

TECHNICAL SPECIFICATIONS

| Model No. | | JWC-018 | JWC-024 | JWC-036 | JWC-060 | JWC-060-RC-SS |
|--|----------------|--|-------------|--------------|---------------------------------|-------------------------------|
| Cooling Capacity | BTU/Hr (kW) | 18000 (5.25) | 24000 (7.0) | 36000 (10.5) | 60000 (17.5) | 60000 (17.5) |
| | TR | 1.5 | 2 | 3 | 5 | 5 |
| Compressor | Qty | 1 | 1 | 1 | 1 | 1 |
| | Type | Rotary/Reciprocating (OPTIONAL) | | | Scroll/Reciprocating (OPTIONAL) | |
| | V/Ph/Hz | 220-230/1/50 | | | 380-420/3/50 | |
| Axial Fan (Condenser) | Qty | 1 | 1 | 1 | 2 in Top throw | 1 |
| | V/Ph/Hz | 220-230/1/50 | | | 380-420/3/50 | |
| Evaporator (H ₂ O Cooled) | Heat Exchanger | Shell & Tube / Plate Heat Exchanger (OPTIONAL) | | | | |
| Water Flow Rate | GPM | 3.75 @ΔT 4°C | 5.0 @ΔT 4°C | 7.5 @ΔT 4°C | 12.5 @ΔT 4°C | 12.5 @ΔT 5°C |
| Min / Max Air Temp. | °C | 10°C to 52°C | | | | |
| Water Temp. (Tank Outlet) Variable | °C | 50°C to 15°C | | | 50°C to 8°C | |
| Condenser (Air Cooled) | Coil | Copper Tubes with Aluminum Fins | | | | |
| Max. Refrigerant Working Pressure Low/High | PSIG | 75/300 | | | | |
| Test Pressure Low/High | PSIG | 150/450 | | | | |
| Refrigerant (Optional) | Gas | R-22 / R-134a / R-410a (OPTIONAL) | | | | |
| Unit Voltage | V/Ph/Hz | 220-230/1/50 | | | 380-420/3/50 | |
| Unit Power | kW | 2.25 | 3.0 | 4.5 | 7.5 | 7.5 |
| Water Pump | Hp | 1/2 | 1/2 | 1/2 | 1 | 1 |
| Water Connection In/Out | Inches | 3/4 | 3/4 | 3/4 | 1 | 1 |
| Dimension | L x W x H CM | 60x60x61.5 | 60x60x61.5 | 75x60x61.5 | 100x56x61.5 | top throw 101.6x76.2x151.1 |
| Unit Net Weight | kg | 73 | 79 | 107 | 123/133 | 200 |
| Water Tank Capacity Min/Max. Variable | Gallons | 100 - 500 | 500 - 800 | 800 - 1,200 | 1,200 - 2,000 | 1,200 - 2,000 |

HIGHLIGHTS

- * Pumps are supplied along with the chillers from 1.5 ton to 5 ton.
- * For chillers 7.5 tons and above, pumps are not supplied along with the chillers.
- * As per client's requirement, Refrigerant gas can be changed. Accordingly, the technical specifications will also change.
- * The Shell is made of Stainless Steel & Tube is Copper for all Models
- * Specification mentioned are subject to changes for product improvement.
- * Optional SS Shell and SS tubes can be made as per customer design requirement at additional cost.
- * Tank capacity will change as per the water consumption & temperature variation.

STAINLESS STEEL STORAGE TYPE WATER COOLERS

| | JWCF 28G2T | JWCF 37G2T | | JWCF 46G3T | JWCF 67G3T |
|------------------|---------------------|---------------------|------------------|---------------------|---------------------|
| No. of Taps | 2 | 2 | No. of Taps | 3 | 3 |
| Power Supply | 220-240V, 1P, 50HZ | 220-240V, 1P, 50HZ | Power Supply | 220-240V, 1P, 50HZ | 220-240V, 1P, 50HZ |
| Cooling Capacity | 25 US Gallon | 35 US Gallon | Cooling Capacity | 45 US Gallon | 65 US Gallon |
| Refrigerant | R - 134a | R - 134a | Refrigerant | R - 134a | R - 134a |
| Weight | 25 Kg | 30 Kg | Weight | 35 Kg | 45 Kg |
| Dimension in mm | 560W x 1235H x 585D | 570W x 1235H x 585D | Dimension in mm | 600W x 1240H x 600D | 660W x 1240H x 650D |

