

# Mbsm.pro, NBY5170Y, Compressor, Cooling, 1/4 HP, 1ph 220-240V/50Hz, R600a, 15kg, High Back Pressure, HBP, Commercial Refrigeration, Embraco

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



With a cooling capacity of 842 W and robust construction, the NBY5170Y is ideal for commercial refrigeration, air conditioning, and heat pump systems

---

# Mbsm.pro, Compressor, GM35AF, GM55AF, GM70AF, GM66AF, GM75AF, GM77AF, GM80AF, GM91AF, GM80AF

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Explore the detailed specifications and performance metrics of LBP compressors using R134A refrigerant. This guide provides insights into various models, their cooling capacities, efficiency ratings, and motor types, ensuring you find the perfect fit for your refrigeration needs

---

# Mbsm.pro, Compressor , Tecumseh, KULTHORN

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, Compressor , Tecumseh

---

# Mbsm.pro, compressor, NEK1118Z , GL90AA, r134a, 190w, Lbp

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025





Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, compressor, NEK1118Z , GL75AA , GL90AA, r134a, 190w, Lbp

Mbsm.pro, Compressor, copeland,  
CRC1-0175-PFU-501, 2 ton, 2.25 hp,  
r22, compatible, ESAH-18CH, 18000  
btu, 1920 w

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



Private Picture Copyright : WWW.MBSM.PRO

Mbsm.pro, Compressor, copeland, CRC1-0175-PFU-501, 2 ton, 2.25 hp, r22, compatible, ESAH-18CH, 18000 btu, 1920 w

Mbsm.pro, Compressor , 1/5 hp, zel, HVM12AA, 0F1033A, 0F1350A, gvy75AA, gvy66AA, GUY75AG, HKd16aa, GUY75ad, gvt66ad, gkd75ad

Category: compressor

written by www.mbsm.pro | 17 March 2025



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, Compressor , 1/5 hp, zel, HVM12AA, 0F1033A, 0F1350A, gvy75AA, gvy66AA, GVY75AG, HKd16aa, GVY75ad, gvt66ad, gkd75ad

---

Mbsm.pro, compressor, 1/6 hp, 134 w, HL99AH, HLY75AA, HLY99AA, HTY80AA2, HVY47AA, HYK95AA

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, compressor, 1/6 hp, 134 w, HL99AH, HLY75AA, HLY99AA, HTY80AA2, HVY47AA, HYK95AA

---

## Mbsm.pro, Compressor, NJ9232GK, embraco, 1.1/4 hp, r404, Mhbp

Category: Développement

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025





Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, Compressor, NJ9232GK, embraco, 1.1/4 hp, r404, Mhbp

---

Mbsm.pro, Compressor, C-BZ120, 1/6  
hp, 120w, Mhbp, r12, C-BZ, C-BZN,  
KULTHORN compressor

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025





Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

Mbsm.pro, Compressor, C-BZ120, 1/6 hp, 120w, Mhbp, r12, C-BZ, C-BZN, KULTHORN KULTHORN

---

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

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 17 March 2025



Private Picture Copyright : [WWW.MBSM.PRO](http://WWW.MBSM.PRO)

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)

Refrigeration Compressor Type	Reciprocating Compressor
Refrigerant	R134A
Usage	Water Dispenser / Small Fridge / Minibar / etc
Warranty	N/A
Voltage	220-240V / 50Hz
Displacement	3.6 cm <sup>3</sup>
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.
- 

## 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.
- 

## 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).
- 

## 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.
- 

## 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.

## Troubleshooting Tips

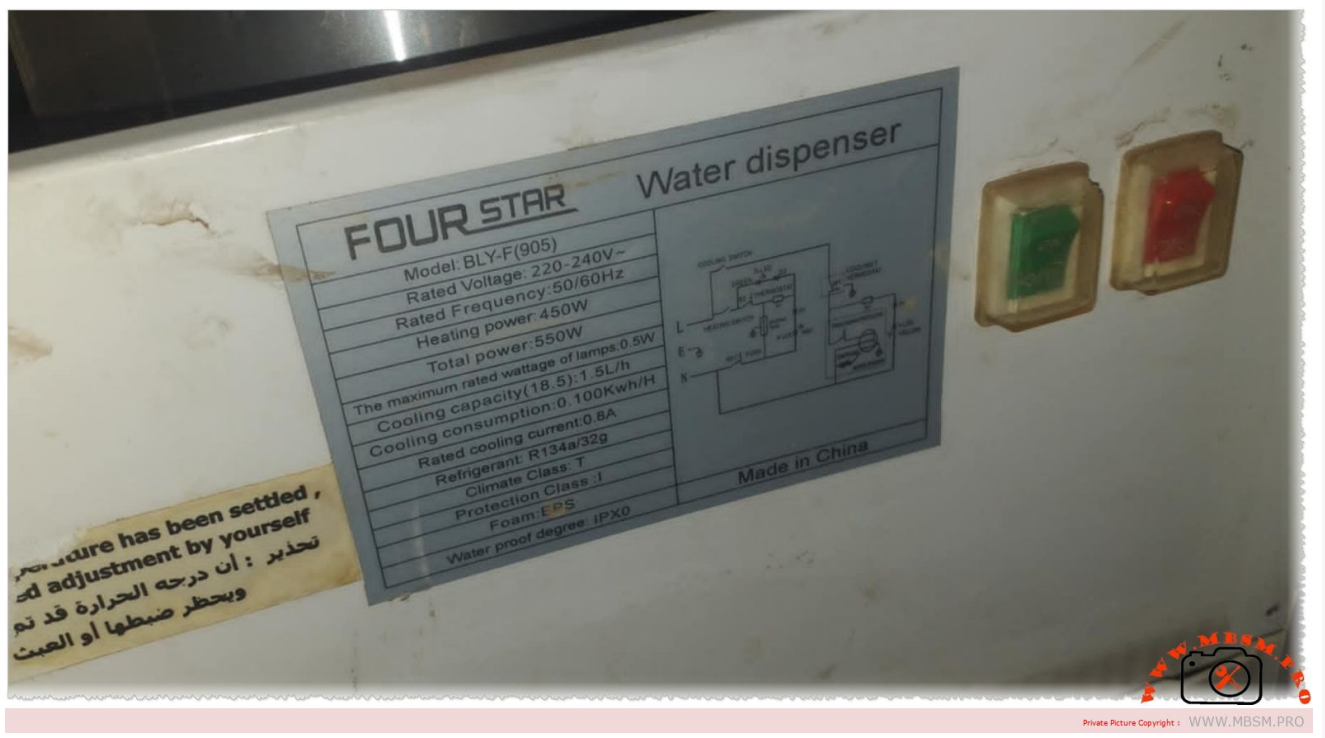
- **Low Cooling Efficiency:** Check refrigerant charge, water flow, or condenser cleanliness.
- **Component Failure:** Test the BLY-F/950 part (e.g., continuity for switches, clogging in filter driers).
- **Noise/Leaks:** Inspect the compressor and refrigerant lines.

### Products Introduction:

Voltage / frequency(V/Hz)	Horsepower (hp)	Model	Displacement	Motor type	Cooling capacity+/-5% ASHRAE(-23.3℃)			Input Power +/-5% w	COP+/-7% ASHRAE(-23.3℃)			Cooling
					(cc/rev)	(kcal/h)	(W)		(Btu/h)	(kcal/h)	(W)	
			220-240V~ 50/60Hz		1/14hp	ASV20H	2.0cc	RSIR	41	48	164.00	
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℉)					
As a result of a basic policy of constant development, technical specifications may be subject to change.												







- File uploaded successfully: [Open file in a new window](#)

**File Information:**

File Name: Mbsm-tn-media-\_Compressor-s36G-R134a-32g-water-cooler-BLY-F-950.jpg

File Type: image/jpeg

File Size: 436.6 KB

File Extension: jpg

- File uploaded successfully: [Open file in a new window](#)

**File Information:**

File Name: Mbsm-tn-media-Compressor-s36G-R134a-32g-water-cooler-BLY-F-950.jpg

File Type: image/jpeg

File Size: 435.14 KB

File Extension: jpg

File uploaded successfully: [Open file in a new window](#)

**File Information:**

File Name: Mbsm-tn-media-Compressor-s36G-R134a-32g-water-cooler-BLY-F-950.jpg

File Type: image/jpeg

File Size: 549.08 KB

File Extension: jpg

File uploaded successfully: [Open file in a new window](#)

**File Information:**

File Name: Mbsm-tn-media-Compressor-s36G-R134a-32g-water-cooler-BLY-F-950.pdf

File Type: application/pdf

File Size: 296.7 KB

File Extension: pdf