

Natural Freshness

HIGEL[®]
Kältetechnik
Refrigeration Technology

Scale ice for every application



- **Meat products**
- **Pastry**
- **Fish and poultry**
- **Gastronomy**
- **Supermarkets**
- **Clinics and Laboratories**
- **Hospitals and Convalescence centres**
- **Beauty Farms**
- **Constructions for the Chemical Industry**
- **... and many other applications**



Scale ice makers • Rotation vaporisers • Ice storage containers

Scale ice makers **HEC** Series

Complete machines

Scale ice makers without storage container

- For small, medium and large companies
- Compact size
- High performance
- Simple operation
- Suitable for all applications



HEC 120



HEC 200 - 400

Daily output
of
120 kg
to
6.000 kg

Ice-cold energy ...

Scale ice makers HEC Series

Complete machines



Specifications:

Type	Output* [kg/24h]	Consumption [Watt]	Voltage [V / Hz]	Weight [kg]	Dimensions [mm]			Recommended ice storage container
					Width	Height	Depth	
HEC 120	approx. 120	620	230 / 50	58	500	640	320	EB1
HEC 200	approx. 200	940	230 / 50	95	750	770	650	EB3
HEC 400	approx. 400	1.800	400 / 50	110	750	770	650	EB3
HEC 800	approx. 800	2.800	400 / 50	220	1.020	1.010	700	EB4
HEC 1500	approx. 1.500	4.800	400 / 50	360	1.300	1.260	1.000	EB4 / EB5 / EB6
HEC 2200	approx. 2.200	6.800	400 / 50	460	1.300	1.260	1.000	EB5 / EB6
HEC 3000	approx. 3.000	8.500	400 / 50	490	1.300	1.505	1.020	EB5 / EB6
HEC 4500	approx. 4.500	12.000	400 / 50	750	1.700	1.770	1.160	
HEC 6000	approx. 6.000	16.000	400 / 50	980	1.700	1.770	1.160	

* Performance specifications are valid for an ambient temperature of +22°C and water intake temperature of +12°C

... ice-cold calculated!

Insulated ice storage containers EB Series

- For the cool provision with stocks of your precious HIGEL scale ice
- With an 40 mm thick insulation
- Ensures optimum pour ability of the scale ice, even after lengthy storage
- Can be optimally used for nearly every application



Ice storage container EB1



Ice-Boy

Specifications:

Type	Dimensions [mm]			Content [kg]	Weight [kg]
	Width	Height	Depth		
Ice-Boy, mobile	600	900	600	70	70
Ice container EB1	600	800	800	70	70
Ice container EB3	750	1.300	1.150	210	130
Ice container EB4	1.300	1.250	1.740	500	305
Ice container EB5	1.300	1.608	1.740	900	320
Ice container EB6	1.300	2.100	1.740	1.300	460

HIGEL Scale Ice Storage Systems ...

Scale ice makers **HEC EB Series** with insulated ice storage containers

- Complete solution for small, medium and large companies
- Compact design with high performance



HEC 1500 EB5



HEC 120 EB1

Available for example in the following versions:

- HEC 120 EB1
- HEC 200 EB3
- HEC 400 EB3
- HEC 800 EB4 / EB5
- HEC 1500 EB4 / EB5 / EB6
- HEC 2200 EB5 / EB6
- HEC 3000 EB5 / EB6

... individually combined!

Scale ice makers

HEC-G / HER-G** Series

- Particularly suitable for mobile transport systems
- Taking out of scale ice on site - for example: fish counter and buffet
- ON and OFF function automatic
- Recommended ice storage container: insulated cutter carriage 200 l (about 90 kg) ice volume



Specifications:

Type	Output* [kg/24h]	Consumption [Watt]	Voltage [V / Hz]	Weight [kg]	Dimensions [mm]		
					Width	Height	Depth
HEC-G 200	approx. 200	950	230 / 50	165	860	1.600	950
HEC-G 400	approx. 400	180	400 / 50	180	860	1.600	950
HER-G 200	approx. 200	100	230 / 50	165	860	1.600	950
HER-G 400	approx. 400	120	400 / 50	180	860	1.600	950

* Performance specifications are valid for an ambient temperature of +22°C and water intake temperature of +12°C

** HER-G: for connection to the cooling system (connected system)

Natural Freshness ...

