

cubigel[®] condensing units

Cubigel Condensing units by Huayi Compressor Barcelona, S.L., subsidiary of Huayi Group, were founded in 1962 under the name of Unidad Hermética with the aim of producing hermetic compressors & cooling equipment. Today the company belongs to Huayi Compressors Co.Ltd.

Oriented to develop quality product supported by European production, with more than 100 million compressors produced under the Cubigel Compressors[®] brand, the company mission has remained the same during its 55 years of experience developing compressors and satisfying the refrigeration market trends of Commercial Refrigeration.

The compressors are designed to optimize energy consumption to reduce the effects of Global Warming, which are the goals of innovative R&D, focused on developing a wide range of products to meet the commercial refrigeration market requirements worldwide.



CUBIGEL HERMETIC CONDENSING UNITS

R404A (R507) - Low Temperature Condensing Units

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 32°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-40	-35	-30	-25	-23.3	-20	-15	-10				
CMLY60LAB3NB	1/5	32.0	147	194	249	311	335	383	461	548	Displ cm³ 5.98	Max. 2.5	High Efficiency	Weight 18.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	134	176	226	283	305	348	419	498	220-240v 1Ø-50Hz	LRA 10.0		Receiver 0.9 Litres
Liquid 6.35mm (1/4")		43.0	120	159	204	254	274	313	377	448	CSR	Blade 172mm 28°		Unit Drawing CUCA0032
CMLY80LAB3NB	1/4	32.0	195	245	310	389	419	482	588	709	Displ cm³ 8.1	Max. 2.4	High Efficiency	Weight 20.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	177	223	282	354	381	438	535	645	220-240v 1Ø-50Hz	LRA 11.0		Receiver 0.9 Litres
Liquid 6.35mm (1/4")		43.0	159	200	253	318	343	394	481	580	CSR	Blade 200mm 28°		Unit Drawing CUCA0032
CMLY90LAB3NB	1/4	32.0	267	310	370	447	477	541	652	779	Displ cm³ 9.09	Max. 3.5	High Efficiency	Weight 20. kg
Unit Connections Suction 9.5mm (3/8")		38.0	243	282	337	407	434	492	593	708	220-240v 1Ø-50Hz	LRA 11.5		Receiver 0.9 Litres
Liquid 6.35mm (1/4")		43.0	218	253	302	365	390	443	533	637	CSR	Blade 200mm 28°		Unit Drawing CUCA0032
CMPT12LA3NB	3/8	32.0	308	390	487	597	638	722	860	1012	Displ cm³ 12.1	Max. 3.8	High Efficiency	Weight 22.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	283	360	448	549	587	664	791	931	220-240v 1Ø-50Hz	LRA 13.9		Receiver 0.9 Litres
Liquid 6.35mm (1/4")		43.0	255	323	403	494	528	597	711	837	CSR	Blade 230mm 31°		Unit Drawing CUCA0032
CMPT14LA6PNB c/w: HP/LP Control, Drier & Sight Glass.	1/2	32.0	378	478	586	701	743	825	955	1093	Displ cm³ 14.32	Max. 5.0	High Efficiency	Weight 25.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	345	439	539	644	684	786	878	1005	220-240v 1Ø-50Hz	LRA 16.0		Receiver 1.1 Litres
Liquid 9.5mm (3/8")		43.0	213	396	484	580	614	683	790	904	CSR	Blade 230mm 31°		Unit Drawing CUCA0033

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R404A (R507) - Low Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 32°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-40	-35	-30	-25	-23.3	-20	-15	-10				
CMPT16LA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1/2	32.0	432	546	669	801	848	942	1091	1248	Displ cm³ 16.15	Max. 4.0 LRA 19.0	High Efficiency Blade 230mm 31°	Weight 26.0 Kg
38.0		397	502	615	736	780	866	1004	1148	220-240v 1Ø-50Hz	Receiver 1.1 Litres			
43.0		357	452	553	663	702	780	903	1033	CSR	Unit Drawing CUCA0033			
CMX21FBA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	3/4	32.0	544	640	840	1003	1062	1178	1385	1560	Displ cm³ 20.72	Max. 6.5 LRA 24.0	Standard Efficiency Blade 230mm 31°	Weight 31.0 Kg
38.0		510	600	783	940	997	1106	1298	1463	220-240v 1Ø-50Hz	Receiver 1.1 Litres			
43.0		486	572	746	895	950	1051	1237	1389	CSR	Unit Drawing CUCA0035			
CMS26FB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 12.7mm (1/2") Liquid 9.5mm (3/8")	3/4	32.0	523	690	1028	1303	1400	1593	1896	2217	Displ cm³ 25.93	MCC. 7.3 LRA 31.5	Standard Efficiency Blade 300mm 19°	Weight 40.0 kg
38.0		471	691	925	1173	1260	1434	1760	1995	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		425	623	834	1058	1136	1293	1539	1800	CSR	Unit Drawing CUCA0036			
CMS34FB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1.0	32.0	826	980	1210	1516	1638	1899	2357	2892	Displ cm³ 34.42	Max. 9.0 LRA 39.0	Standard Efficiency Blade 300mm 19°	Weight 41.0 kg
38.0		743	882	1089	1364	1474	1709	2121	2603	220v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		671	796	982	1231	1330	1542	1913	2348	CSR	Unit Drawing CUCA0036			

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R404A (R507) - Medium Temperature Condensing Units

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CMLY60RAB3NB	1/4	32.0	326	399	482	581	686	815	1002	1081	Displ cm³ 5.98	Max. 5.6 LRA 11.0 CSR	High Efficiency Blade 230mm 31°	Weight 24.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	301	368	445	536	633	752	925	997	220-240v 1Ø-50Hz			Receiver 0.9 Litres
Liquid 9.5mm (3/8")		43.0	283	346	418	504	595	707	869	937				Unit Drawing CUCA0032
CMLY80RAB3NB	3/8	32.0	433	542	664	796	940	1095	1338	1439	Displ cm³ 8.1	Max. 4.9 LRA 14.0 CSR	High Efficiency Blade 230mm 31°	Weight 25.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	400	500	613	734	867	1011	1235	1328	220-240v 1Ø-50Hz			Receiver 1.1 Litres
Liquid 9.5mm (3/8")		43.0	375	470	576	690	815	950	1160	1248				Unit Drawing CUCA0033
CMLY90RAB3NB	3/8	32.0	479	600	732	876	1033	1203	1465	1574	Displ cm³ 9.09	Max. 5.3 LRA 17.0 CSR	High Efficiency Blade 254mm 34°	Weight 26.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	442	553	676	809	953	1110	1352	1453	220-240v 1Ø-50Hz			Receiver 1.1 Litres
Liquid 9.5mm (3/8")		43.0	416	520	635	760	895	1043	1271	1365				Unit Drawing CUCA0034
CMPT12RA3NB	3/8	32.0	641	800	986	1193	1426	1686	2104	2279	Displ cm³ 12.1	Max. 5.3 LRA 18.5 CSR	High Efficiency Blade 300mm 25°	Weight 31.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	591	738	909	1101	1315	1555	1941	2102	220-240v 1Ø-50Hz			Receiver 2.4 Litres
Liquid 9.5mm (3/8")		43.0	556	694	855	1035	1237	1462	1825	1976				Unit Drawing CUCA0039
CMPT14RA6PNB c/w: HP/LP Control, Drier & Sight Glass.	1/2	32.0	722	927	1111	1361	1608	1797	2104	2236	Displ cm³ 14.32	Max. 6.5 LRA 21.0 CSR	High Efficiency Blade 300mm 25°	Weight 31.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	666	855	1025	1256	1483	1658	1941	2062	220-240v 1Ø-50Hz			Receiver 2.4 Litres
Liquid 9.5mm (3/8")		43.0	626	804	964	1180	1395	1559	1825	1939				Unit Drawing CUCA0038

