ALTA750®
X-RAY TUBE HOUSING

PRODUCT DESCRIPTION
The ALTA750® is an X-Ray Tube Housing Assembly specifically designed for use with CT Scanners. This housing is intended to be used with the Richardson ALTA750® X-Ray Tube and the Richardson 1256.2 Heat Exchanger or the Varex* HE-1256 Exchanger.

INTENDED USE
The ALTA750® Tube Housing Assembly is intended to be used as an x-ray tube housing assembly to hold, shield, and cool an x-ray tube that will emit ionizing radiation. This is intended to be used as a component of a CT system which is used for diagnostic and interventional x-ray applications on a stationary system.

INCLUDED INFORMATION AND SPECIFICATIONS
- Housing Assembly Specifications
- Tube Housing Assembly Heating and Cooling Curves
- Housing Diagram
- Housing Wiring Diagram
- Disposal Information

Originally written in English.

Additional copies and alternate language versions available upon request from techdata@rell.com

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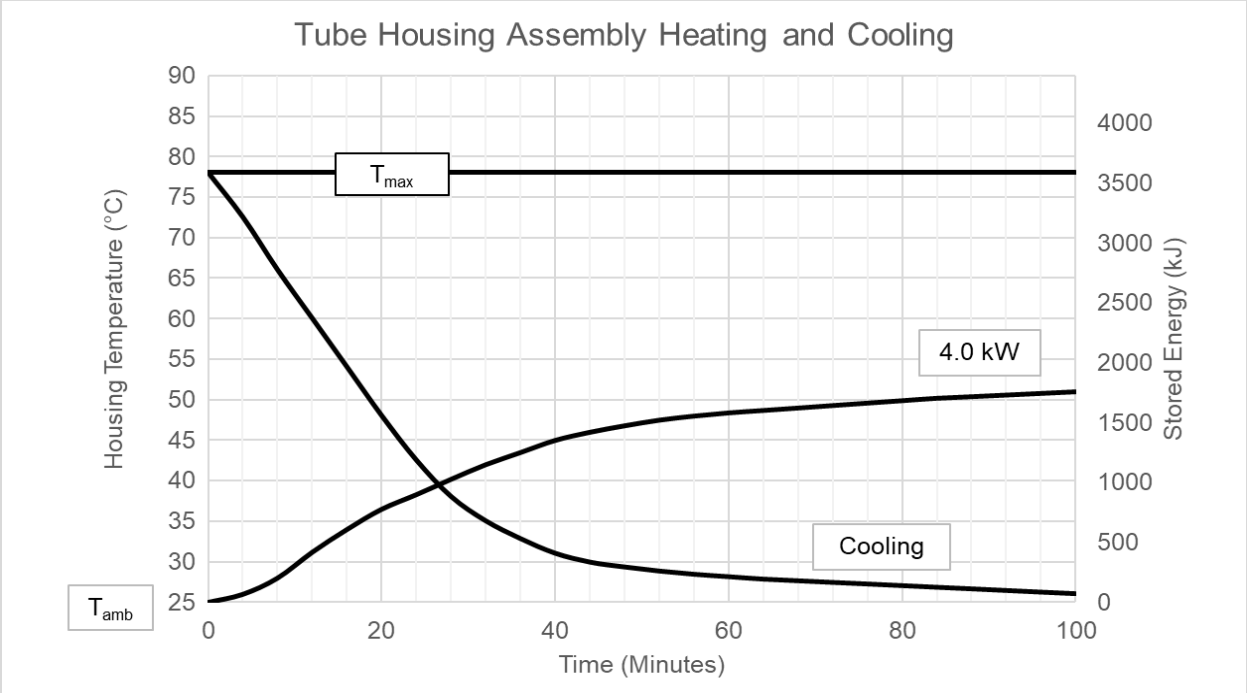
HOUSING ASSEMBLY SPECIFICATIONS

Maximum Peak Voltage	kV	150
Anode to Ground	kV	0
Cathode to Ground	kV	150
Maximum Heat Content	MJ	3.6
Maximum Continuous Heat Dissipation	kW	4.0
Maximum Housing Temperature	Degrees C	78
Permanent Filtration  IEC 60522	mm AL	1.0
Temperature Limits for Transport and Storage	Degrees C	-20 to 75
Temperature Limits for Operation	Degrees C	5 to 40
Weight of Assembly (including tube)	kg	68.5
Housing Thermal Switch: Opening Temperature	C	95
Housing Pressure Switch: Opening Pressure	psi	40
Leakage Radiation @150 kV, 70 mA, 1m	mGy/hr	0.57

