

# ABB BALDOR RELIANCE III

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## Customer information packet

### M1505T

1.5/.75HP, 1750/870RPM, 3PH, 60HZ, 145T, 3534

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	145T
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	1.500 HP @ 60 HZ .750 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ
<b>Agency Approvals</b>	UR CSA
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	4.250 A @ 230.0 V
<b>Design Code</b>	-
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	4.3 a
<b>Insulation Class</b>	H
<b>Inverter Code</b>	Not Inverter
<b>KVA Code</b>	F

**Part Detail**

<b>Revision</b>	E
<b>Type</b>	AC
<b>Mech. spec.</b>	35AA001
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGG368
<b>Layout</b>	35LYAA001
<b>Eff. date</b>	10-28-2025
<b>CD Diagram</b>	CD0011
<b>Poles</b>	04/08
<b>Leads</b>	6#18
<b>Proprietary</b>	False
<b>Created date</b>	02-23-2023

<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	6 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3534M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4 8
<b>Overall Length</b>	14.19 IN
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1750 rpm 870 rpm
<b>Speed Code</b>	2S-1W-CT
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1256L</b>									
<b>CAT.NO.</b>	M1505T								
<b>SPEC.</b>	35AA001G368G1								
<b>HP</b>	1.5/.75								
<b>VOLTS</b>	230								
<b>AMP</b>	4.25/5.7								
<b>RPM</b>	1750/870								
<b>FRAME</b>	145T		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.15	<b>CODE</b>	F	<b>DES</b>	-	<b>CLASS</b>	H		
<b>NEMA-NOM-EFF</b>		<b>PF</b>							
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205		<b>ODE</b>	6203					
<b>ENCL</b>	TEFC	<b>SN</b>							
	SFA 4.75/5.8								

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

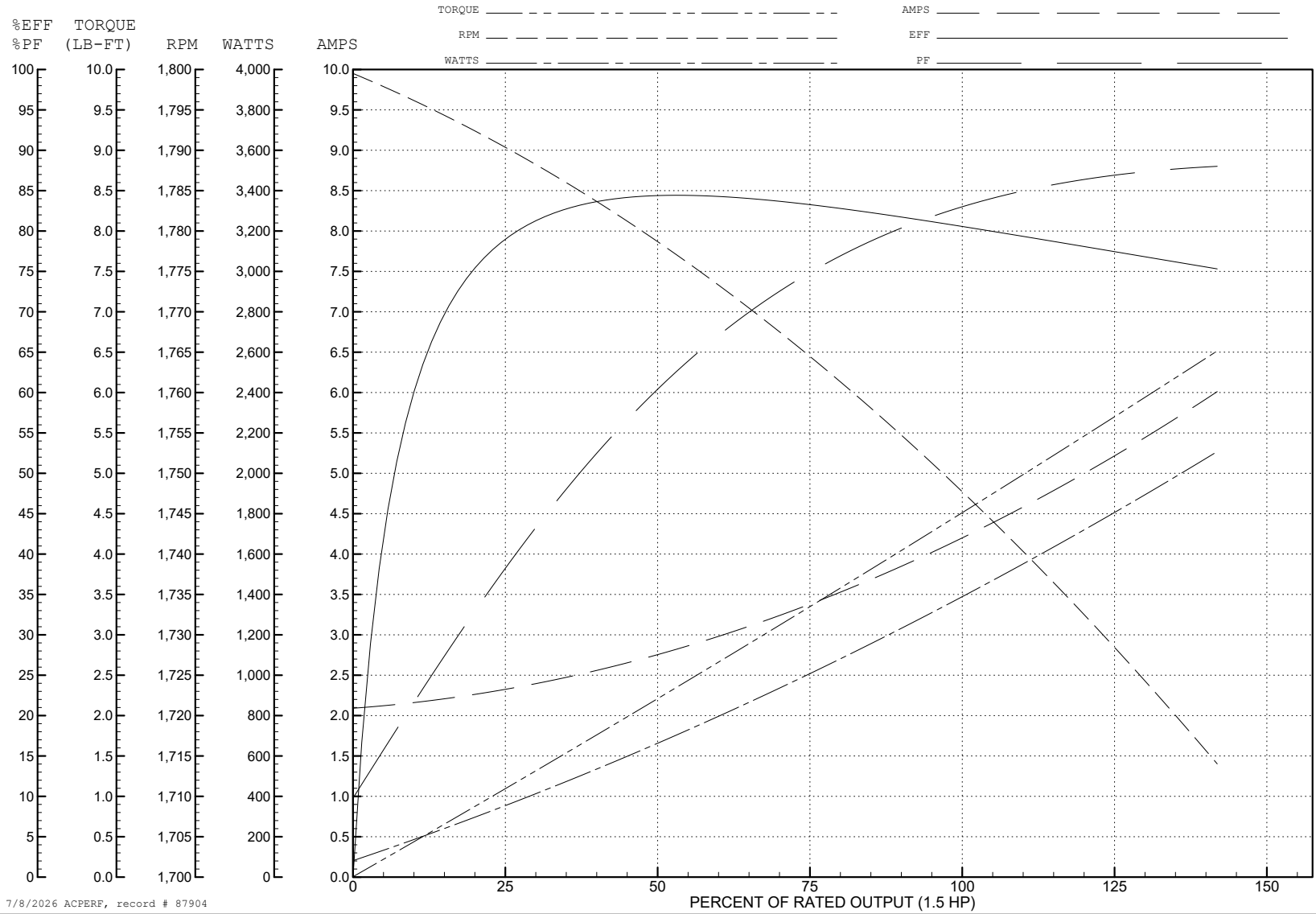
ABB Motors and Mechanical Inc.

WINDING # 35WGG368

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1749 RPM 230 V 3534M

TORQUES (LB-FT): PO=13.32 PU=7.22 LR=7.92 LRA=26.72



7/8/2026 ACPERF, record # 87904

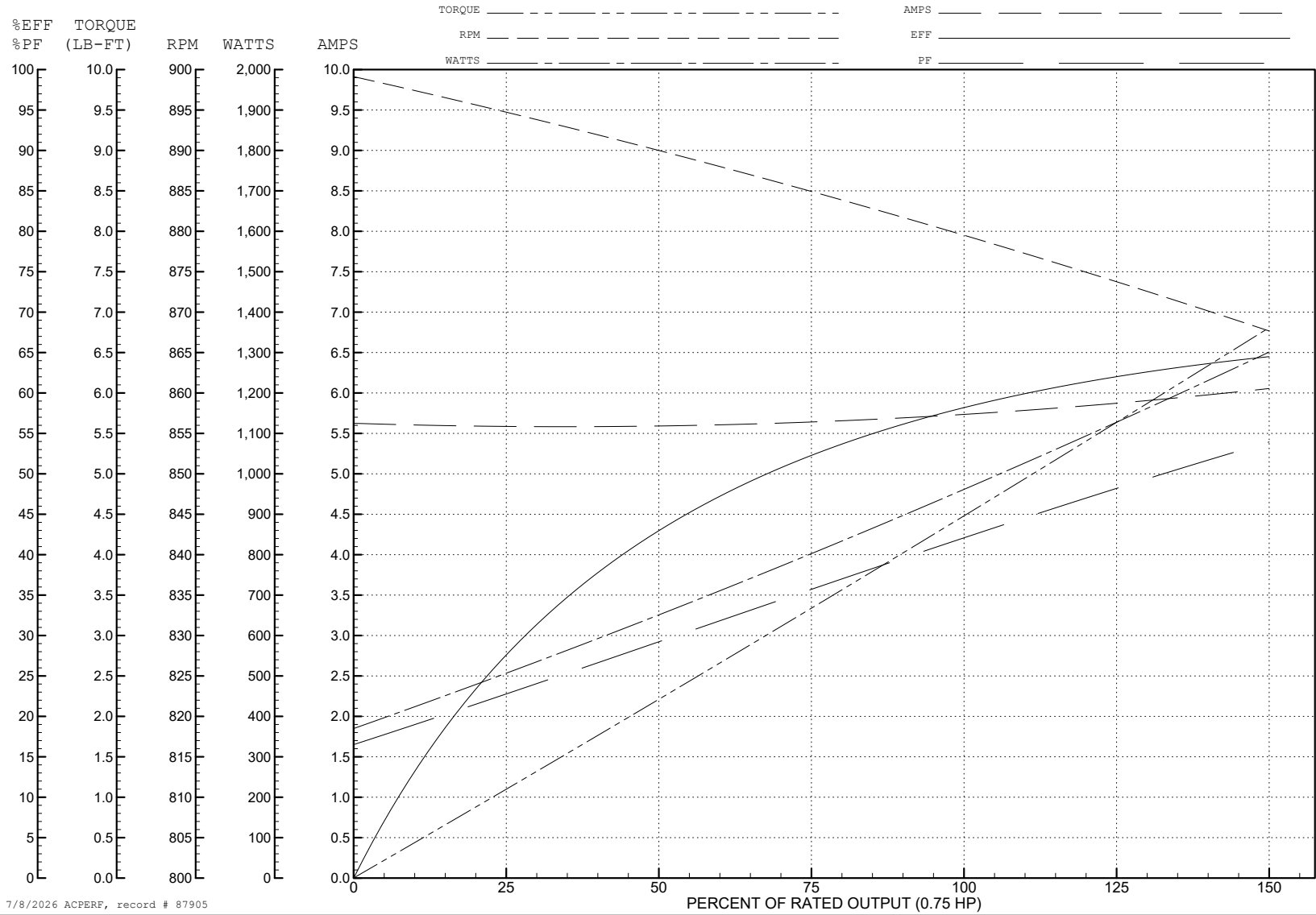
ABB Motors and Mechanical Inc.