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R404A (R507) - Medium Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CMX16TBA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	7/8	32.0	-	-	1105	1348	1580	1750	2022	2137	Displ cm³ 16.03	Max. 9.0 LRA 34.5	Standard Efficiency Blade 300mm 25°	Weight 33.0 kg
38.0		-	-	1019	1243	1458	1614	1865	1971	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		-	-	958	1169	1370	1517	1753	1853	CSR	Unit Drawing CUCA0037			
CMX21TBA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1.0	32.0	898	1105	1341	1608	1897	2235	2681	2983	Displ cm³ 20.72	Max. 9.6 LRA 37.0	Standard Efficiency Blade 300mm 27°	Weight 37.0 kg
38.0		846	1040	1263	1515	1786	2105	2524	2809	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		804	988	1199	1439	1697	2001	2398	2668	CSR	Unit Drawing CUCA0037			
CMS22TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 12.7mm (1/2") Liquid 9.5mm (3/8")	1.0	32.0	885	1128	1394	1778	2034	2397	2987	3233	Displ cm³ 21.7	Max. 8.4 LRA 32.0	Standard Efficiency Blade 300mm 27°	Weight 43.0 kg
38.0		833	1062	1314	1674	1916	2257	2813	3044	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		791	1009	1247	1590	1820	2144	2672	2892	CSR	Unit Drawing CUCA0036			
CMS26TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1-3/8	32.0	1217	1551	1907	2287	2691	3117	3774	4043	Displ cm³ 25.93	Max. 11.5 LRA 38.0	Standard Efficiency Blade 350mm 27°	Weight 45.0 kg
38.0		1123	1430	1759	2110	2482	2876	3481	3730	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		1056	1345	1653	1983	2333	2703	3273	3507	CSR	Unit Drawing CUCA0036			
CMS34TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1-5/8	32.0	1409	1972	2530	3081	3626	4163	4926	5219	Displ cm³ 34.42	Max. 17.5 LRA 41.0	Standard Efficiency Blade 350mm 27°	Weight 46.0kg
38.0		1299	1819	2334	2842	3344	3840	4544	4814	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		1221	1710	2194	2672	3144	3610	4272	4526	CSR	Unit Drawing CUCA0036			

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R449A - Medium Temperature Condensing Units

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 20°C return gas & inherent sub cooling						Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)									
			Evaporating Temperature °C									
			-15	-10	-5	0	7.2	10				
CMLY60RAB3NB	1/4	32.0	441	544	656	795	996	1076	Displ cm³ 5.98	Max. 5.6	High Efficiency	Weight 24.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	410	507	612	743	934	1007	220-240v 1Ø-50Hz	LRA 11.0		Receiver 0.9 Litres
Liquid 9.5mm (3/8")		43.0	389	481	583	709	878	948	CSR	Blade 230mm 31°		Unit Drawing CUCA0032
CMLY80RAB3NB	3/8	32.0	607	745	898	1068	1330	1433	Displ cm³ 8.1	Max. 4.9	High Efficiency	Weight 25.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	565	694	839	999	1247	1342	220-240v 1Ø-50Hz	LRA 14.0		Receiver 1.1 Litres
Liquid 9.5mm (3/8")		43.0	536	659	798	953	1172	1262	CSR	Blade 230mm 31°		Unit Drawing CUCA0033
CMLY90RAB3NB	3/8	32.0	669	820	987	1173	1456	1567	Displ cm³ 9.09	Max. 5.3	High Efficiency	Weight 26.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	623	765	922	1097	1365	1468	220-240v 1Ø-50Hz	LRA 17.0		Receiver 1.1 Litres
Liquid 9.5mm (3/8")		43.0	590	726	877	1046	1284	1381	CSR	Blade 254mm 34°		Unit Drawing CUCA0034
CMPT12RA3NB	3/8	32.0	902	1116	1363	1644	2091	2269	Displ cm³ 12.1	Max. 5.3	High Efficiency	Weight 31.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	838	1041	1272	1537	1959	2124	220-240v 1Ø-50Hz	LRA 18.5		Receiver 2.4 Litres
Liquid 9.5mm (3/8")		43.0	795	989	1212	1467	1844	1999	CSR	Blade 300mm 25°		Unit Drawing CUCA0039
CMPT14RA6PNB c/w: HP/LP Control, Drier & Sight Glass.	1/2	32.0	1016	1273	1537	1752	2091	2227	Displ cm³ 14.32	Max. 6.5	High Efficiency	Weight 31.0 kg
Unit Connections Suction 9.5mm (3/8")		38.0	945	1187	1434	1639	1959	2084	220-240v 1Ø-50Hz	LRA 21.0		Receiver 2.4 Litres
Liquid 9.5mm (3/8")		43.0	896	1127	1367	1564	1844	1961	CSR	Blade 300mm 25°		Unit Drawing CUCA0038

Note: HMBP Cubigel compressors on R449A - maximum 55°C SCT & 20°C return gas temperature.

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R449A - Medium Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 20°C return gas & inherent sub cooling						Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)									
			Evaporating Temperature °C									
			-15	-10	-5	0	7.2	10				
CMX16TBA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	7/8	32.0	973	1215	1456	1647	1941	2060	Displ cm³ 16.03	Max. 9.0	Standard Efficiency Blade 300mm 25°	Weight 33.0 kg
38.0		897	1123	1349	1528	1804	1913	220-240v 1Ø-50Hz	LRA 34.5	Receiver 2.4 Litres		
43.0		841	1056	1271	1443	1697	1798	CSR		Unit Drawing CUCA0037		
CMX21TBA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1.0	32.0	1226	1504	1813	2179	2665	2970	Displ cm³ 20.72	Max. 9.6	Standard Efficiency Blade 300mm 27°	Weight 37.0 kg
38.0		1165	1432	1727	2081	2548	2838	220-240v 1Ø-50Hz	LRA 37.0	Receiver 2.4 Litres		
43.0		1115	1375	1662	2007	2423	2699	CSR		Unit Drawing CUCA0037		
CMS22TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 12.7mm (1/2") Liquid 9.5mm (3/8")	1.0	32.0	1275	1663	1944	2337	2969	3219	Displ cm³ 21.7	Max. 8.4	Standard Efficiency Blade 300mm 27°	Weight 43.0 kg
38.0		1212	1582	1853	2231	2840	3076	220-240v 1Ø-50Hz	LRA 32.0	Receiver 2.4 Litres		
43.0		1159	1519	1783	2151	2700	2925	CSR		Unit Drawing CUCA0036		
CMS26TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1-3/8	32.0	1744	2140	2571	3039	3751	4026	Displ cm³ 25.93	Max. 11.5	Standard Efficiency Blade 350mm 27°	Weight 45.0 kg
38.0		1622	1994	2401	2843	3514	3769	220-240v 1Ø-50Hz	LRA 38.0	Receiver 2.4 Litres		
43.0		1537	1894	2285	2712	3307	3547	CSR		Unit Drawing CUCA0036		
CMS34TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1-5/8	32.0	2314	2883	3465	4059	4896	5197	Displ cm³ 34.42	Max. 17.5	Standard Efficiency Blade 350mm 27°	Weight 46.0kg
38.0		2153	2686	3234	3796	4587	4865	220-240v 1Ø-50Hz	LRA 41.0	Receiver 2.4 Litres		
43.0		2040	2553	3080	3621	4317	4578	CSR		Unit Drawing CUCA0036		

Note: HMBP Cubigel compressors on R449A - maximum 55°C SCT & 20°C return gas temperature.

