

# **ABB BALDOR RELIANCE III**

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## **Customer information packet**

### CDRX28344T-5

30HP, 1770RPM, 3PH, 60HZ, 286TC, XPFC, F1

Class - CLI GP C,D

Division - Division I

**Specifications**

<b>Enclosure</b>	XPFC
<b>Frame</b>	286TC
<b>Frame Material</b>	Iron
<b>Frequency</b>	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>	30.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	575.0 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>Constant Torque Speed Range</b>	6
<b>Current @ Voltage</b>	29.000 A @ 575.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	93.6 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	29.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty

**Part Detail**

<b>Revision</b>	H
<b>Type</b>	AC
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	10WGY759
<b>Layout</b>	10LYE949
<b>Eff. date</b>	11-22-2024
<b>CD Diagram</b>	CD0006
<b>Poles</b>	04
<b>Leads</b>	3#10
<b>Proprietary</b>	False
<b>Created date</b>	07-19-2019

<b>IP Rating</b>	NONE
<b>KVA Code</b>	G
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	1056M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	28.61 IN
<b>Power Factor</b>	83
<b>Product Family</b>	Hazardous Location Motor
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS NON-COMPLIANT
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	1.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1770 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>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

**NP1401XPSLEV**

<b>NO.</b>		<b>CC</b>	010A				
<b>S/N</b>		<b>TEMP CODE</b>	T3C				
<b>SPEC.</b>	10-0000-0938	<b>INV.TYPE</b>	PWM				
<b>CAT.NO.</b>	CDRX28344T-5	<b>C HP FR</b>	60	<b>C HP TO</b>	90		
<b>HP</b>	30	<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60		
<b>VOLTS</b>	575	<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60		
<b>AMPS</b>	29	<b>MAG CUR</b>	11.5				
<b>RPM</b>	1770	<b>MX RPM</b>	2700				
<b>HZ</b>	60	<b>PH</b>	3	<b>CL</b>	F	<b>NOM.EFF.</b>	93.6
<b>SER.F.</b>	1.00	<b>DES</b>	A	<b>SL HZ</b>	1	<b>WK2</b>	4.46
<b>FRAME</b>	286TC	<b>RATING</b>	40C AMB-CONT				
	55C AMB @ 1.0 SF, 60C RISE						
	1.15SF ON SINE WAVE			NEMA MG-1 PT.5,IP55			

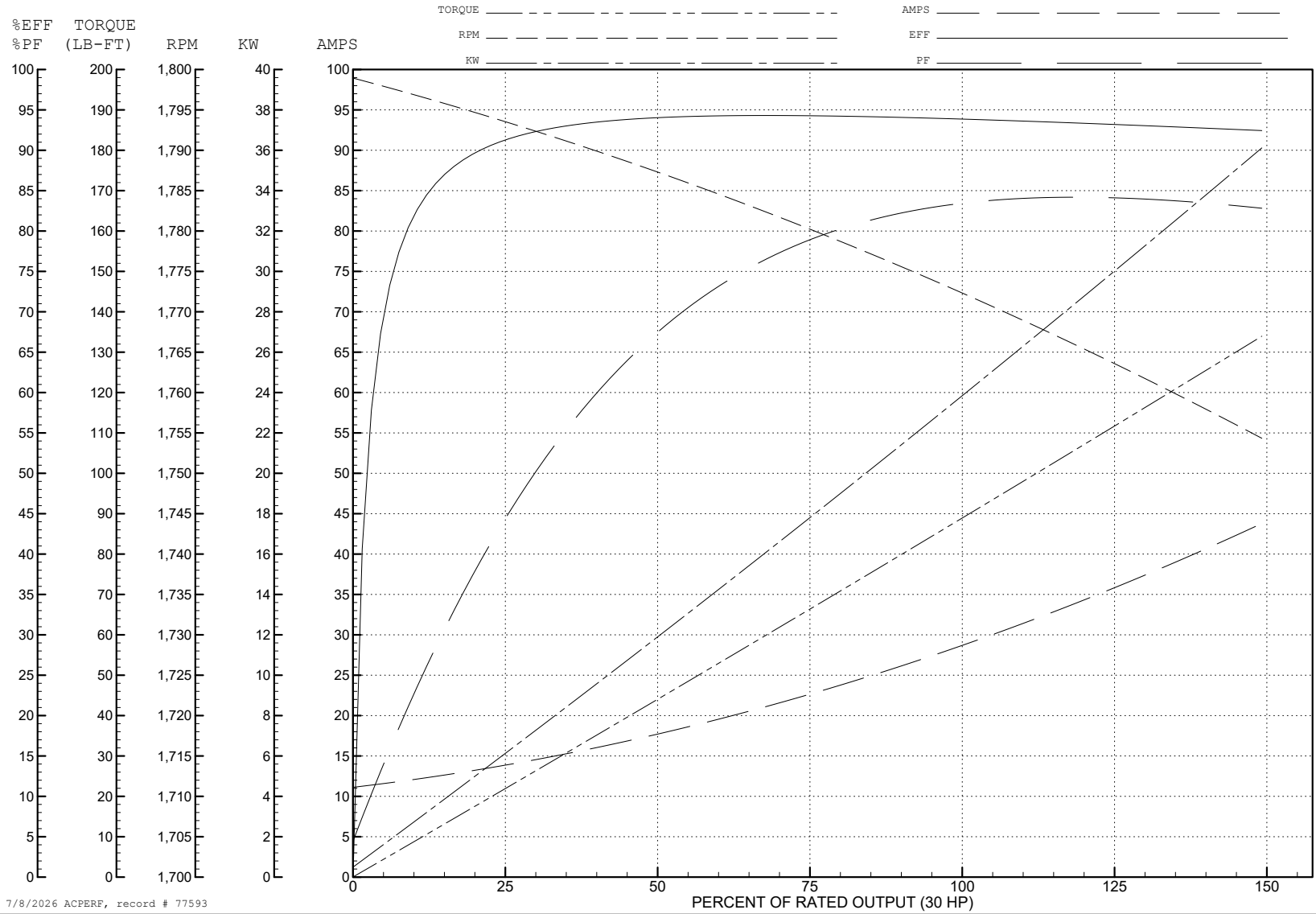
ABB Motors and Mechanical Inc.

