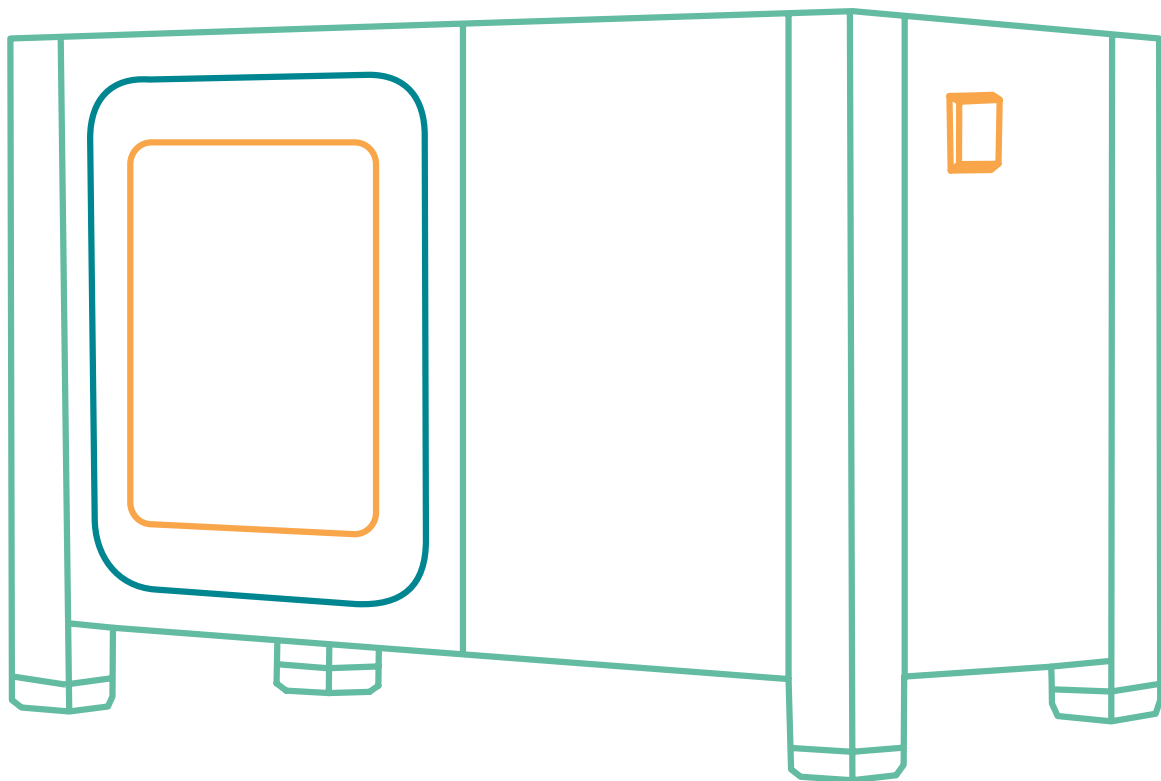


BIOMA CONDENSING UNITS

AN EMBRACO INNOVATIVE SOLUTION FOR
COMMERCIAL REFRIGERATION



Multi-Refrigerant Platform

● R404A ● R452A ● R449A

● R134a ● R513A

embraco
 Cooling Solutions



BIOMA



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01

BIOMA
PRODUCT FEATURES

02

BIOMA
PRODUCTS INFO

03

GENERAL DATA
& PERFORMANCE

04

DIGITAL TOOLS



HIGH EFFICIENCY RANGE: FROM 0.5 Kw TO 10 Kw

0.5 Kw **LBPR404A - R449A - R452A** 4 Kw

0.7 Kw **MBP R134a - R513A** 6 Kw

0.7 Kw **MBP R404A - R449A - R452A** 10 Kw

BIOMA RANGE MAIN FEATURES



PERFORMANCE AND OPTIMIZED SOUND LEVEL

- Robust design to absorb vibration and noise
- Sound level as low as 28 dB (A)
- Acoustic jacket on scroll compressors
- Fan speed controller as standard
- 5 Faces insulated with acoustic foam



ACCESSIBILITY

- 3 door access on hinges – ¼ turn door lock to open
- Direct access to components you can set or change
- Direct access to fan and condenser



INNOVATIVE DESIGN

- Hidden fan - Stylish design for a new experience
- Unique airflow management
- Mini channel condenser – 40% less refrigerant charge



COMPACTNESS

- Optimized dimensions to reduce surface area (<0.6m²)
- 1 fan design for all housing sizes
- Stackability: Unique offer to stack units from different dimensions