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R134A - Medium Temperature Condensing Units

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGLY60RAB3NB (Note: to be replaced by CGUY60RAB3NB) Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/5	32.0	134	182	239	302	372	450	574	627	Displ cm³ 5.98	Max. 2.5 LRA 8.5	High Efficiency Blade 200mm 28°	Weight 18.0 kg
38.0		123	168	220	278	343	415	530	578	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		116	158	207	261	322	390	498	543	CSR	Unit Drawing CUCA0032			
CGUY60RAB3NB (Note: will replace CGLY60RAB3NB) Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1/5	32.0	170	225	288	356	430	511	641	695	Displ cm³ 6.0	Max. 2.0 LRA 9.0	High Efficiency Blade 200mm 28°	Weight 16.0 kg
38.0		156	207	263	324	391	466	584	631	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		146	194	246	300	363	431	540	583	CSR	Unit Drawing CUCA0031			
CGLY80RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/5	32.0	225	286	361	453	559	680	883	970	Displ cm³ 8.10	Max. 3.5 LRA 10.5	High Efficiency Blade 200mm 28°	Weight 20.0 kg
38.0		208	264	333	418	515	627	814	895	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		195	248	313	392	484	590	765	841	CSR	Unit Drawing CUCA0032			
CGLY90RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/4	32.0	221	292	370	470	580	708	919	1010	Displ cm³ 9.09	Max. 3.2 LRA 11.0	High Efficiency Blade 230mm 31°	Weight 22.0 kg
38.0		204	270	342	434	535	653	848	931	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		192	253	321	408	503	614	796	875	CSR	Unit Drawing CUCA0032			

CUBIGEL HERMETIC CONDENSING UNITS

R134A - Medium Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGPY12RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	3/8	32.0	258	362	461	583	724	879	1129	1234	Displ cm³ 12.10	Max. 4.1 LRA 14.0	High Efficiency Blade 230mm 31°	Weight 23.0 kg
38.0		238	334	425	538	668	810	1041	1138	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		224	314	400	506	628	762	979	1070	CSR	Unit Drawing CUCA0032			
CGPY14RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	3/8	32.0	300	397	512	647	801	972	1252	1373	Displ cm³ 14.32	Max. 5.9 LRA 16.0	High Efficiency Blade 254mm 34°	Weight 25.0 kg
38.0		277	366	473	597	738	897	1155	1266	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		261	344	444	561	694	843	1086	1190	CSR	Unit Drawing CUCA0033			
CGPY16RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	3/8	32.0	401	524	663	819	992	1182	1486	1613	Displ cm³ 16.15	Max. 6.2 LRA 16.5	High Efficiency Blade 254mm 34°	Weight 25.0 kg
38.0		370	483	611	755	915	1090	1370	1488	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		348	454	575	710	860	1025	1288	1399	CSR	Unit Drawing CUCA0033			
CGPT18RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1/2	32.0	-	-	752	909	1096	1314	1680	1838	Displ cm³ 18.0	Max. 5.5 LRA 23.0	High Efficiency Blade 254mm 34°	Weight 30.0 kg
38.0		-	-	694	838	1011	1212	1550	1695	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		-	-	652	788	950	1139	1457	1594	CSR	Unit Drawing CUCA0038			

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R134A - Medium Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGX23TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	5/8	32.0	506	661	933	1152	1400	1668	2024	2176	Displ cm³ 23.2	Max. 8.5 LRA 29.0	Standard Efficiency Blade 254mm 34°	Weight 34.0 kg
38.0		467	609	860	1062	1291	1538	1866	2007	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		439	573	809	999	1213	1446	1754	1887	CSIR	Unit Drawing CUCA0037			
CGS26TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	3/4	32.0	539	704	1018	1258	1587	1891	2403	2608	Displ cm³ 25.93	Max. 8.7 LRA 32.0	Standard Efficiency Blade 300mm 19°	Weight 37.0 kg
38.0		497	649	939	1159	1464	1744	2215	2406	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		468	610	883	1091	1375	1640	2082	2262	CSIR	Unit Drawing CUCA0036			
CGS34TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1.0	32.0	706	922	1321	1632	2050	2443	3097	3360	Displ cm³ 34.42	Max. 9.6 LRA 37.0	Standard Efficiency Blade 300mm 19°	Weight 40.0 kg
38.0		651	850	1218	1504	1891	2253	2854	3100	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		613	799	1145	1415	1776	2119	2683	2914	CSR	Unit Drawing CUCA0036			

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.



CUBIGEL HERMETIC CONDENSING UNITS

R513A - Medium Temperature Condensing Units

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGLY60RAB3NB (Note: to be replaced by CGUY60RAB3NB) Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/5	32.0	128	174	229	291	360	438	565	620	Displ cm³ 5.98	Max. 2.5 LRA 8.5	High Efficiency Blade 200mm 28°	Weight 18.0 kg
38.0		118	161	212	268	332	404	522	572	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		111	151	199	252	312	380	490	537	CSR	Unit Drawing CUCA0032			
CGUY60RAB3NB (Note: will replace CGLY60RAB3NB) Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1/5	32.0	163	216	277	343	417	498	631	687	Displ cm³ 6.0	Max. 2.0 LRA 9.0	High Efficiency Blade 200mm 28°	Weight 16.0 kg
38.0		149	198	253	312	379	454	575	624	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		140	186	236	289	352	420	532	577	CSR	Unit Drawing CUCA0031			
CGLY80RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/5	32.0	216	274	347	437	541	663	870	960	Displ cm³ 8.10	Max. 3.5 LRA 10.5	High Efficiency Blade 200mm 28°	Weight 20.0 kg
38.0		199	253	320	403	499	612	802	886	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		187	237	301	378	469	575	754	832	CSR	Unit Drawing CUCA0032			
CGLY90RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	1/4	32.0	212	280	356	453	562	690	905	999	Displ cm³ 9.09	Max. 3.2 LRA 11.0	High Efficiency Blade 230mm 31°	Weight 22.0 kg
38.0		195	258	328	418	519	637	835	921	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		183	243	308	393	487	598	784	866	CSR	Unit Drawing CUCA0032			

CUBIGEL HERMETIC CONDENSING UNITS

R513A - Medium Temperature Condensing Units (cont'd)

Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGPY12RAB3NB Unit Connections Suction 9.5mm (3/8") Liquid 6.35mm (3/8")	3/8	32.0	247	347	443	562	702	856	1112	1220	Displ cm³ 12.10	Max. 4.1 LRA 14.0	High Efficiency Blade 230mm 31°	Weight 23.0 kg
38.0		228	320	408	519	647	790	1025	1125	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		214	301	384	488	609	743	964	1058	CSR	Unit Drawing CUCA0032			
CGPY14RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	3/8	32.0	287	380	492	624	776	948	1233	1358	Displ cm³ 14.32	Max. 5.9 LRA 16.0	High Efficiency Blade 254mm 34°	Weight 25.0 kg
38.0		265	351	454	575	715	874	1137	1252	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		249	330	427	541	673	822	1069	1177	CSR	Unit Drawing CUCA0033			
CGPY16RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	3/8	32.0	384	502	636	790	961	1152	1463	1596	Displ cm³ 16.15	Max. 6.2 LRA 16.5	High Efficiency Blade 254mm 34°	Weight 25.0 kg
38.0		354	463	587	728	886	1063	1349	1472	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		333	435	552	685	833	999	1269	1384	CSR	Unit Drawing CUCA0033			
CGPT18RA6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	1/2	32.0	-	-	722	876	1062	1281	1655	1818	Displ cm³ 18.0	Max. 5.5 LRA 23.0	High Efficiency Blade 254mm 34°	Weight 30.0 kg
38.0		-	-	666	808	979	1181	1526	1676	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		-	-	626	760	921	1111	1435	1576	CSR	Unit Drawing CUCA0038			

Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.

CUBIGEL HERMETIC CONDENSING UNITS

R513A - Medium Temperature Condensing Units (cont'd)

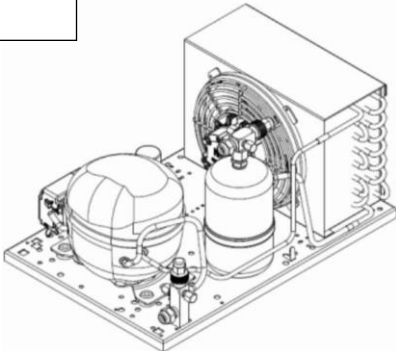
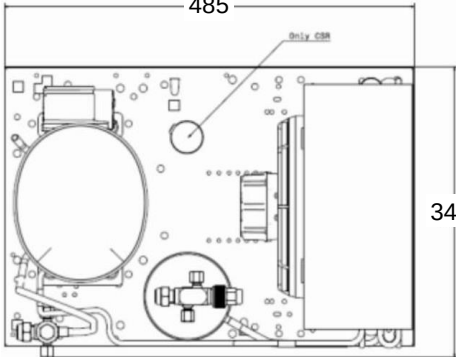
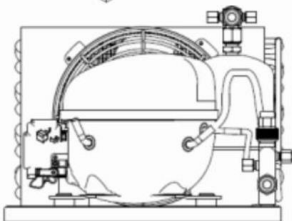
Airefrig Part Number	Nom HP	Amb. Temp °C	Based on 35°C return gas (ASHRAE conditions)								Comp Data	Comp Amps	Fan Motor & Blade	Unit Info
			Refrigeration Capacity (watts)											
			Evaporating Temperature °C											
			-25	-20	-15	-10	-5	0	7.2	10				
CGX23TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 9.5mm (3/8") Liquid 9.5mm (3/8")	5/8	32.0	484	633	896	1111	1356	1626	1993	2152	Displ cm³ 23.2	Max. 8.5 LRA 29.0	Standard Efficiency Blade 254mm 34°	Weight 34.0 kg
38.0		447	583	826	1024	1251	1499	1837	1985	220-240v 1Ø-50Hz	Receiver 1.2 Litres			
43.0		420	549	777	963	1175	1409	1727	1867	CSIR	Unit Drawing CUCA0037			
CGS26TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	3/4	32.0	516	674	978	1213	1537	1843	2366	2580	Displ cm³ 25.93	Max. 8.7 LRA 32.0	Standard Efficiency Blade 300mm 19°	Weight 37.0 kg
38.0		475	622	902	1117	1418	1700	2181	2380	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		448	584	848	1052	1332	1598	2050	2238	CSIR	Unit Drawing CUCA0036			
CGS34TB6PNB c/w: HP/LP Control, Drier & Sight Glass. Unit Connections Suction 15.9mm (5/8") Liquid 9.5mm (3/8")	1.0	32.0	675	883	1269	1573	1986	2381	3050	3324	Displ cm³ 34.42	Max. 9.0 LRA 32.0	Standard Efficiency Blade 300mm 19°	Weight 40.0 kg
38.0		623	814	1170	1450	1832	2196	2810	3067	220-240v 1Ø-50Hz	Receiver 2.4 Litres			
43.0		586	765	1100	1364	1721	2065	2642	2883	CSR	Unit Drawing CUCA0036			

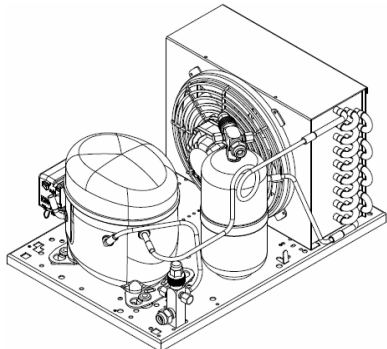
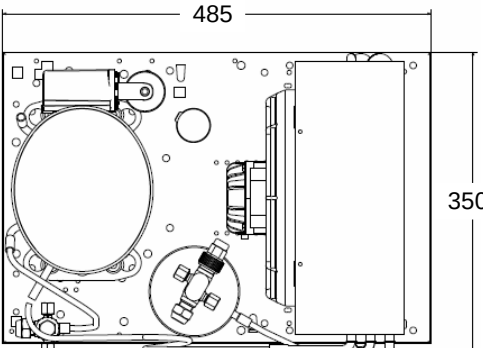
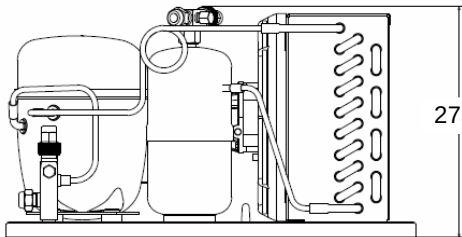
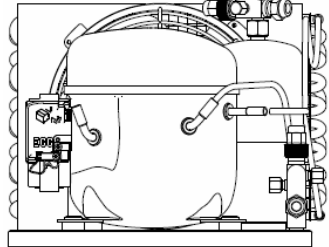
Note: Unit models with "6PNB" suffix are factory fitted with a Dual Pressure Control, Liquid Line Drier & Sight Glass.



