

**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 the Material and Equipment Acceptance (MEA) Division.

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

MEA 57-04-E

Report Materials and Equipment Acceptance Division

Manufacturer - Drake Refrigeration Inc., 2900 Samuel Drive, Ben Salem, PA 19020.

Product- A/W cooled chiller.

Trade Name- Drake, Legacy, Paul Mueller, General Air.

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

Prescribed Tests- RS 13-11 {UL 1995}.

Laboratory- Intertek Testing Services.

Test Report(s) -No. 3045596-001, dated November 21, 2003, November 26, 2003.

Description - Central liquid chillers, designed to chill water for circulation in commercial air conditioning systems. R134a is the refrigerant used for the units. Unit comprises of a scroll compressor, water cooled and air cooled condenser, shell and tube evaporator, electronic expansion devices and controls.

(MODELS WITH SCROLL COMPRESSORS)

AIR COOLED MODELS:

PAC or PACT (S) Single Circuit models: 12S, 18S, 24S, 30S, 36S, 48S, 50S, 60S, 70S, 80S, 90S, 120S, 180S, 250S, 300S.

PAC or PACT (D) DUAL Circuit models: 72D, 96D, 100D, 120D, 14D, 160D, 180D, 240D, 360D, 500D, 600D.

PAC or PACT (M) Three Circuit models: 180M

WATER COOLED MODELS:

PWC or PWCT, (S) Single Circuit models: 12S, 18S, 24S, 30S, 36S, 48S, 50S, 60S, 70S, 80S, 90S, 120S, 180S, 250S, 300S.

PWC or PWCT (D) Dual Circuit models: 72D, 96D, 100D, 120D, 140D, 160D, 180D, 240D, 360D, 500D, 600D.

PWC or PWCT (M) Three Circuit models: 180M

SPLIT EVAPORATOR MODELS:

ES (S) Single Circuit models: 12S, 18S, 24S, 30S, 36S, 48S, 50S, 60S, 70S, 80S, 90S, 120S, 180S, 250S, 300S

ES (D) Dual Circuit models: 72D, 96D, 100D, 120D, 140D, 160D, 180D, 240D, 360D, 500D, 600D.

EST (S) Single Circuit models: 12S, 18S, 24S, 30S, 36S, 48S, 50S, 60S, 70S, 80S, 90S, 120S

EST (D) Dual Circuit models: 72D, 96D, 100D, 120D, 140D, 160D, 180D, 240D.

CS(S) Single Circuit models: 12S, 18S, 24S, 30S, 36S, 48S, 50S, 60S, 70S, 80S, 90S, 120S,

CS(D) Dual Circuit models: 72D, 96D, 100D, 120D, 140D, 160D, 180D, 240D.

(MODELS WITH SEMI-HERMETIC COMPRESSORS)

AIR COOLED MODELS:

PAC (S) Single Circuit; 010S, 020S, 030S, 031S, 040S, 050S, 051S, 075S, 100S, 120S, 150S, 200S, 220S, 250S, 301S, 351S, 400S, 500S, 600S

PAC (D) Dual Circuit; 150D, 200D, 240D, 300D, 400D, 440D, 500D, 601D, 701D, 800D, 1000D, 1200D

ES (S) Single Circuit; 010S, 020S, 030S, 031S, 040S, 050S, 051S, 075S, 100S, 120S, 150S, 200S, 220S, 250S, 301S, 351S, 400S, 500S, 600S

ES (D) Dual Circuit; 150D, 200D, 240D, 300D, 400D, 440D, 500D, 601D, 701D, 800D, 1000D, 1200D

WATER COOLED MODELS:

PWC (S) Single Circuit; 010S, 020S, 030S, 031S, 040S, 050S, 051S, 075S, 100S, 120, 150S, 200S, 220S, 250S, 301S, 35LS, 400S, 500S, 600S.

PWC (D) Dual Circuit; 150D, 200D, 240D, 300D, 400D, 440D, 500D, 601D, 701D, 800D, 1000D, 1200D.

Notes: * Mfr.'s specified nominal cooling capacity range: 1 ton to 50 tons. **

Mfr.'s specified nominal cooling capacity range: 1 ton to 100 tons.

Recommendation - That the above described liquid chillers, used in conjunction with compatible heat rejection equipment such as cooling tower (not part of this application), be accepted for indoor installation, 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, as to maximum sound levels permitted for exterior mechanical equipment.**
- 2. All shipments and deliveries of such equipment shall be provided with a laboratory label and a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided for in Section 27-131 of the Building Code.**
- 3. Approval of all electrical equipment, materials and devices shall be obtained from the Bureau of Electrical Control before installation.**

Final Acceptance

2/25/04

Examined By

Shyam S. Jindal