FLEXIBILITY

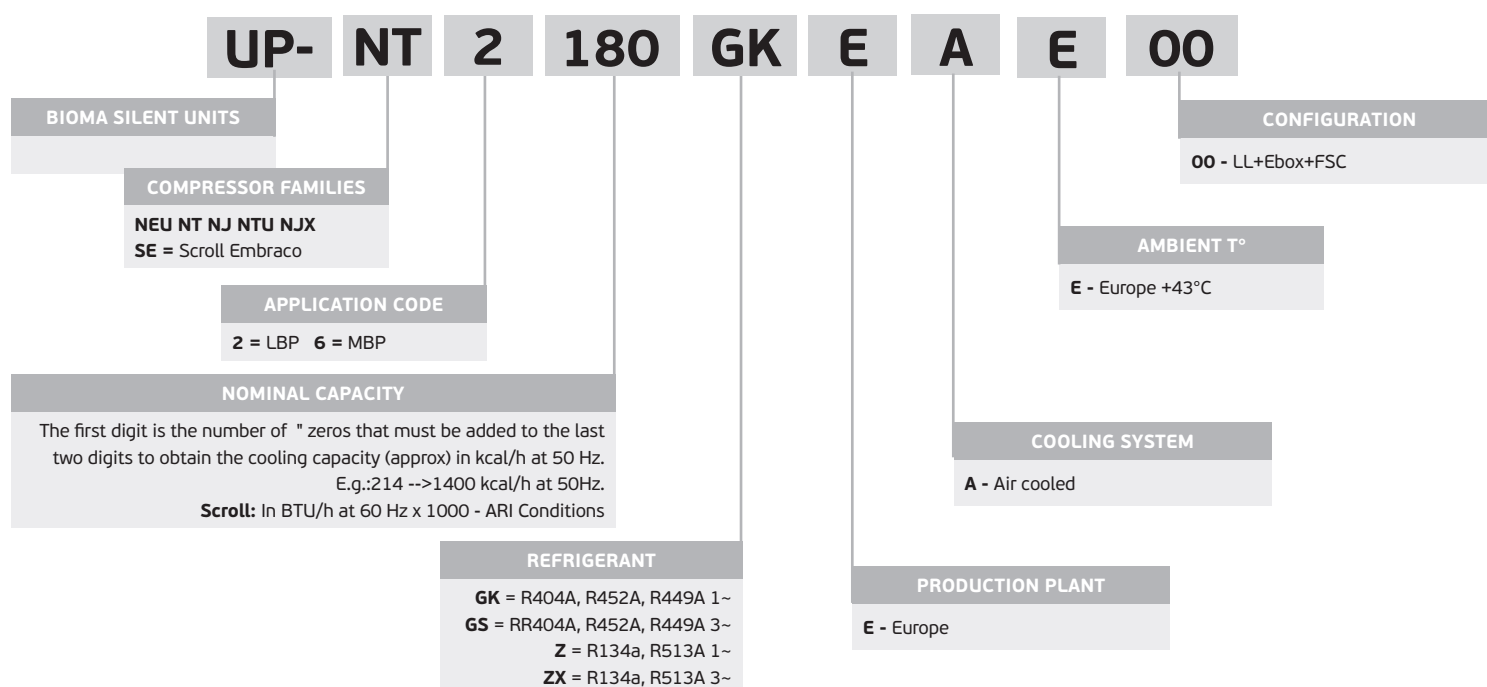
- Multi-Refrigerant platform:
R404A, R449A, R452A, R134a, R513A
- Fully equipped electrical box
- Condenser treatment against corrosive environment
- Available with the complete range of Embraco hermetic and scroll compressors

THREE SIZES: A COMPLETE RANGE

HOUSING	DIMENSIONS (mm)	
1	982 x 484 x 600	
2	1082 x 490 x 708	
3	1277 x 538 x 1005	

NOMENCLATURE

MODEL DESCRIPTION



REFRIGERANTS MAP AND EQUIPMENT LEVEL

APPLICATION	SUPPLY	HOUSING	MODEL	R404A	R452A	R449A	R134A	R513A	EEO					
									Low noise fan	Fan speed control	Liquid line	Fully equipped electr. box	Acoustic foam in compressor compart.	Acoustic jacket
MBP	1~	1	UP-NEU6212GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NEU6215GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NEU6220GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NT6224GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NT6226GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NJ9232GK	●	●	●			✓	✓	✓	✓	✓	
			UP-NTU6238GKV	●	●	●			✓	✓	✓	✓	✓	
		2	UP-SE6015GK	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6018GK	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6021GK	●	●	●	●	●	✓	✓	✓	✓	✓	✓
	3~	1	UP-NJ9232GS	●	●	●			✓	✓	✓	✓	✓	
			UP-NJ9238GS	●	●	●			✓	✓	✓	✓	✓	
		2	UP-NJX6250GS	●	●	●			✓	✓	✓	✓	✓	
			UP-SE6015GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6018GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6021GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
		3	UP-SE6026GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6030GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6036GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
			UP-SE6043GS	●	●	●	●	●	✓	✓	✓	✓	✓	✓
	1~	1	UP-NEU6214Z				●	●	✓	✓	✓	✓	✓	
			UP-NJ6220Z				●	●	✓	✓	✓	✓	✓	
			UP-NJ6226Z				●	●	✓	✓	✓	✓	✓	
			UP-NJ6226ZX				●	●	✓	✓	✓	✓	✓	
LBP	1~	1	UP-NT2180GK	●	●				✓	✓	✓	✓	✓	
			UP-NT2192GK	●	●				✓	✓	✓	✓	✓	
			UP-NT2212GK	●	●				✓	✓	✓	✓	✓	
		2	UP-SE2006GK	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2008GK	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2010GK	●	●	●			✓	✓	✓	✓	✓	✓
	3~	2	UP-NJX2219GS	●	●	●			✓	✓	✓	✓	✓	
			UP-SE2006GS	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2008GS	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2010GS	●	●	●			✓	✓	✓	✓	✓	✓
		3	UP-SE2012GS-0	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2014GS-0	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2017GS-0	●	●	●			✓	✓	✓	✓	✓	✓
			UP-SE2020GS-0	●	●	●			✓	✓	✓	✓	✓	✓

