ABB BALDOR RELIANCE

Customer information packet

CEWWDM3558T

2HP, 1755RPM, 3PH, 60HZ, 145TC, 3528M, 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	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CSA EEV
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	5.800 A @ 230.0 V
	5.800 A @ 208.0 V
	2.900 A @ 460.0 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	F
Type	AC
Mech. spec.	35E1678
Base	
Status	NLA/A
Elec. spec.	35WGN909
Layout	35LYE1678
Eff. date	07-27-2016
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	06-20-2013

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.9 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	3528M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.28 IN
Power Factor	75
Product Family	Super White Washdown
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1755 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.	CEWWDM3558T							
SPEC.	35E1678N909G1							
HP	2							
VOLTS	208-230/460							
AMP	5.8/2.9							
RPM	1755							
FRAME	145TC	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	86.5	**PF**	75					
RATING	40C AMB-CONT							
CC	010A							
DE	6205	**ODE**	6205					
ENCL	TEFC	**SN**						
BLANK								

AC Induction Motor Performance Data
Record # 42530
Typical performance - not guaranteed values

Winding: 35WGN909-R001	**Type:** 3528M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	5.985 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.8/2.9	**Breakdown Torque**	24.9 LB-FT
R.P.M.			1755	**Pull-up Torque**	15.9 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	17.2 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	23.9 A
Service Factor (S.F.)			1.15	**No-load Current**	1.81 A
NEMA Nom. Eff.	86.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	8.1641 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	65°C
S.F. Amps				**Temp. Rise @ S.F. Load**	77°C
				Locked-rotor Power Factor	52
				Rotor inertia	0.165 lb-ft²

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	33	53	66	75	80	83	78
Efficiency	75.7	84.1	86.4	86.6	85.9	84.6	86.1
Speed	1790	1779.4	1768.5	1756.1	1742.7	1727.9	1748
Line amperes	1.89	2.11	2.46	2.91	3.4	4	3.2

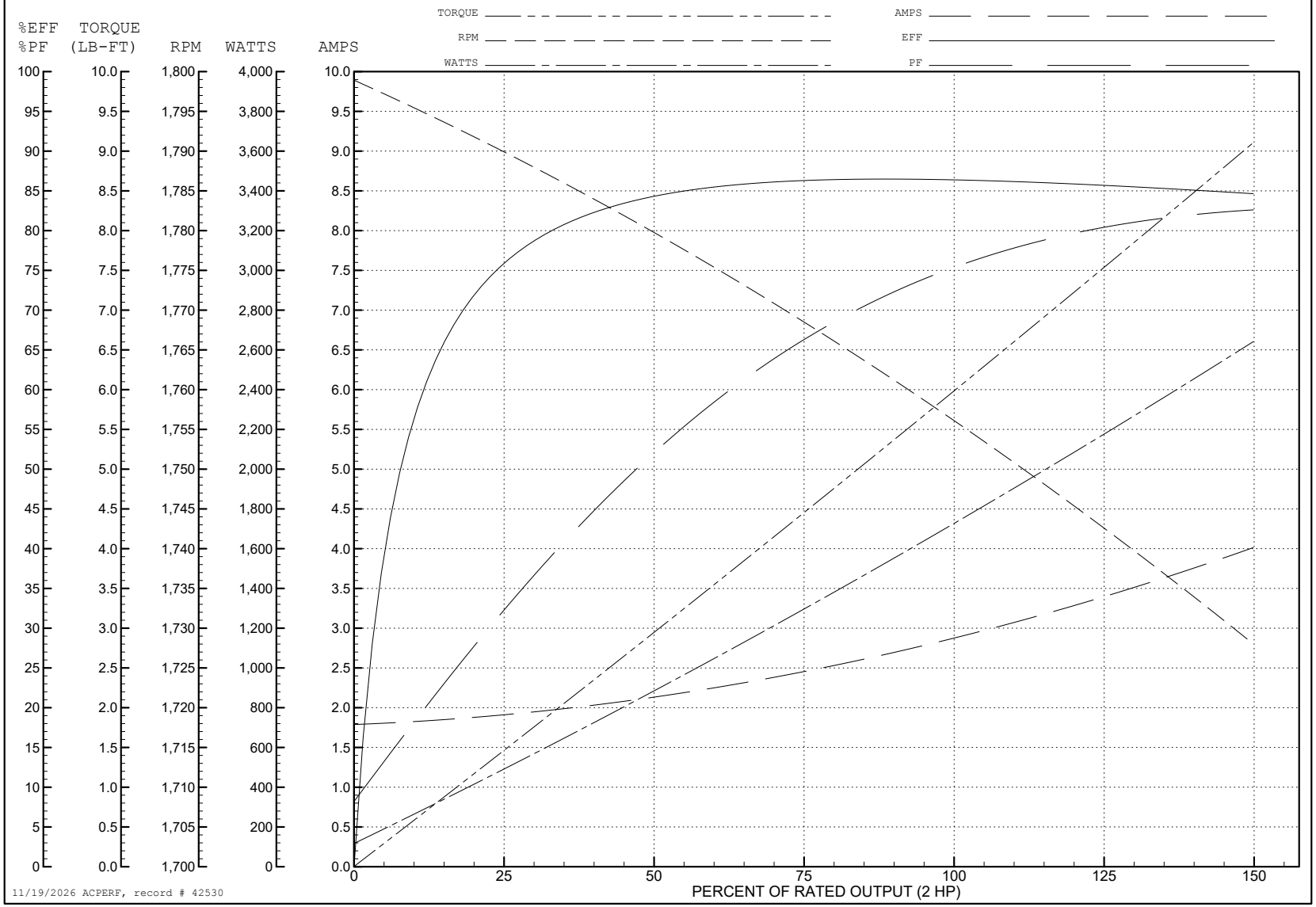
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WINDING # 35WGN909