CUBIGEL HERMETIC CONDENSING UNITS

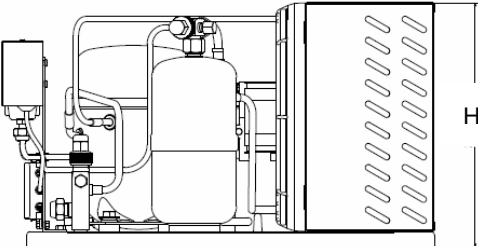
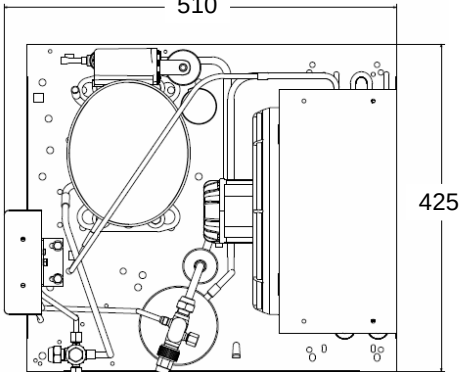
Cubigel Condensing Unit Dimensions

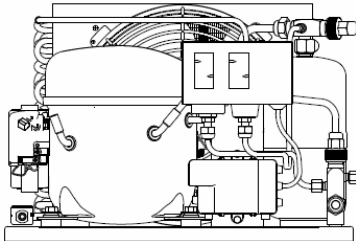
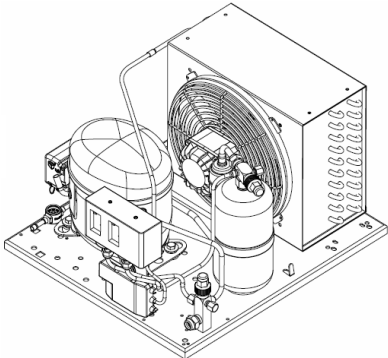
Condensing Unit Model	Overall Unit Dimensions (mm)			CUCA0031	
	W	D	H		
R134A & R513A Medium Temperature					
CGUY60RAB3NB	345	485	260		

Condensing Unit Model	Overall Unit Dimensions (mm)			CUCA0032	
	W	D	H		
R134A & R513A Medium Temperature					
CGLY60RAB3NB	350	485	275		
CGLY80RAB3NB	350	485	275		
CGLY90RAB3NB	350	485	275		
CGPY12RAB3NB	350	485	275		
R404A Low Temperature					
CMLY60LAB3NB	350	485	275		
CMLY80LAB3NB	350	485	275		
CMLY90LAB3NB	350	485	275		
CMPT12LA3NB	350	485	275		
R404A & R449A Medium Temperature					
CMLY60RAB3NB	350	485	275		
CMLY80RAB3NB	350	485	275		

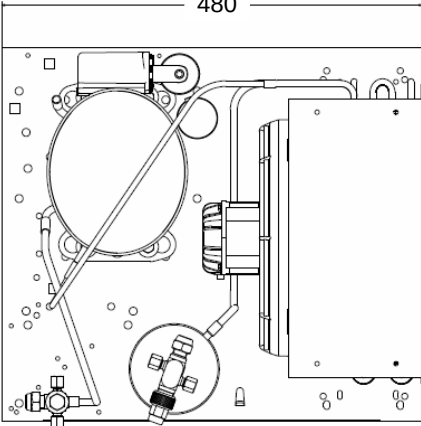
CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)

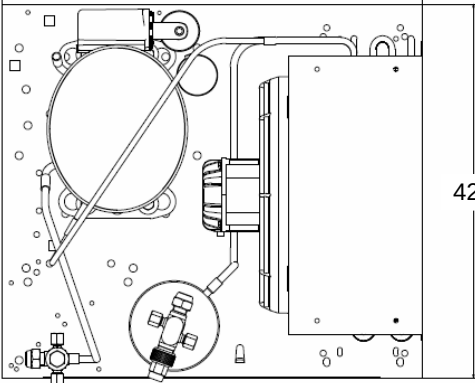
Condensing Unit Model	Overall Unit Dimensions (mm)			CUCA0033
	W	D	H	
R134A & R513A Medium Temperature				
CGPY14RA6PNB	425	510	290	
CGPY16RA6PNB	425	510	290	
R404A Low Temperature				
CMPT14LA6PNB	425	510	275	
CMPT16LA6PNB	425	510	290	



Condensing Unit Model	Overall Unit Dimensions (mm)		
	W	D	H
R404A & R449A Medium Temperature			
CMLY90RAB3NB	425	480	290

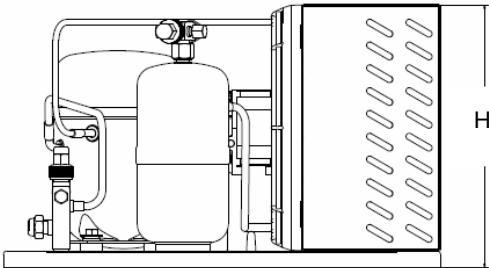


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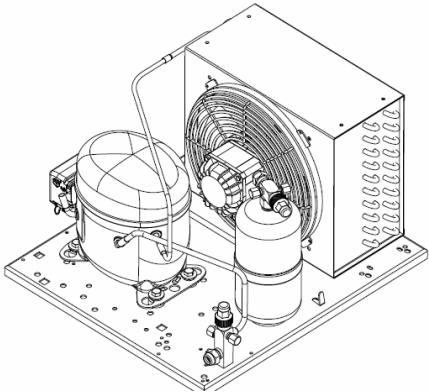


