

# ABB BALDOR RELIANCE III

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## Customer information packet

JL3516A

2HP, 1730RPM, 1PH, 60HZ, 56J, 3536LC, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	56J
<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>	Cap Start, Cap Run
<b>Output @ Frequency</b>	2.000 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	115.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	C UR US
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	No Mounting
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	17.200 A @ 115.0 V 8.600 A @ 230.0 V
<b>Design Code</b>	L
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	78.0 %
<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>	8.6 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter

**Part Detail**

<b>Revision</b>	E
<b>Type</b>	AC
<b>Mech. spec.</b>	35N778
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGK256
<b>Layout</b>	35LYN778
<b>Eff. date</b>	07-28-2025
<b>CD Diagram</b>	CD0308
<b>Poles</b>	04
<b>Leads</b>	4#16 A&J,1#14 #4TH
<b>Proprietary</b>	False
<b>Created date</b>	02-13-2024

<b>KVA Code</b>	H
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Quantity/Wire Size</b>	4 @ 16 AWG, A&J
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3536LC
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	15.97 IN
<b>Power Factor</b>	95
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Ext Thread
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Fixed Opposite Standard
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1730 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Do Not Use Eve-Not Valid
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	Automatic Thermal Overload
<b>Winding Thermal 1 Location</b>	KO
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1257L</b>									
<b>CAT.NO.</b>	JL3516A								
<b>SPEC.</b>	35N778K256G1								
<b>HP</b>	2								
<b>VOLTS</b>	115/230								
<b>AMP</b>	17.2/8.6								
<b>RPM</b>	1730								
<b>FRAME</b>	56J		<b>HZ</b>	60		<b>PH</b>	1		
<b>SER.F.</b>	1.15	<b>CODE</b>	H	<b>DES</b>	L	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	78	<b>PF</b>	95						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							

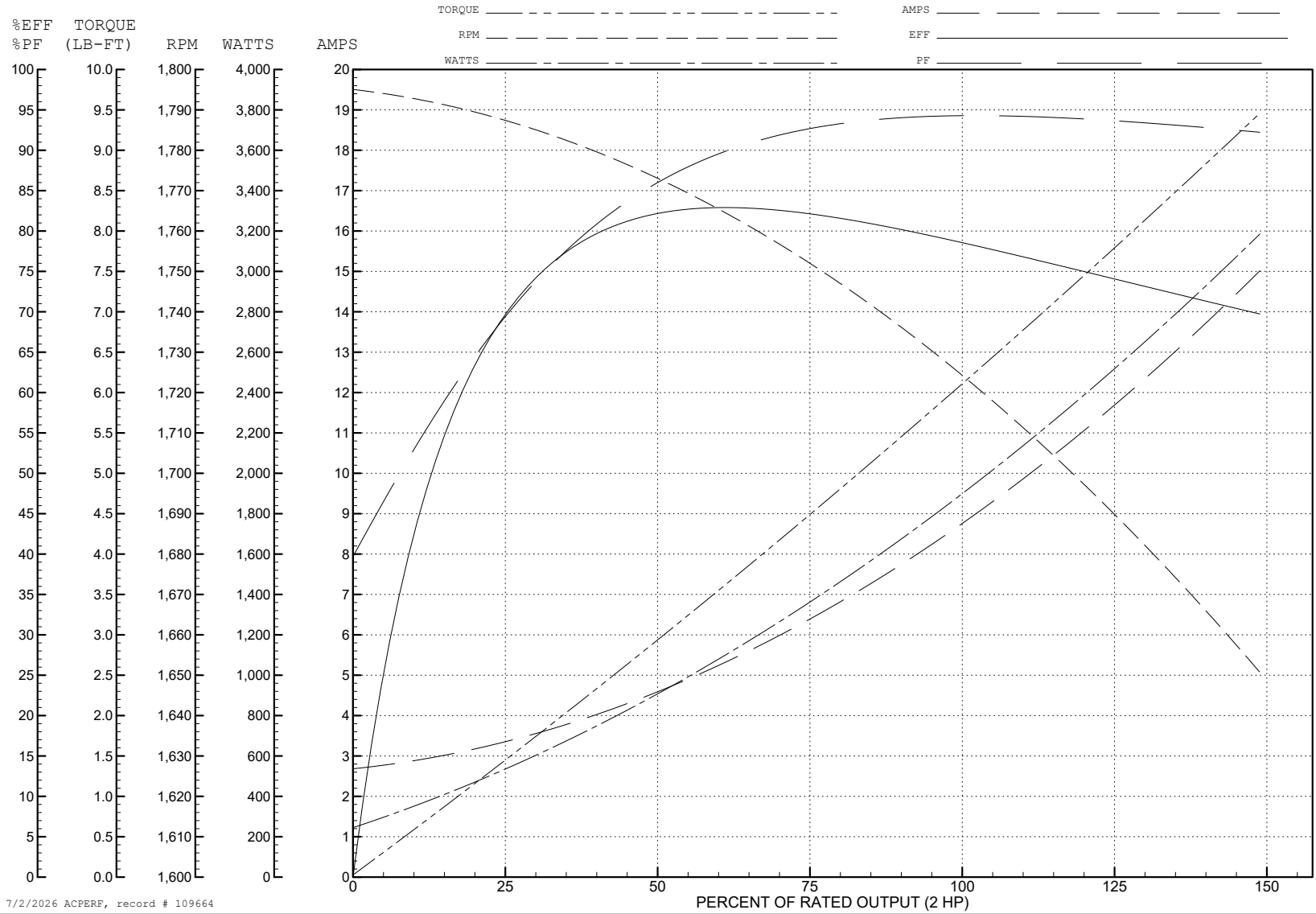
ABB Motors and Mechanical Inc.

