ABB BALDOR RELIANCE

Customer information packet

CEWWDM3559T

3HP, 3450RPM, 3PH, 60HZ, 145TC, 3532M, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.600 A @ 460.0 V
	7.200 A @ 230.0 V
	7.900 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	D
Type	AC
Mech. spec.	35E1678
Base	
Status	INA/A
Elec. spec.	35WGQ060
Layout	35LYE1678
Eff. date	07-27-2016
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	09-16-2013

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.6 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.17 IN
Power Factor	92
Product Family	Super White Washdown
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1669L								
CAT.NO.	CEWWDM3559T							
SPEC.	35E1678Q060G1							
HP	3							
VOLTS	208-230/460							
AMP	7.9-7.2/3.6							
RPM	3450							
FRAME	145TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	86.5	**PF**	92					
RATING	40C AMB-CONT							
CC	010A							
DE	6205	**ODE**	6205					
ENCL	TEFC	**SN**						
BLANK								

AC Induction Motor Performance Data
Record # 37570
Typical performance - not guaranteed values

Winding: 35WGQ060-R001	**Type:** 3532M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			3	**Full Load Torque**	4.61 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			7.9-7.2/3.6	**Breakdown Torque**	19.9 LB-FT
R.P.M.			3450	**Pull-up Torque**	11.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	18.8 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	33.1 A
Service Factor (S.F.)			1.15	**No-load Current**	1.17 A
NEMA Nom. Eff.	86.5	**Power Factor**	92	**Line-line Res. @ 25ºC**	4.7916 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	57°C
S.F. Amps				**Temp. Rise @ S.F. Load**	72°C
				Locked-rotor Power Factor	47
				Rotor inertia	0.0885 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	62	81	88	92	93	94	93
Efficiency	83.7	87.9	88.2	87.2	85.6	83.5	86.2
Speed	3562.2	3530.9	3497.8	3462.5	3420.8	3375.4	3437
Line amperes	1.5	2.08	2.79	3.57	4.46	5.44	4.1

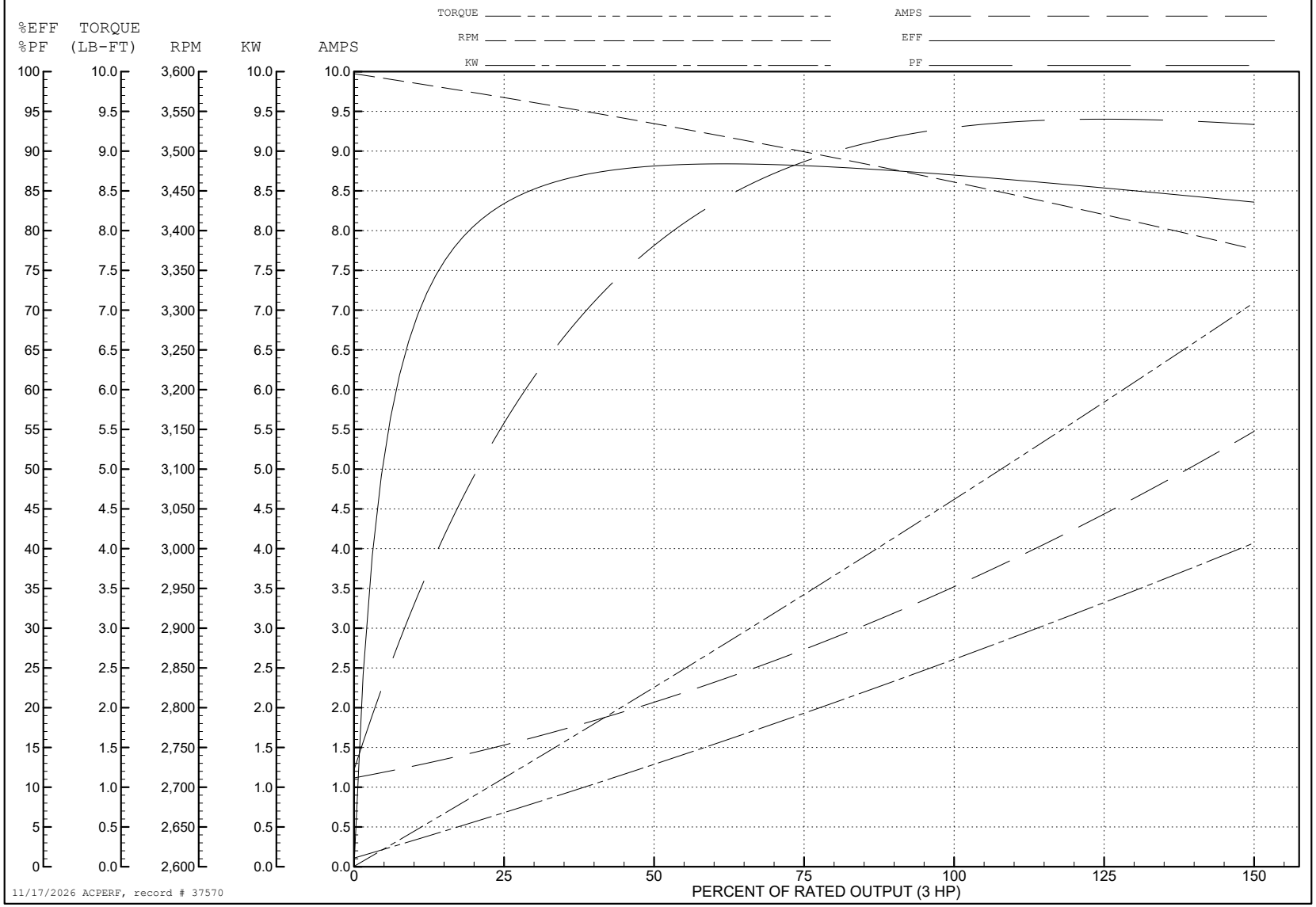
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WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=19.9 PU=11.9 LR=18.8 LRA=33.1



