# Preliminary



HE-321A

### Heat Exchanger

#### **DESCRIPTION:**

Heat Exchanger (oil to air) with single fan. For use with the B-330H housing. Oil pump is gear type.

#### **PERFORMANCE:**

2.4 kW with 50° delta T (194 kHU/minute). Refer to cooling chart for other delta T ratings.

#### TOTAL HOSE LENGTH:

30 inches minimum (0.75 meters) 164 feet maximum (50 meters)

#### **POWER REQUIREMENTS:**

HE-321A 220 - 230 VAC 50/60 Hz 1.2 Amps

#### FAIL SAFE DEVICE:

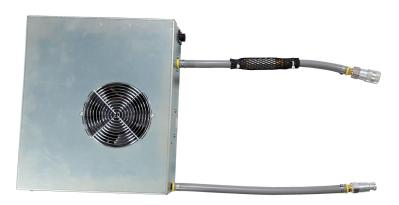
Flow Switch - Normally open contacts. Flow Switch Operating Pressure - 1000PSIG Flow Switch Contact Rating - 250 Volts Max

#### DIMENSIONS:

Width - 13.75 inches (349 mm) Length - 16 inches (406 mm) Height - 5.25 inches (133 mm)

WEIGHT:

40 Pounds (18.1 kg)



#### MOUNTING:

Select mounting location where ambient temperature is low.

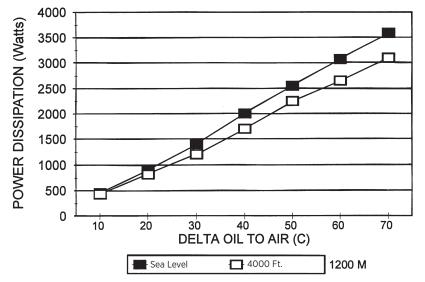
Connect power cord to source that is energized whenever x-ray tube with heat exchanger is selected.

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.

- A. Do not apply any side pressure on fittings such as from tiewrapping to cable bundles or looping in tight circle.
- B. Never run heat exchanger with fittings disconnected.
- C. **Always** return heat exchanger with x-ray tube regardless of reason for return.



#### COOLING CHARACTERISTICS HE -321A POWER DISSIPATION

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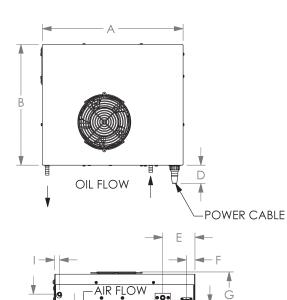


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## **Outline Diagram**

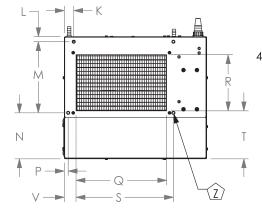
### Heat Exchanger

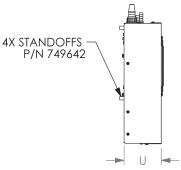
Dimensions are for reference only



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P/N 751352 (39.5 FEET) AMP P/N 20670	8-1			
	1		TBI-4	TBI-6 TBI-5
GREEN/YELLOW	5	220 VAC		FAN MOTOR
			TBI-2	TBI-2 TBI-3
GREEN	7		•	
		FLOW SWITCH INTERLOCK		FLOW SWITCH CLOSED WITH PROPER OIL FLOW
RED / /	8		•	•

DIMENSIONAL DATA				
	INCHES	mm		
DIM	REF	REF		
A	15.91	404.1		
В	13.63	346.2		
С	0.50	12.7		
D	2.25	57.2		
E	3.58	90.9		
F	0.95	24.1		
G	4.95	125.7		
Н	1.38	35.1		
I	0.52	13.2		
J	2.30	58.4		
K	1.08	27.4		
L	0.58	14.7		
М	7.94	201.7		
N	5.13	130.3		
Р	0.45	11.4		
Q	10.13	257.3		
R	6.27	159.3		
S	10.88	276.4		
Т	5.35	135.9		
U	4.19	106.4		
V	1.33	33.8		
W				
Х				
Y				
<u>(7</u> ) 4 X 1/4-20				

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Hergestellt von Varex Imaging Corporation Fabricado por Varex Imaging Corporation

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