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CUCA0034

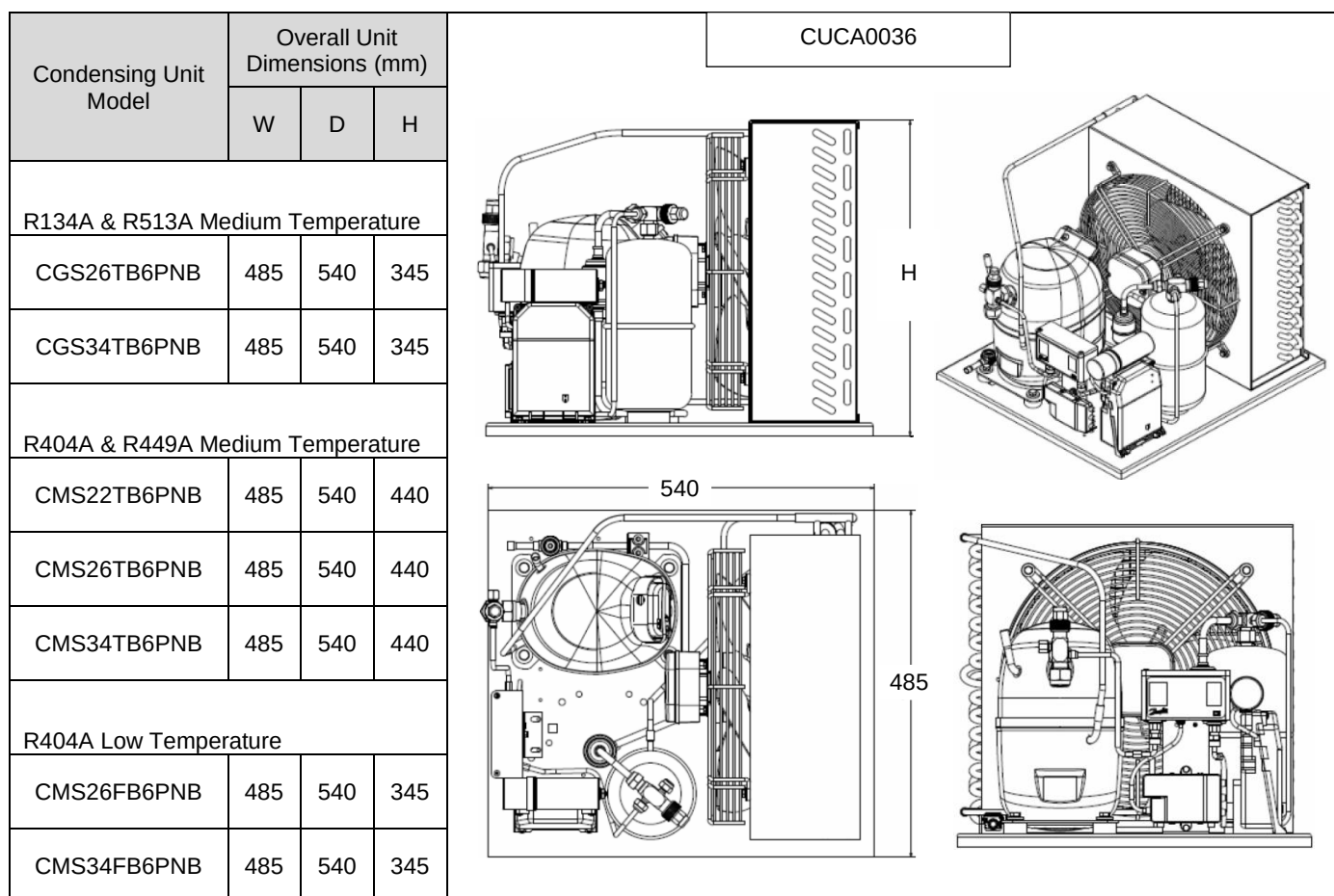
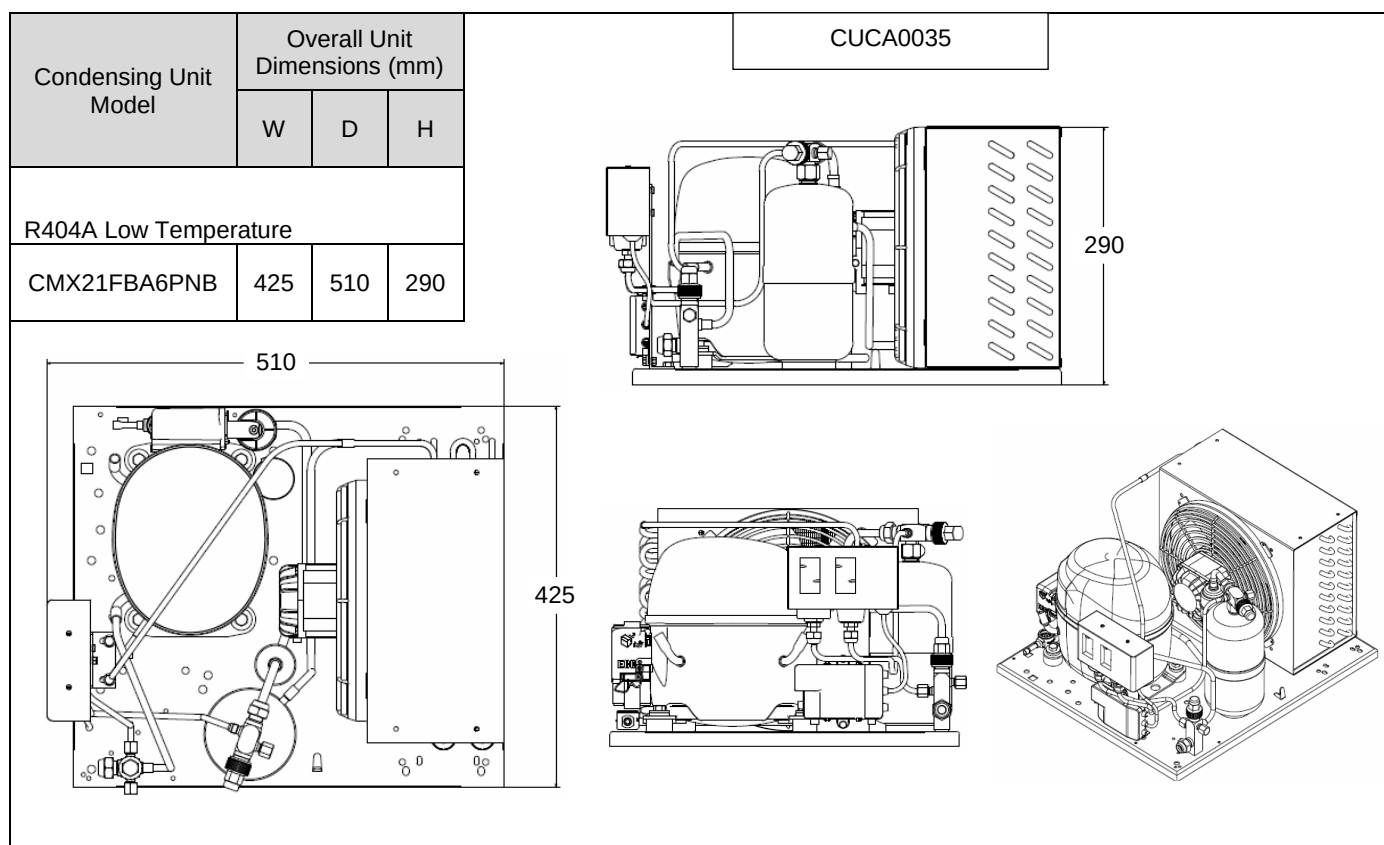


