

Scotsman[®]
Ice Systems



Scale ice Machines



Onboard Fishing Vessels, Fishing Industry, Seafood Processors, Fish Markets, Fish Product Distributors

Seafood Wholesalers and Retailers, Supermarkets, Produce Markets, Delis

Meat Markets, Poultry Processors, Sausage Plants, Bakeries, Fresh Produce Distributors, Dairy and Cheese Factories

Textile and Dyeing Industries, Chemical and Pharmaceutical Companies

Building and Road Companies, Other industrial processes

Industrial Line: production of Scale ice from 1.000 to 5.000 Kg/24h



Scale ice
Residual water 2%

Freedom of choice

Each model in our range of machines is specifically designed to accommodate the many variations found in industrial applications. Land-based or on-board, using air or water (fresh or seawater) condensers, compact or split configuration. The absolute priority assigned to Customer needs makes every installation a unique one, whereas standard components are merely the springboard for custom-made solutions that provide the most adequate answer to ever-changing demands.



Split Series

UR 20 ES 2040 on UBH 2250

A precision mechanism

Compact models made by galvanized structure frame where the evaporator is fixed and complete with semi-hermetic Bitzer compressor R404a, internal protection and crankcase heater; condenser in copper/aluminium coil with fans; pressure switch for fan speed regulation, liquid receiver with safety valve, filter and sight glass on liquid line, double pressure switch, differential oil pressure switch, oil separator, electrical control panel IP55 installed on board with electrical protections. Additional version is Remote Condensing unit (UR models) where the refrigeration system is built with the above mentioned components in a protected frame with doors and feet.

All machines are certified CE & PED.

Stainless Quality

Reliability and durability are guaranteed by the use of top quality materials, such as AISI304 grade stainless steel. Stainless steel cover for ES1014 models and aluminum alloy (Peralluman) for ES2040 and 4050 as for base. Expansion valve supplied with the machine.



Compact Series

Our unique features...

- 1 Rotating shaft and ice scraper
- 2 Salt dosing
- 3 Electrical control panel and protections
- 4 Lubrication System
- 5 Salt Feeding pump
- 6 Compressor
- 7 Drive motor with gear reducer
- 8 Ice scraper and water distributor
- 9 Thermostatic valve
- 10 Electrical control board
- 11 Pressure switch and gauges
- 12 Oil separator
- 13 Solenoid valve and filter

LAND - SIDE, FRESH WATER, EVAPORATOR ONLY			
Ambient T. +25°C / Water T. +15°C			
Fresh water	ES 1014	ES2040	ES4050
Daily Production (Kg 24h)*	1.000 - 1.400	2.000 - 4.000	4.000 - 5.000
Dimensions WxDxH cm (1)	70 x 62 x 84	90 x 79 x 140	111 x 103 x 149
Gross weight Kg	130	355	680
Electrical Power KW	0,25	0,53	0,53
Refrigerant	R404A/R507	R404A/R507	R404A/R507
Electrical Supply	400V/50Hz/3ph+N (230V/60Hz/3ph on request)		

[*] Daily production depends on operating conditions (1) for drawings please refer to our specific literature

LAND - SIDE, CORROSION RESISTANT (MARINE) EVAPORATOR ONLY					
Ambient T. +25°C / Water T. +15°C					
Fresh water	ES2040SA	ES4050SA	Sea water	ES2040LSW	ES4050LSW
Daily Production (Kg 24h)*	2.000 - 4.000	4.500 - 5.000	Daily Production (Kg 24h)*	2.000 - 4.000	4.500 - 5.000
Dimensions WxDxH cm (1)	90 x 79 x 140	111 x 103 x 149	Dimensions WxDxH cm (1)	90 x 79 x 140	111 x 103 x 149
Net weight Kg	350	680	Net weight Kg	350	680
Electrical Power KW	0,53	0,53	Electrical Power KW	0,53	0,53
Refrigerant	R404A/R507	R404A/R507	Refrigerant	R404A/R507	R404A/R507
Electrical Supply	400V/50Hz/3ph+N (230V/60Hz/3ph on Request)		Electrical Supply	400V/50Hz/3ph+N (230V/60Hz/3ph on Request)	

[*] Daily production depends on operating conditions (1) for drawings please refer to our specific literature

Remote Condensing Units for ES Units, FRESH WATER			
Ambient T. +32°C - Water T. +15°C			
Fresh water	UR 20 (ES2040)	UR 30 (ES2040)	UR 50 (ES4050)
Daily Production (Kg 24h)*	Ice thickness 1,8 - 2,2 mm		
	3.000	3.800	5.000
Dimensions WxDxH cm (1)	199 x 99 x 160	272 x 99 x 170	272 x 99 x 170
Gross weight Kg	490	560	570
Electrical Power KW	20,00	24,00	27,00
Refrigerant	R404a	R404a	R404a
Electrical Supply	400V/50Hz/3ph+N (230V/60Hz/3ph on request)		

[*] Daily production depends on operating conditions (1) for drawings please refer to our specific literature

LAND - SIDE, FRESH WATER, COMPLETE UNITS						
Ambient T. +25°C / Water T. +15°C						
Fresh water	EC 10	EC 15	EC 25	EC 30	EC 40	EC 50
Daily Production (Kg 24h)*	Ice thickness 1,2 / 1,6 mm					
	1.000	1.400	2.500	3.800	-	-
Daily Production (Kg 24h)*	Ice thickness 1,8 / 2,2 mm					
	-	-	-	3.000	3.800	5.000
Dimensions WxDxH cm (1)	126x85x92	150x95x92	190x180x150	190x180x150	190x180x150	291x200x158
Net weight Kg	220	300	860	750	790	1.800
Electrical Power KW	4,50	6,00	11,00	16,00	19,40	22,70
Refrigerant	R404a	R404a	R404a	R404a	R404a	R404a
Electrical Supply	400V/50Hz/3ph+N (230V/60Hz/3ph on request)					

[*] Daily production depends on operating conditions (1) for drawings please refer to our specific literature

Truly global!



...and you are in good hands

Our Clients will admit that, once installed, our units may be easily "forgotten". This is the best possible evidence of customer appreciation for our products and quality. Such trust is only acquired after years of successful installations and the trouble-free operation of our machines, at any latitude around the world.

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