

Mbsm.pro, Compressor , Tecumseh, KULTHORN

Category: compressor

written by www.mbsm.pro | 5 March 2025



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Mbsm.pro, Compressor , Tecumseh

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

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Mbsm.pro, ACC , Electrolux,
Compressors, R404a, CML45FB3N,
CML60FB3N, CML80FB3N, CML90FB3N,
CMP12FB3N, CMP14FB3N, CMX18FB3N,
CMR22FB3N, CMS26FB3N, CMS30FB3N,
CML40TB3N, CML45TB3N, CML60TB3N,
CML80TB3N, CML90TB3N, CMP12TB3N,
CMP14TB3N, CMX16TB3N, CMX18TB3N,
CMR22TB3N, CMS26TB3N, CGL40TB3NR,

CGL45TB3NR, CGL60TB3NR, CGL90TB3NR, CGP10RB3N, CGP12TB3NR, CGP14TB3NR, CGX18TB3N, CGX21TB3N, CGS26TB3N, CGS30TB3N, CGS34TB3N

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Model	Compressor					Amb. Temp	R404a Capacity [watts]								Suction liquid	Dimensions [mm]			Weight kg
	Displ. cm3/rev	HP	Motor Type	Input [Watts]	FLA [A]		Evaporating temp. [°C]									L	W	H	
							-25	-20	-15	-10	-5	0	5	10					
CML40TB3N	4.0	1/5	CSIR	348	2.0	32 38 43	205 189 178	253 234 220	309 285 268	372 343 322	440 406 381	516 476 447	597 551 518	687 634 596	3/8" : 1/4"	425	325	235	14.6
CML45TB3N	4.5	1/4	CSIR	385	2.2	32 38 43	221 204 192	277 256 240	338 312 293	405 373 351	477 440 413	555 512 481	640 590 555	724 668 628	3/8" : 1/4"	425	325	235	14.7
CML60TB3N	5.7	1/3	CSIR	477	2.8	32 38 43	274 253 238	345 318 299	421 389 365	506 466 438	596 550 517	693 639 601	797 735 691	907 837 787	3/8" : 1/4"	425	330	245	22.7
CML80TB3N	7.6	3/8	CSIR	570	3.3	32 38 43	420 388 364	493 455 428	584 539 506	692 638 600	818 754 709	961 886 833	1122 1035 972	1300 1199 1127	3/8" : 3/8"	450	355	270	23.5
CML90TB3N	8.9	1/2	CSIR	700	4.0	32 38 43	434 400 376	545 503 472	665 614 577	798 736 692	940 867 815	1094 1009 948	1258 1160 1090	1433 1321 1242	3/8" : 3/8"	425	355	270	23.9
CMP12TB3N	12.0	1/2	CSR	860	4.1	32 38 43	598 552 519	755 696 655	926 854 803	1113 1027 965	1317 1215 1142	1537 1417 1332	1772 1634 1536	2023 1866 1754	3/8" : 3/8"	480	425	350	29.8
CMP14TB3N	14.0	5/8	CSR	1000	4.9	32 38 43	631 582 547	810 747 702	1002 924 869	1208 1114 1047	1429 1318 1239	1662 1533 1441	1911 1762 1657	2172 2004 1883	3/8" : 3/8"	500	425	350	29.9
CMX16TB3N	16.0	1	CSR	1163	5.8	32 38 43	751 708 671	973 916 869	1198 1129 1070	1428 1345 1276	1661 1564 1483	1899 1788 1696	2140 2015 1911	2385 2246 2130	3/8" : 3/8"	495	430	350	30.0
CMX18TB3N	18.4	1 1/8	CSR	1370	7.0	32 38 43	812 765 725	1024 965 915	1242 1169 1109	1466 1381 1310	1697 1598 1516	1933 1820 1726	2176 2049 1944	2425 2283 2165	3/8" : 3/8"	500	430	350	33.0
CMR22TB3N	21.2	1 1/4	CSR	1228	6.3	32 38 43	885 816 767	1126 1038 976	1397 1288 1211	1698 1567 1473	2031 1873 1761	2396 2210 2077	2787 2571 2416	3213 2963 2785	1/2" : 3/8"	525	455	440	41.2
CMS26TB3N	25.9	1 1/2	CSR	1772	9.0	32 38 43	1218 1124 1056	1553 1433 1347	1911 1762 1657	2289 2111 1984	2690 2481 2333	3113 2871 2699	3557 3280 3084	4023 3711 3488	1/2" : 3/8"	515	455	440	43.7



