

**INJECTION MOLDING - HEAT LOAD ANALYSIS**
**Company:**
**Date:**

| #  | Machine No. | Machine Model | Shot Size (oz) | Plasticizing (lbs/hr) | Plastic Type | Mold Cooling Load (Tons) | Mold Water Flow (gpm) | Hydraulic HP | Hydraulic Load (Tons) | Hydraulic Water Flow (gpm) | Notes |
|----|-------------|---------------|----------------|-----------------------|--------------|--------------------------|-----------------------|--------------|-----------------------|----------------------------|-------|
| 1  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 2  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 3  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 4  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 5  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 6  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 7  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 8  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 9  |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 10 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 11 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 12 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 13 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 14 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 15 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 16 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 17 |             |               |                |                       |              |                          |                       |              |                       |                            |       |
| 18 |             |               |                |                       |              |                          |                       |              |                       |                            |       |

**AIR COMPRESSORS**

Air Cooled - No cooling Requirement

Water Cooled

| # | No. | Manufacturer | Size (HP) | Cooling Load (Tons) | Cooling Water Flow |
|---|-----|--------------|-----------|---------------------|--------------------|
| 1 |     |              |           |                     |                    |
| 2 |     |              |           |                     |                    |
| 3 |     |              |           |                     |                    |
| 4 |     |              |           |                     |                    |
| 5 |     |              |           |                     |                    |
| 6 |     |              |           |                     |                    |
| 7 |     |              |           |                     |                    |

**AIR DRYER**

Air Cooled - No cooling Requirement

Water Cooled

| # | No. | Manufacturer | Size (HP) | Cooling Load (Tons) | Cooling Water Flow |
|---|-----|--------------|-----------|---------------------|--------------------|
| 1 |     |              |           |                     |                    |
| 2 |     |              |           |                     |                    |
| 3 |     |              |           |                     |                    |
| 4 |     |              |           |                     |                    |