

# UNITROL CHILLER SIZING WORK SHEET

COMPANY: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

DATE: \_\_\_\_\_

AVAILABLE FACTORY VOLTAGE: Volts: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

**DIRECTIONS:** Enter the following equipment list for all welders and other machines to be connected to the chiller.

## A. Standard press or rocker arm single-point welders

Quantity: \_\_\_\_\_, KVA: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

Quantity: \_\_\_\_\_, KVA: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

Quantity: \_\_\_\_\_, KVA: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

Quantity: \_\_\_\_\_, KVA: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

Quantity: \_\_\_\_\_, KVA: \_\_\_\_\_, 1Ø \_\_\_\_\_, 3Ø \_\_\_\_\_

Typical number of spotwelds per hour per welder: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

## B. Transgun Welders

(Transformer in gun): Qty: \_\_\_\_\_, KVA: \_\_\_\_\_

Typical number of spotwelds per hour per welder: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

## C. Portable Gun Welders

(Transformer separate from gun): Qty: \_\_\_\_\_, KVA: \_\_\_\_\_, Kickless Cable \_\_\_\_\_ in.

Typical number of spotwelds per hour per welder: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

## D. Special Welders

### MACHINE #1

Number of transformers: \_\_\_\_\_, KVA of each transformer: \_\_\_\_\_,

Number of weld heads: \_\_\_\_\_

Secondary cables (check one):  Air cooled,  Water cooled

Typical number of spotwelds per hour per electrode: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

### MACHINE #2

Number of transformers: \_\_\_\_\_, KVA of each transformer: \_\_\_\_\_,

Number of weld heads: \_\_\_\_\_

Secondary cables (check one):  Air cooled,  Water cooled

Typical number of spotwelds per hour per electrode: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

### MACHINE #3

Number of transformers: \_\_\_\_\_, KVA of each transformer: \_\_\_\_\_,

Number of weld heads: \_\_\_\_\_

Secondary cables (check one):  Air cooled,  Water cooled

Typical number of spotwelds per hour per electrode: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

### MACHINE #4

Number of transformers: \_\_\_\_\_, KVA of each transformer: \_\_\_\_\_,

Number of weld heads: \_\_\_\_\_

Secondary cables (check one):  Air cooled,  Water cooled

Typical number of spotwelds per hour per electrode: \_\_\_\_\_

Typical thickness of metal being welded: \_\_\_\_\_

Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_

## **MACHINE #5**

**Number of transformers: \_\_\_\_\_, KVA of each transformer: \_\_\_\_\_,**

**Number of weld heads: \_\_\_\_\_**

**Secondary cables (check one):  Air cooled,  Water cooled**

**Typical number of spotwelds per hour per electrode: \_\_\_\_\_**

**Typical thickness of metal being welded: \_\_\_\_\_**

**Most common type of metal being welded (ie. carbon steel, stainless, aluminum, etc.) \_\_\_\_\_**

## **C: Other Loads**

1. MIG welders: Qty: \_\_\_\_\_, Torch Amp Rating: \_\_\_\_\_, Light \_\_, Heavy \_\_\_\_
2. TIG welders: Qty: \_\_\_\_\_, Torch Amp Rating: \_\_\_\_\_, Light \_\_, Heavy \_\_\_\_
3. Induction Heaters: Qty: \_\_\_\_\_, KW rating: \_\_\_\_\_, Light \_\_, Heavy \_\_\_\_
4. Piston Compressor: HP \_\_\_\_\_, single stage \_\_\_\_\_, dual stage \_\_\_\_\_, aftercooler \_\_\_\_
5. Screw Compressor: HP \_\_\_\_\_,
6. Other: