



DK-Heat Recovery

Refrigeration Company

Inquiry Offer Order

Comm No. _____

Name _____

Street _____

Town/City _____

Cooling Company Stamp

Industry

- Bakery Butcher Gastronomy
 Supermarket Agriculture _____

General Data:

Height of the room for the installation _____ mm

Width of the narrowest door _____ mm

Existing plumbing connections a) Cold Water _____"; b) Hot Water _____" / _____ mm

Hot water consumption per day approx. _____ liters

Largest short term warm water consumption approx. _____ liters (e. g. filling in a butchers shop)

Other/Additional unusual features: _____

Exiting technical data:

Attached cooling units:

Place for use (e. g. freezer room)	Machine size		Design			Refrigerants	Evaporations Temperature	Condensation Temperature	Cooling capacity (W)	Condenser performance
	Horse power	KW	open	halfherm.	fullherm.					
1.)										
2.)										
3.)										
4.)										
5.)										
6.)										

Notes for determining the condenser performance:

Condenser performance is equal to:

	$t_o - 30^{\circ}\text{C}$	$t_o - 10^{\circ}\text{C}$	$t_o \pm 0$
I open cooling units: Cooling capacity	x 1.2	x 1.15	x 1.1
II halfherm. cooling units: Cooling capacity	x 1.35	x 1.25	x 1.2
III fullherm. cooling units:	Cooling capacity + motor capacity		
IV suction gas cooling units:	Cooling capacity + motor capacity		

Sum total: _____

Calculation for attainable hot water quantity:

$$\frac{\text{Total of condensation quantity} \times \text{efficiency} \times \text{conversion W/kcal} \times \text{machine running timer per day}}{\text{Temperature difference between the flow of cold and hot water}}$$

$$\frac{\text{_____ (Watt)} \times 0,85 \times 0,86 \times \text{_____ hour}}{\text{_____}} = \text{_____ liters/day}$$