

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

Category: compressor

written by www.mbsm.pro | 5 February 2025

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	205	253	309	372	440	516	597	687	3/8" : 1/4"	425	325	235	14.6
						38	189	234	285	343	406	476	551	634					
						43	178	220	268	322	381	447	518	596					
CML45TB3N	4.5	1/4	CSIR	385	2.2	32	221	277	338	405	477	555	640	724	3/8" : 1/4"	425	325	235	14.7
						38	204	256	312	373	440	512	590	668					
						43	192	240	293	351	413	481	555	628					
CML60TB3N	5.7	1/3	CSIR	477	2.8	32	274	345	421	506	596	693	797	907	3/8" : 1/4"	425	330	245	22.7
						38	253	318	389	466	550	639	735	837					
						43	238	299	365	438	517	601	691	787					
CML80TB3N	7.6	3/8	CSIR	570	3.3	32	420	493	584	692	818	961	1122	1300	3/8" : 3/8"	450	355	270	23.5
						38	388	455	539	638	754	886	1035	1199					
						43	364	428	506	600	709	833	972	1127					
CML90TB3N	8.9	1/2	CSIR	700	4.0	32	434	545	665	798	940	1094	1258	1433	3/8" : 3/8"	425	355	270	23.9
						38	400	503	614	736	867	1009	1160	1321					
						43	376	472	577	692	815	948	1090	1242					
CMP12TB3N	12.0	1/2	CSR	860	4.1	32	598	755	926	1113	1317	1537	1772	2023	3/8" : 3/8"	480	425	350	29.8
						38	552	696	854	1027	1215	1417	1634	1866					
						43	519	655	803	965	1142	1332	1536	1754					
CMP14TB3N	14.0	5/8	CSR	1000	4.9	32	631	810	1002	1208	1429	1662	1911	2172	3/8" : 3/8"	500	425	350	29.9
						38	582	747	924	1114	1318	1533	1762	2004					
						43	547	702	869	1047	1239	1441	1657	1883					
CMX16TB3N	16.0	1	CSR	1163	5.8	32	751	973	1198	1428	1661	1899	2140	2385	3/8" : 3/8"	495	430	350	30.0
						38	708	916	1129	1345	1564	1788	2015	2246					
						43	671	869	1070	1276	1483	1696	1911	2130					
CMX18TB3N	18.4	1 1/8	CSR	1370	7.0	32	812	1024	1242	1466	1697	1933	2176	2425	3/8" : 3/8"	500	430	350	33.0
						38	765	965	1169	1381	1598	1820	2049	2283					
						43	725	915	1109	1310	1516	1726	1944	2165					
CMR22TB3N	21.2	1 1/4	CSR	1228	6.3	32	885	1126	1397	1698	2031	2396	2787	3213	1/2" : 3/8"	525	455	440	41.7
						38	816	1038	1288	1567	1873	2210	2571	2963					
						43	767	976	1211	1473	1761	2077	2416	2785					
CMS26TB3N	25.9	1 1/2	CSR	1772	9.0	32	1218	1553	1911	2289	2690	3113	3557	4023	1/2" : 3/8"	515	455	440	43.8
						38	1124	1433	1762	2111	2481	2871	3280	3711					
						43	1056	1347	1657	1984	2333	2699	3084	3488					



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 CML90TB3N, CMP12TB3N, CMP14TB3N, CMX16TB3N, CMX18TB3N, CMR22TB3N, CMS26TB3N,
 CGL40TB3NR, CGL45TB3NR, CGL60TB3NR, CGL90TB3NR, CGP10RB3N, CGP12TB3NR,
 CGP14TB3NR, CGX18TB3N, CGX21TB3N, CGS26TB3N, CGS30TB3N, CGS34TB3N

<https://mbsm.pro/wp-content/uploads/uploads/Mbsm-tn-media-Electrolux-Compressor->

1. Table of Contents:

- **Page 1:** Compressors and condensing units for low-temperature applications using R404a refrigerant.
- **Page 2:** Compressors and condensing units for medium/high-temperature applications using R404a refrigerant.
- **Page 3:** Compressors and condensing units for medium/high-temperature applications using R134a refrigerant.

2. Key Technical Data:

- **Compressor Type:** Compressors are classified based on displacement (cm^3/rev) and motor power (HP).
- **Motor Type:** CSIR (Capacitor Start Induction Run).
- **Electrical Power:** Measured in watts (Watts) and electrical current (FLA) in amperes.
- **Cooling Capacity:** Measured in watts (Watts) and varies based on ambient temperature and evaporating temperature.
- **Dimensions and Weight:** Dimensions (length, width, height) are provided in millimeters, and weight is given in kilograms.