2 HP 3 PH 60 HZ 1755 RPM 460 V 3528M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=24.9 PU=15.9 LR=17.2 LRA=23.9



AC Induction Motor Performance Data
Record # 45916
Typical performance - not guaranteed values

Winding: 35WGN909-R001	**Type:** 3528M	**Enclosure:** TEFC

Nameplate Data				**208 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	6.01 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.8/2.9	**Breakdown Torque**	19.9 LB-FT
R.P.M.			1755	**Pull-up Torque**	12.3 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	13.3 LB-FT
NEMA Design Code	B	**KVA Code**	L	**Starting Current**	41.9 A
Service Factor (S.F.)			1.15	**No-load Current**	2.83 A
NEMA Nom. Eff.	86.5	**Power Factor**	75	**Line-line Res. @ 25ºC**	2 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	65°C
S.F. Amps				**Temp. Rise @ S.F. Load**	80°C
				Locked-rotor Power Factor	51
				Rotor inertia	0.165 LB-FT2

Load Characteristics 208 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	65	76	82	86	87	84
Efficiency	79.5	86	87.2	86.5	85.3	83.2	85.8
Speed	1788	1775	1762	1747	1730	1711	1737
Line amperes	3.09	3.74	4.67	5.83	7.07	8.58	6.57

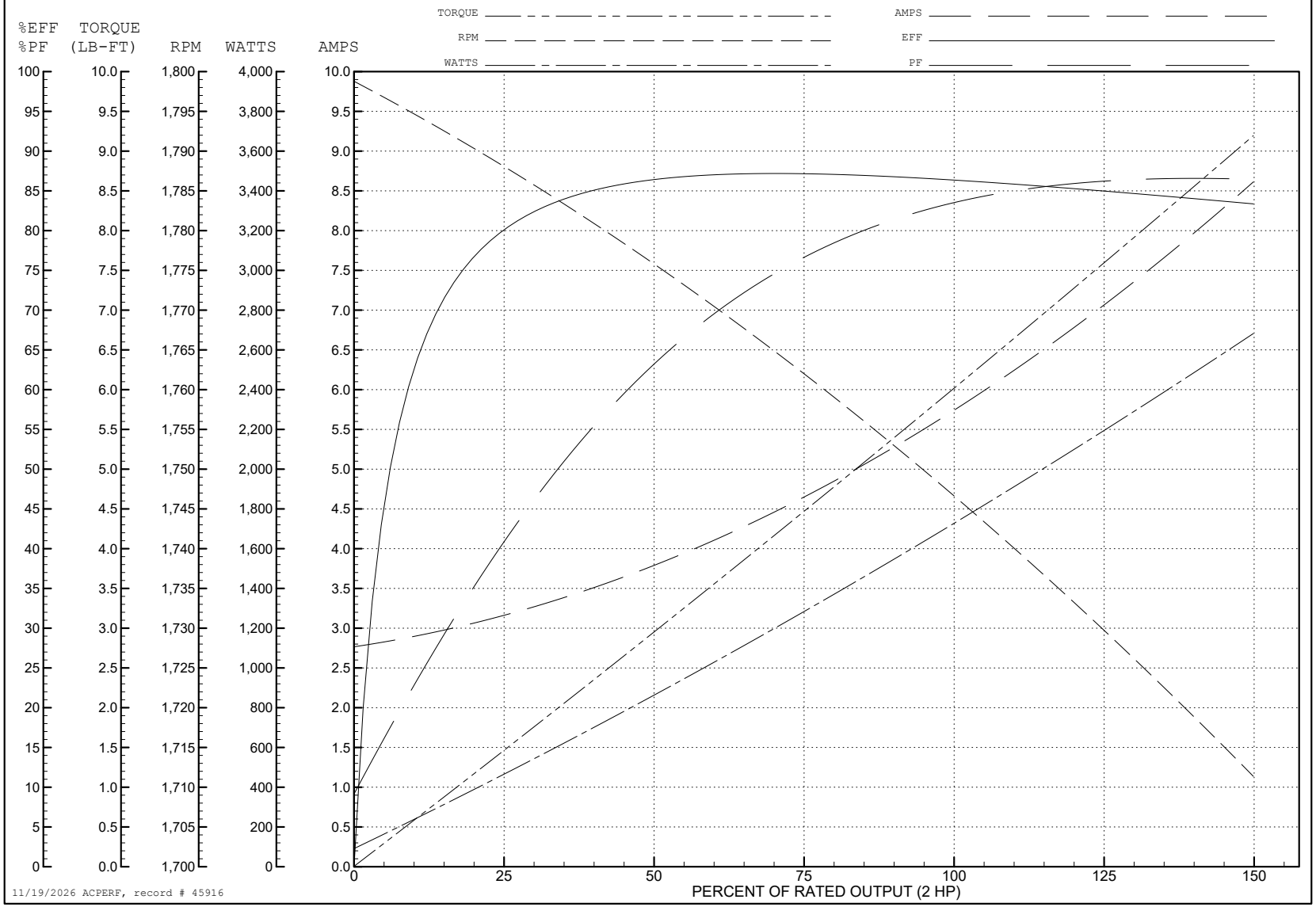
ABB Motors and Mechanical Inc.

WINDING # 35WGN909

2 HP 3 PH 60 HZ 1755 RPM 208 V 3528M

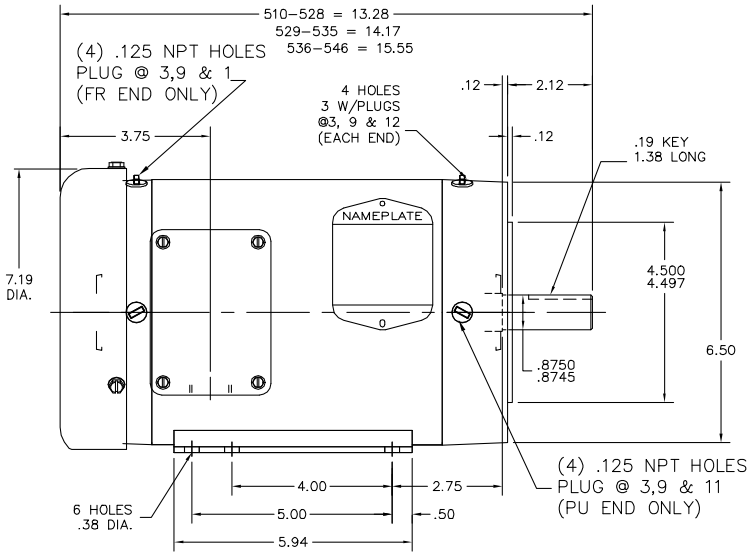
Typical performance - not guaranteed values.