WINDING # 10WGY759

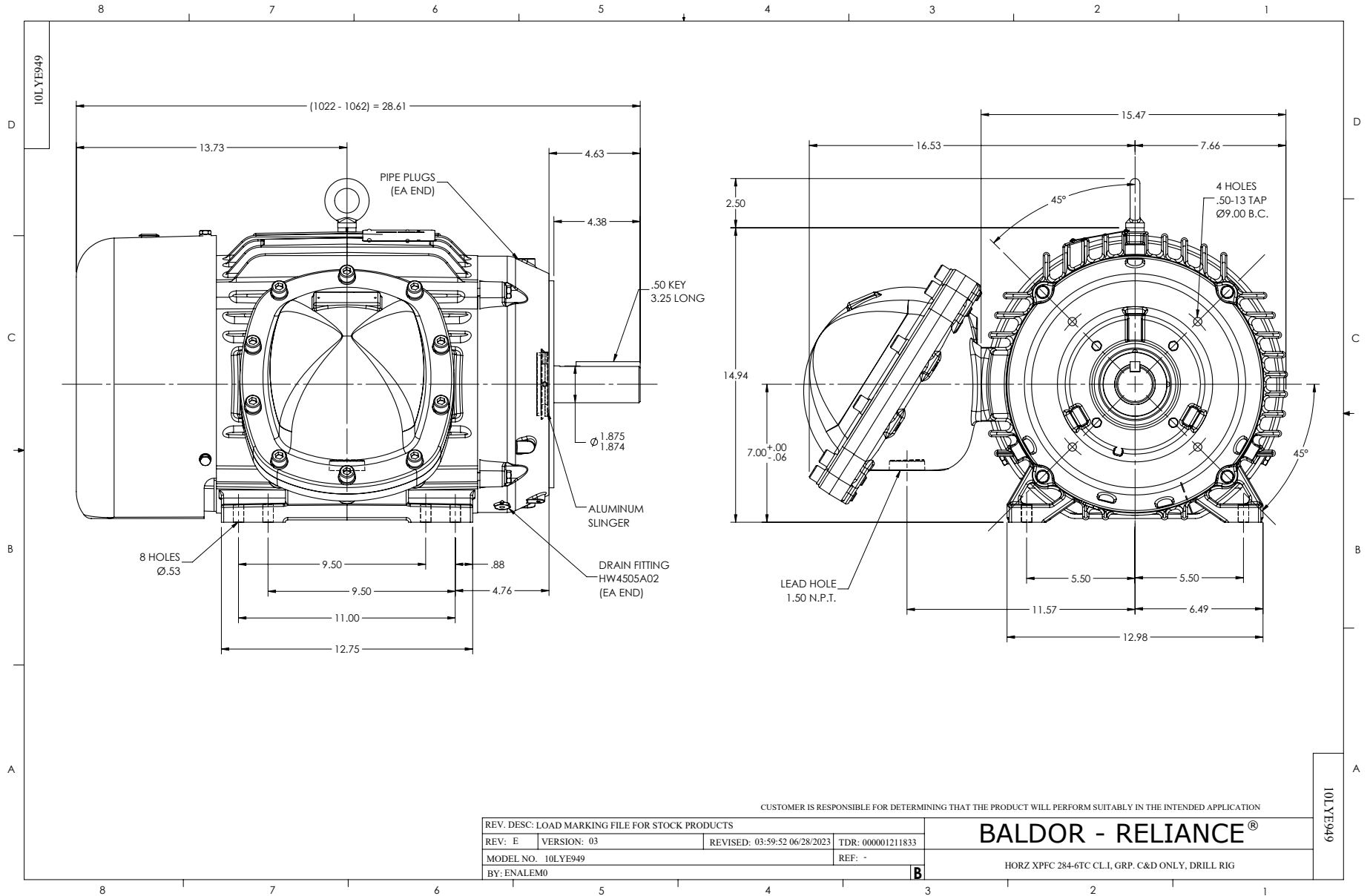
Typical performance - not guaranteed values.

30 HP 3 PH 60 HZ 1770 RPM 575 V 1056M

TORQUES (LB-FT): PO=255 PU=120 LR=136 LRA=177



7/8/2026 ACPERF, record # 77593



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -		© □

**BALDOR - RELIANCE®**

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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