GENERAL DATA & PERFORMANCE

SR	INPUT (W)					ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		-10°C	-5°C	0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
		484	514	544	572	601	COP	1,73	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
		503	539	574	610	646																			
		521	562	604	645	688																			
		538	584	629	676	724																			
		613	669	726	787	853																			
		636	697	762	832	909	COP	1,82	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
		658	725	797	877	965																			
		677	750	830	919	1017																			
		845	914	991	1074	1158																			
		860	950	1029	1111	1193																			
		905	980	1058	1138	1215	COP	1,6	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8
		928	1003	1079	1155	1227																			
		937	1010	1086	1167	1252																			
		973	1055	1140	1230	1324																			
		1007	1095	1187	1283	1383																			
		1037	1129	1225	1325	1430	COP	1,79	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	12	8	1/2	3/8
		983	1070	1162	1261	1369																			
		1028	1121	1220	1326	1441																			
		1067	1166	1271	1383	1504																			
		1099	1203	1314	1431	1557																			
		1214	1320	1432	1555	1690	COP	1,64	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8
		1227	1344	1470	1606	1755																			
		1236	1362	1498	1644	1804																			
		1242	1374	1516	1670	1838																			
		1129	1236	1352	1479	1624																			
		1150	1275	1409	1558	1724	COP	1,85	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	8
		1170	1308	1458	1622	1806																			
		1188	1336	1496	1673	1870																			
		1124	1210	1301	1400	1508																			
		1192	1289	1393	1505	1626																			
		1246	1354	1468	1591	1724	COP	1,97	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8
		1288	1404	1527	1659	1801																			
		1354	1483	1624	1780	1957																			
		1377	1525	1685	1862	2062																			
		1399	1560	1735	1929	2148																			
		1417	1588	1775	1982	-	COP	1,87	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8
		1722	1891	2071	2264	2470																			
		1817	1998	2191	2396	2615																			
		1892	2088	2296	2516	2750																			
		1953	2165	2389	2625	2874																			
		1833	1972	2116	2264	2414	COP	1,88	1082	490	708	88	34	65	1	400	2673	120	230/1/50	0,71	3,9	16	10	5/8	3/8
		2020	2172	2329	2490	2653																			
		2197	2359	2527	2699	2872																			
		2360	2530	2707	2887	3069																			
		1802	1938	2080	2225	2372																			
		1986	2134	2288	2446	2606	COP	1,89	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2
		2159	2318	2483	2651	2822																			
		2319	2486	2659	2836	3014																			
		2122	2285	2454	2628	2805																			
		2340	2518	2702	2891	3083																			
		2547	2736	2933	3135	3339	COP	1,91	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		2736	2936	3142	3354	3567																			
		2020	2174	2334	2499	2666																			
		2226	2394	2569	2748	2929																			
		2422	2601	2788	2978	3171																			
		2601	2790	2985	3185	3387	COP	2,02	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		2272	2454	2645	2842	3044																			
		2503	2701	2907	3120	3336																			
		2723	2933	3152	3377	3606																			
		2925	3145	3373	3609	3848																			
		2823	3024	3232	3444	3656	SEPR	3,12	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		3108	3329	3558	3789	4022																			
		3377	3615	3859	4108	4357																			
		3623	3874	4131	4393	4655																			
		3125	3359	3602	3851	4104																			
		3440	3695	3960	4231	4505	SEPR	3,14	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		3737	4010	4293	4582	4874																			
		4010	4297	4594	4897	5202																			
		3664	3933	4211	4494	4779																			
		4040	4335	4639	4948	5260																			
		4394	4710	5036	5367	5700	SEPR	3,35	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8
		4719	5051	5394	5743	6093																			
		4426	4772	5135	5508	5888																			
		4878	5256	5649	6052	6463																			
		5307	5710	6128	6557	6991																			
		5701	6123	6561	7009	7463	SEPR	3,21	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

FR	INPUT (W)					ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		-10°C	-5°C	0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
		480	511	541	571	602	-	-	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
	498	535	571	608	647																				
	515	557	599	643	689																				
	531	577	624	673	725																				
	608	664	722	785	854																				
	629	691	757	829	910	-	-	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4	
	649	717	791	873	966																				
	667	741	823	914	1018																				
	837	906	984	1069	1158																				
	866	940	1021	1106	1193																				
	892	968	1049	1132	1214	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8	
	914	990	1069	1149	1226																				
	929	1002	1080	1164	1254																				
	963	1045	1133	1226	1325																				
	995	1083	1177	1278	1384																				
	1022	1115	1214	1319	1431	-	-	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	12	8	1/2	3/8	
	974	1061	1155	1258	1371																				
	1016	1110	1211	1322	1443																				
	1053	1153	1260	1378	1506																				
	1083	1188	1302	1424	1558																				
	1203	1309	1424	1550	1692	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	1214	1332	1460	1601	1757																				
	1221	1348	1486	1637	1805																				
	1226	1359	1504	1663	1838																				
	1119	1226	1343	1474	1627																				
	1138	1262	1398	1551	1726	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	8	
	1156	1294	1445	1614	1807																				
	1171	1319	1482	1664	1871																				
	1111	1197	1291	1395	1511																				
	1175	1274	1380	1498	1629																				
	1228	1336	1454	1583	1725	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	1267	1384	1511	1649	1802																				
	1341	1470	1612	1773	1959																				
	1361	1508	1670	1853	2064																				
	1380	1541	1719	1919	2148																				
	1396	1568	1757	1971	-	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	1704	1872	2054	2253	2469																				
	1793	1976	2172	2385	2617																				
	1867	2065	2277	2505	2751																				
	1925	2138	2364	2607	2867																				
	1807	1948	2097	2254	2420	-	-	1082	490	708	88														

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

[illegible]

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

ER	INPUT (W)					ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		-10°C	-5°C	0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
		450	471	495	524	559	-	-	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
	457	492	527	566	610																				
	473	515	557	601	649																				
	494	539	585	631	679																				
	560	610	663	721	786																				
	585	640	700	768	844	-	-	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4	
	608	669	738	815	903																				
	-	697	773	859	957																				
	783	847	919	998	1080																				
	818	887	963	1043	1123																				
	848	920	998	1077	1156	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8	
	-	947	1025	1103	1180																				
	861	926	995	1069	1148																				
	902	976	1054	1137	1226																				
	938	1019	1105	1196	1292																				
	-	1055	1147	1244	1347	-	-	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	12	8	1/2	3/8	
	896	973	1057	1150	1253																				
	945	1031	1123	1224	1335																				
	987	1080	1180	1288	1405																				
	-	1119	1225	1339	1462																				
	1020	1112	1211	1321	1445	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	1057	1164	1279	1408	1555																				
	1088	1209	1342	1489	1655																				
	-	1248	1395	1559	1744																				
	1030	1128	1233	1351	1489																				
	1064	1176	1300	1441	1607	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	8	
	1092	1219	1360	1523	1714																				
	-	1255	1412	1594	1808																				
	1032	1110	1195	1290	1397																				
	1103	1194	1293	1402	1522																				
	1160	1262	1373	1494	1627	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	-	1314	1435	1567	1711																				
	1239	1356	1484	1630	1804																				
	1276	1410	1559	1732	1939																				
	1307	1456	1626	1824	2061																				
	-	-	1684	1904	-	-	-	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8	
	1591	1751	1923	2109	2312																				
	1684	1860	2049	2254	2476																				
	1763	1956	2163	2386	2627																				
	-	2036	2260	2500	2759																				
	1706	1838	1981	2137	2306	-	-	1082	490	708	92	33	64	1	400	2673									

Note: Subject to modification without prior notification.

ER	INPUT (W)					ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		-10°C	-5°C	0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
		474	504	535	567	601	COP	1,74	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
		496	532	568	606	644																			
		517	557	598	640	683																			
		536	579	624	669	715																			
		599	654	714	778	849																			
		627	687	752	823	900	COP	1,84	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
		652	717	788	865	949																			
		674	743	819	902	994																			
		835	898	971	1049	1130																			
		872	941	1016	1095	1172																			
		905	977	1053	1129	1202	COP	1,6	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8
		934	1007	1081	1154	1222																			
		921	989	1062	1138	1217																			
		964	1041	1121	1204	1289																			
		1003	1086	1173	1262	1353																			
		1037	1126	1217	1311	1407	COP	1,8	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	12	8	1/2	3/8
		964	1046	1134	1228	1328																			
		1017	1105	1198	1297	1402																			
		1062	1156	1256	1360	1471																			
		1100	1200	1306	1416	1532																			
		1205	1307	1414	1528	1653	COP	1,86	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	12	8	1/2	3/8
		1230	1340	1457	1584	1721																			
		1247	1365	1492	1628	1777																			
		1259	1384	1518	1663	1821																			
		1117	1220	1328	1447	1579																			
		1148	1265	1391	1528	1680	COP	1,87	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	8
		1176	1305	1445	1598	1768																			
		1199	1339	1491	1658	1842																			
		1107	1188	1272	1363	1460																			
		1183	1274	1370	1473	1582																			
		1244	1346	1454	1568	1689	COP	1,99	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8
		1293	1405	1523	1648	1779																			
		1348	1471	1602	1746	1908																			
		1382	1520	1669	1834	2018																			
		1411	1563	1728	1910	2113																			
		1436	1599	1777	1974	-	COP	1,89	982	484	600	76	30	61	1	350	1523	67	230/1/50	0,45	2,3	16	8	5/8	3/8
		1710	1880	2056	2238	2421																			
		1819	1997	2181	2367	2554																			
		1907	2098	2292	2487	2680																			
		1978	2183	2389	2594	2795																			
		1752	1872	1998	2129	2264	COP	1,95	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	5/8	1/2
		1951	2079	2212	2348	2486																			
		2144	2279	2417	2557	2698																			
		2321	2462	2605	2748	2891																			
		1722	1840	1964	2093	2225																			
		1918	2043	2173	2307	2442	COP	1,99	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2
		2107	2239	2375	2512	2650																			
		2281	2419	2558	2699	2840																			
		2030	2171	2320	2475	2634																			
		2263	2413	2569	2730	2893																			
		2488	2647	2809	2974	3140	COP	2	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		2695	2860	3028	3197	3365																			
		1932	2066	2207	2354	2505																			
		2153	2295	2443	2595	2749																			
		2366	2516	2669	2826	2983																			
		2561	2717	2876	3036	3195	SEPR	2,94	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		2299	2467	2644	2828	3017																			
		2564	2742	2927	3117	3311																			
		2819	3006	3198	3393	3590																			
		3052	3247	3444	3643	3843																			
		2178	2336	2503	2677	2855	SEPR	3,11	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		2427	2595	2769	2949	3131																			
		2667	2843	3024	3208	3394																			
		2886	3069	3255	3443	3631																			
		2693	2869	3053	3244	3439																			
		2995	3181	3374	3572	3773	SEPR	3,27	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		3287	3484	3684	3888	4093																			
		3555	3761	3969	4178	4386																			
		2985	3188	3402	3624	3852																			
		3321	3536	3760	3990	4223																			
		3645	3872	4104	4341	4579	SEPR	3,3	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		3942	4179	4419	4660	4902																			
		3498	3733	3980	4236	4498																			
		3896	4146	4404	4669	4938																			
		4282	4545	4813	5086	5361																			
		4635	4910	5188	5467	5746	SEPR	3,51	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8
		4236	4538	4856	5187	5528																			
		4721	5042	5374	5717	6065																			
		5189	5526	5871	6223	6578																			
		5617	5968	6324	6682	7042																			