| | JWCF 87G4T | JWCF 100G4T | | JWCF 130G5T | JWCF 150G5T | JWCF 250G5T |
|------------------|---------------------|---------------------|------------------|----------------------|----------------------|----------------------|
| No. of Taps | 4 | 4 | No. of Taps | 5 | 5 | 5 |
| Power Supply | 220-240V, 1P, 50HZ | 220-240V, 1P, 50HZ | Power Supply | 220-240V, 1P, 50HZ | 220-240V, 1P, 50HZ | 220-240V, 1P, 50HZ |
| Cooling Capacity | 85 US Gallon | 100 US Gallon | Cooling Capacity | 125 US Gallon | 150 US Gallon | 250 US Gallon |
| Refrigerant | R - 134a | R - 134a | Refrigerant | R - 134a | R - 134a | R - 134a |
| Weight | 55 Kg | 65 Kg | Weight | 85 Kg | 98 Kg | 115 Kg |
| Dimension in mm | 860W x 1250H x 650D | 950W x 1250H x 725D | Dimension in mm | 1080W x 1250H x 725D | 1050W x 1300H x 750D | 1150W x 1500H x 900D |



GrinTM

Al Jazeera Water Cooler Factory L.L.C.



HEAT PUMP



Griin Cooling Chillers Provides advanced cooling solutions to meet a wide variety of need. We offer numerous models of chillers for domestic and commercial usage. We manufacture all type of water chillers, oil chillers, air chillers, water coolers and district cooling system. Drawing on its extensive experience in heat transfers and advanced in cooling and refrigerating technology, Griin cooling chillers is able to offer optimum solutions.

- Griin chillers are designed for simplicity and ease of use:
- "Cycling" refrigeration circuit.
 - Integrated centrifugal circulation pump.
 - Microprocessor controls (Optional)
 - Single point power connection.
 - High efficiency, stainless steel, brazed tube heat exchangers (optional)
 - Heavier frame construction, greater resistance to shipping, Handling & operation abuse.
 - Standard weatherproof enclosures on all models 5 tons & above.
 - Removable access panels for easy service and maintenance.
 - Standard high-pressure and low-pressure refrigeration gauges on 5 tons and above models.
 - Suitable for high & low ambient temperature.
 - Low noise level.



Our Advantages

- State-of-the-art Infrastructure
- High Quality and professional manufacturer
- Advanced equipments for manufacturing and testing
- Wide distribution network
- Stringent quality checks
- Ethical business practices
- On schedule delivery of consignments
- Industry leading prices
- Short Delivery time
- Good after-sale service

Our Safety Systems

- Compressor reverse protective
- Freeze protector protective
- Refrigerant safety valve
- High-Pressure and Low-Pressure Switch
- Power Phase Failure Protector
- Temperature auto-switch
- Refrigerant shortage protective

Product Description.

We use only Branded Spares in our chillers which are Tested Provide by our R&D Dept. Providing high energy efficiency, low noise, high reliability, small footprint, easy installation, simple operation and high flexibility. Griin Chillers are widely used in Domestic & Commercial Purpose like Constructions, Medical, Chemical Industry, Metallurgy, Leather, Laser, Electronics, Plastic injection molding, Printing and other industries. We Manufacture Chillers from 1.5 Ton Up to any Tonnage.

Note:

- Cooling capacity parameter are all based on the conditions of condensation temperature 40°C, Evaporation temperature 2°C
- We can make order according to your requirement.
- Please indicate the hot recycled if needed, as the recycle rate can be up to 25%-30% of the unit refrigerating capacity, the temperature can be up to 55°C