WINDING # 35WGK256

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 1730 RPM 230 V 3536LC

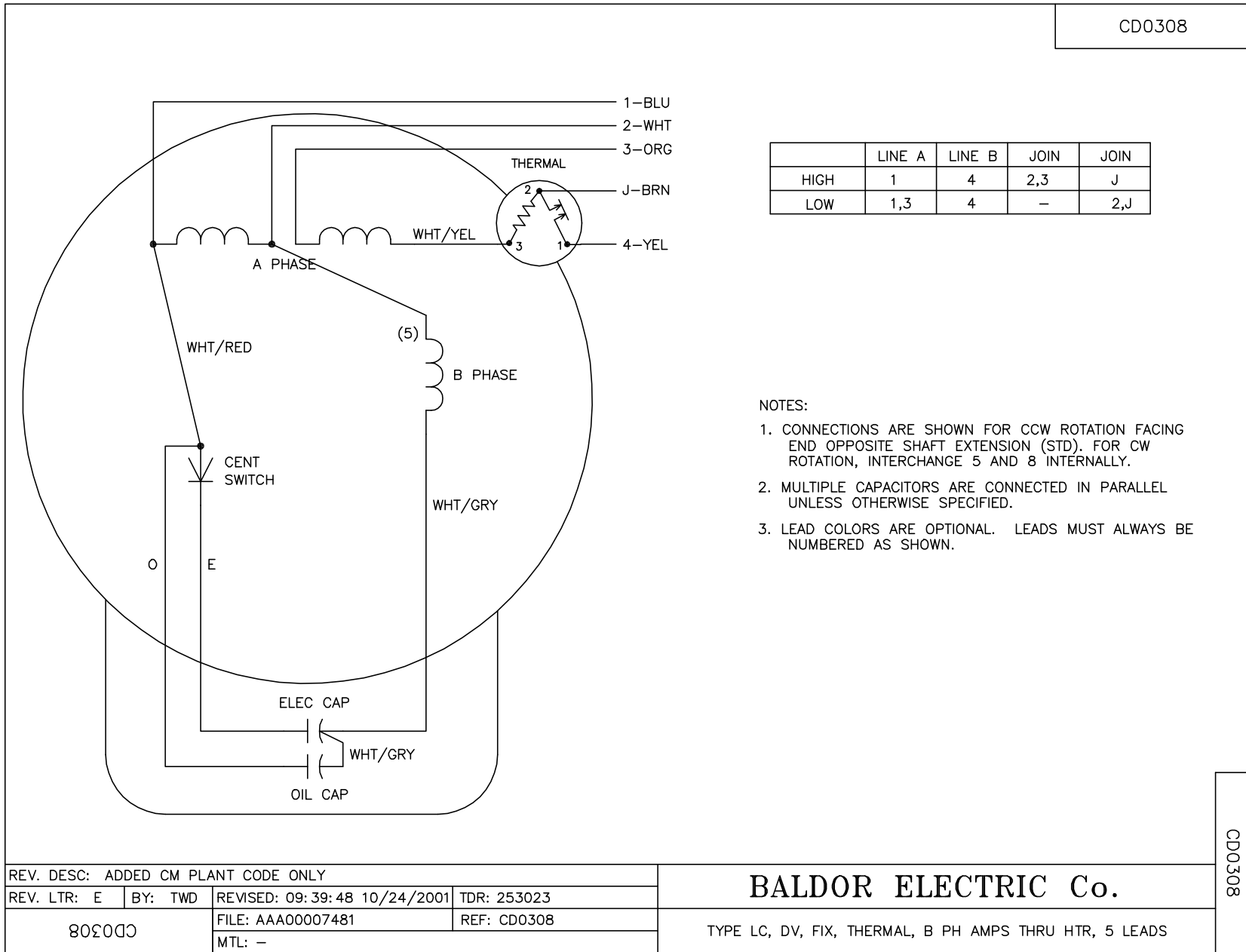
TORQUES (LB-FT): PO=12.8 PU=9.75 LR=12.6 LRA=54.8



7/2/2026 ACPERF, record # 109664



CD0308



	LINE A	LINE B	JOIN	JOIN
HIGH	1	4	2,3	J
LOW	1,3	4	-	2,J

**NOTES:**

1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED CM PLANT CODE ONLY			
REV. LTR: E	BY: TWD	REVISED: 09:39:48 10/24/2001	TDR: 253023
803000		FILE: AAA00007481	REF: CD0308
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, FIX, THERMAL, B PH AMPS THRU HTR, 5 LEADS

CD0308