

Reduction of Energy Consumption for Refrigerating Plant With Air-cooled Condense

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Abstract

To reduce the consumption of power in refrigerating plant, a scheme consist of two expansion valves connected in parallel arrangement for operating in summer and winter seasons according to suitable pressure. One valve for operating at high temperature and the other for operating at low temperature. The reduction in power consuming has been demonstrated for refrigerating unit.. The refrigerating unit operated with ammonia and use air-cooled condenser. The unit Insulated with sandwich panel .

¹ For the paper in Arabic see pages (241-253).

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