



SCREW COMPRESSOR S73 – 42

Refrigerating capacity and power consumption

Volume ratio 4.2

CAPACITY AND POWER CONSUMPTION

The capacity curves refer to a process with no sub-cooling of the liquid and no superheating of the suction gas. Corrections for subcooling and superheating are to be made according to manual sheet 411-E-10.

Check another built-in volume ratio for best efficiency.

$$\text{Capacity (60 Hz)} = \text{Capacity (50 Hz)} \times 1.2$$

$$\text{Compressor input (60 Hz)} = \text{Compressor input (50 Hz)} \times 1.2$$

t_1 = condensing temperature

CONDENSER PERFORMANCE

For condenser performance see manual sheet 4840-E-1.

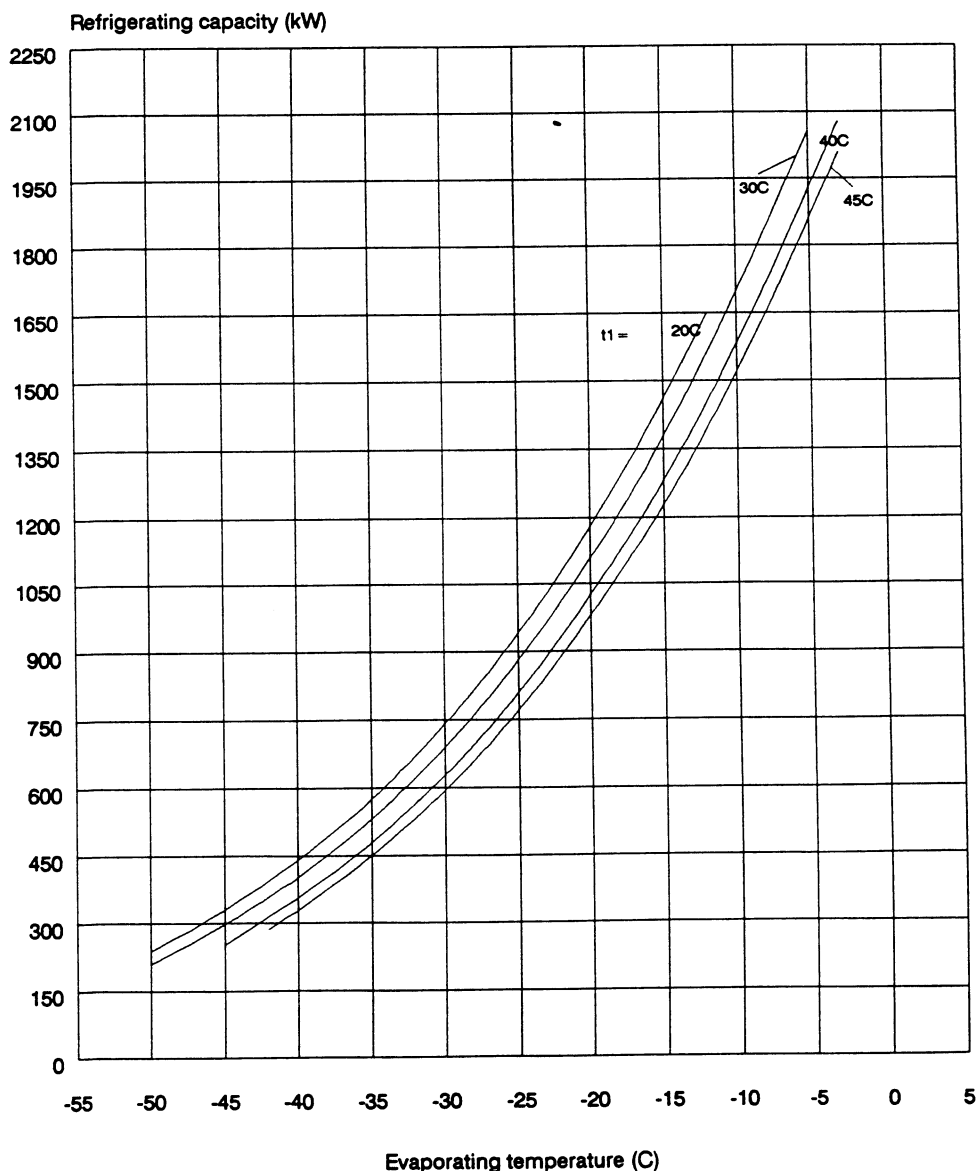
LIMITATIONS

There are certain limitations in the operation range of the compressor.