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

ER	INPUT (W)			ECO DESIGN		DIMENSIONS (MM)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
		578	639	706	COP	1,79	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4
		605	668	738																			
		630	696	768																			
		651	720	796																			
		861	939	1037	COP	1,6	982	484	600	69	29	60	1	350	1695	67	230/1/51	0,23	1,6	12	6	1/2	1/4
		892	982	1093																			
		918	1020	1142																			
		940	1051	1182																			
		1062	1182	1322	COP	1,72	982	484	600	69	29	60	1	350	1695	67	230/1/52	0,23	1,6	12	6	1/2	1/4
		1104	1232	1381																			
		1134	1272	1429																			
		1156	-	-																			
		1004	1117	1242	COP	1,98	982	484	600	69	29	60	1	350	1695	67	230/1/53	0,23	1,6	12	6	1/2	1/4
		1049	1174	1310																			
		1089	1224	1369																			
		1122	-	-																			
		1186	1259	1331	COP	1,97	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2
		1298	1381	1464																			
		1400	1491	1583																			
		1490	1589	1688																			
		1167	1239	1309	COP	2,00	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2
		1277	1359	1440																			
		1377	1467	1557																			
		1466	1563	1660																			
		1368	1454	1539	COP	2,04	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		1498	1596	1694																			
		1616	1724	1833																			
		1722	1839	1956																			
		1305	1386	1467	COP	2,14	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		1429	1522	1614																			
		1541	1643	1746																			
		1641	1752	1862																			
		1536	1639	1743	COP	2,06	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		1681	1798	1915																			
		1814	1942	2071																			
		1933	2071	2209																			
		1459	1556	1654	COP	2,17	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2
		1596	1706	1817																			
		1721	1842	1964																			
		1834	1963	2094																			
		1841	1945	2045	COP	2,18	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		2014	2134	2250																			
		2170	2303	2433																			
		2308	2452	2594																			
		2025	2146	2265	COP	2,25	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8
		2215	2353	2490																			
		2386	2539	2691																			
		2539	2704	2869																			
		2381	2524	2664	SEPR	3,21	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8
		2609	2773	2934																			
		2815	2996	3176																			
		2998	3194	3389																			
		2851	3038	3225	SEPR	3,18	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8
		3123	3334	3547																			
		3369	3602	3836																			
		3590	3840	4093																			

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

R	INPUT (W)				ECO DESIGN		DIMENSIONS (MM)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS				
		0°C	+5°C	+10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")	
		577	638	706	-	-	982	484	600	67	28	59	1	350	1695	67	230/1/50	0,23	1,6	10	6	3/8	1/4	
		603	667	738																				
		627	694	768																				
		648	718	796																				
		858	936	1037	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/51	0,23	1,6	12	6	1/2	1/4	
		888	980	1093																				
		914	1017	1141																				
		936	1047	1180																				
		1057	1179	1323	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/52	0,23	1,6	12	6	1/2	1/4	
		1100	1230	1381																				
		1129	1267	1424																				
		1147	-	-																				
		1000	1115	1243	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/53	0,23	1,6	12	6	1/2	1/4	
		1044	1171	1310																				
		1083	1220	1367																				
		1114	-	-																				
		1183	1256	1330	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2	
		1292	1377	1464																				
		1394	1489	1585																				
		1484	1585	1688																				
		1164	1236	1309	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	12	3/4	1/2	
		1271	1355	1440																				
		1371	1464	1558																				
		1459	1559	1660																				
		1364	1450	1538	-	-	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2	
		1491	1592	1694																				
		1610	1721	1835																				
		1714	1834	1955																				
		1301	1383	1466	-	-	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2	
		1422	1517	1614																				
		1535	1640	1748																				
		1634	1747	1862																				
		1530	1634	1741	-	-	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2	
		1673	1793	1916																				
		1806	1938	2073																				
		1923	2063	2206																				
		1453	1551	1653	-	-	1082	490	708	92	33	64	1	400	2545	120	230/1/50	0,91	3,9	18	12	3/4	1/2	
		1588	1701	1818																				
		1714	1838	1965																				
		1825	1957	2092																				
		1839	1942	2045	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8	
		2005	2127	2250																				
		2161	2298	2436																				
		2299	2448	2596																				
		2020	2142	2264	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	16	7/8	5/8	
		2204	2346	2490																				
		2376	2534	2694																				
		2528	2698	2870																				
		2377	2519	2663	-	-	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8	
		2597	2765	2934																				
		2803	2991	3179																				
		2986	3187	3390																				
		2841	3029	3223	-	-	1277	538	1005	107	36	67	1	500	4739	220	230/1/50	2,23	6	22	16	7/8	5/8	
		3107	3325	3548																				
		3355	3595	3840																				
		3573	3829	4090																				

