

refrigeration technology SPOL. S R.O.

in cold-storage warehouses for maturing beer

JDK modern cooling technologies with condensing units, control panels with control and regulation systems, evaporators and automatic elements enabling the operation of cold-storage warehouses for beer maturing that is optimal from an energy and environmental point of view and does not require an operator. With their technical development, the use of components from renowned manufacturers and a series of successful applications, they guarantee adherence to all parameters necessary for compliance with all capacity requirements.

Condensing units are designed with sealed scroll compressors supplied by the renowned Copeland manufacturer. Their technical parameters guarantee high efficiency, quiet operation without vibration, low noise level and mass. They are placed on a common frame with a condenser provided with fans, protective and regulation elements and a switchboard box.



Evaporators are designed with heating rods whose output is related to the output parameters of the condensing units; they guarantee an optimal air flow and comply with the hygienic requirements of the environment. They feature low consumption of electric energy and minimal maintenance requirements.



The control switchboards involve power devices protecting the unit and evaporators and a control device regulating the unit and condenser fans.

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The regulati- solved with -mechanical gulator that o p t i m a l ment of the ture in the space and rator de-icing connection to module.



reference

NYMBURK Brewery

Type of Condensing Unit

- JHE-ZR-185

Cooling Output

- 29,9 kW at $t_e = -5\text{ }^\circ\text{C}$, $t_{11} = +32\text{ }^\circ\text{C}$

Electrical Input

- 12,8 kW při $t_e = -5\text{ }^\circ\text{C}$, $t_{11} = +32\text{ }^\circ\text{C}$

Type of Compressors

- hermetic scroll compressors Copeland

Type of Evaporator

- Friga-Bohn SK evaporators

Used Refrigerant

- R 404A

Electronic Control

- control switchboard
- programmable regulator Eliwell

STORAGE SPACE

Volume

- 1 112 m³, 18 tanks, 200 hl each

Temperature of space

- +3 °C

Cooling

- from +6 °C to +3 °C

Beer turnover

- approx. twice a month



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