3. Illustrative Tables:

Table 1: Compressors for Low-Temperature Applications (R404a)

Model	Displacement (cm^3/rev)	Motor Power (HP)	Motor Type	Electrical Power (Watts)	Electrical Current (Amps)	Ambient Temp. ($^{\circ}\text{C}$)	Cooling Capacity (Watts)	Dimensions (mm)	Weight (kg)
CM1A5FB3N	4.6	1/6	CSIR	226	1.6	40	95 – 370	425x325x220	14.5
CM1B0FB3N	6.0	1/5	CSIR	270	1.8	38	122 – 454	425x325x220	16.5
CM1B0FB3N	8.1	1/4	CSIR	345	2.2	38	159 – 548	425x325x220	17.2
CM1B0FB3N	8.6	1/3	CSIR	358	2.2	38	195 – 679	425x335x245	19.2
CM1P12FB3N	12.0	3/8	CSIR	219	2.9	32	263 – 965	425x335x245	22.3
CM1P14FB3N	14.0	1/2	CSIR	572	3.4	32	264 – 999	425x335x245	22.3
CMX13RF3N	18.4	5/8	CSIR	718	3.6	32	358 – 1351	510x350x275	28.0
CM1B22FB3N	21.8	2/3	CSIR	754	3.8	32	355 – 1712	540x385x300	34.0
CMS26FB3N	26.2	3/4	CSIR	890	4.7	32	369 – 2218	525x425x355	39.0
CM53GFB3N	30.0	7/8	CSIR	1130	5.6	32	618 – 2385	545x425x350	39.0

Table 2: Compressors for Medium/High-Temperature Applications (R404a)

Model	Displacement (cm ³ /rev)	Motor Power (HP)	Motor Type	Electrical Power (Watts)	Electrical Current (Amps)	Ambient Temp. (°C)	Cooling Capacity (Watts)	Dimensions (mm)	Weight (kg)
CM140TB3N	4.0	1/5	CSR	348	2.0	32	205 – 687	425x325x235	14.6
CM145TB3N	4.5	1/4	CSR	385	2.2	32	221 – 728	425x325x235	14.7
CM160TB3N	5.7	1/3	CSR	477	2.8	32	274 – 907	425x330x245	22.7
CM180TB3N	7.6	3/8	CSR	570	3.3	32	420 – 1300	450x355x270	23.5
CM190TB3N	8.9	1/2	CSR	700	4.0	32	434 – 1433	425x335x270	23.9
CMIP12TB3N	12.0	1/2	CSR	860	4.1	32	598 – 2023	450x355x350	29.8
CMIP14TB3N	14.0	5/8	CSR	1000	4.9	32	631 – 2172	450x355x350	29.9
CMX16TB3N	16.0	1	CSR	1163	5.8	32	751 – 2385	450x355x350	30.0
CMX18TB3N	18.4	1 1/8	CSR	1370	7.0	32	812 – 2425	450x355x350	30.0
CMR22TB3N	21.2	1 1/4	CSR	1228	6.3	32	885 – 3213	450x355x350	30.0
CM52BTB3N	25.9	1 1/2	CSR	1772	9.0	32	1218 – 4023	450x355x350	30.0

Table 3: Compressors for Medium/High-Temperature Applications (R134a)

Model	Displacement (cm ³ /rev)	Motor Power (HP)	Motor Type	Electrical Power (Watts)	Electrical Current (Amps)	Ambient Temp. (°C)	Cooling Capacity (Watts)	Dimensions (mm)	Weight (kg)
CG1401r83NR	4.0	1/8	CSIR	219	1.4	32	87 – 455	425x325x210	14.5
CG1451r83NR	4.5	1/6	CSIR	237	1.4	32	111 – 503	425x325x210	14.5
CG1601r83NR	5.7	1/5	CSIR	270	1.7	32	154 – 623	425x325x235	17.0
CG1301r83NR	8.8	1/4	CSIR	385	2.3	32	717 – 945	425x340x245	18.5
CGP10RB3N	10.2	1/3	CSIR	452	2.7	32	502 – 1123	425x350x270	19.5
CGP12T83NR	12.1	3/8	CSIR	602	3.6	32	529 – 1229	425x350x270	20.0
CGP14T83NR	14.0	3/8	CSIR	665	4.0	32	301 – 1354	425x350x270	21.5
CGX18T83N	18.4	1/2	CSIR	845	5.1	32	394 – 1811	510x361x297	26.0
CGX21T83N	20.7	5/8	CSIR	1001	5.8	32	454 – 2057	480x450x312	29.0
CGS26T83N	25.9	3/4	CSIR	1120	6.85	32	541 – 3182	525x425x355	36.0
CGS30T83N	30.0	7/8	CSIR	1170	6.4	32	627 – 3340	545x425x350	39.0