Original accessories from **HIGEL**

Chutes

- Basic chutes, extension chutes, trousers chutes
- Execution alternatively in stainless steel with plastic interior paneling or completely from plastic
- In different lengths available, also after customer's request



Salt dosing system

- Application for larger and thicker ice flakes
- For the food and fish industry, also supermarkets and presentations and many more ...

Cleaning systems

- Standard: automatic residual water drainage
- Optional: one to three components cleaning, also after customer's request (different cleaning agents can be used)
- Optional: Stainless steel - photo reactor to sterilize the water inflow (design size from 400 l/h)

... individual solutions!

Scale ice makers **HER Series**

Rotation vaporisers (without cooling unit)

Daily output
of
400 kg
to
12.000 kg



- Can be integrated in existing cooling systems (connected systems)
- Various refrigerants can be used
- Especially suitable for export to integrate a cooling unit with country specific voltages/frequencies on site
- Also available as split model for separate installation of scale ice maker and cooling unit

Specifications:

Type	Output* [kg/24h]	Consumption [Watt]	Voltage [V / Hz]	Weight [kg]	Dimensions [mm]		
					Width	Height	Depth
HER 400	approx. 400	120	400 / 50	60	1.000	520	600
HER 800	approx. 800	150	400 / 50	78	1.000	520	600
HER 1500	approx. 1.500	250	400 / 50	140	1.300	620	600
HER 2200	approx. 2.200	250	400 / 50	150	1.300	620	600
HER 3000	approx. 3.000	320	400 / 50	250	1.300	620	600
HER 4500	approx. 4.500	550	400 / 50	290	1.500	772	702
HER 6000	approx. 6.000	550	400 / 50	338	1.500	772	702
HER 12000	approx. 12.000	1500	400 / 50	680	1.700	1.500	800

* Cooling capacity requirement on request

Compact design ...

Scale ice makers **HER Z CO₂** Series Rotation vaporisers (without cooling unit)



Daily output
of
250 kg
to
3.700 kg

CO₂ based scale ice makers

- For integration in existing cooling systems (connected systems)
- Equipped as standard with electronic expansion valve
- Specific voltages on request

Specifications:

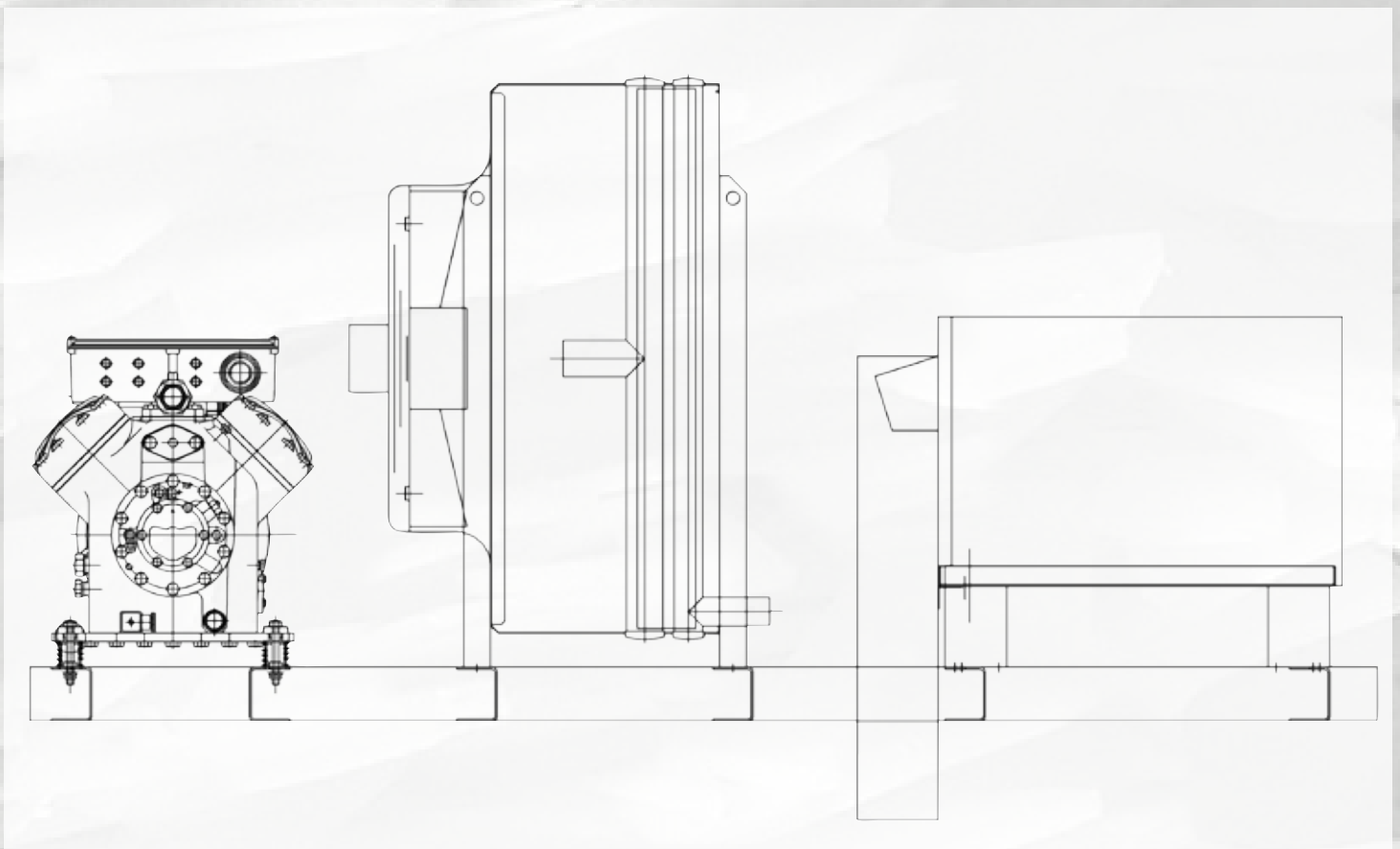
Type	Output [kg/24h]	Consumption [Watt]	Voltage [V / Hz]	Weight [kg]	Dimensions [mm]		
					Width	Height	Depth
HER 200 Z CO ₂	approx. 250	150	230 / 50	45	750	770	650
HER 400 Z CO ₂	approx. 500	150	380 / 50	60	1.210	520	600
HER 800 Z CO ₂	approx. 1.000	150	380 / 50	78	1.210	520	600
HER 1500 Z CO ₂	approx. 1.900	200	380 / 50	140	1.510	620	600
HER 3000 Z CO ₂	approx. 3.700	350	380 / 50	250	1.510	620	600