TECHNICAL SPECIFICATIONS

| Model No. | | JWC-100RC-SS | JWC-120RC-DS | JWC-200RC-DS | JWC-240RC-DS | JWC-300RC-DS |
|--|------------------|--|---------------|---------------|-------------------------|---------------|
| Cooling Capacity | BTU/Hr (kW) | 90000(26.25) | 120000 (35.0) | 180000 (52.0) | 240000 (70.0) | 300000 (87.5) |
| | TR | 7.5 | 10 | 15 | 20 | 25 |
| Compressor | Qty. | 1 | 2 | 2 | 2 | 2 |
| | Type | Reciprocating/Scroll (OPTIONAL) | | | | |
| | V/Ph/Hz | 380-420/3/50 | | | | |
| Axial Fan (Condenser) | Qty | 2 | 2 | 2 | 3 | 3 |
| | Size (Dia) mm | 550 | | 630 | | |
| | RPM | 900 | | | | |
| | Air Volume m³/hr | 6500 | | 9500 | | |
| Evaporator (H ₂ O Cooled) | V/Ph/Hz | 380-420/3/50 | | | | |
| | Heat Exchanger | Shell & Tube / Plate Heat Exchanger (OPTIONAL) | | | | |
| Water Flow Rate | GPM | 18.75 @ΔT 5°C | 25.0 @ΔT 5°C | 37.5 @ΔT 5°C | 50.0 @ΔT 5°C | 62.5 @ΔT 5°C |
| Min / Max Air Temp. | °C | 10°C to 52°C | | | | |
| Water Temp. (Tank Inlet / Outlet) Variable | °C | 50°C to 8°C | | | | |
| Condenser (Air Cooled) | Coil | Copper Tubes with Aluminum Fins | | | | |
| Max. Refrigerant Working Pressure Low/High | PSIG | 75/300 | | | | |
| Test Pressure Low/High | PSIG | 150/450 | | | | |
| Refrigerant (Optional) | Gas | R-22 / R-134a / R-410a | | | | |
| Unit Voltage | V/Ph/Hz | 380-420/3/50 | | | | |
| Unit Power | kW | 11.25 | 15.0 | 22.50 | 30.0 | 37.5 |
| Water Pump | Hp | 1 | 1.0 | 1.5 | 2.0 | 2.5 |
| Water Connection In/Out | Inches | 1½ | 1½ | 1½ | 2.5 | 2.5 |
| Dimension | L x W x H CM | 162.5 x 106.6 x 151.1 | | | 238.7.6 x 117.4 x 169.2 | |
| Unit Net Weight | kg | 350 | 415 | 475 | 800 | 950 |
| Water Tank Capacity Min/Max. Variable | Gallons | 2,000 - 2,500 | 2,500 - 3,000 | 3,000 - 3,500 | 3,500 - 4,000 | 4,000 - 4,500 |

TECHNICAL SPECIFICATIONS

| Model No. | | JWC-400ST-DS | JWC-600SH-DS | JWC-800SH-DS | JWC-1000SH-FS | JWC-1600SH-FS |
|--|------------------|--|-----------------------|----------------|-----------------------|-----------------|
| Cooling Capacity | BTU/Hr (kW) | 360000 (105.0) | 600000 (175.0) | 720000 (210.0) | 1200000 (350.0) | 1440000 (420.0) |
| | TR | 30 | 50 | 60 | 100 | 120 |
| Compressor | Qty | 2 | 2 | 2 | 4 | 4 |
| | Type | Scroll | | | | |
| | V/Ph/Hz | 380-420/3/50 | | | | |
| Axial Fan (Condenser) | Qty | 3 | 6 | 6 | 8 | 8 |
| | Size (Dia) mm | 630 | | 710 | | |
| | RPM | 900 | | | | |
| | Air Volume m³/hr | 9500 | | 14800 | | |
| Evaporator (H ₂ O Cooled) | V/Ph/Hz | 380-420/3/50 | | | | |
| | Heat Exchanger | Shell & Tube / Plate Heat Exchanger (OPTIONAL) | | | | |
| Water Flow Rate | GPM | 75.0 @ΔT 5°C | 125.0 @ΔT 5°C | 150.5 @ΔT 5°C | 250.0 @ΔT 5°C | 300.0 @ΔT 5°C |
| Min / Max Air Temp. | °C | 10°C to 52°C | | | | |
| Water Temp. (Tank Inlet / Outlet) Variable | °C | 50°C to 8°C | | | | |
| Condenser (Air Cooled) | Coil | Copper Tubes with Aluminum Fins | | | | |
| Max. Refrigerant Working Pressure Low/High | PSIG | 75/300 | | | | |
| Test Pressure Low/High | PSIG | 150/450 | | | | |
| Refrigerant (Optional) | Gas | R-22 / R-134a / R-410a | | | | |
| Unit Voltage | V/Ph/Hz | 380-420/3/50 | | | | |
| Unit Power | kW | 45 | 75 | 90.0 | 150 | 180 |
| Water Pump | Hp | 3.0 | 5.0 | 6.0 | 10.0 | 12.0 |
| Water Connection In/Out | Inches | 3.0 | 4.0 | 4.0 | 6.0 | 6.0 |
| Dimension | L x W x H CM | 238.7 x 117.4 x 162.4 | 330.2 x 117.8 x 186.8 | | 475.0 x 232.8 x 212.3 | |
| Unit Net Weight | kg | 950 | 1,900 | 2,000 | 3,600 | 4,100 |
| Water Tank Capacity Min/Max. Variable | Gallons | 4,500 - 5,500 | 5,500 - 6,500 | 6,500 - 7,500 | 7,500 - 10,000 | 10,000 - 12,000 |