AC Induction Motor Performance Data
Record # 117003
Typical performance - not guaranteed values

Winding: 35WGQ060-R001	**Type:** 3532M	**Enclosure:** TEFC

Nameplate Data				**208 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			3	**Full Load Torque**	4.65 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			7.9-7.2/3.6	**Breakdown Torque**	16 LB-FT
R.P.M.			3450	**Pull-up Torque**	9.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	14.9 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	59 A
Service Factor (S.F.)			1.15	**No-load Current**	1.99 A
NEMA Nom. Eff.	86.5	**Power Factor**	92	**Line-line Res. @ 25ºC**	1.17 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	60°C
S.F. Amps				**Temp. Rise @ S.F. Load**	75°C
				Locked-rotor Power Factor	47.1
				Rotor inertia	0.0885 lb-ft²

Load Characteristics 208 V, 60 Hz, 3 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	71	87	92	94	94	94	94
Efficiency	86.1	89	88.3	86.6	84.3	81.4	85.2
Speed	3556	3518	3478	3433	3381	3320	3402
Line amperes	2.82	4.23	5.91	7.77	9.89	12.3	9.04

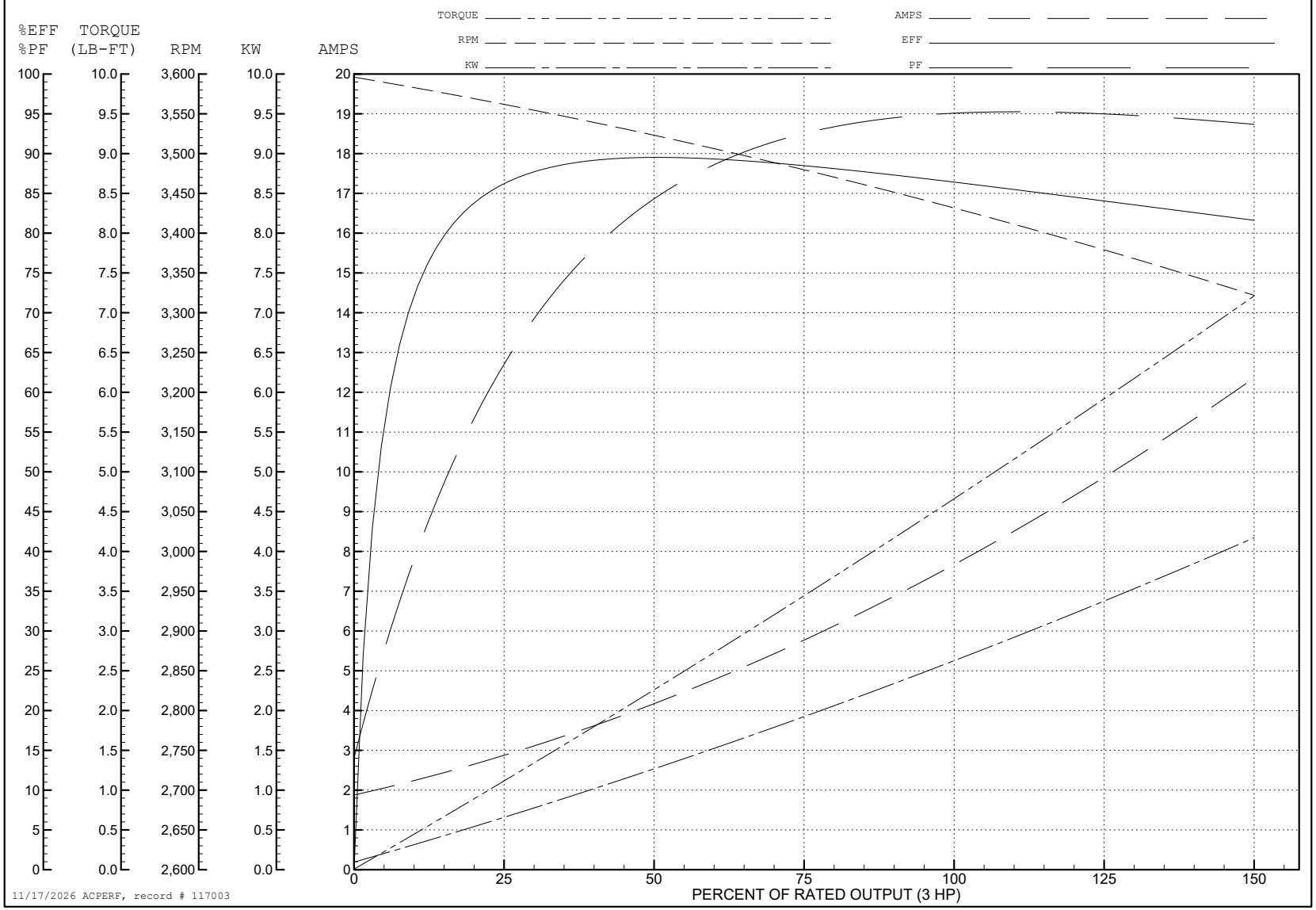
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WINDING # 35WGQ060

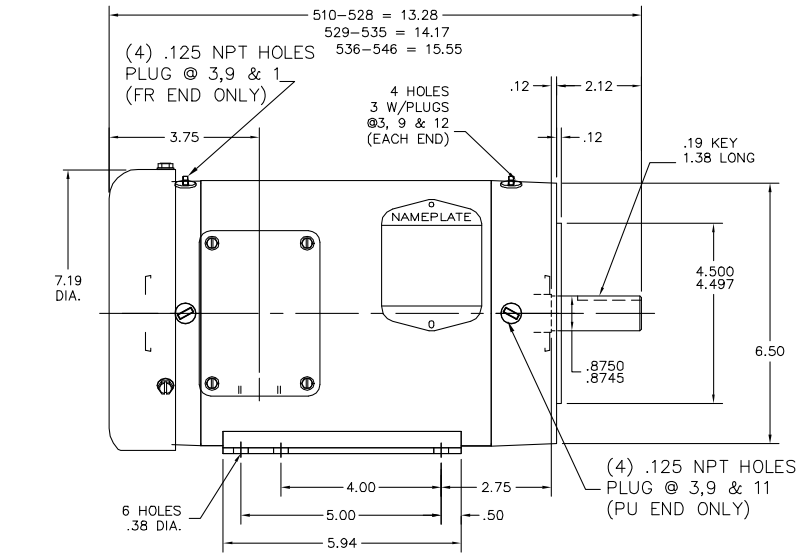
3 HP 3 PH 60 HZ 3450 RPM 208 V 3532M

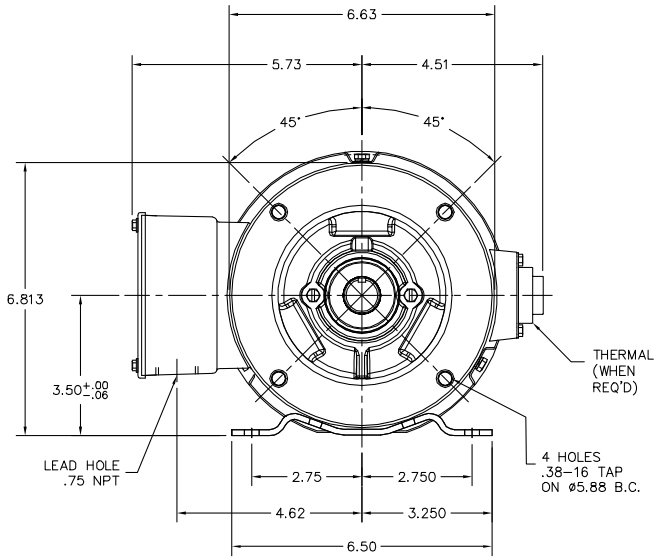
Typical performance - not guaranteed values.

