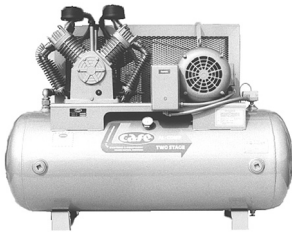


## COMPRESSED AIR SYSTEMS & REFRIGERATED AIR DRYERS

Project \_\_\_\_\_  
 Item \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 FCSI Section 11400 \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Date \_\_\_\_\_

### Models

- CAS-5 (VERTICAL)
- CAS-7.5 (VERTICAL)
- CAS-10 (HORIZONTAL)
- CAS-15 (HORIZONTAL)
- CAS-20 (HORIZONTAL)



CAS-10



CAS-7.5

### COMPRESSED AIR SYSTEMS

#### Standard Features

- Air Compressor mounted on A.S.M.E. rated Receiver Tank
- Baldor high efficiency Motor
- Magnetic Starter with Thermal Overloads, completely wired and mounted
- Balanced Pump, external and internal
- Cast Iron Cylinders
- Forged Crankshaft and Pistons
- High quality cast iron Piston Rings
- Cast aluminum Finned Inner Coolers
- Inner Cooler Safety Valve
- Manual Drain for Air Receiver Tank
- Automatic Start and Stop Control
- 14 gauge Belt Guard
- 1/2" Combination Filter/Pressure Regulator/Gauge
- 80 gallon Receiver Tank for CAS-5 & CAS-7.5
- 120 gallon Receiver Tank for CAS-10, CAS-15 & CAS-20
- Accepted for use in U.S.D.A. Inspected Facilities

### Short Form Specifications

Shall be CLEVELAND Model CAS-\_\_\_\_\_, COMPRESSED AIR SYSTEM, consisting of Air Compressor & Receiver Tank, \_\_\_\_ H.P. (horse power); High efficiency Baldor Motor with magnetic Starter, Automatic Start and Stop Control; balanced External and Internal Pump; 14 gauge Steel; Belt Guard; 1/2" combination Filter / Pressure Regulator; \_\_\_\_ gallon Receiver Tank.

### Options & Accessories

- Vibration Isolation Pads (set of four)
- 3/4" Diameter Stainless Steel Flex Hose
- Refrigerated Air Dryer with 37°F Dew Point
- Programmable, Automatic Drain Valve for Receiver Tank
- Larger models available on request

### Models

- CAS-AHT-20 (FOR CAS-5)
- CAS-AHT-30 (FOR CAS-7.5)
- CAS-AHT-40 (FOR CAS-10)
- CAS-AHT-50 (FOR CAS-15)
- CAS-AHT-75 (FOR CAS-20)



### REFRIGERATED AIR DRYERS

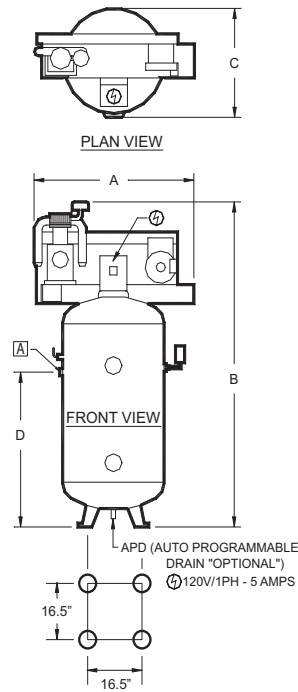
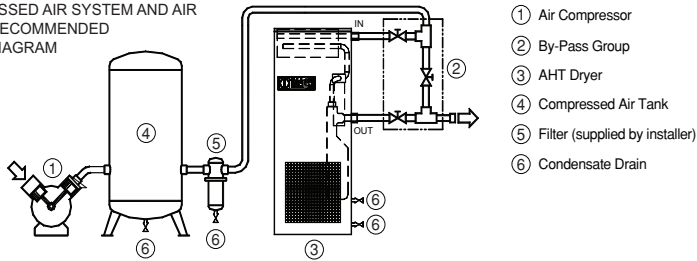
#### Standard Features

- Refrigerated air dryer for high inlet temperature
- Unique aluminum technology heat exchanger design
- Precise pressure dew point control over full operating range
- Solid State Controller
- Integrated after-cooler and 3-micron filter / separator
- Dual timed electronic drains with isolation valve and strainer
- Illuminated ON/OFF switch
- Drain set and push to test buttons
- Hot gas by-pass capillary tube controls
- R-134a refrigerant for environmentally friendly applications

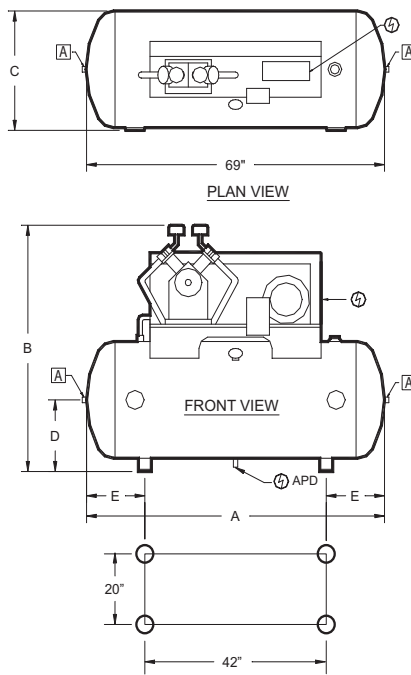
### Short Form Specifications

Shall be Cleveland Model CAS-AHT \_\_\_\_\_, Refrigerated Air Dryer for Series "CAS" Compressed Air Systems; precise pressure dew point control over full operating range; dual, programmable electronic timer drains; integrated after-cooler and 3-micron filter / separator; "ACT" aluminum cooling technology for efficient heat transfer, reduced energy consumption and low pressure drop.