For combination of condensing and evaporating temperatures outside the curves, ask for further information.

50 Hz
2950 r/m

Refrigerant : NH₃
Cooled oil

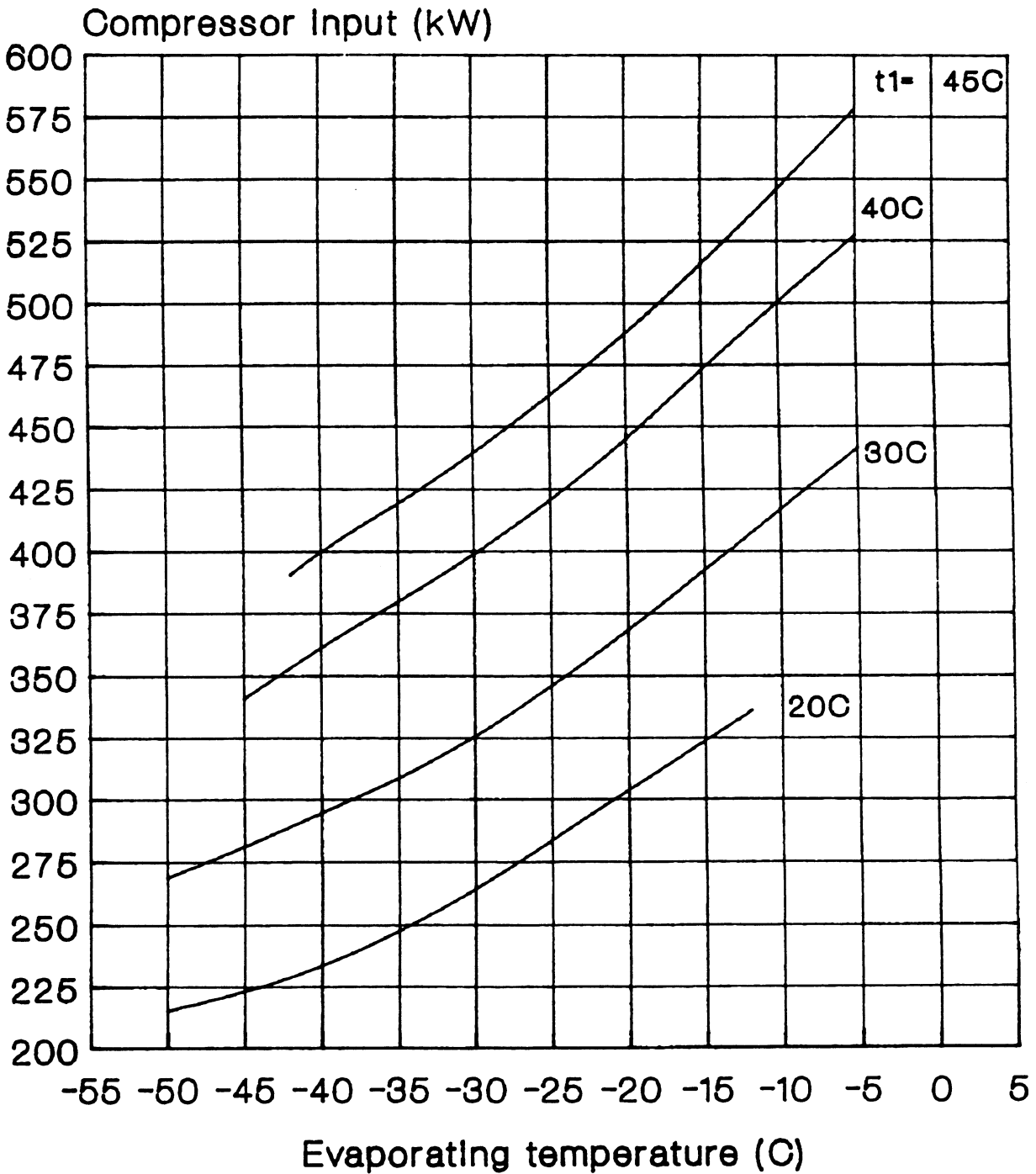




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Refrigerating capacity and power consumption
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Refrigerant : NH₃
Cooled oil

50 Hz
2950 r/m





SCREW COMPRESSOR S73E – 42
Refrigerating capacity and power consumption
Volume ratio 4.2
STALOMIZER

CAPACITY AND POWER CONSUMPTION

The capacity curves refer to a process with subcooling of the liquid to the intermediate temperature (Stalomizer-temperature) and with no superheating of the suction gas. Correction for STALOMIZER-system with heat exchanger and correction for superheating are to be made according to manual sheet 411-E-10.