ADDITIONAL HOUSING ASSEMBLY SPECIFICATIONS

Humidity Limits for Transport and Storage: 10% to 90% RH
Pressure Limits for Transport and Storage: 70 to 106 kPa
Humidity Limits for Normal Operation: 40 to 80% RH
Pressure Limits for Normal Operation: 70 to 106 kPa
Stator type: 3 Phase
Stator Coil Resistance 2.15 ohms +/- 15%
Classification per IEC 60601-1: Class 1 Type B
Degree of protection against ingress of water is IPX0
Mode of Operation: Intermittent (non-continuous)
Device Classification: U.S FDA = Class 1, EU = Class IIb

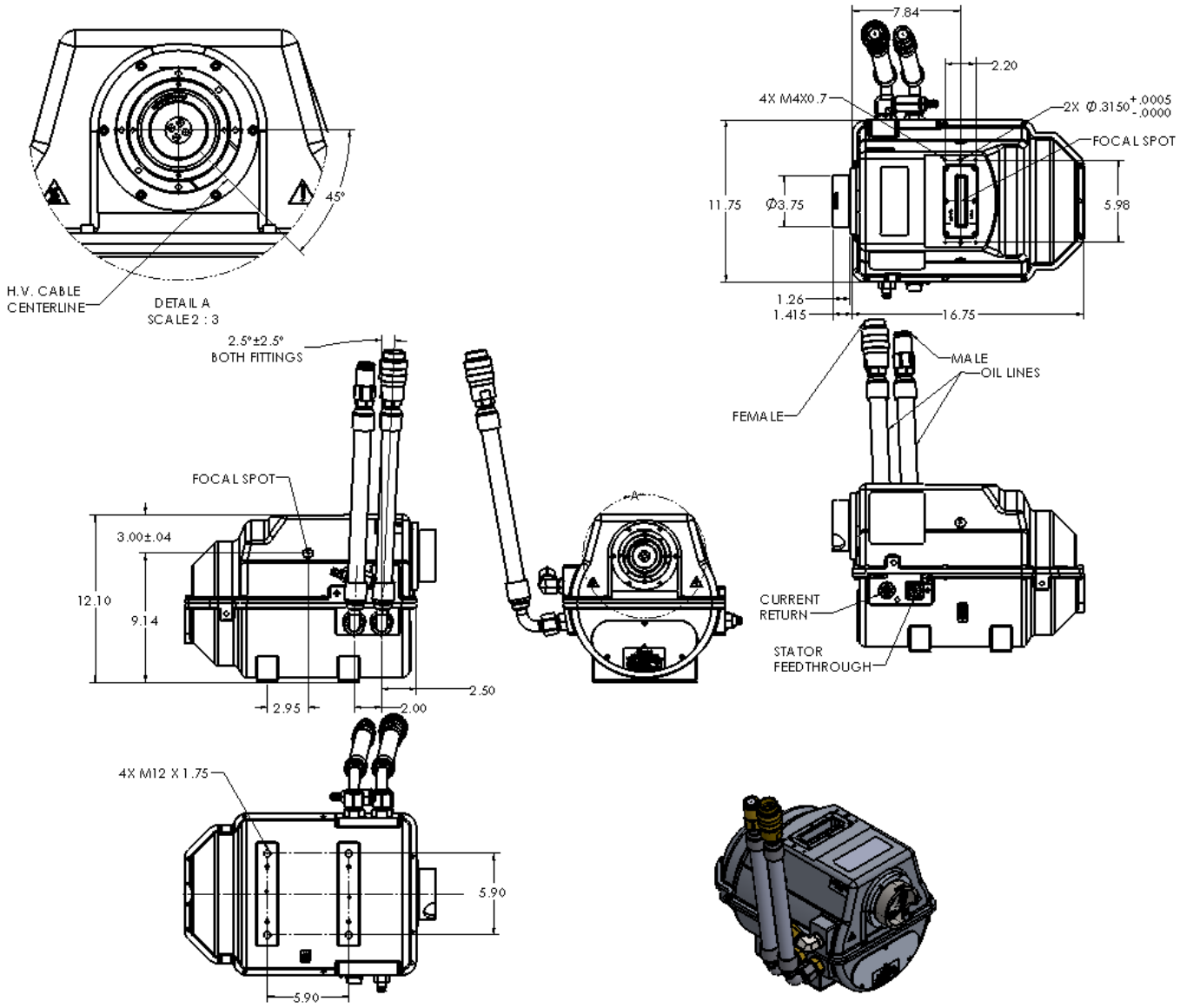
TUBE HOUSING ASSEMBLY HEATING AND COOLING CURVES



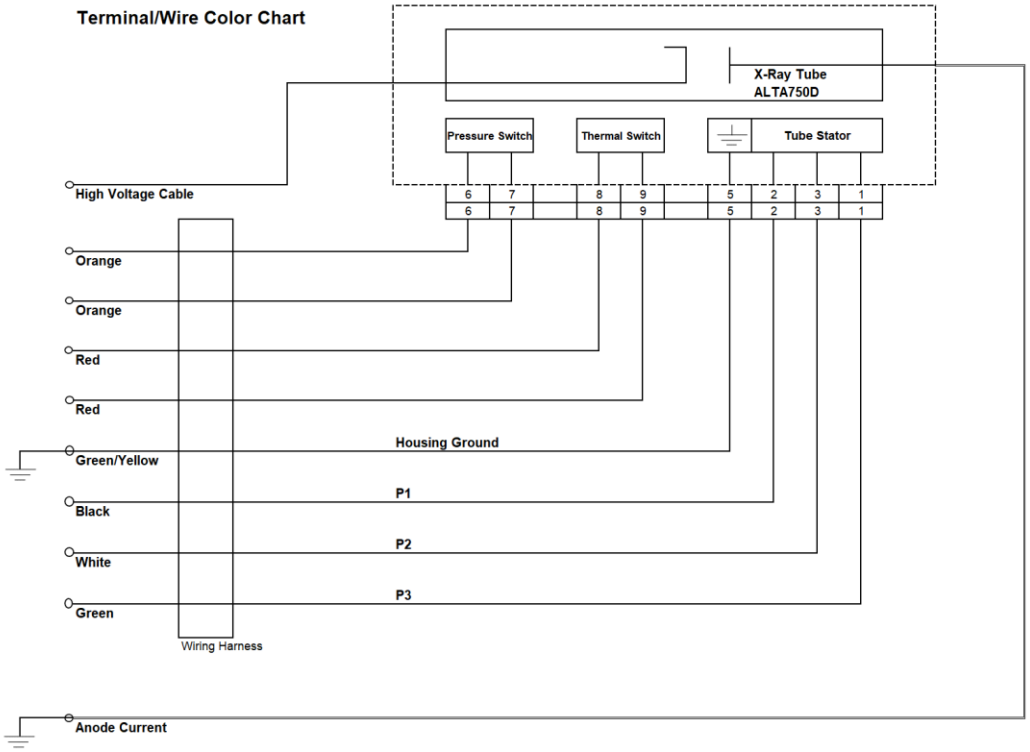
Notes:

1. Heat inputs into housing include tube power, filament power and stator power.
2. Heating curves based on no restrictions of natural convection around tube housing assembly.
3. Heating and cooling curves reflect maximum tube performance. Tube operation is ultimately limited by system software control.

HOUSING DIAGRAM



HOUSING WIRING DIAGRAM



Pin	Wire Color	Description
1	Green	Stator P3
2	Black	Stator P1
3	White	Stator P2
5	Green/Yellow	Housing Ground
6/7	Orange	Pressure Switch
8/9	Red	Thermal Switch

DISPOSAL INFORMATION

Take back, proper disposal and recovery of medical devices takes place in accordance with European WEEE directive and the requirements of national legislation.

The x-ray tube housing assembly contains lead for radiation shielding and mineral oil. The x-ray tube housing must not be disposed in domestic or industrial waste; it must be disposed in accordance with local regulation.

The housing assembly may be returned to Richardson Electronics for proper disposal.

Richardson Electronics strives to be environmentally conscious. Select materials and components are recycled. Some components of the ALTA750® X-Ray Tube Housing are refurbished from Varex* B-605H housings. Controls are in place to assure that all products meet specifications and safety requirements.

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