



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 394-07-E

Manufacturer: Schwank Ltd.
5285 Bradco Blvd.
Mississauga, Ontario L4W 2A6
CANADA

Trade Name(s): Schwank, InfraSave

Product: Gas-fired, infra-red radiant heaters
MEA Index #410-60 – Infra-red Heaters

Pertinent Code Section(s): 27-800, 27-826, RS 14-2(ANSI Z223.1)

Prescribed Test(s): RS 14-6 (ANSI Z83.6), CSA Int'l. Requirement 5-90 U.S.

Laboratory: Canadian Standards Association

Test Report(s): CSA Report: 1558613 dated October 4, 2004.

Description: The gas-fired, unvented infra-red combined-intensity patio heaters, Schwank series **patioSchwank 2300** and InfraSave series, **IO210**, are suitable for heating of outdoor and non-residential open and well-ventilated indoor spaces. These heaters are designed and certified for use on outdoor patios and other areas in accordance with National Standards, ANSI Z223.1 and ANSI/NFPA No. 70. Units are equipped with gas valves, igniter assemblies, orifice and direct-spark ignition controls. Heaters are approved for both horizontal- and angle-mounting. When angle-mounted, the short axis may be rotated to a maximum of 45 degrees. Series 2300 / IO210 heaters must be mounted with minimum clearance to combustibles, as shown in the installation manual or submittal date. Model numbers and input heating ratings are listed on the following page

Product Covered:

Schwank Model No.	Input Rating (Btu/hr)
2312-NG	23,000
2313-NG	35,000
2315-NG	50,000

InfraSave Model No.	Input Rating (Btu/hr)
IO212-NG	23,000
IO213-NG	35,000
IO215-NG	50,000

NOTE:

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS (INCHES)

Model Numbers		/ Type	Ends	Horizontal			30 Degrees Angle			45 Degrees Angle		
			C	D	E	F	G	H	J	K	L	
2312	IO212	Outdoor	3	5.5	7	9.5	1	9.5	12.5	1	11.5	
2312	IO212	Indoor	4	8	10	12.5	2.5	14	16	2	15.5	
2313	IO213	Outdoor	5	7.5	9	9.5	1.5	21	10.5	1.5	23	
2313	IO213	Indoor	6	10.5	14.5	14.5	2.5	26	17	2.5	28	
2315	IO215	Outdoor	16	8	13.5	10	2	21	12.5	2	24.5	
2315	IO215	Indoor	17	11	19	16.5	3	28.5	18.5	3	30	

C = Ends

D = Vertical clearance to ceiling (Horizontal installation)

E = Horizontal clearance to front or back (Horizontal installation)

F = Vertical clearance to ceiling (Installation at 30 degrees)

G = Horizontal clearance to back (Installation at 30 degrees)

H = Horizontal clearance to front (Installation at 30 degrees)

J = Vertical clearance to ceiling (Installation at 45 degrees)

K = Horizontal clearance to back (Installation at 45 degrees)

L = Horizontal clearance to front (Installation at 45 degrees)

Terms and Conditions: The above infrared radiant heaters are accepted with the following conditions:

1. Heaters are for commercial/non-residential type use only where flammable gases or vapors are not generally present.
2. Heaters shall be fired by natural gas with rigid gas piping installation only.

3. Heaters shall be installed in well-ventilated, open space with combustion air and required ventilation air provided according to the New York City Building Code.
4. Minimum installed clearances to combustible construction shall be as indicated above.
5. Heaters are suitable for use in aircraft hangars when installed in accordance with NFPA standard No. 409, and in public garages when installed in accordance with NFPA standard No. 88A, and repair garages when installed in accordance with NFPA No. 888.
6. All installations/connections shall be approved and tested by the Plumbing Division of the New York City Department of Buildings.
7. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
8. 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 in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance April 15, 2008

Examined By Steven Derfshidan