

**HEAT EXCHANGER** 

#### **DESCRIPTION:**

Heat Exchanger (oil to air) with single fan. This system uses an accumulator (integral to the pump) for oil volume changes due to temperature changes.

#### PERFORMANCE:

2.0 kW maximum continuous - Refer to cooling chart for DT ratings.

#### **OIL HOSES:**

30 inches minimum (0.75 meters) 40 feet maximum (12 meters)

#### **POWER REQUIREMENTS:**

HE-280 115 VAC 50/60 Hz 1.8 Amps HE-281 230VAC 50/60 Hz 1.1 Amps

## **FAIL SAFE DEVICE:**

Flow Switch - Normally open contacts. Contacts close with adequate oil flow.

#### **DIMENSIONS:**

Width - 9.6 inches (244 mm) Length - 15.9 inches (404 mm) Height - 4.4 inches (112 mm)

#### **WEIGHT:**

27.5 Pounds (12.5 kg)

## **MOUNTING:**

Select mounting location where ambient temperature is low.

Connect power cord to source that is energized whenever x-ray tube with heat exchanger is selected.

Connect flow switch and thermal switch on housing in series with existing exposure interlocks.

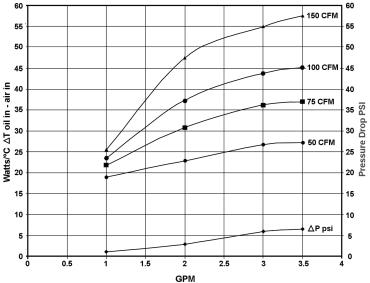
## **CONNECTING OIL LINES WITH QUICK DISCONNECT FITTINGS:**

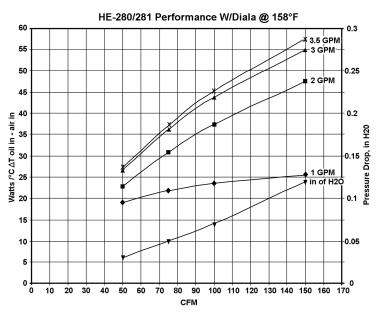
To prevent air in housing from oil line quick disconnect fittings observe the following procedures.

- Α. Do not apply any side pressure on fittings such as from tie-wrapping to cable bundles or looping in tight circles.
- В. Never run heat exchanger with fittings disconnected.





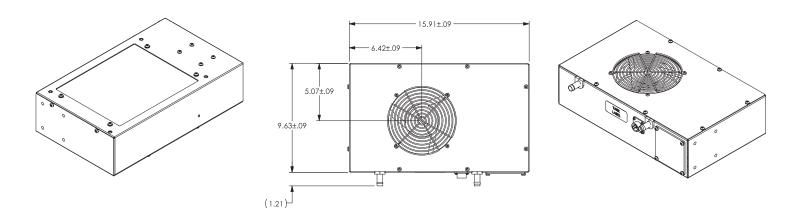


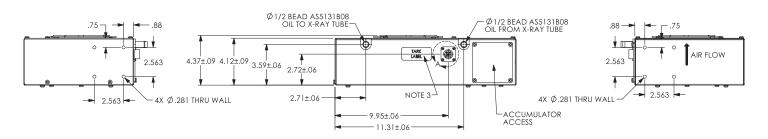


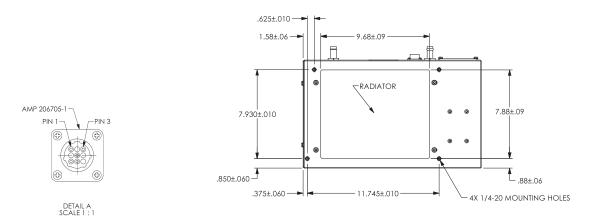


# **OUTLINE DRAWING**

#### Dimensions are for reference only







PIN (AMP 66099-4)	WIRE		
1	BLACK	l —	
5	GREEN/YELLOW		POWER, PUMP AND FAN
3	WHITE		
7	PINK	l—	FLOW SWITCH
8	PINK		FLOW SWIICH



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