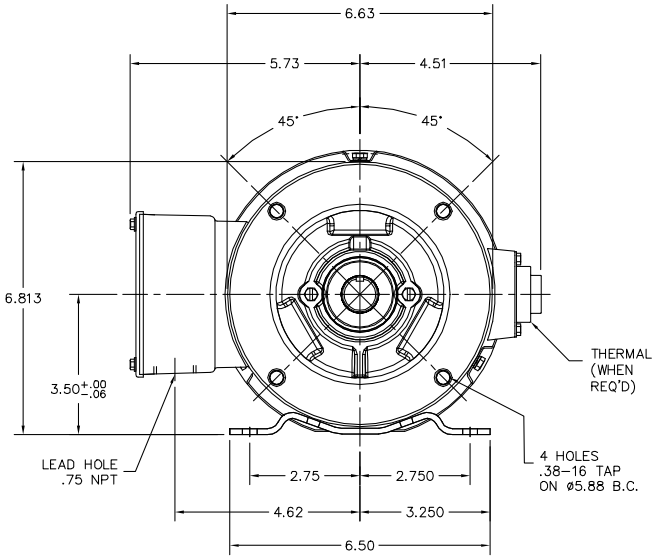
TORQUES(LB-FT): PO=19.9 PU=12.3 LR=13.3 LRA=41.9

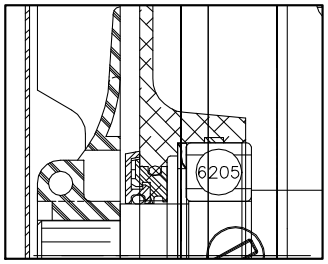


11/19/2026 ACPERF, record # 45916

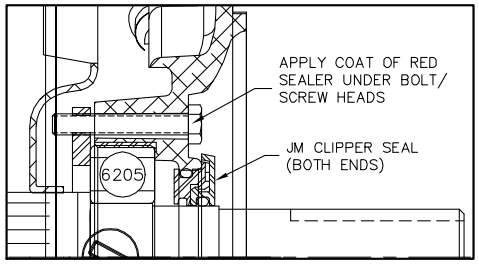
35LYE1678







FRONT END DETAIL



PULLEY END DETAIL

35LYE1678

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

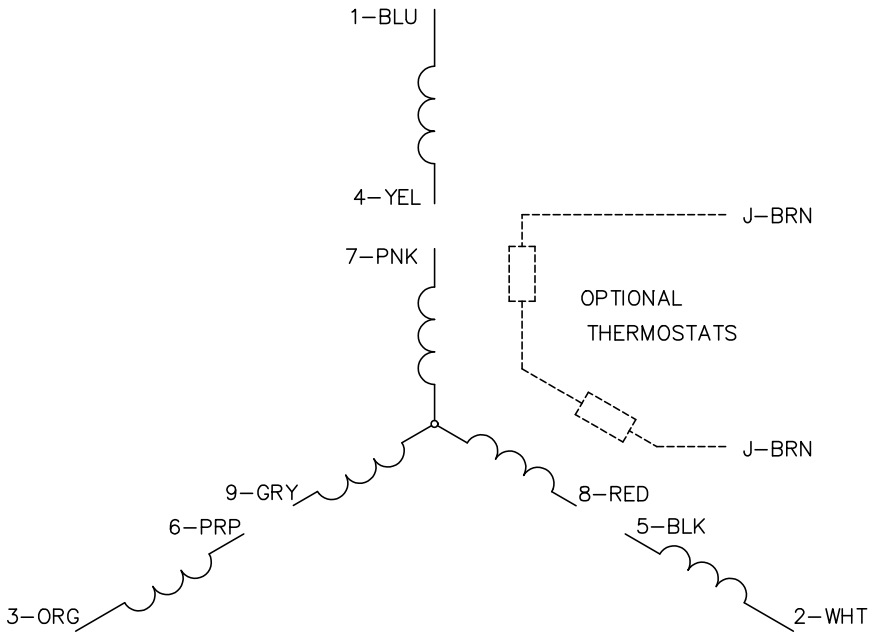
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MTL: –		

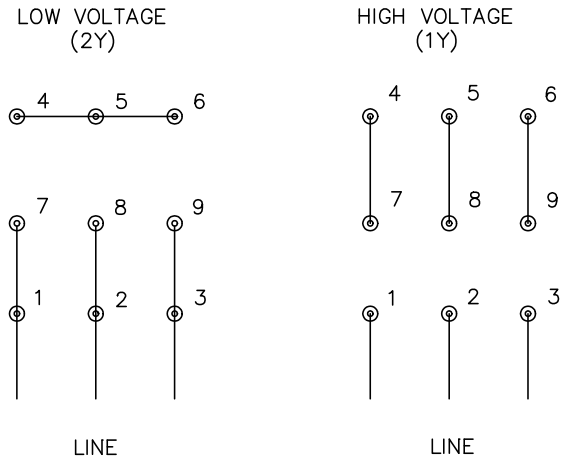
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STD HORZ 143–5TC TEFC 35M WD6

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
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS