

Cooling Capacity: 11 to 176 kW



Application

- Food chains – supermarkets and logistic center**
- Cold and freeze stores for fruits, vegetables, meat and milk products**
- Food processing industry – meat & fish processing, dairy works, bakery**

Features

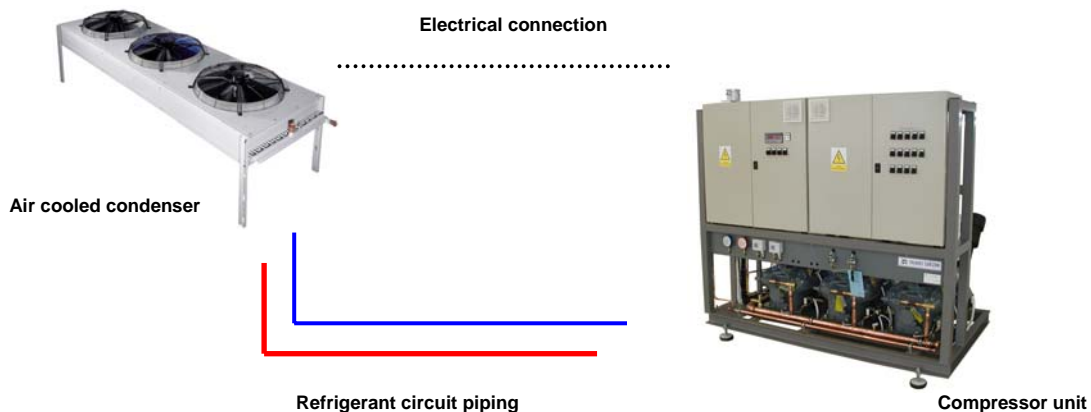
- Variable cooling power according cool demand
- Cost effective operation
- Very low noise and vibration
- Design for indoor application
- Easy installation and service
- High reliability and endurance
- Optional accessories

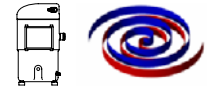
Standard Unit Features

- Semihermetic or hermetic compressors
- Electric crankcase oil heater
- Oil management and oil filtration
- Suction and liquid filter
- Shut off insulation valves on suction and discharge ports
- High and low pressure switch
- Pressure transducer on discharge and suction side
- Control system, control box and monitoring device
- Back-Up control system
- Free positions for placement customer devices control inside unit control box
- Factory leak test
- Charged with protection gas
- CE Conformity declaration

Optional Accessories

- Compressor capacity control (semihermetic only)
- Compressor start up unloader
- Control system optional
- Customer devices control
- Compressor noise reduction option
- Unit frame zink plated
- Economizer (liquid subcooling)
- Receiver tank with relieve valve
- Refrigerant liquid level sensor
- Heat recovery
- Heat recovery pump control
- Remote monitoring via RS 485
- Remote night mode control via RS485
- Remote air cooled condenser
- Condenser fans speed control





Technical Specification

Compressor rack units series Type "I" with hermetic scroll compressors. Compressors are fitted together with control box on one common frame.

Units are designed for ambient up to 43°C and for cooling and freezing applications from +7 to -35°C (room temperature). Unit can be delivered with different optional accessories.

Compressor Racks Recommended for Cooling Applications

Model	Cooling Capacity (kW) ⁽¹⁾ Te=-10°C	Application Range ⁽²⁾ [°C]	Compressors Number [-]	Dimensions AxBxH [mm]	Weight ⁽³⁾ [kg]	Sound Power ⁽⁴⁾ L _w [dB(A)]
IME-ZB-45/3	29.0	-25 ... +10	3	1100x780x1950	532	81.7
IME-ZB-45/4	38.6	-25 ... +10	4	1100x780x1950	576	86.6
IME-ZB-45/5	48.3	-25 ... +10	5	2010x780x1950	715	93.2
IME-ZB-45/6	57.9	-25 ... +10	6	2010x780x1950	759	99.7
IME-ZB-45/7	67.6	-25 ... +10	7	2010x780x1950	803	106.3
IME-ZB-45/8	77.2	-25 ... +10	8	2010x780x1950	872	112.8
IME-ZB-45/9	86.9	-25 ... +10	9	2010x780x1950	916	119.4
IME-ZB-45/10	96.5	-25 ... +10	10	2010x780x1950	965	125.9
IME-ES-H725/3	42.2	-18 ... +7	3	2010x780x1950	664	-
IME-ES-H730/3	50.7	-18 ... +7	3	2010x780x1950	787	-
IME-ES-H736/3	60.9	-18 ... +7	3	2010x780x1950	800	-
IME-ES-H743/3	72.6	-18 ... +7	3	2010x780x1950	817	-
IME-ES-H736/4	81.2	-18 ... +7	4	2010x780x1950	861	-
IME-ES-H743/4	96.8	-18 ... +7	4	2010x780x1950	956	-
IME-ES-H736/5	101.5	-18 ... +7	5	2010x780x1950	1163	-
IME-ES-H743/5	121.0	-18 ... +7	5	2010x780x1950	1190	-