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CML45FB3N, CML60FB3N, CML80FB3N, CML90FB3N, CMP12FB3N, CMP14FB3N, CMX18FB3N, CMR22FB3N, CMS26FB3N, CMS30FB3N, CML40TB3N, CML45TB3N, CML60TB3N, CML80TB3N, CML90TB3N, CMP12TB3N, CMP14TB3N, CMX16TB3N, CMX18TB3N, CMR22TB3N, CMS26TB3N, CGL40TB3NR, CGL45TB3NR, CGL60TB3NR, CGL90TB3NR, CGP10RB3N, CGP12TB3NR, CGP14TB3NR, CGX18TB3N, CGX21TB3N, CGS26TB3N, CGS30TB3N, CGS34TB3N

Mbsm.pro, Compresoor, 1/8 hp, r12, 1ph/220v/50hz, AEZ1336A, B8A39, AE1027, TL4A, L45AU, PW4.5K9, AZ1335A, 8L300, FN43F67S, M4J, B8A10, A1075A, V792, V792E, AS8, E36601, LK39.0, TL4B, L45AW, AZ1340A, FNE75WS5, ESM4, PB9AF88, A1085A,

E44101A, LK45.0, TL4A, AEZ1336A, BP1072A

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Mbsm.pro, Compresoor, 1/8 hp, r12, 1ph/220v/50hz, AEZ1336A, B8A39, AE1027, TL4A, L45AU, PW4.5K9, AZ1335A, 8L300, FN43F67S, M4J, B8A10, A1075A, V792, V792E, AS8, E36601, LK39.0, TL4B, L45AW, AZ1340A, FNE75WS5, ESM4, PB9AF88, A1085A, E44101A, LK45.0, TL4A, AEZ1336A, BP1072A

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

Category: Développement

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

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

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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 ³
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

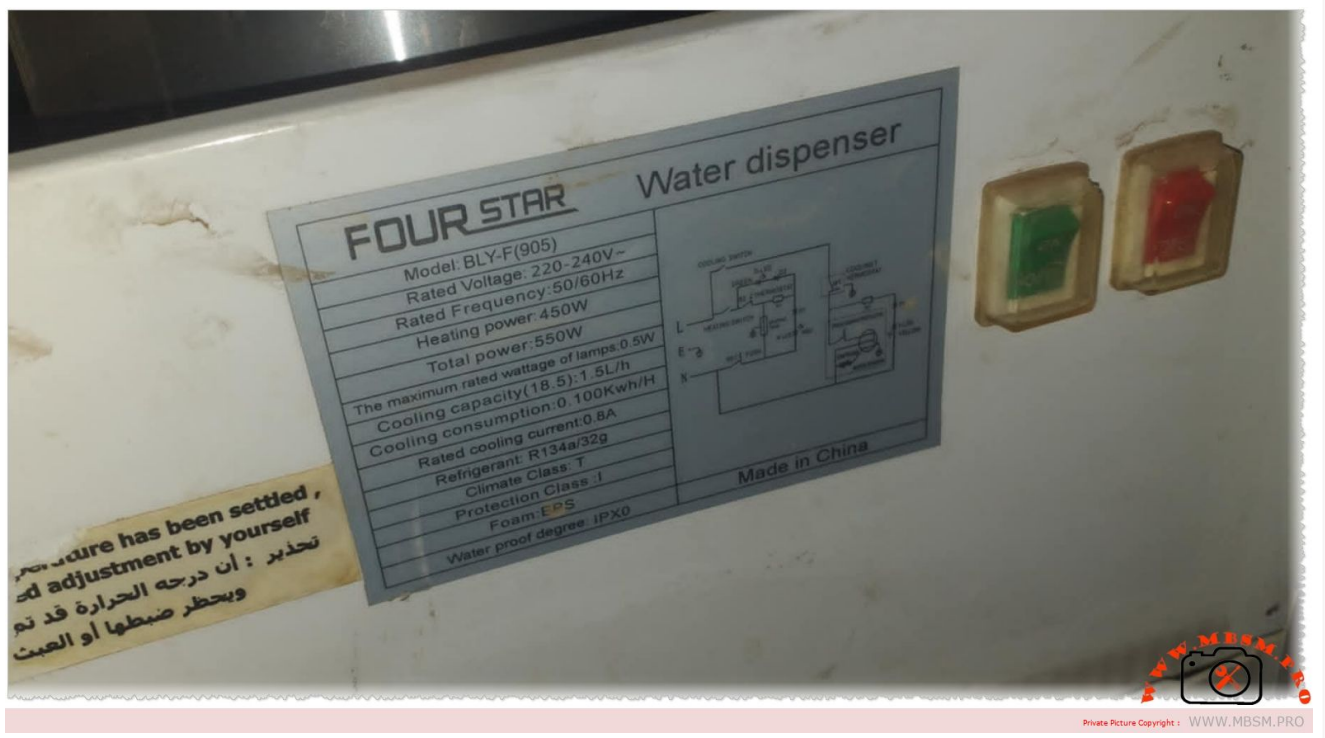
- **Low Cooling Efficiency:** Check refrigerant charge, water flow, or condenser cleanliness.
- **Component Failure:** Test the BLY-F/950 part (e.g., continuity for switches, clogging in filter driers).
- **Noise/Leaks:** Inspect the compressor and refrigerant lines.