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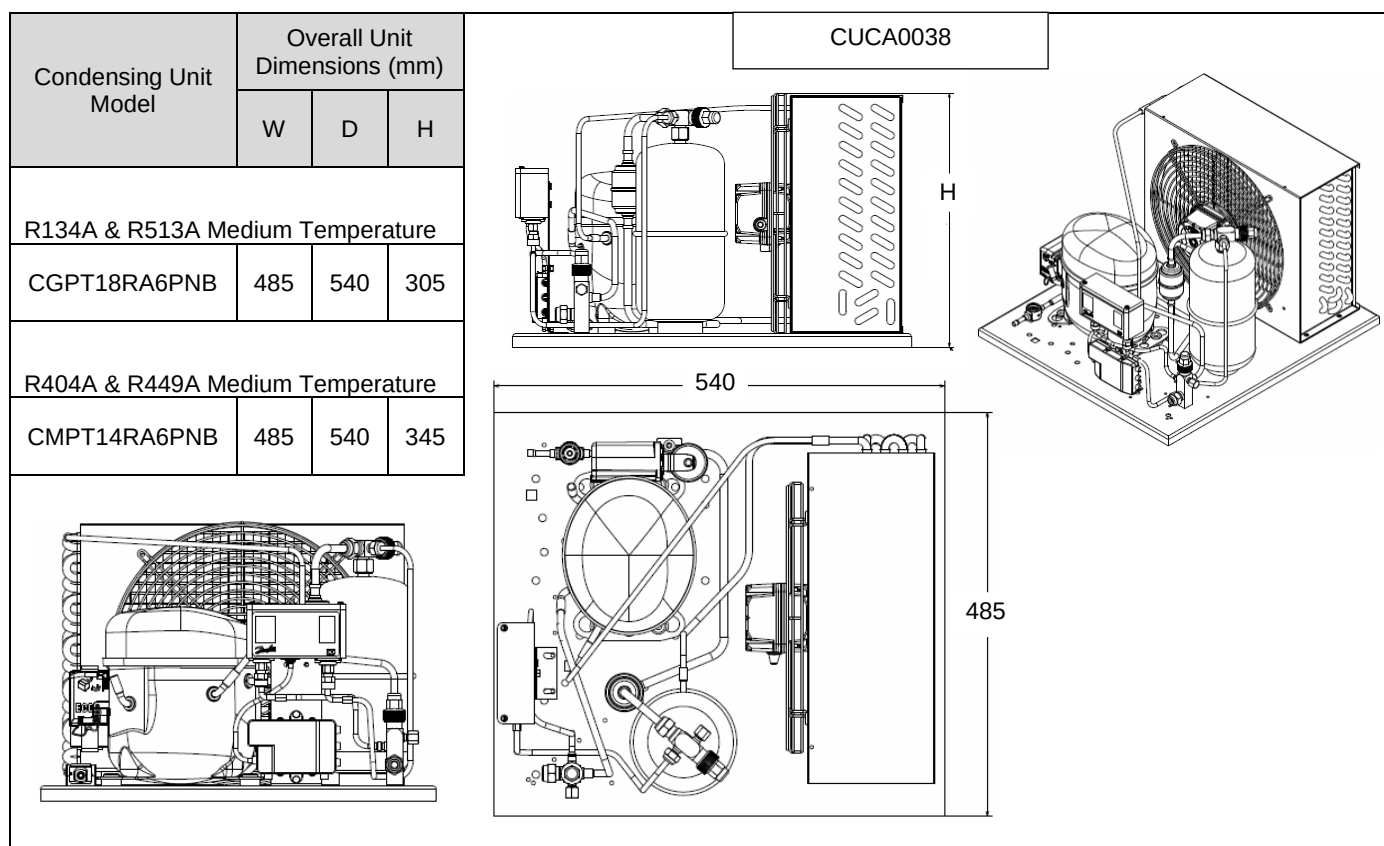
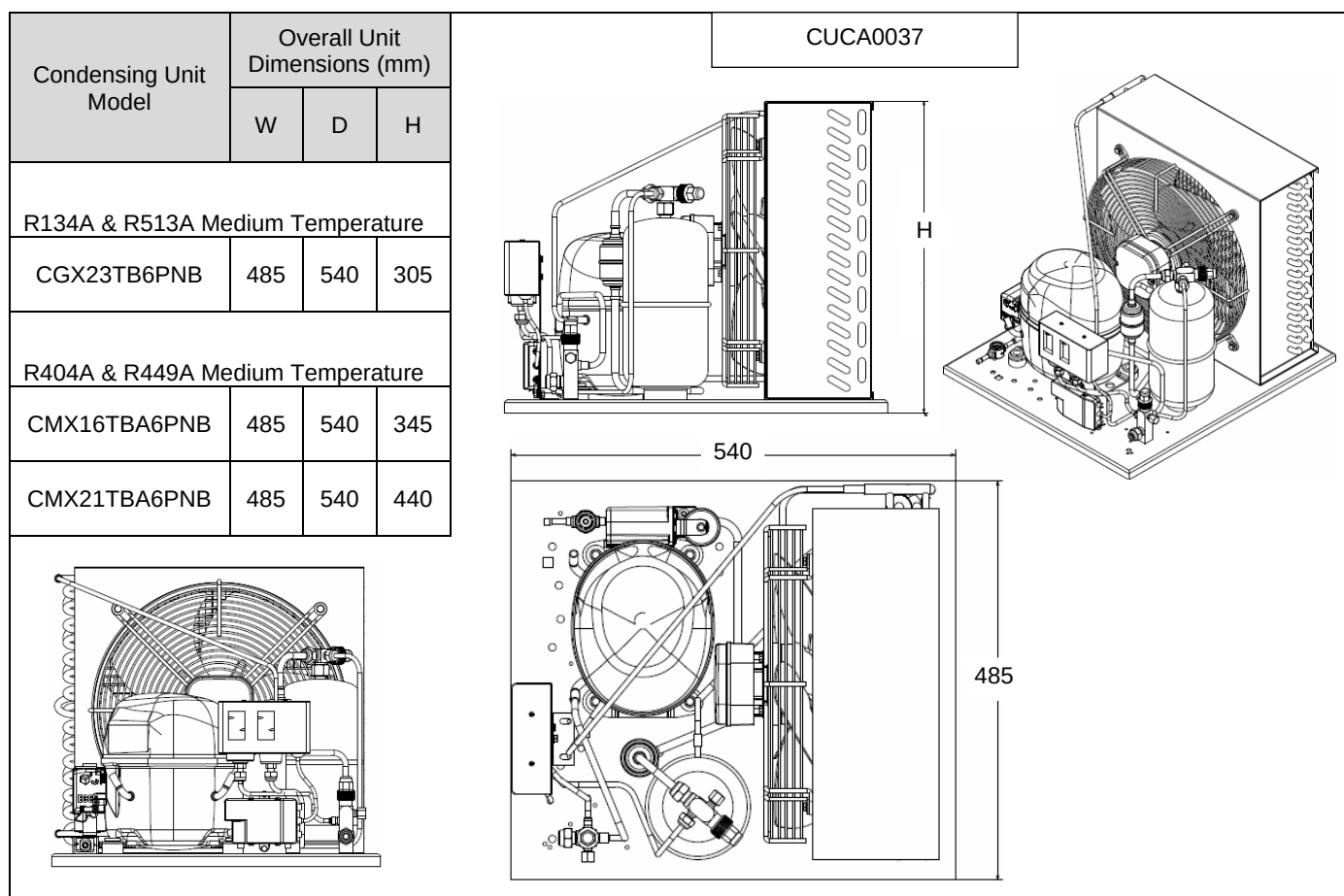
CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)



CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)



CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)

Condensing Unit Model	Overall Unit Dimensions (mm)		
	W	D	H
R404A & R449A Medium Temperature			
CMPT12RA3NB	485	540	345

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CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)

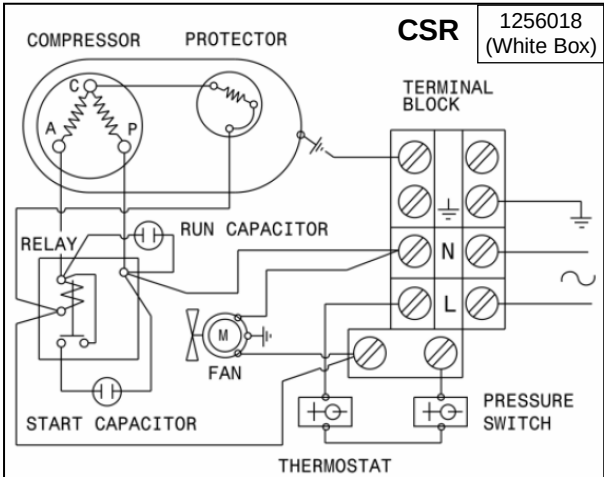
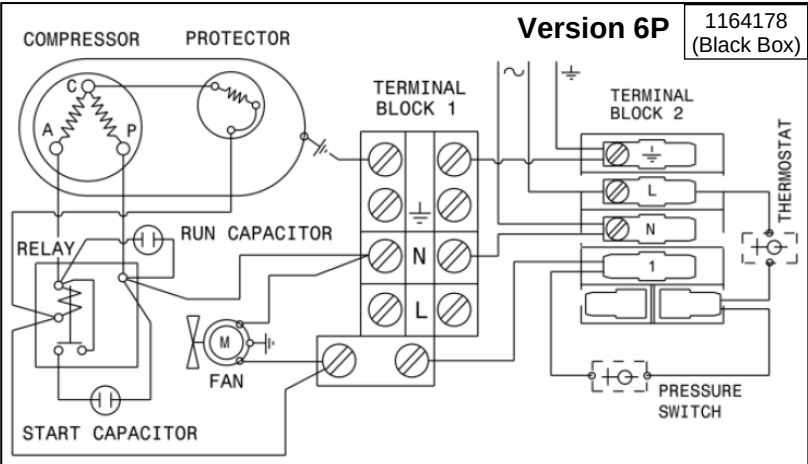
Condensing Unit Model	CSR Electrical Diagram (V3 & V3P)
R134A & R513A Med Temp	
CGUY60RAB3NB	
CGLY60RAB3NB	
CGLY80RAB3NB	
CGLY90RAB3NB	
CGPY12RAB3NB	
R404A & R449A Med Temp	
CMLY60RAB3NB	
CMLY80RAB3NB	
CMLY90RAB3NB	
CMPT12RA3NB	
R404A Low Temp	
CMLY60LAB3NB	
CMLY80LAB3NB	
CMLY90LAB3NB	
CMPT12LA3NB	

Condensing Unit Model	CSIR / RSIR Electrical Diagram
R134A & R513A Med Temp	
CGPY14RA6PNB	
CGPY16RA6PNB	
CGPT18RA6PNB	
CGX23TB6PNB	
R404A & R449A Med Temp	
CMPT14RA6PNB	
CMX16TBA6PNB	
CMX21TBA6PNB	
R404A Low Temp	
CMPT14LA6PNB	
CMPT16LA6PNB	
CMX21FBA6PNB	

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CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Dimensions (cont'd)

Condensing Unit Model	CSR (*CSIR) Electrical Diagram – Version 6P (1 x Black & 1 x White electrical boxes)
R134A & R513A Med Temp *CGS26TB6PNB (CSIR has no run capacitor) CGS34TB6PNB	 *Note: CGS26TB6PNB (CSIR) does not have the Run Capacitor shown in diagrams
R404A & R449A Med Temp CMS22TB6PNB CMS26TB6PNB CMS34TB6PNB	
R404A Low Temp CMS26FB6PNB CMS34FB6PNB	

Cubigel Condensing Unit Spares

R404A Low Temp	Airefrig Part Number	Condenser Fan Motor	Airefrig Part Number	Condenser Fan Blade	Airefrig Part Number	Danfoss Dual Pressure Control (Aust)
CMLY60LAB3NB	103402	IQ-IQ23608 220-240V High Efficiency Motor	101528	172mm Diam. 28° Pitch	-	-
CMLY80LAB3NB	103402	IQ-IQ23608 220-240V High Efficiency Motor	101529	200mm Diam. 28° Pitch	-	-
CMLY90LAB3NB	103402	IQ-IQ23608 220-240V High Efficiency Motor	101529	200mm Diam. 28° Pitch	-	-
CMPT12LA3NB	103403	IQ-IQ23612220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	-	-
CMPT14LA6PNB	103403	IQ-IQ23612220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	60124191	KP15 060-124191
CMPT16LA6PNB	103403	IQ-IQ23612220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	60124191	KP15 060-124191
CMX21FBA6PNB	102547	10/40W 230V 50/60HZ C/T CBL/C (CE)	101531	230mm Diam. 31° Pitch	60124191	KP15 060-124191
CMS26FB6PNB	101549	25W 230V 50/60Hz UH/CAJA	101534	300mm Diam. 19° Pitch	60124191	KP15 060-124191
CMS34FB6PNB	101549	25W 230V 50/60Hz UH/CAJA	101534	300mm Diam. 19° Pitch	60124191	KP15 060-124191

CUBIGEL HERMETIC CONDENSING UNITS

Cubigel Condensing Unit Spares (cont'd)

R404A & R449A Medium Temp	Airefrig Part Number	Condenser Fan Motor	Airefrig Part Number	Condenser Fan Blade	Airefrig Part Number	Danfoss Dual Pressure Control (Aust)
CMLY60RAB3NB	103403	IQ-IQ23612 220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	-	-
CMLY80RAB3NB	103403	IQ-IQ23612 220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	-	-
CMLY90RAB3NB	103404	IQ-IQ23620 220-240V High Efficiency Motor	101532	254mm Diam. 34° Pitch	-	-
CMPT12RA3NB	103404	IQ-IQ23620 220-240V High Efficiency Motor	101533	300mm Diam. 25° Pitch	-	-
CMPT14RA6PNB	103404	IQ-IQ23620 220-240V High Efficiency Motor	101533	300mm Diam. 25° Pitch	60124191	KP15 060-124191
CMX16TBA6PNB	102624	25/115W 220-240V 50/60Hz C/T CBL/C	101533	300mm Diam. 25° Pitch	60124191	KP15 060-124191
CMX21TBA6PNB	103401	Complete motor assy 230V 85W 50Hz (300mm fan blade) (Note: Part No.103401 suit units made after November 2015)			60124191	KP15 060-124191
CMS22TB6PNB	103401	Complete motor assy 230V 85W 50Hz (300mm fan blade) (Note: Part No.103401 suit units made after November 2015)			60124191	KP15 060-124191
CMS26TB6PNB	103400	Complete motor assy 230V 130W 50Hz (350mm blade) (Note: Part No. 103400 suit units made after November 2015)			60124191	KP15 060-124191
CMS34TB6PNB	103400	Complete motor assy 230V 130W 50Hz (350mm blade) (Note: Part No. 103400 suit units made after November 2015)			60124191	KP15 060-124191

R134A & R513A Medium Temp	Airefrig Part Number	Condenser Fan Motor	Airefrig Part Number	Condenser Fan Blade	Airefrig Part Number	Danfoss Dual Pressure Control (Aust)
CGLY60RAB3NB	103402	IQ-IQ23608 220-240V High Efficiency Motor	101529	200mm Diam. 28° Pitch	-	-
CGUY60RAB3NB	105232	25W 100-240V 50/60Hz EC High Efficiency Motor	101529	200mm Diam. 28° Pitch	-	-
CGLY80RAB3NB	103402	IQ-IQ23608 220-240V High Efficiency Motor	101529	200mm Diam. 28° Pitch	-	-
CGLY90RAB3NB	103403	IQ-IQ23612 220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	-	-
CGPY12RAB3NB	103403	IQ-IQ23612 220-240V High Efficiency Motor	101531	230mm Diam. 31° Pitch	-	-
CGPY14RA6PNB	103402	IQ-IQ23620 220-240V High Efficiency Motor	101532	254mm Diam. 34° Pitch	60124191	KP15 060-124191
CGPY16RA6PNB	103402	IQ-IQ23620 220-240V High Efficiency Motor	101532	254mm Diam. 34° Pitch	60124191	KP15 060-124191
CGPT18RA6PNB	103403	IQ-IQ23620 220-240V High Efficiency Motor	101532	254mm Diam. 34° Pitch	60124191	KP15 060-124191
CGX23TB6PNB	102624	25/115W 220-240V 50/60Hz C/T CBL/C	101532	254mm Diam. 34° Pitch	60124191	KP15 060-124191
CGS26TB6PNB	101549	25W 230V 50/60Hz UH/CAJA	101534	300mm Diam. 19° Pitch	60124191	KP15 060-124191
CGS34TB6PNB	101549	25W 230V 50/60Hz UH/CAJA	101534	300mm Diam. 19° Pitch	60124191	KP15 060-124191

