



HYSAVE  
ISO9001 : 2001  
PED 97/23/EC

# HYSAVE

## On-Site *Refrigeration* Survey Form: Step1.

*Related to Refrigeration Equipment with Remote Condensers - HT & LT Packs & Racks  
SST -32°C / -9°C. Condensing Temperatures +10 / +15°C*

---

### **Summary:**

Step 1      **Survey phase** In this step eligibility is determined for the implementation of our technologies into the customers equipment. This step is perhaps the most important. The information gathered here will determine just how effective the customers system can be modified to run efficiently and save energy.

This step involves gathering data about the customer's equipment.

Using this information gathered from the customer's equipment and comparing it to the equipment manufactures performance data, you can determine the impact we can expect after the installation.

Based on accuracy of the information provided below, as analysis of system performance can be made and improvements to system efficiency determined.

Complete the form below with as much information possible. If required, use the space below to sketch elevation of plant relative to condenser and evaporators / cases etc.

Once complete, fax or send this form back to:

Fax: 615 246 3900

Tel: 615 346 9163

Motor Dynamics, Limited  
PO Box 1810  
Goodlettsville, Tennessee 37070  
Tel 615 346 9163 USA  
Tel 242 556 8439 Bahamas  
email: mikel.mdl@gmail.com  
www.mdlii.com



HYSAVE  
ISO9001 : 2001  
PED 97/23/EC

# HYSAVE

## On-Site *Refrigeration* Survey Form: Step1.

### Refrigeration Survey Form

Company Name: -----  
Address: -----  
Contact Person: -----  
Phone: -----

Person filling out form:  
Name:-----  
Phone:-----

**Refrigerant Type:** R-134a, R-22, 407c, 401a, 402, 404a, Other -----

**Compressor Data:**

Manufacturer:----- Type: Scroll, Reciprocating, Screw  
Compr.#-----Model:-----  
Compr.#-----Model:-----  
Compr.#-----Model:-----  
Compr.#-----Model:-----  
Compr.#-----Model:-----  
Compr.#-----Model:-----

Total number of compressors per pack or liquid line-----

**Condenser Data:**

Type: Air-cooled, Water-cooled, Evaporative  
Total # of fans----- Fan KW----- Variable / Inverter Driven Fans: Y or N

**Evaporator Data:**

Type of Expansion Device:----- (TEV,EEV )  
Elevation of liquid line: No. of metres ----- liquid line insulated: Y or N

**Receiver Data:** Type - horizontal, vertical, surge, flow-through Location of Receiver:(in plant room, under condenser on roof)-----  
Receiver out-let piping: (bottom out-let, top out-let dip tube, bottom side outlet)-----

**Liquid Line Data:** Length of liquid line from receiver outlet to furthest expansion valve:-----  
Vertical height or elevation of liquid line from receiver to expansion valve:-----

**Auxiliary Data:**

Defrost type (hot gas, cool gas, electric, off cycle:-----  
Liquid/Suction heat exchanger (yes/no) -----

**Actual Operational Data:**(These are actual system operating temperatures / pressures as read from the gauges)

Saturated Condensing Temperature SCT):----- or Pressure:-----  
Saturated Suction Temperature (SST):----- or Pressure:-----

Ambient Temperature:-----



HYSAVE  
ISO9001 : 2001  
PED 97/23/EC

# HYSAVE

## On-Site *Refrigeration* Survey Form: Step 1.

**Product Category:** (this is system design product temperature)

Chilled Foods, Fresh Meats, 0 to 2'C----- Yes / No

Frozen Foods, Ice Cream -18'C to -25'C----- Yes / No

Chilled Liquids, Production Cooling -5'C to 7'C----- Yes / No

Other:-----

**Run Hours:** #of operational hours per day: -----

#of operational days per week: -----

#of operational weeks per year: -----

Notes: