

# ABB BALDOR RELIANCE III

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## Customer information packet

DRX141544T

1.5//1HP, 1770//1475RPM, 3PH, 60//50HZ, 145T

Class - CLI GP C,D

Division - Division I

**Specifications**

<b>Enclosure</b>	XPFC
<b>Frame</b>	145T
<b>Frame Material</b>	Steel
<b>Frequency</b>	50.00 Hz 60.00 Hz
<b>Haz Area Class and Group</b>	CLI GP C,D
<b>Haz Area Division</b>	Division I
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	1.500 HP @ 60 HZ 1.000 HP @ 50 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA EEV UL
<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>	4.640 A @ 208.0 V 4.600 A @ 230.0 V 4.000 A @ 190.0 V 2.300 A @ 460.0 V 2.000 A @ 380.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT

**Part Detail**

<b>Revision</b>	C
<b>Type</b>	AC
<b>Mech. spec.</b>	35X081
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	35WGL955
<b>Layout</b>	35LYX081
<b>Eff. date</b>	05-20-2024
<b>CD Diagram</b>	CD0005
<b>Poles</b>	04
<b>Leads</b>	9#18
<b>Proprietary</b>	False
<b>Created date</b>	02-23-2023

<b>Efficiency @ 100% Load</b>	86.5 %
<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>	2.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	M
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	No Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3526M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	15.09 IN
<b>Power Factor</b>	72
<b>Product Family</b>	Hazardous Location Motor
<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>RoHS Status</b>	ROHS NON-COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1475 rpm 1770 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line

<b>Thermal Device - Bearing</b>	<b>None</b>
<b>Thermal Device - Winding</b>	<b>Normally Closed Thermostat</b>
<b>Vibration Sensor Indicator</b>	<b>No Vibration Sensor</b>
<b>Winding Thermal 1</b>	<b>None</b>
<b>Winding Thermal 2</b>	<b>None</b>

**Nameplate**

**NP1401XPSLEV**

<b>NO.</b>		<b>CC</b>	
<b>S/N</b>		<b>TEMP CODE</b>	T3C
<b>SPEC.</b>	35X081L955	<b>INV.TYPE</b>	PWM
<b>CAT.NO.</b>	DRX141544T	<b>C HP FR</b>	60
<b>HP</b>	1.5//1	<b>C HP TO</b>	90
<b>VOLTS</b>	230/460//190/380	<b>CT HZ FROM</b>	6
<b>AMPS</b>	4.6/2.3//4/2	<b>CT HZ TO</b>	60
<b>RPM</b>	1770//1475	<b>VT HZ FROM</b>	6
<b>HZ</b>	60//50	<b>VT HZ TO</b>	60
<b>SER.F.</b>	1.00	<b>MAG CUR</b>	3/1.5
<b>FRAME</b>	145T	<b>MX RPM</b>	2700
	<b>PH</b> 3	<b>CL</b> F	<b>NOM.EFF.</b> 86.5
	<b>DES</b> B	<b>SL HZ</b> 1	<b>WK2</b> 0.174
	<b>RATING</b> 40C AMB-CONT		
	55C AMB @ 1.0 SF		
	1.15 SF SINEWAVE	<b>NEMA MG-1 PT 5,IP55</b>	

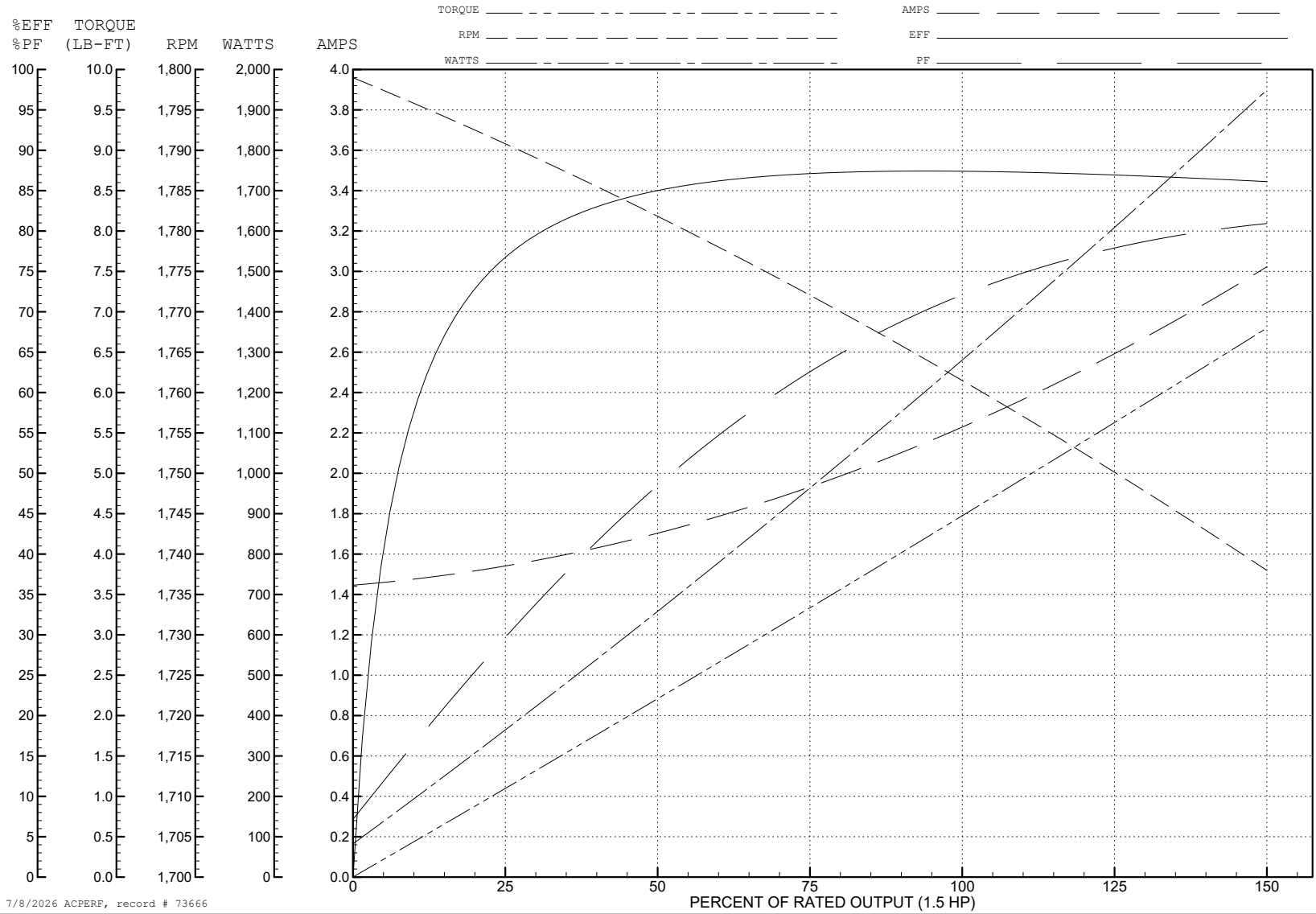
ABB Motors and Mechanical Inc.

WINDING # 35WGL155

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1762 RPM 460 V 3526M

TORQUES (LB-FT): PO=20.6 PU=10.1 LR=14.4 LRA=19.3



7/8/2026 ACPERF, record # 73666



CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

**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			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS