

**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, F.A.I.A., Commissioner  
MEA 60-04-E**

**Report of Material and Equipment Acceptance Division**

**Manufacturer-McQuay International, P.O. Box 2510, Staunton, VA 24402-2510.**

**Trade Name(s) - McQuay. Product - Absorption chiller.**

**Pertinent Code Section(s) - 27-770, 27-777, 27-800.**

**Prescribed Test(s) - RS 13-11 (UL 1995). Laboratory - Underwriters Laboratories Inc.**

**Test Report(s) - *UL 5699, dated Feb. 5, 1992, Rev. April 26, 2000***

**Description - Direct-fired and steam-fired absorption liquid chiller/heaters, Model TSA-DC & TSA-NC Series, designed for indoor installation. Distilled water is the refrigerant and lithium bromide is the absorbent. Units are provided with a pressure operational switch set a 0 PSIG. A rupture disc, set at 15 PSIG, is provided to relieve pressure in case of fire. Units, with model numbers and standard capacities are listed below:**

<u>Model No.</u>	Standard Capacity,		<u>Model No.</u>	Standard Capacity
	<u>Tons</u> Cooling	<u>MBH</u> Heating		<u>Tons</u> Cooling
TSA-DC-11	100	1,000	TSA-NC-11U	100
DC-12	120	1,200	NC-12U	120
DC-13	150	1,500	NC-13U	150
DC-14	130	1,800	NC-14U	180
DC-21	210	2,100	NC-21U	210
DC-22	240	2,400	NC-22U	240
DC-23	280	2,800	NC-23U	280
DC-24	320	3,200	NC-24U	320
DC-31	360	3,600	NC-31U	360
DC-32	400	4,000	MC-32U	400
DC-41	450	4,500	NC-41U	450
DC-42	500	5,000	NC-42U	500
DC-51	560	5,600	NC-51U	560
DC-52	630	6,300	NC-52U	630
DC-53	700	7,000	NC-53U	700
DC-61	800	8,000	NC-61TJ	800
DC-62	900	9,000	NC-62U	900
DC-71	1,000	10,000	NC-71U	1,000
BC-72	1,100	11,000	NC-72U	1,100
DC-73	1,200	12,000	NC-73U	1,200
DC-81	1,300	13,000	NC-81U	1,300
DC-82	1,400	14,000	NC-82U	1,400
DC-83	1,500	15,000	NC-83U	1,500

**Note: Minimum installed clearances from combustion construction shall be in accordance with Reference Standard RS 14-15.**

**Recommendation - That the above absorption liquid chiller/heater units, in conjunction with compatible heat rejection equipment such as a cooling tower, be accepted for indoor installation, using natural gas or No. 2 fuel oil, and lithium bromide with minimum clearances to combustible construction as described above, when connected with compatible gas vent or chimney in accordance with Article 15 of the Building Code, under the following conditions:**

- 1. Cooling tower or other compatible outdoor heat rejection equipment, if installed within 100 feet of any dwelling unit window complies with all provisions of Section 27-770, Subdivision 4, as to maximum sound levels permitted for exterior mechanical equipment.**
- 2. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the Building Code.**
- 3. Approval of electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.**

**Final Acceptance** 9/20/04

**Examined By** Shyam. D. D. D.