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GENERAL DATA & PERFORMANCE

			ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS			
	-15°C	-10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
	849	954	COP	0,98	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	6	1/2	1/4
	894	1001																			
	921	1026																			
	933	1033																			
	913	1025	COP	1	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8
	957	1079																			
	992	1121																			
	1016	1151																			
	1135	1274	COP	1,09	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	16	8	1/2	3/8
	1193	1341																			
	1239	1391																			
	1270	1425																			
	1640	1840	COP	1,09	1082	490	708	88	34	65	1	400	2673	120	230/1/50	0,71	3,9	16	8	1/2	3/8
	1722	1931																			
	1791	2012																			
	1847	2080																			
	1440	1539	COP	1,08	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1599	1706																			
	1749	1865																			
	1893	2015																			
	1428	1526	COP	1,09	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1585	1692																			
	1735	1849																			
	1877	1998																			
	1879	2020	COP	1,05	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2087	2240																			
	2289	2453																			
	2484	2656																			
	1842	1980	COP	1,08	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2045	2195																			
	2242	2403																			
	2433	2602																			
	2234	2412	COP	1,04	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2482	2675																			
	2727	2933																			
	2965	3182																			
	2182	2356	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2424	2612																			
	2662	2863																			
	2894	3105																			
	2721	2907	SEPR	1,77	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3020	3225																			
	3306	3525																			
	3577	3808																			
	2931	3142	SEPR	1,91	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3251	3481																			
	3559	3805																			
	3853	4111																			
	3418	3680	SEPR	1,95	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3791	4075																			
	4154	4456																			
	4504	4821																			
	4049	4378	SEPR	1,93	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	4492	4848																			
	4929	5307																			
	5353	5749																			

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GENERAL DATA & PERFORMANCE

			ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS			
	-15°C	-10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
	837	942	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	6	1/2	1/4
	880	987																			
	907	1012																			
	919	1019																			
	900	1012	-	-	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8
	943	1063																			
	975	1103																			
	998	1132																			
	1121	1260	-	-	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	16	8	1/2	3/8
	1176	1323																			
	1219	1370																			
	1249	1403																			
	1623	1821	-	-	1082	490	708	88	34	65	1	400	2673	120	230/1/50	0,71	3,9	16	8	1/2	3/8
	1699	1908																			
	1764	1984																			
	1817	2048																			
	1421	1518	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1570	1679																			
	1718	1836																			
	1856	1977																			
	1410	1505	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1557	1665																			
	1704	1820																			
	1840	1961																			
	1845	1986	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2045	2201																			
	2242	2407																			
	2423	2592																			
	1809	1946	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2004	2157																			
	2197	2358																			
	2374	2539																			
	2188	2367	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2429	2625																			
	2664	2869																			
	2878	3087																			
	2138	2312	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2372	2563																			
	2602	2801																			
	2810	3014																			
	2685	2868	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	2966	3173																			
	3247	3469																			
	3507	3737																			
	2885	3094	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3190	3423																			
	3492	3740																			
	3769	4025																			
	3354	3615	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3714	4002																			
	4067	4370																			
	4390	4700																			
	3963	4294	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	4394	4754																			
	4813	5188																			
	5193	5574																			

Note: Subject to modification without prior notification.