Products Introduction:

Voltage / frequency(V/Hz)	Horsepower (hp)	Model	Displacement	Motor type	Cooling capacity+/-5%			Input Power +/-5%	COP+/-7%			Cooling
					ASHRAE(-23.3℃)				ASHRAE(-23.3℃)			
			(cc/rev)		(kcal/h)	(W)	(Btu/h)	w	(kcal/h)	(W)	(Btu/h)	
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						Liquids sub-cooledto:32.2℃(90℉)					
							AmbientTemp.:32.2℃(90℉)					
As a result of As beilapolicy of constant development, technical specifications may be subject to change.												

As a result of a self-applied policy of constant development, technical specifications may be subject to change.





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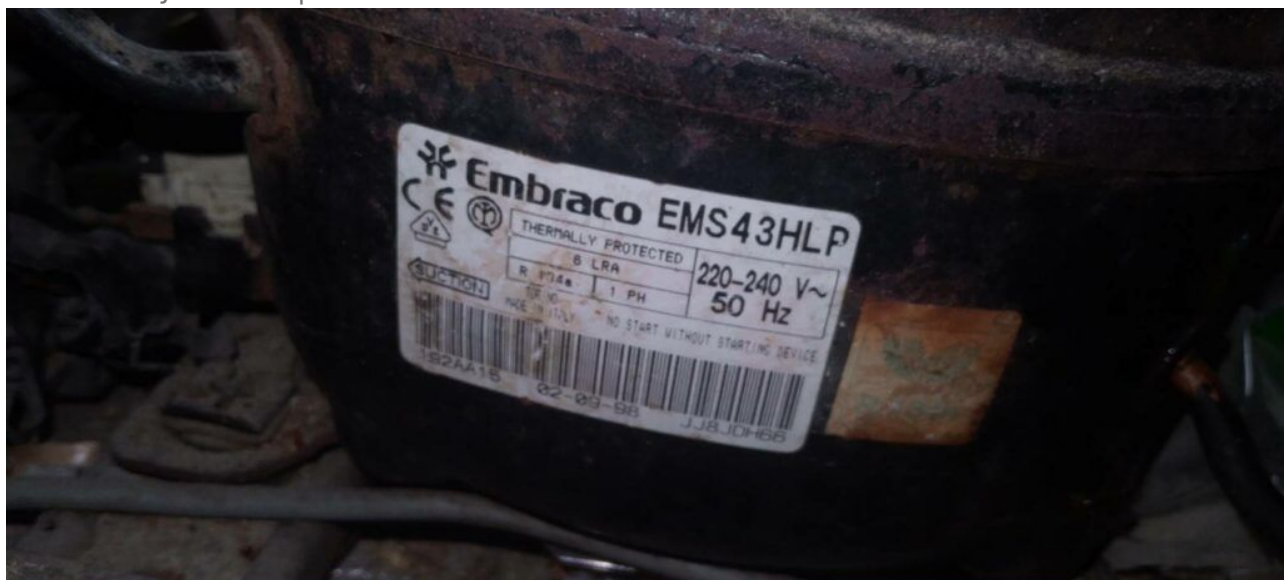
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Mbsm.pro, Compressor, Embraco, Aspera, EMT43HLP, EMY3111Z, LBP-R134a, R507, 220-240V/1/50Hz, 1/8and HP, displacement 4.85 cm3, motor type RSIR

