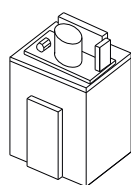


Subcooled Scale Ice Machine Compact Vertical Evaporator 5000 kg/24h

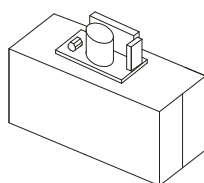
EC 50

Other models in this range:
EC10 - EC15 - EC25 - EC30 - EC40

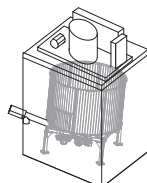
Split versions:
ES1014 - ES2040 - ES4050



Cold Room



Container



Silos

Features




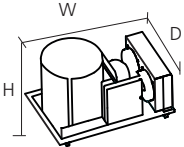
- Evaporator: cylinder made of AISI304 stainless steel, insulation made by polyurethane foam; external finishing in stainless steel; water distributor and drip-tray in ABS food-proof.
- Cover in stainless steel.
- Base in aluminium alloy (Peralluman).
- Rotating shaft and ice scraper made of stainless steel with self-lubricating stainless steel bearings.
- Drive motor with direct connection with gear reducer.
- Three phase water pump; Water level sensor on water distributor.
- Floating valve for water supply; Overflow connection on the base; Drip pan in ABS plastic.
- Thermostatic expansion valve with external pressure regulation.
- Salt dosing pump.
- Mechanical filter – on water pipe supply.

Condensing Unit

- Heavy basement frame in galvanized steel.
- Semi hermetic reciprocating compressor Bitzer 6G-30.2Y (EC50), 6FE-44Y (EC50H), air cooled condenser with fans with pressure regulating control.
- Liquid receiver with safety valve.
- Heat exchanger.
- Liquid filter, sight glass and solenoid valve.
- Oil separator; HP pressure switch/LP Pressure switch; differential oil pressure switch.
- Check valves on main components.

Electrical Control Panel

- Epoxy painted box IP54.
- General power switch; Emergency button with lighting for working conditions and alarms.
- Transformer for auxiliary contactors; Power contactors with thermal protection.
- Inverter and ammetric protection for drive motor speed control.
- Auxiliary contactors; timers and protections for drive motor, water level, water pumps, compressor pump down; oil thermostat control.
- Terminal board for electrical connections.

				
			1,8-2,2 mm	[WxDxH mm] 3200 x 2000 x 1680
			[kg] [lbs]	[WxDxH inches] 126" x 78 6/8" x 66 1/8"
EC 50 AS	25°/15°C - 77°/60°F	5000	11202	
EC 50H AS	35°/25°C - 95°/77°F	4500	9921	



Ice scales are the coldest form of ice. Formed at -5° to -9°C, they are very dry, with a residual water content of less than 2%. Scales look like fragments of glass, have an irregular shape and a thickness that can be adjusted from 1,4 to 2,2 mm.



R 404 A



[v/Hz/ph]
400/50/3+N

1

Year Warranty

Subject to certain limitations and exclusions

This product qualifies for the following listings:



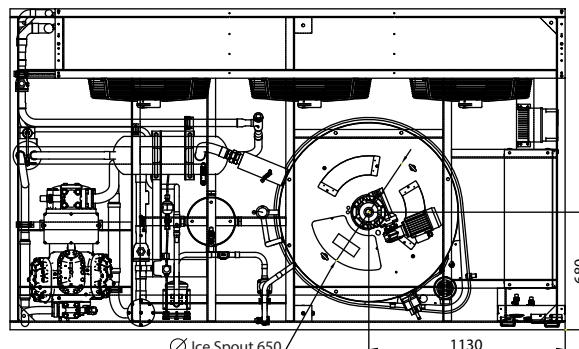
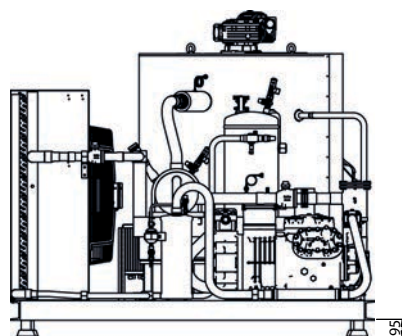
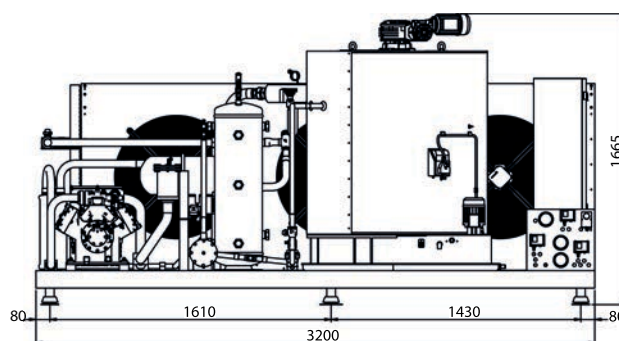
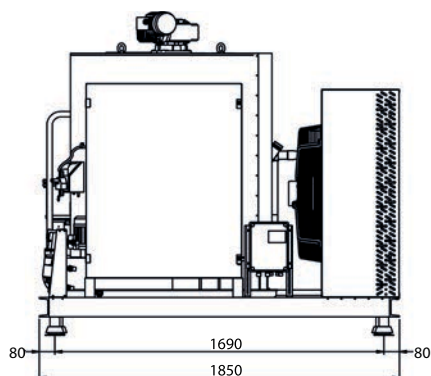
Certified ISO 9001:2008

Subcooled Scale Ice Machine Compact Vertical Evaporator 5000 kg/24h

EC 50

Other models in this range:
EC 10 - EC 15 - EC 25 - EC 30 - EC 40

Split versions:
ES1014 - ES2040 - ES4050



Clearance for maintenance

Around cylinder minimum 500 mm
Above drive motor minimum 500 mm
Above ice scraper minimum 1000 mm

Technical Features

Water supply:	Fresh
Air Flow m3/h:	20400
Refrigerant Charge kg:	60
Category PED (Dir. 97/23/CE):	III

Minimum		Maximum
5°C (41°F)		35°C (109°F)
5°C (41°F)		30°C (86°F)
-10%		+10%
1 bar 14 psi		5 bar 70 psi

	[V/Hz/ph]	[W]	[A]	[Ømm²]	[kg]	[lbs]	[shipping size mm]
EC 50 AS	400/50/3N	27200	48,00	5 x 6,0	1800	3968	3500x2150x1960 - (14,75 m³)
EC 50H AS	400/50/3N	30200	59,14	5 x 6,0	1900	4189	3500x2150x1960 - (14,75 m³)

IMPORTANT NOTICE:

Models and specifications are subject to change without notice.
This spec sheet is meant for commercial purpose only.
For technical documentation please refer to our service manuals.

www.scotsman-ice.it
www.scotsman-ice.com