

## LARGE TONNAGE AIR-COOLED SCREW COMPRESSOR CHILLERS

### Nomenclature

**30 A 1 S M 200**

- NOMINAL HORSEPOWER
- NUMBER OF COMPRESSORS  
S – SINGLE      D – DUAL  
M – MULTIPLE
- COMPRESSOR TYPE  
S – COPELAND SCREW
- UNIT DESIGN VINTAGE
- A – AIR COOLED  
W – WATER COOLED
- SERIES DESIGNATION -  
PACKAGED CHILLERS

## STANDARD FEATURES

### UNIT CONFIGURATION

- Low Profile
- Base Rail Configuration
- Multiple Rigging Points
- NEMA 3R Control Panel
- Hinged Control Panel Access
- 1/2" Closed Cell Polyvinyl Evaporator Insulation
- Evaporator Heater Cable with Ambient Stat
- Insulated Suction Lines
- ETL Certified Unit

### REFRIGERANT CIRCUIT

- Liquid Line Shut Off Valve with Charging Port
- Replaceable Core Liquid Line Drier
- Liquid Line Sight Glass / Moisture Indicator
- Electronic Expansion Valve with Stand Alone Controller
- Independent Refrigerant Circuits (SD & SM Units)
- High Pressure Safety Control
- Low Pressure Operating Control
- Freeze / Low Charge Control with Time Delay Circuit
- Refrigerant Operating Charge (R-22, Alternate Refrigerants Available)

### CONDENSER

- Direct Drive Condenser Fans - TEAO
- Epoxy Powder Coated Fan Guards
- Three Phase Motors with Permanently Lubricated Ball Bearings
- Fan Staging Head Pressure Control to + 20°F
- Sub-Circuit Fan Motor Fusing
- Fan Motor Contactor
- Plate Fin / Full Tube Collar Condenser Coils
- Baffled Condenser Plenum
- Subcooling - Circuit
- Personnel Grilles

### ELECTRICAL COMPONENTS

- Return Water Temperature Control for Compressor Staging, Supply Water control for slide valve
- Prewired Controls
- Flow Switch for Field Intallation
- Auto / Demand Pumpdown Switch
- UL 508 Certified Control Panel
- Fused Control circuit
- Johnson DX-9100 PLC Controller
- Phase Monitor per Compressor
- Equal Run Time Compressor Lead/Lag Control

### COMPRESSORS

- Energy Efficient Copeland Compressors
- Slide Valve Capacity Control
- Internal Compressor Overload Protection
- Compressor Contactors
- Compressor Fusing
- Compressor Isolator Pads
- Compressor Service Valves
- Auxillary Liquid Injection Cooling