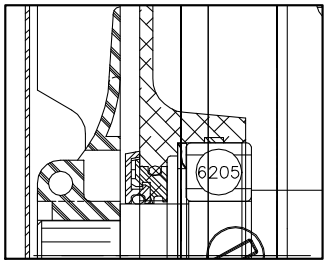
TORQUES(LB-FT): PO=16 PU=9.4 LR=14.9 LRA=59



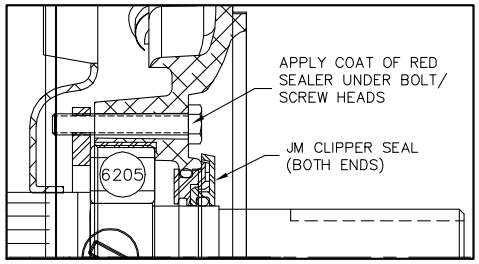
35LYE1678







FRONT END DETAIL



PULLEY END DETAIL

35LYE1678

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

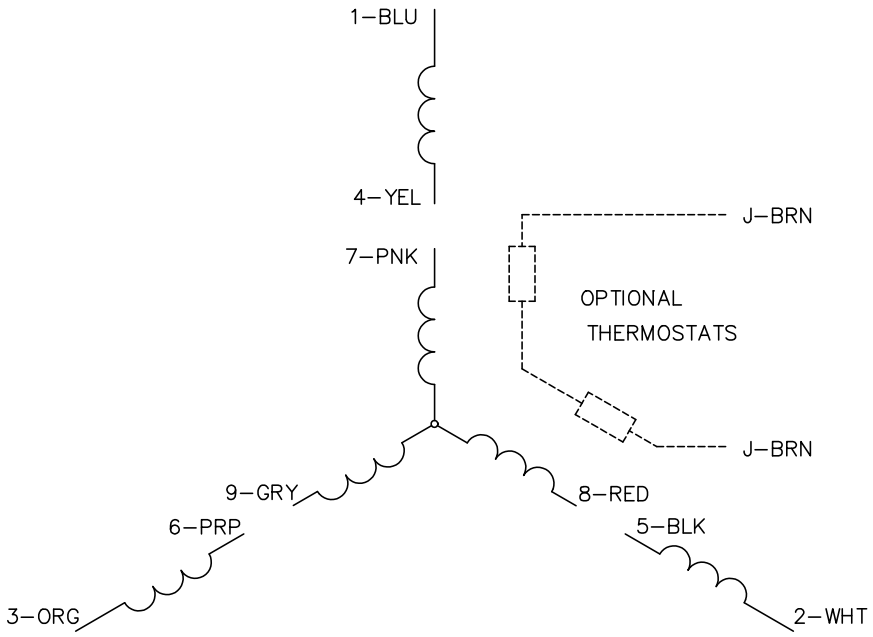
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FILE: \AAA\00196\418	REVISED: 09:49:43 06/28/2018	BY: USJOBUR22
MTL: –		

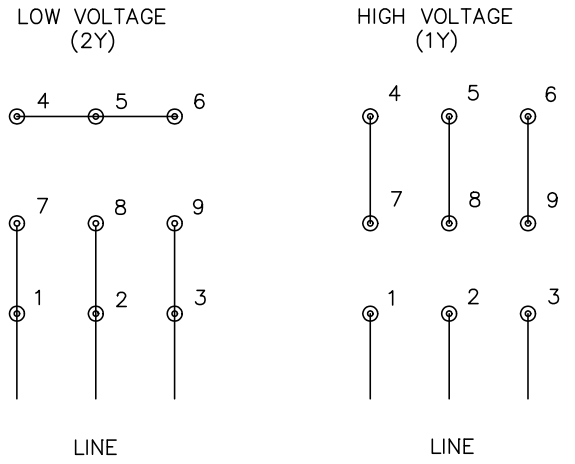
BALDOR - RELIANCE®

STD HORZ 143–5TC TEFC 35M WD6

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
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		MTL: –	3PH, DV, 9 LEADS