Category: compressor

written by Amina | 5 March 2025



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Mbsm.pro, Compressor, Embraco, Aspera, EMT43HLP, EMY3111Z, LBP-R134a, R507, 220-240V/1/50Hz, 1/8and HP, displacement 4.85 cm3, motor type RSIR

Horsepower Units Demystified: A

Comprehensive Guide to Specs, Efficiency, and Selection

Category: Chaud&Froid
written by www.mbsm.pro | 5 March 2025



Horsepower Units Demystified: A Comprehensive Guide to Specs, Efficiency, and Selection

Mbsm.pro, Table, starting, capacitors, compressor

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TABLA DE CAPACITORES



Capacidad (µf)	Aplicación
60 - 70	Motores de 1/8 HP
70 - 90	Motores de 1/6 HP
80 - 100	Motores de 1/6 HP
100 - 120	Motores de 1/5 HP
120 - 140	Motores de 1 / 4 HP



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Starting capacitors are essential for the smooth operation of compressor motors, providing the necessary torque to start single-phase systems. This guide explores the role of starting capacitors, how to calculate the correct capacitance, and troubleshooting tips to ensure optimal performance. Whether you're maintaining an HVAC system or working with industrial compressors, understanding starting capacitors is key to improving efficiency and extending equipment lifespan. Dive into the details to learn more!

Mbsm.pro, Understanding, Motor, Starting , Systems, for, Compressor

Category: Chaud&Froid

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TABLAS DE CARACTERISTICAS VARIOS SISTEMAS DE ARRANQUE Y PROTECCIÓN



Model	Connect current(A)	Release current(A)	Overload current(A)	Applied Temperature℃	Connect temperature℃
117μ 2010	2	1.6	4	105 ± 10	60 ± 10
117μ 2030	3	2.6	5		
117μ 2040	4	3.6	6.5		
117μ 2050	4.6	4.2	6.5		



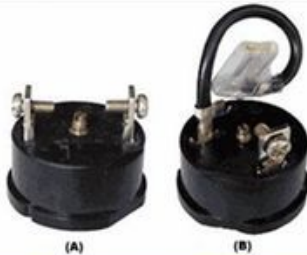
The specification(HP)	1/8	1/6	1/5	1/4	1/3	1/2	3/8
Compressor power(W)	93	125	150	180	245	375	275
Max Connection current(A)	3.0	3.6	4.25	4.75	5.30	6.50	6.0
Min.release current(A)	2.6	3.0	3.35	3.75	4.25	5.0	4.75



Compressor power(HP)	Compressor power Model	Max connect current(A)	Minimum release current(A)
1/12	B5A15	1.85	1.6
1/8	B8A10	2.43	2.07
1/6	B10A19	3	2.56
1/5	B12A12	3.5	2.95
1/4	B16A13	5.15	4.85
1/3	B9A11	7	5.9



The specification(HP)	1/12	1/10	1/8	1/7	1/6	1/5	1/4	1/3	1/2
Compressor power(W)	61	74	93	105	125	150	180	245	370
Max connect current(A)	2	2.5	3	3.3	3.6	4.75	5.35	6	7.5
Release current(A)	1.6	2	2.6	2.8	3	3.35	4.25	4.75	6



The specification(HP)	Overload current(A)	Movement temperature	Reply return temperature
3	35	125±10℃	60 ± 10℃
5	40		



The specification	Compressor power	Overload current(A)	Applied temperature	Restored temperature
JRT4-2/3	450W(2/3HP)	14	125-155℃	50-80℃
JRT4-10	750W(1HP)	16		
JRT4-13	975W(1.3HP)	20		
JRT4-15	1100W(1.5HP)	24		
JRT4-20	1500W(2HP)	30		

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Understanding the specifications of motor starting systems is crucial for optimizing performance and ensuring the longevity of your equipment. This guide provides a detailed breakdown of various motor starting systems, including their current ratings, temperature ranges, and power requirements. Whether you're working with compressors or other industrial machinery, this information will help you select the right system for your needs. Dive into the tables below to explore the key characteristics of each system and make informed decisions for your applications.