R449A - LBP - RTG20

CONDENSING UNITS				COMPRESSORS		AMBIENT TEMP.	EN13125 - SUBCOOLING OK - MIDPOINT						POWER INPUT (W)					
CONDENSING UNITS MODELS	CONDENSING UNIT BOM	VOLTAGE SUPPLY (V)	I NOM (A)	COMPRESSOR MODELS	COMPRESSOR BOM		COOLING CAPACITY (W)						-35°C	-30°C	-25°C	-20°C		
							(°C)	-35°C	-30°C	-25°C	-20°C	-15°C						
UP-SE2006GK-EAE00	5S3ACS6C4FI	CP: 230V-1ph-50Hz Fan: 230V-1ph-50Hz	5,6	SE2006GK-C	303AC1204AA	25	1341	1689	2087	2543	3064	3656	1062	1131	1206	1286		
						32	1270	1575	1931	2343	2820	3366	1185	1259	1341	1431		
						38	1195	1469	1790	2168	2609	3120	1323	1401	1488	1585		
						43	1125	1373	1669	2020	2434	2917	1469	1550	1643	1745		
UP-SE2006GS-EAE00	5S3A0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	2,4	SE2006GS-O	303A01201AA	25	1341	1689	2087	2544	3065	3657	1054	1122	1196	1276		
						32	1270	1576	1931	2344	2820	3367	1176	1249	1331	1419		
						38	1196	1469	1791	2169	2610	3121	1312	1389	1476	1572		
						43	1125	1374	1670	2021	2435	2918	1457	1537	1629	1731		
UP-SE2008GK-EAE00	5S3BCS6C4FI	CP: 230V-1ph-50Hz Fan: 230V-1ph-50Hz	7,2	SE2008GK-C	303BC1204AA	25	1698	2128	2618	3177	3812	4530	1352	1446	1550	1663		
						32	1603	1980	2417	2921	3501	4165	1519	1620	1734	1859		
						38	1504	1841	2235	2696	3233	3853	1706	1814	1936	2072		
						43	1411	1716	2077	2506	3008	3593	1907	2020	2150	2296		
UP-SE2008GS-EAE00	5S3B0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	2,7	SE2008GS-O	303B01201AA	25	1698	2129	2620	3179	3815	4534	1327	1419	1520	1631		
						32	1604	1981	2418	2923	3504	4169	1489	1589	1700	1822		
						38	1506	1842	2237	2699	3237	3857	1672	1777	1897	2030		
						43	1412	1717	2080	2509	3012	3598	1869	1979	2106	2248		
UP-SE2010GK-EAE00	5S3CCS6C4FI	CP: 230V-1ph-50Hz Fan: 230V-1ph-50Hz	8,4	SE2010GK-C	303CC1204AA	25	1981	2473	3032	3667	4386	5196	1581	1697	1825	1966		
						32	1865	2296	2793	3365	4022	4770	1783	1908	2049	2206		
						38	1746	2129	2577	3100	3707	4405	2013	2146	2299	2470		
						43	1633	1979	2390	2874	3442	4100	2262	2402	2565	2749		
UP-SE2010GS-EAE00	5S3C0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	4,3	SE2010GS-O	303C01201AA	25	1982	2475	3035	3670	4390	5201	1546	1659	1784	1921		
						32	1867	2298	2796	3369	4027	4776	1743	1865	2002	2155		
						38	1748	2132	2581	3105	3713	4412	1966	2096	2245	2412		
						43	1635	1982	2394	2880	3448	4108	2208	2344	2503	2682		
UP-SE2012GS-EAE00	5S3G0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	5,4	SE2012GS-O	303G01201AA	25	2609	3286	4063	4951	5966	7119	2004	2134	2276	2428		
						32	2471	3067	3759	4563	5491	6556	2237	2377	2532	2701		
						38	2327	2860	3487	4223	5083	6078	2496	2644	2810	2992		
						43	2190	2674	3251	3935	4741	5683	2773	2926	3100	3294		
UP-SE2014GS-EAE00	5S3D0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	5,2	SE2014GS-O	303D01201AA	25	3033	3811	4701	5717	6873	8183	2135	2278	2435	2605		
						32	2869	3553	4347	5265	6323	7535	2388	2542	2713	2901		
						38	2699	3311	4029	4870	5850	6983	2669	2832	3016	3220		
						43	2538	3093	3753	4535	5455	6526	2970	3140	3334	3551		
UP-SE2017GS-EAE00	5S3E0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	6,3	SE2017GS-O	303E01201AA	25	3577	4481	5509	6679	8006	9504	2449	2622	2812	3020		
						32	3378	4171	5087	6144	7358	8744	2749	2935	3143	3373		
						38	3172	3879	4707	5675	6799	8095	3085	3282	3506	3757		
						43	2976	3618	4378	5277	6331	7556	3446	3652	3889	4157		
UP-SE2020GS-EAE00	5S3F0S6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	6,9	SE2020GS-O	303F01201AA	25	4162	5194	6362	7687	9184	10869	2854	3064	3299	3557		
						32	3921	4824	5864	7060	8429	9987	3215	3443	3701	3987		
						38	3673	4476	5415	6509	7776	9232	3625	3868	4146	4460		
						43	3437	4165	5026	6041	7228	8603	4067	4323	4619	4956		

GENERAL DATA & PERFORMANCE

			ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS			
	-15°C	-10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
	1372	1463	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1527	1629																			
	1690	1804																			
	1858	1981																			
	1361	1451	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1514	1615																			
	1676	1788																			
	1842	1964																			
	1785	1916	COP	1,04	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1996	2144																			
	2223	2388																			
	2459	2639																			
	1750	1878	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1956	2101																			
	2177	2339																			
	2407	2584																			
	2120	2288	COP	1,03	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2379	2570																			
	2662	2876																			
	2958	3193																			
	2071	2235	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2323	2509																			
	2598	2806																			
	2886	3114																			
	2590	2761	SEPR	1,64	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	2882	3075																			
	3191	3405																			
	3508	3740																			
	2787	2981	SEPR	1,68	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3105	3324																			
	3443	3686																			
	3791	4055																			
	3245	3488	SEPR	1,73	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3625	3899																			
	4034	4339																			
	4457	4790																			
	3840	4150	SEPR	1,73	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	4305	4656																			
	4811	5204																			
	5338	5769																			

Note: Subject to modification without prior notification.

