

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 54-03-E
Report of Material and Equipment Acceptance Division

Manufacturer – Cosmogas via L. Davinci, 16 Meldola – (FO), Italy 47014.

Trade Name(s) – Cosmogas, AXIA.

Product - Direct vent, gas fired, hot water heater with separate loop for space heating.

Pertinent Code Section(s) - 27-800, RS 14-2 (ANSI Z223.1).

Prescribed Test(s) - RS 14-6 (ANSI Z21.10-3).

Laboratory – CSA International.

Test Report(s) – Report No. 201986-1286455 dated June 6, 2002.

Description – Direct vent, gas fired, hot water heater and separate loop for space heating, Model AXIA. Unit comprises sealed combustion system, main burner assembly, heat exchanger assembly, electronic ignition system comprising igniter, flame sensor, ignition module and combination gas pressure regulator. Unit is provided with thermal cut-off, operating limit controls, safety limit, pressure relief valve. Units, with model numbers and input heating ratings are listed below:

Model No.	Input Heating Rating BTUH
AXIA20E	50,000 - 90,000
AXIA29E	90,000 – 160,000

VENTING REQUIREMENTS:

Notes: 1. The direct vent specifications are as follows:

<u>Vent Type</u>	<u>Specifications</u>
Coaxial	each 90-degree elbow equated to 3 feet of vent length
Split	each 90 degree elbow equated to 3 feet of vent length
Coaxial	Max Length = 19 feet Min Length = 1 foot
Split	Max Length = 100 feet Min Length = 1 foot

Coaxial Vent material AISI 304 SS
Split Vent material AISI 304 SS

Coaxial Terminal type 61302002
Split Terminal type 61302004

Coaxial 2.24 inch dia.
Split 3.1 inch dia.

2. INSTALLATION CLEARANCES

For installation on combustible and non-combustible floors. For closet installation with the following minimum clearances to combustible or non-combustible construction:

Ceiling – 8 inches; Front – 2 inches; Rear – 0 inches; Sides – 2 inches; Floor – 12 inches; combustible vent – coaxial vent – 0 inches; split vent – 1 inch.

Recommendation - That the above described wall mounted, direct vent, gas fired, hot water heater and separate loop for space heating, as per clearances to combustible construction specified above, be accepted under the following conditions:

1. Automatic temperature and pressure relief valve, properly sized for heater and MEA accepted, shall be furnished for heater installation.
2. All shipments and deliveries of such materials shall be provided with a metal tag, suitably placed, certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.
3. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.

Final Acceptance April 25/03

Examined By S. Deshpande