Check another built-in volume ratio for best efficiency.

Capacity (60 Hz) = Capacity (50 Hz) × 1.2

Compressor input (60 Hz) = Compressor input (50 Hz) × 1.2

t_1 = condensing temperature

For intermediate temperatures see manual sheet 4840-E-5E.

CONDENSER PERFORMANCE

For condenser performance see manual sheet 4840-E-1.

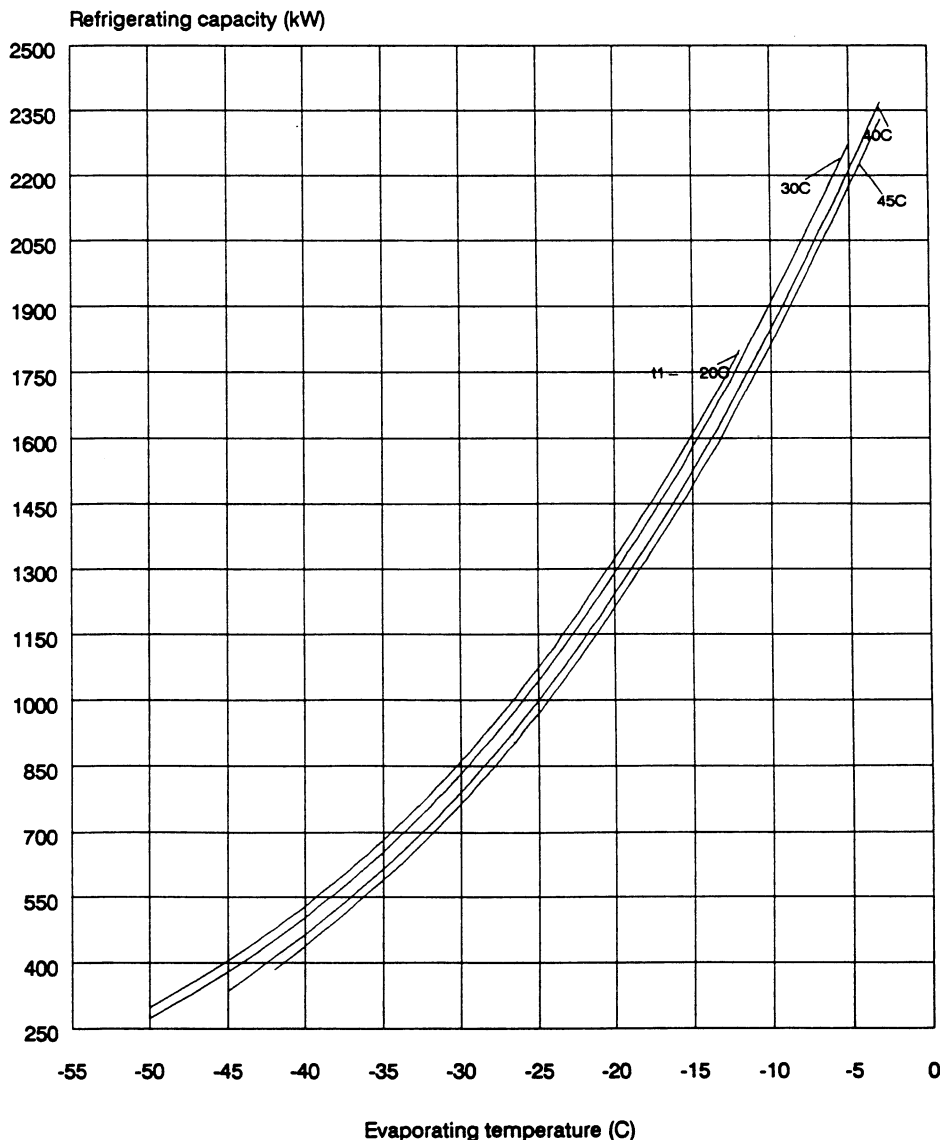
LIMITATIONS

There are certain limitations in the operation range of the compressor.

For combination of condensing and evaporating temperatures outside the curves, ask for further information.

50 Hz
2950 r/m

Refrigerant : NH₃
Cooled oil





SCREW COMPRESSOR S73E - 42
Refrigerating capacity and power consumption
Volume ratio 4.2
STALOMIZER

Refrigerant : NH₃
Cooled oil

50 Hz
2950 r/m