... high performance!

Scale ice makers **HER-R / HER-S Series**

HER-R Series: Installation on frame

- Ice maker in case – compressor/condenser* on a frame
- Particularly suitable for higher ambient temperatures



HER-S Series: Split Version

- Split = separate Installation, for example: scale ice maker on the production site, the refrigeration unit/condenser* at another location

* very high condensation power possible

Intelligent, innovative, reliable ...

Intelligent PLC controlling from **HIGEL**

HIGEL Kältetechnik

Higel 3000
Pr: 000000H
Machine ON

F.Out

En

Esc

Uhr

Aus

EX

DEL

ALT

Switch runs!
28.01.2012
16:50

Rotation
Error!
Please change
phases!

Water miss.!
FF time: 035.000
NF time: 003.000
Number: +001x

Higel 3000
Start: +000001 min
Prod: 000200 kg
BackL: +000 s

Silo not
in position!
Empty 00:19 s
Maschine ON

High pressure
Error!
S10
Number: +000x

*“...finally a machine
that understands me...”*

- Support for the production of individually programmable season time switch and advanced features of the display
- Process control and error indication in plain text on the display
- Thereby avoiding unnecessary production failures
- Only from type HEC 3000 available as standard, from type HEC/HER 400 available as option

... Scale ice makers from

Scale ice technology from



... the future ahead!

- ▶ Competence and quality “made in Germany”
- ▶ Careful, high-quality finish
- ▶ Long life materials like stainless steel
- ▶ CFC free and environmentally friendly because of refrigerants R404a or CO₂

HIGEL scale ice makers are:

- compact and suitable for various applications
- very quiet running
- innovative, powerful, hygienic
- flexible, tailored to individual needs and requirements of customers

HIGEL scale ice makers have:

- high efficiency = low cost of production
- excellent running properties
- automatic residual water drainage as standard – also in case of power failure
- fully automatic self-cleaning with click of a button
- 24 V control voltage – spread worldwide

HIGEL scale ice is:

- frozen dry at constant temperature of ice of -6°C to -8°C
- optimally pourable even after prolonged storage in ice container

* Performance specifications are valid for an ambient temperature of +22°C and water intake temperature of +12°C

Special voltages and water-cooled versions available on request.
We reserved the right to make alternations in the interest of technological advancement.
All illustrations, dimensions and weights are non-binding.

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