Model	Displacement (cm ³ /rev)	Motor Power (HP)	Motor Type	Electrical Power (Watts)	Electrical Current (Amps)	Ambient Temp. (°C)	Cooling Capacity (Watts)	Dimensions (mm)	Weight (kg)
CGS34T83N	34.4	1	CSIR	1352	7.0	32	707 – 3340	545x425x350	39.0

4. Explanations and Analysis:

A. Compressor Applications:

- **Low-Temperature Applications:** These compressors are used in refrigeration systems that require low temperatures, such as refrigerators and freezers. The refrigerant used is R404a.
- **Medium/High-Temperature Applications:** These compressors are used in air conditioning and refrigeration systems that operate at higher temperatures, such as air conditioners and commercial refrigeration systems. The refrigerants used are R404a and R134a.

B. Cooling Capacity:

- Cooling capacity varies based on ambient temperature and evaporating temperature. The lower the evaporating temperature, the lower the cooling capacity of the compressor.
- Larger compressors (with higher displacement) provide higher cooling capacity.

C. Dimensions and Weight:

- Larger compressors weigh more and take up more space, requiring appropriate system design for installation.

D. Compatibility with Other Refrigerants:

- All models are suitable for use with R507 and R407B refrigerants, providing flexibility in refrigerant selection based on application and local regulations.

5. Conclusion:

- Electrolux offers a wide range of compressors and condensing units to meet various cooling needs, whether for low-temperature or medium/high-temperature applications.
- The provided technical data helps in selecting the appropriate compressor based on required cooling capacity, environmental conditions, and available installation space.

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	205	253	309	372	440	516	597	687	3/8" : 1/4"	425	325	235	14.6
						38	189	234	285	343	406	476	551	634					
						43	178	220	268	322	381	447	518	596					
CML45TB3N	4.5	1/4	CSIR	385	2.2	32	221	277	338	405	477	555	640	724	3/8" : 1/4"	425	325	235	14.7
						38	204	256	312	373	440	512	590	668					
						43	192	240	293	351	413	481	555	628					
CML60TB3N	5.7	1/3	CSIR	477	2.8	32	274	345	421	506	596	693	797	907	3/8" : 1/4"	425	330	245	22.7
						38	253	318	389	466	550	639	735	837					
						43	238	299	365	438	517	601	691	787					
CML80TB3N	7.6	3/8	CSIR	570	3.3	32	420	493	584	692	818	961	1122	1300	3/8" : 3/8"	450	355	270	23.5
						38	388	455	539	638	754	886	1035	1199					
						43	364	428	506	600	709	833	972	1127					
CML90TB3N	8.9	1/2	CSIR	700	4.0	32	434	545	665	798	940	1094	1258	1433	3/8" : 3/8"	425	355	270	23.9
						38	400	503	614	736	867	1009	1160	1321					
						43	376	472	577	692	815	948	1090	1242					
CMP12TB3N	12.0	1/2	CSR	860	4.1	32	598	755	926	1113	1317	1537	1772	2023	3/8" : 3/8"	480	425	350	29.8
						38	552	696	854	1027	1215	1417	1634	1866					
						43	519	655	803	965	1142	1332	1536	1754					
CMP14TB3N	14.0	5/8	CSR	1000	4.9	32	631	810	1002	1208	1429	1662	1911	2172	3/8" : 3/8"	500	425	350	29.9
						38	582	747	924	1114	1318	1533	1762	2004					
						43	547	702	869	1047	1239	1441	1657	1883					
CMX16TB3N	16.0	1	CSR	1163	5.8	32	751	973	1198	1428	1661	1899	2140	2385	3/8" : 3/8"	495	430	350	30.0
						38	708	916	1129	1345	1564	1788	2015	2246					
						43	671	869	1070	1276	1483	1696	1911	2130					
CMX18TB3N	18.4	1 1/8	CSR	1370	7.0	32	812	1024	1242	1466	1697	1933	2176	2425	3/8" : 3/8"	500	430	350	33.0
						38	765	965	1169	1381	1598	1820	2049	2283					
						43	725	915	1109	1310	1516	1726	1944	2165					
CMR22TB3N	21.2	1 1/4	CSR	1228	6.3	32	885	1126	1397	1698	2031	2396	2787	3213	1/2" : 3/8"	525	455	440	41.7
						38	816	1038	1288	1567	1873	2210	2571	2963					
						43	767	976	1211	1473	1761	2077	2416	2785					
CMS26TB3N	25.9	1 1/2	CSR	1772	9.0	32	1218	1553	1911	2289	2690	3113	3557	4023	1/2" : 3/8"	515	455	440	43.7
						38	1124	1433	1762	2111	2481	2871	3280	3711					
						43	1056	1347	1657	1984	2333	2699	3084	3488					

