# Mbsm.pro, Compressor , s36G, 1/10 hp, 1ph 220v/50hz, R134a, 32g, water-cooler, BLY-F/950

Category: compressor
written by www.mbsm.pro | 2 February 2025




| Information | Value |
|---|---|
| **Model** | BLY-F (905) |
| **Rated Voltage** | 220-240V~ |
| **Rated Frequency** | 50/60Hz |
| **Heating Power** | 450W |
| **Total Power** | 550W |
| **Maximum Rated Wattage of Lamps** | 0.5W |
| **Cooling Capacity** | 1.5L/h |
| **Cooling Consumption** | 0.100Kwh/H |
| **Rated Cooling Current** | 0.8A |
| **Refrigerant** | R134a/32g |
| **Climate Class** | T |
| **Protection Class** | I |
| **Foam** | EPS |
| **Waterproof Degree** | IPX0 |
| **Made in** | China |

# Water Dispenser / Mini Fridge Compressor (1/10HP)

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|---|---|
| Refrigeration Compressor Type | Reciprocating Compressor |
| Refrigerant | R134A |
| Usage | Water Dispenser / Small Fridge / Minibar / etc |

| | |
|---|---|
| Warranty | N/A |
| Voltage | 220-240V / 50Hz |
| Displacement | 3.6 cm3 |
| Model No. | S36G / QD36 |
| Cooling Power (W) | 80W |
| Cooling Power (HP) | 1/10 HP |

Small refrigeration compressor mainly used in:
– Water Dispenser (cooling cabinet models)
– Small Refrigerator / Mini Bar / Ice Machines
– Other small refrigerating equipment
Cooling Power: 85W (1/10 HP)
Electricity required: 220-240V / 50Hz

# 1. Compressor (Model S36G)

- **Purpose**: The core component for pressurizing refrigerant in a cooling cycle.
- **Model S36G**: Likely a specific compressor model (possibly from a brand like Secop, Danfoss, or a regional manufacturer). Verify with manufacturer documentation for exact specs.
- **Application**: Small-scale systems (e.g., commercial water coolers, medical devices, or compact refrigeration) due to the small refrigerant charge.

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# 2. Refrigerant (R134a, 32g)

- **R134a**: A common hydrofluorocarbon (HFC) refrigerant used in medium-temperature systems (e.g., refrigerators, AC units, water coolers).
- **32g Charge**: Indicates a small system, typical for portable or compact units. Ensure the charge matches manufacturer specifications to avoid inefficiency or damage.

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# 3. Water-Cooler System

- **Water-Cooled Condenser**: Uses water (instead of air) to dissipate heat, improving efficiency. Requires a water supply, pump, and possibly a cooling tower.
- **Applications**: Often found in commercial settings (e.g., water dispensers, industrial chillers, or high-efficiency HVAC systems).

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# 4. BLY-F/950

- Likely a **component model**, such as:
  - **Filter drier**: Removes moisture/contaminants from refrigerant.
  - **Pressure switch**: Safety device to control system pressure.
  - **Control board/Valve**: Part of the system’s electrical or flow regulation.
  - Check manufacturer manuals or suppliers for exact function.

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# Key Considerations

1. **Compatibility**: Ensure the compressor (S36G) is designed for R134a and water-cooled operation.
2. **Refrigerant Charge**: Confirm 32g is correct (undercharging/overcharging affects performance).
3. **Water Cooling**: Check for scale buildup, water flow rate, and pump functionality.
4. **BLY-F/950 Replacement**: Cross-reference with OEM parts or contact the system manufacturer.

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# Troubleshooting Tips

- **Low Cooling Efficiency**: Check refrigerant charge, water flow, or condenser cleanliness.
- **Component Failure**: Test the BLY-F/950 part (e.g., continuity for switches, clogging in filter driers).
- **Noise/Leaks**: Inspect the compressor and refrierant lines.

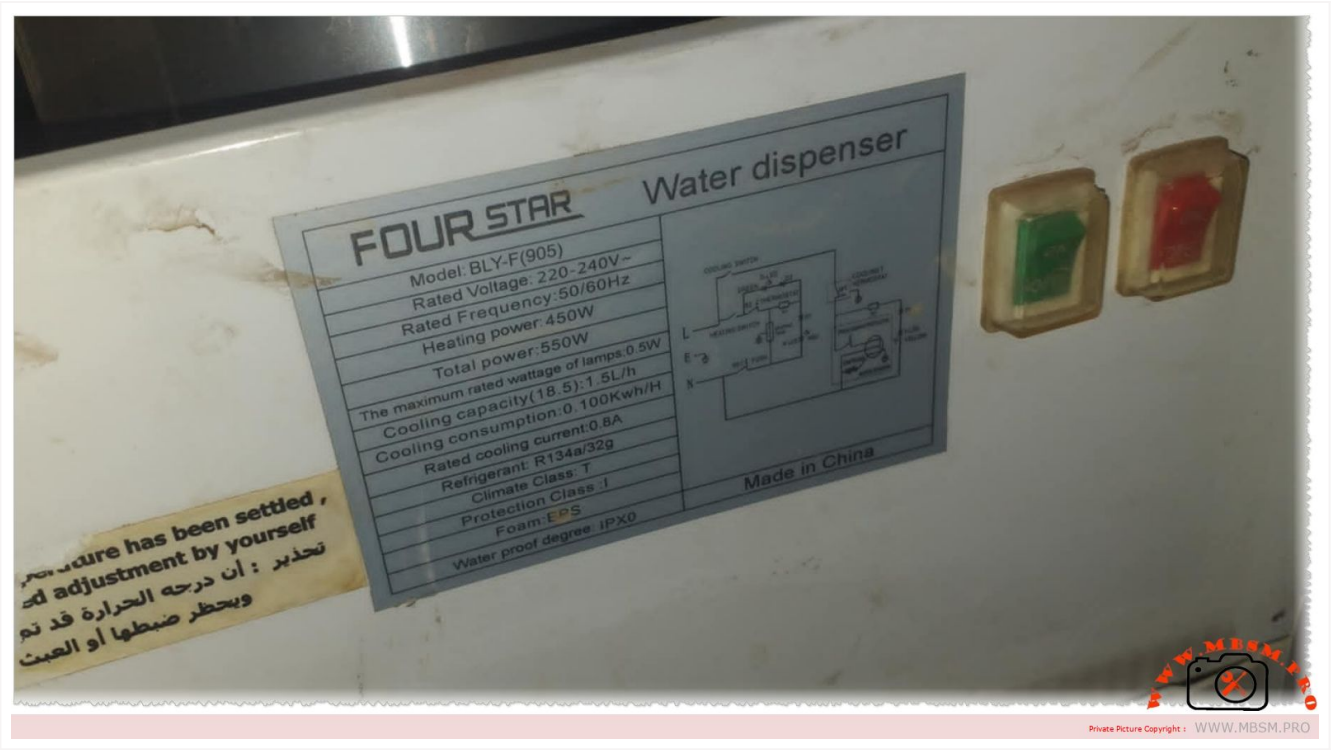
**Products Introduction:**

| Voltage / frequency(V/Hz) | Horsepower (hp) | Model | Displacement (cc/rev) | Motor type | Cooling capacity+/-5% ASHRAE(-23.3℃) (kcal/h) | (W) | (Btu/h) | Input Power +/-5% w | COP+/-7% ASHRAE(-23.3℃) (kcal/h) | (W) | (Btu/h) | Cooling |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 220-240V～ 50/60Hz | 1/14hp | ASV20H | 2.0cc | RSIR | 41 | 48 | 164.00 | 56.00 | 0.73 | 0.85 | 2.9 | ST |
| | 1/13hp | ASV25H | 2.5cc | RSIR | 50 | 58 | 198.00 | 68.00 | 0.73 | 0.85 | 2.9 | ST |
| | 1/12hp | ASV30H | 3.0cc | RSIR | 60 | 70 | 239.00 | 82.00 | 0.73 | 0.85 | 2.9 | ST |
| | 1/12hp | S30G | 3.0cc | RSIR | 56 | 65 | 222.00 | 72.00 | 0.77 | 0.9 | 3.07 | ST |
| | 1/10hp | S36G | 3.6cc | RSIR | 69 | 80 | 273.00 | 89.00 | 0.77 | 0.9 | 3.07 | ST |
| | 1/8hp | ASW43H | 4.3cc | RSIR | 106 | 123 | 420.00 | 98.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/6hp | ASW53H | 5.3cc | RSIR | 120 | 140 | 478.00 | 112.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/5hp | ASW65H | 6.5cc | RSIR | 143 | 165 | 566.00 | 132.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/4hp | ASW75H | 7.5cc | RSIR | 168 | 190 | 665.00 | 152.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/4+hp | ASQ91H | 9.1cc | RSIR | 189 | 220 | 751.00 | 176.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/3hp | ASQ110H | 11.0cc | RSIR | 241 | 280 | 955.00 | 215.00 | 1.11 | 1.3 | 4.43 | ST |
| | 1/3+hp | ASQ128H | 12.8cc | RSIR | 280 | 326 | 1112.00 | 251.00 | 1.11 | 1.3 | 4.43 | ST |
| 115-127V/60Hz | 1/14hp | ASV20HD | 2.0cc | RSIR | 47 | 55 | 188.00 | 65.00 | 0.73 | 0.85 | 2.9 | ST |
| | 1/10hp | ASV25HD | 2.5cc | RSIR | 56 | 65 | 222.00 | 78.00 | 0.77 | 0.9 | 3.07 | ST |
| | 1/12hp | ASV30HD | 3.0cc | RSIR | 69 | 80 | 273.00 | 100.00 | 0.77 | 0.9 | 3.07 | ST |
| | 1/8hp | ASW43HD | 4.3cc | RSIR | 116 | 135 | 460.00 | 108.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/6hp | ASW53HD | 5.3cc | RSIR | 138 | 160 | 546.00 | 128.00 | 1.08 | 1.25 | 4.27 | ST |
| | 1/5hp | ASW65HD | 6.5cc | RSIR | 167 | 194 | 662.00 | 147.00 | 1.14 | 1.32 | 4.5 | ST |
| | 1/4hp | ASW75HD | 7.5cc | RSIR | 196 | 228 | 777.00 | 173.00 | 1.14 | 1.32 | 4.5 | ST |

| | | | |
|---|---|---|---|
| FC:Fancooling | RSIR:ResistanceStartInductionRun | EvaporatingTemp.:-23.3℃(-10℉) | 1watt=3.41Btu/Hr |
| OC:Oilcooling | RSCR:ResistanceStartCapacitorRun | CondensingTemp.:54.4℃(130℉) | 1watt=0.86Kcal/Hr |
| ST:Static | CSIR:CapacitorStartInductionRun | GasSuperheatedto:32.2℃(90℉) | 1Kcal/Hr=3.97Btu/Hr |
| | CSR:CapacitorStartCapacitorRun | Liquidsub-cooledto:32.2℃(90℉) | |
| | | AmbientTemp.:32.2℃(90℉) | |

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# Mbsm.pro, Compressor, Water Cooler, Qb Serie, QB51C99GLX5, R-134, Panasonic, 128 W, lbp, 1/6 hp, 220 v

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written by www.mbsm.pro | 2 February 2025




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