Compressor Racks Recommended for Freezing Applications

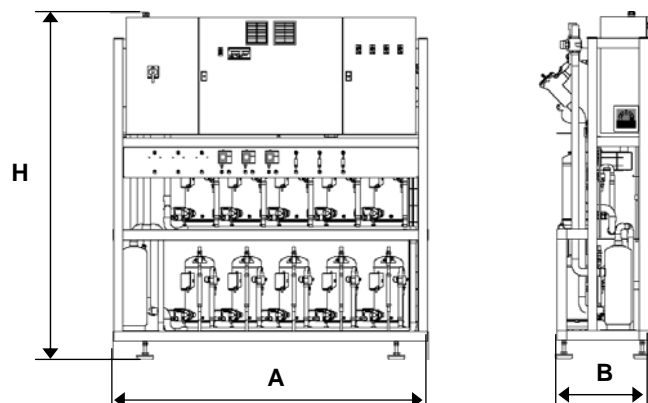
Model	Cooling Capacity (kW) ⁽¹⁾ Te=-30°C	Application Range ⁽²⁾ [°C]	Compressors Number [-]	Dimensions AxBxH [mm]	Weight ⁽³⁾ [kg]	Sound Power ⁽⁴⁾ L _w [dB(A)]
ILE-ZF-18/3	12.9	-40 ... -10	3	1100x780x1950	535	81.7
ILE-ZF-18/4	17.2	-40 ... -10	4	1100x780x1950	580	89.1
ILE-ZF-18/5	21.5	-40 ... -10	5	2010x780x1950	720	96.5
ILE-ZF-18/6	25.8	-40 ... -10	6	2010x780x1950	765	103.8
ILE-ZF-18/7	30.1	-40 ... -10	7	2010x780x1950	810	111.2
ILE-ZF-18/8	34.4	-40 ... -10	8	2010x780x1950	880	118.6
ILE-ZF-18/9	38.7	-40 ... -10	9	2010x780x1950	925	125.9
ILE-ZF-18/10	43.0	-40 ... -10	10	2010x780x1950	975	133.3

⁽¹⁾ Shown for 40°C condensing temperature, 5K liquid subcooling, for evaporator temperature Te see table header, 5K superheat, +20°C/0°C suction gas return for cooling/freezing units, refrigerant R404A; data for different conditions on request

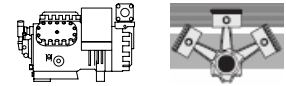
⁽²⁾ Applicable evaporator temperature range (T_e)

⁽³⁾ Unit weight – without condenser and filling

⁽⁴⁾ Unit sound power L_wA (compressors only)



Illustrative picture



Technical Specification

Compressor rack units series Type "I" with semihermetic compressors. Compressors are fitted together with control box on one common frame.

Units are designed for ambient up to 43°C and for cooling and freezing applications from +7 to -35°C (room temperature). Unit can be delivered with different optional accessories.

Compressor Racks Recommended for Cooling Applications

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IME-C3-3SC075	53.7	-30 ... -5	3	2000x1180x1850	940	83.6
IME-C3-3SS100	71.1	-30 ... -5	3	2000x1180x1850	985	84.5
IME-C3-4SH250	100.5	-25 ... +5	3	2000x1180x1850	1095	87.9
IME-C3-4SJ300	123.0	-25 ... +5	3	2000x1180x1850	1170	97.9
IME-C3-6SH350	150.0	-25 ... +5	3	2000x1180x1850	1210	94.5
IME-C3-6SJ400	175.5	-25 ... +5	3	2000x1180x1850	1325	97.9

Compressor Racks Recommended for Freezing Applications

Model	Cooling Capacity (kW) ⁽¹⁾ Te=-30°C	Application Range ⁽²⁾ [°C]	Compressors Number [-]	Dimensions AxBxH [mm]	Weight ⁽³⁾ [kg]	Sound Power ⁽⁴⁾ L _w [dB(A)]
ILE-C3-2DL050	17.7	-42 ... -15	3	2000x1180x1850	920	83.0
ILE-C3-3SC075	18.3	-42 ... -15	3	2000x1180x1850	950	83.6
ILE-C3-3SS100	26.7	-42 ... -15	3	2000x1180x1850	990	84.5
ILE-C3-4SL150	39.8	-42 ... -15	3	2000x1180x1850	1080	89.0

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⁽²⁾ Applicable evaporator temperature range (T_e)

⁽³⁾ Unit weight – without condenser and filling

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Illustrative picture