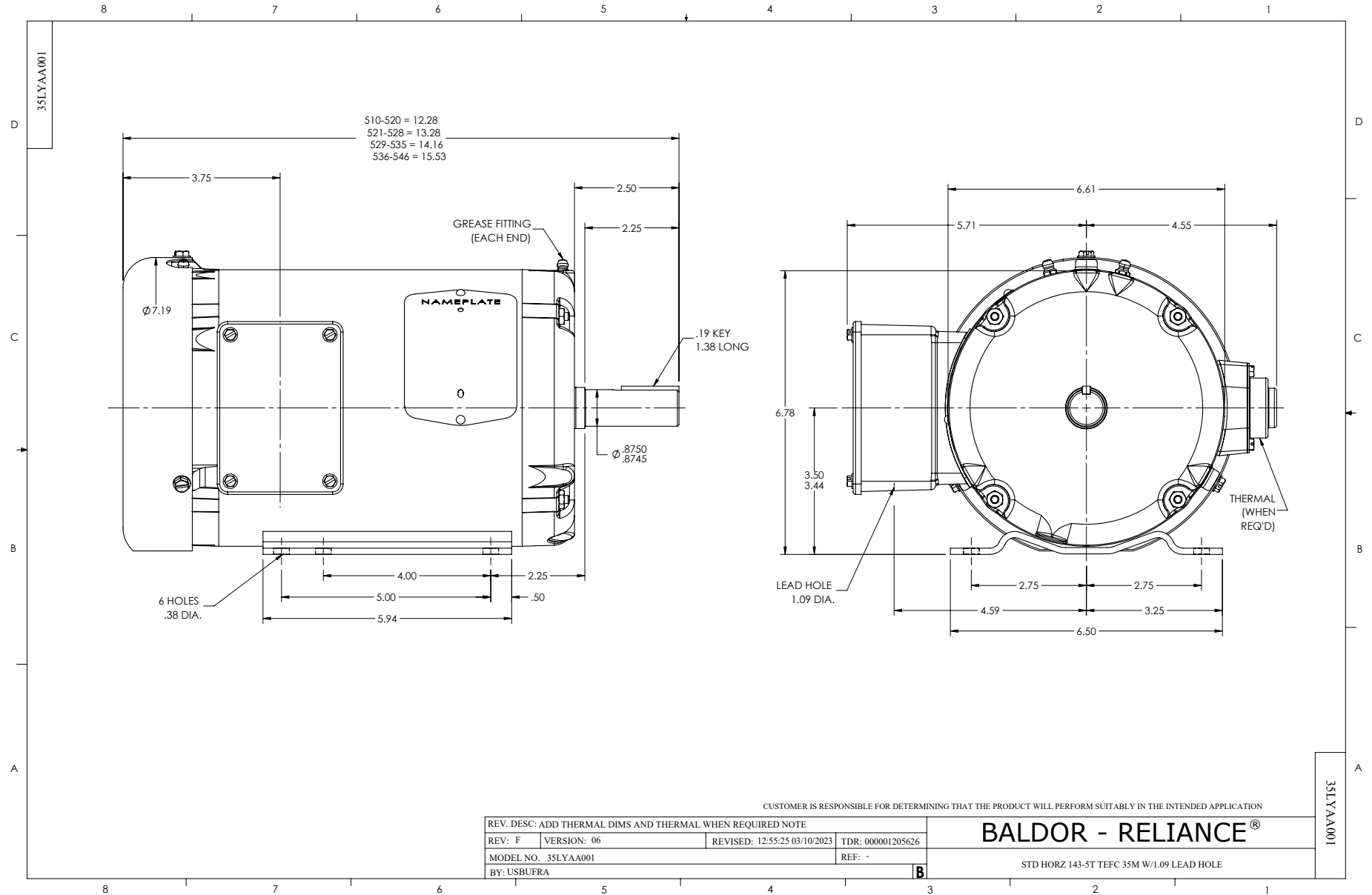
WINDING # 35WGG368

Typical performance - not guaranteed values.

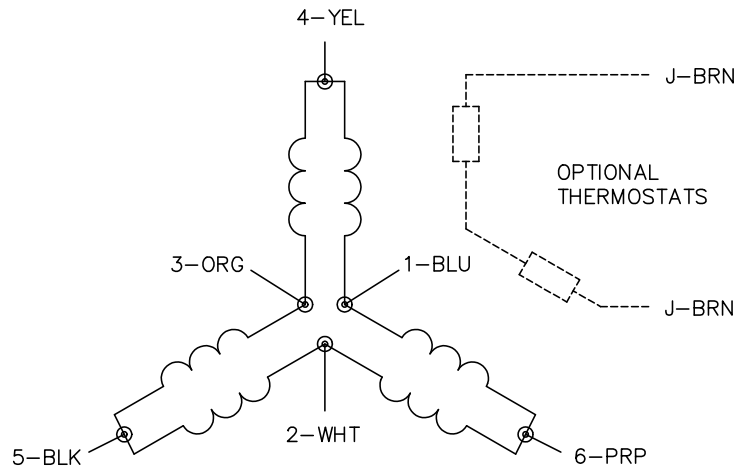
0.75 HP 3 PH 60 HZ 879.5 RPM 230 V 3534M

TORQUES (LB-FT): PO=19.8 PU=11.61 LR=13.3 LRA=20.5

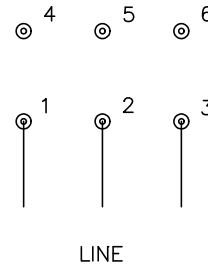




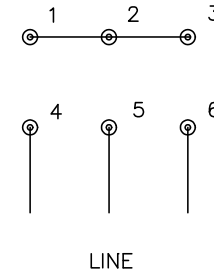
CD0011



LOW SPEED  
(1D)



HIGH SPEED  
(2Y)



**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.

CD0011

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: F	BY: JLP	REVISED: 01/21/99 5:04	TDR: 0171435
110003		FILE: DWG\142.wg	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE