



Applications

This new compressor range will perfectly fit various applications like:

- Laboratory and medical equipment
- Clip-on units and condensing units
- Compressed air dryers
- Glass door merchandisers
- Bakery refrigeration equipment
- Ice cream cabinets
- Display cabinets – low temperature
- Vending machines
- Soft ice cream machines
- Ice making machines (ML/DL)
- Blast freezers
- Slush/frozen beverage
- Small coolers for trucks, working only stationary
- Heat pumps
- Milk cooling tanks
- Bottle coolers



Refrigeration Controls programme consists of:

					
	Hermetic filter drier with solid core	Direct or servo operated solenoid valve	Sight glass with moisture indicator		R404A/R507

The new energy-optimized compressors
– for light commercial LBP/MBP/HBP applications

No matter the size – we cover them all



Based on our many years of experience we have developed a complete series of energy-optimized compressors tailored for light commercial applications.

Available in a product range from 4 cm³ to 34 cm³ it covers the widest range of hermetic compressors and enables considerable energy savings with small compressor dimensions and displacement respectively.

With newly designed motors and starting equipment our new high efficient compressors allow an extended application envelope within the LBP areas and offer – due to their high COP performance – a very high cooling capacity, particularly at low and very low evaporating temperatures (-25°C to -45°C).

Product advantages

- Smaller compressor dimensions or smaller displacements possible
Higher cooling capacity
- Low noise level, Innovative compressor technology
- Low energy consumption
High cooling capacity
Improved COP
- Small start equipment
- High starting torque
- High thermal working conditions
Oil and surface cooling
Integrated winding protection
- High product quality
- Wide voltage range:
220-240 V 50 Hz programme
208-230 V 60 Hz programme
115 V 60 Hz programme

Customer benefits

- Extensive application range
- Compact cabinets
- Low sound emission
- Low running costs
- Reduced installation costs
- Operation with thermostat expansion valve possible
- Application at high ambient temperature
- High appliance and system robustness at rough operating conditions
- Insensitive to unstable electric power supply

Voltage Frequency	Compressor	Code numbers	Horse- power (approx.)	EN 12900 (CECOMAF) Capacity [W]															EN 12900 (CECOMAF) Power consumption [W]			COP (CECOMAF) [W/W]				
				Evaporating temperature [°C]															Evaporating temperature [°C]							
				-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	-25	-10				5	
220 - 240 V 50 Hz	TL4CL	102U2071	1/8	52	65	84	110	142	155	182	230	286	330	352						140	198		1.02	1.45		
	FR6CL	103U2670	1/6	77	108	145	189	243	263	307	383	473	542	578						242	353		1.00	1.34		
	FR7.5CL	103U2790	1/5	86	114	154	202	262	285	333	418	515	591	630						267	395		0.98	1.30		
	FR8.5CL	103U2890	1/4	99	126	168	222	290	317	372	468	577								315	472		0.92	1.22		
	NL7CLX	105F3710	1/3	102	146	199	263	340	369	430	536	657	749	796						274	381		1.24	1.72		
	SC10CLX	104L2533	1/3			166	255	360	400	483	625	789	913	977	1190	1430				352	508	631	1.02	1.55	2.27	
	SC12CLX.2	104L2697	1/2	130	205	294	399	522	569	666	834	1026								475	659		1.10	1.56		
	SC15CLX.2	104L2896	1/2	159	250	358	486	637	694	813	1017	1251	1424	1519						565	783		1.13	1.60		
	SC18CLX.2	104L2197	3/4	194	306	439	595	780	849	995	1245	1532								680	949		1.15	1.61		
	SCE18CLX.2	104L2196	3/4	194	306	439	595	780	849	995	1245	1532								621	888		1.26	1.73		
	SC21CL	104L2322	7/8	226	325	455	617	813	887	1042	1306	1606								702	989		1.16	1.62		
GS26CLX	107B0500	1	266	432	630	866	1143	1245	1467	1843	2275								912	1326		1.25	1.72			
208 - 230 V 60 Hz	SC10CLX	104L2533	3/8			224	335	455	499	588	738	906	1031	1096						430	623		1.06	1.45		
	SC12CLX.2	104L2697	1/2	155	233	343	473	626	683	804	1011	1248								541	777		1.16	1.61		
	SC15CLX.2	104L2897	5/8	194	305	437	593	776	846	991	1239	1525								611	848		1.27	1.80		
	SC18CLX.2	104L2195	7/8	233	367	526	714	936	1019	1194	1494	1838								742	1054		1.26	1.74		
220 - 240 V 50 Hz	TL4DL	102U2038	1/6							196	229	281	324	349	432	527	571	631		203	256		1.38	2.06		
	FR6DL	103U2680	1/4							317	385	471	538	576	698	840	907	999	1177		354	456		1.33	1.84	
	NF7MLX	105F3720	1/5								543	666	756	805	964	1142	1227	1341			391	546		1.70	2.09	
	SC10MLX	104L2506	1/2						465	546	687	855	981	1051	1278	1537	1662				518	633		1.65	2.43	
	SC10DL	104L2525	1/3							471	611	775	899	968	1192	1450	1576	1747	2085		479	590		1.62	2.46	
	SC12DL	104L2625	1/2							609	806	1028	1190	1279	1565	1890	2046	2258	2674		624	750		1.65	2.52	
	SC15DL	104L2856	1/2							759	964	1207	1390	1493	1825	2210	2397	2652	3156		722	865		1.67	2.56	
	SC12MLX	104L2606	5/8						572	669	838	1038	1188	1272	1542	1852	2001				620	762		1.68	2.43	
	SC15MLX	104L2869	3/4						710	829	1038	1285	1471	1574	1909	2293	2478				780	979		1.65	2.34	
	SC18MLX	104L2139	7/8						831	968	1210	1497	1712	1832	2220	2665	2880				860	1080		1.74	2.47	
	SC18MLX.3	104L2146	7/8						876	1018	1266	1557	1779	1898	2292	2743	2964				878	1096		1.77	2.50	
	GS21MLX	107B0502	1							1141	1463	1841	2134	2290	2791	3340	3600				997	1230		1.85	2.72	
208 - 230 V 60 Hz	NF7MLX	105F3720	1/4						445	518	642	785	891	948	1134	1343	1442				468	622		1.68	2.16	
	SC10MLX	104L2506	5/8						547	646	816	1015	1164	1246	1510	1812	1960				612	817		1.66	2.22	
	SC12MLX	104L2606	3/4						659	773	970	1199	1370	1465	1770	2118	2286				729	975		1.64	2.17	
	SC15MLX.2	104L2803	7/8						784	915	1145	1418	1623	1737	2107	2531	2735				860	1080		1.65	2.34	
	SC18MLX	104L2138	7/8						986	1140	1412	1732	1972	2106	2538	3034	3273				1051	1317		1.65	2.30	

Test conditions
Condensing temperature 45°C
Ambient temperature 32°C
Suction gas temperature 32°C
Liquid temperature no subcooling

EN 12900/CECOMAF



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