COMPRESSED AIR SYSTEM AND AIR DRYER RECOMMENDED PIPING DIAGRAM

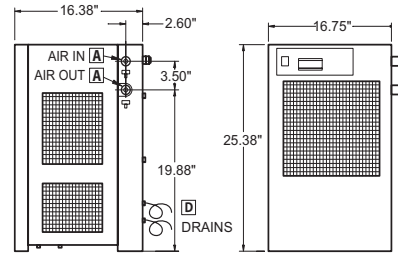


CAS-5 & CAS-7.5



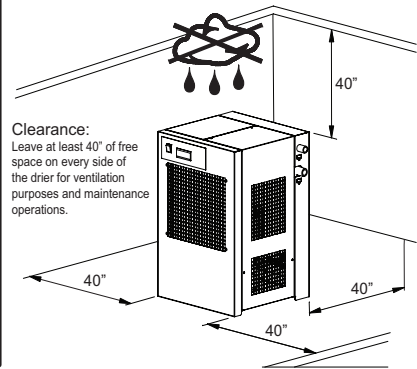
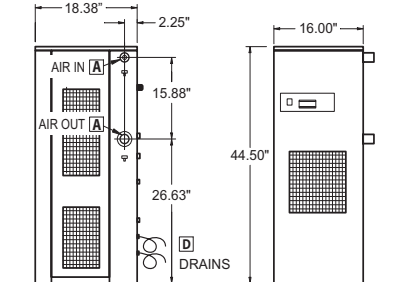
CAS-10, CAS-15 & CAS-20

CAS-AHT-20, 30, 40 & 50



Drain: Each dryer comes fitted with flexible plastics tubing (1/4"dia. x 60"L).

CAS-AHT-75



| AIR COMPRESSOR MODELS | A   | B   | C   | D       | E       | CAPACITY AT 100 PSIG | AIR OUTLET<br>[A] | DRAIN<br>D | ELECTRICAL<br>208/3/60<br>⚡ |
|-----------------------|-----|-----|-----|---------|---------|----------------------|-------------------|------------|-----------------------------|
| CAS-5                 | 37" | 74" | 26" | 40 1/2" | -       | 19 CFM               | 2" NPT            | 1" NPT     | 15 AMPS                     |
| CAS-7.5               | 37" | 79" | 26" | 40 1/2" | -       | 26 CFM               | 2" NPT            | 1" NPT     | 22 AMPS                     |
| CAS-10                | 69" | 55" | 30" | 16"     | 13 1/2" | 40 CFM               | 2" NPT            | 1" NPT     | 28.5 AMPS                   |
| CAS-15                | 69" | 55" | 30" | 16"     | 13 1/2" | 47.3 CFM             | 2" NPT            | 1" NPT     | 48.3 AMPS                   |
| CAS-20                | 69" | 55" | 30" | 16"     | 13 1/2" | 58.4 CFM             | 2" NPT            | 1" NPT     | 62.1 AMPS                   |

REFRIGERATED AIR DRYER

| MODELS                   | AIR<br>[A] | AIR FLOW | REPLACEMENT FILTER ELEMENT | REFRIGERANT | DRAIN FLEXIBLE TUBING<br>[D] | ELECTRICAL<br>115/1/60*<br>AMPS<br>⚡ | SHIPPING WEIGHT<br>APPROXIMATE |
|--------------------------|------------|----------|----------------------------|-------------|------------------------------|--------------------------------------|--------------------------------|
| CAS-AHT-20 (for CAS-5)   | 1/2" NPT-F | 20 SCFM  | TP30                       | R-134a      | 1/4"                         | 2.7                                  | 86 lbs                         |
| CAS-AHT-30 (for CAS-7.5) | 1/2" NPT-F | 30 SCFM  | TP30                       | R-134a      | 1/4"                         | 3.0                                  | 94 lbs                         |
| CAS-AHT-40 (for CAS-10)  | 1/2" NPT-F | 30 SCFM  | TP30                       | R-134a      | 1/4"                         | 3.9                                  | 96 lbs                         |
| CAS-AHT-50 (for CAS-15)  | 1/2" NPT-F | 50 SCFM  | TP45                       | R-134a      | 1/4"                         | 5.1                                  | 97 lbs                         |
| CAS-AHT-75 (for CAS-20)  | 1" NPT-F   | 75 SCFM  | TP125                      | R-134a      | 1/4"                         | 8.9                                  | 111 lbs                        |

\*Comes standard with Cord & Plug

Cleveland Range reserves right of design improvement or modification, as warranted.

(NOT TO SCALE)