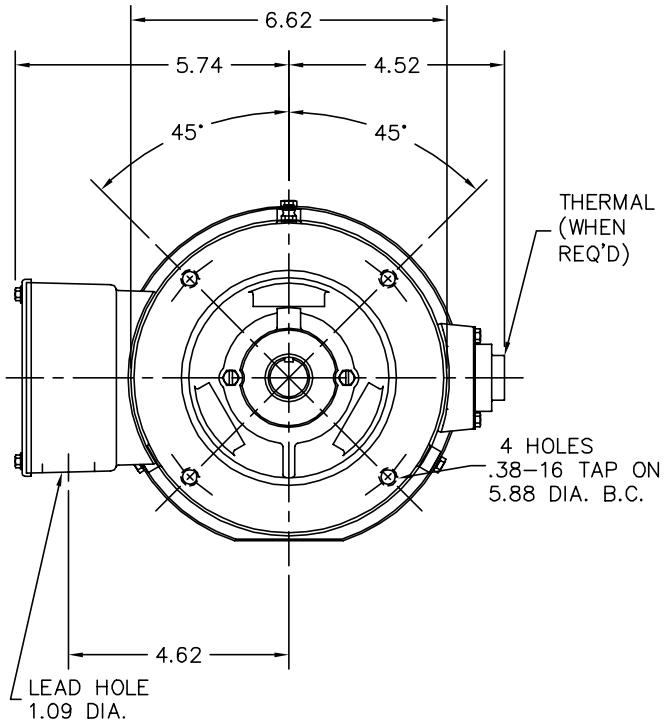


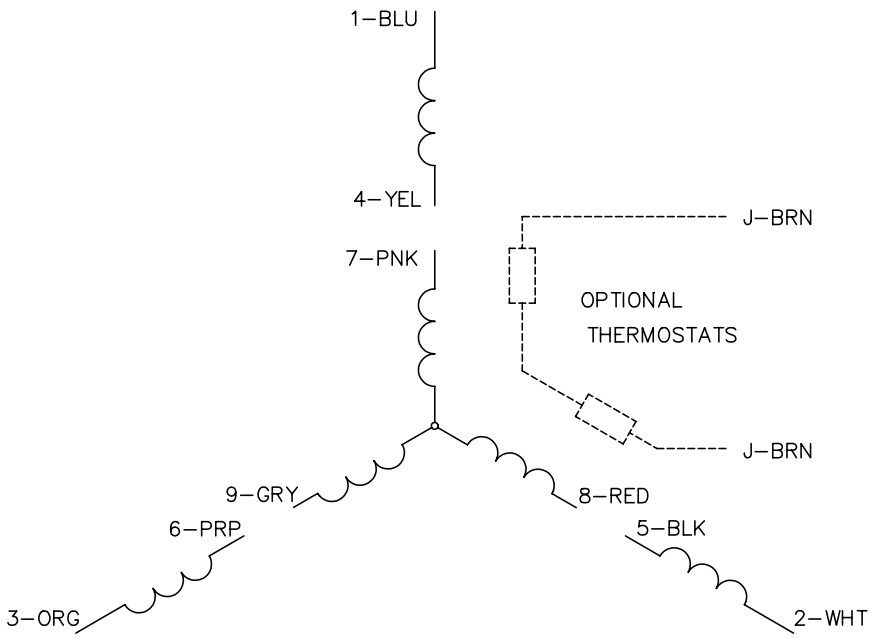


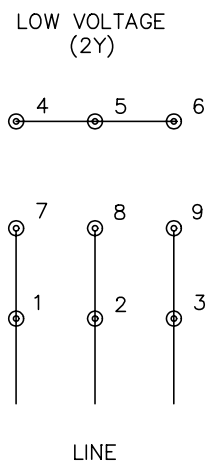
35LYAA003

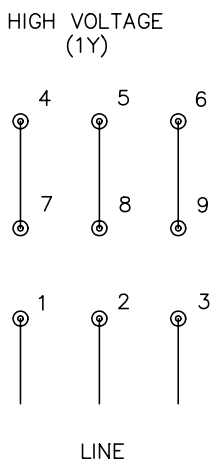
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW VERSION OF A003 W/1.09 LEAD HOLE			BALDOR • DODGE • RELIANCE
REV. LTR: –	VERSION: 00	TDR: 000000538422	
FILE: \AAA\00172\065		REVISED: 08:22:31 05/24/2010	STD VERT 143–5TC TEFC 35M
MTL: –		BY: ENJERWO	SH 1 of 1

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