R449A - LBP - SH10K

CONDENSING UNITS				COMPRESSORS		AMBIENT TEMP.	EN13125 - SUBCOOLING OK - MIDPOINT						POWER INPUT (W)					
CONDENSING UNITS MODELS	CONDENSING UNIT BOM	VOLTAGE SUPPLY (V)	I NOM (A)	COMPRESSOR MODELS	COMPRESSOR BOM		COOLING CAPACITY (W)						-35°C	-30°C	-25°C	-20°C		
							(°C)	-35°C	-30°C	-25°C	-20°C	-15°C						
UP-SE2006GK-EAE00	5S3ACS6C4FI	CP: 230V-1ph-50Hz Fan: 230V-1ph-50Hz	5,6	SE2006GK-C	303AC1204AA	25	1286	1632	2030	2488	3013	3611	1068	1132	1203	1280		
						32	1212	1512	1864	2274	2750	3300	1178	1249	1329	1417		
						38	1121	1387	1703	2078	2518	3031	1315	1390	1476	1571		
						43	1034	1275	1566	1913	2327	2813	1461	1538	1627	1728		
UP-SE2006GS-EAE00	5S3AOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	2,4	SE2006GS-O	303A01201AA	25	1286	1632	2030	2488	3013	3612	1060	1124	1194	1270		
						32	1213	1513	1864	2275	2751	3301	1168	1239	1318	1405		
						38	1121	1387	1704	2078	2519	3032	1304	1379	1463	1558		
						43	1035	1276	1566	1914	2328	2814	1449	1526	1614	1713		
UP-SE2008GK-EAE00	5S3BCS6C4FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	7,2	SE2008GK-C	303BC1204AA	25	1630	2057	2546	3105	3743	4467	1355	1443	1541	1650		
						32	1527	1896	2326	2826	3405	4070	1507	1605	1716	1839		
						38	1405	1731	2118	2574	3110	3732	1694	1798	1917	2051		
						43	1292	1587	1942	2367	2870	3461	1893	2000	2124	2265		
UP-SE2008GS-EAE00	5S3BOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	2,7	SE2008GS-O	303B01201AA	25	1631	2058	2548	3107	3746	4470	1329	1415	1512	1618		
						32	1528	1897	2328	2829	3408	4075	1478	1574	1682	1803		
						38	1406	1733	2120	2577	3113	3737	1661	1762	1879	2009		
						43	1293	1590	1945	2370	2874	3466	1855	1959	2081	2218		
UP-SE2010GK-EAE00	5S3CCS6C4FI	CP: 230V-1ph-50Hz Fan: 230V-1ph-50Hz	8,4	SE2010GK-C	303CC1204AA	25	1903	2391	2946	3580	4300	5114	1580	1688	1810	1946		
						32	1773	2193	2681	3248	3901	4650	1769	1889	2027	2181		
						38	1625	1997	2435	2952	3557	4259	1998	2126	2274	2441		
						43	1491	1827	2230	2711	3281	3949	2241	2373	2527	2704		
UP-SE2010GS-EAE00	5S3COS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	4,3	SE2010GS-O	303C01201AA	25	1904	2392	2949	3584	4305	5120	1545	1651	1770	1903		
						32	1774	2196	2685	3252	3907	4657	1729	1846	1980	2131		
						38	1627	1999	2439	2957	3563	4266	1951	2076	2220	2383		
						43	1494	1830	2234	2716	3287	3957	2188	2316	2467	2639		
UP-SE2012GS-EAE00	5S3GOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	5,4	SE2012GS-O	303G01201AA	25	2502	3176	3951	4843	5866	7032	2016	2138	2272	2417		
						32	2360	2944	3629	4428	5357	6428	2223	2358	2509	2675		
						38	2182	2701	3317	4047	4905	5906	2481	2624	2785	2965		
						43	2014	2484	3050	3728	4534	5482	2757	2904	3072	3261		
UP-SE2014GS-EAE00	5S3DOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	5,2	SE2014GS-O	303D01201AA	25	2911	3684	4572	5591	6754	8077	2144	2277	2426	2589		
						32	2737	3408	4191	5103	6161	7377	2371	2520	2687	2872		
						38	2528	3122	3827	4660	5638	6776	2652	2809	2988	3189		
						43	2331	2870	3517	4292	5211	6291	2951	3113	3299	3510		
UP-SE2017GS-EAE00	5S3EOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	6,3	SE2017GS-O	303E01201AA	25	3436	4332	5357	6527	7859	9368	2453	2614	2794	2994		
						32	3217	3993	4895	5943	7153	8543	2728	2907	3110	3337		
						38	2962	3649	4461	5418	6538	7840	3063	3253	3471	3716		
						43	2727	3349	4095	4986	6041	7279	3419	3615	3842	4100		
UP-SE2020GS-EAE00	5S3FOS6C3FI	CP: 400V-3ph-50Hz Fan: 230V-1ph-50Hz	6,9	SE2020GS-O	303F01201AA	25	3999	5020	6182	7504	9002	10694	2850	3047	3271	3521		
						32	3726	4607	5629	6812	8174	9734	3188	3408	3659	3942		
						38	3419	4198	5117	6199	7462	8925	3597	3830	4099	4405		
						43	3140	3846	4692	5699	6891	8287	4028	4269	4550	4872		

GENERAL DATA & PERFORMANCE

			ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS			
	-15°C	-10°C	Type	Cop/ Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
	1363	1452	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1512	1615																			
	1675	1789																			
	1839	1960																			
	1352	1441	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1500	1602																			
	1661	1774																			
	1823	1943																			
	1769	1899	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1976	2125																			
	2200	2364																			
	2423	2599																			
	1734	1861	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1936	2082																			
	2155	2315																			
	2373	2545																			
	2098	2265	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2354	2545																			
	2629	2839																			
	2904	3129																			
	2050	2213	-	-	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2299	2485																			
	2566	2771																			
	2833	3052																			
	2574	2742	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	2855	3050																			
	3163	3377																			
	3470	3700																			
	2765	2957	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3074	3295																			
	3410	3653																			
	3745	4004																			
	3214	3456	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3588	3864																			
	3990	4293																			
	4390	4714																			
	3799	4108	-	-	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	4258	4610																			
	4750	5135																			
	5238	5650																			

Note: Subject to modification without prior notification.

GENERAL DATA & PERFORMANCE

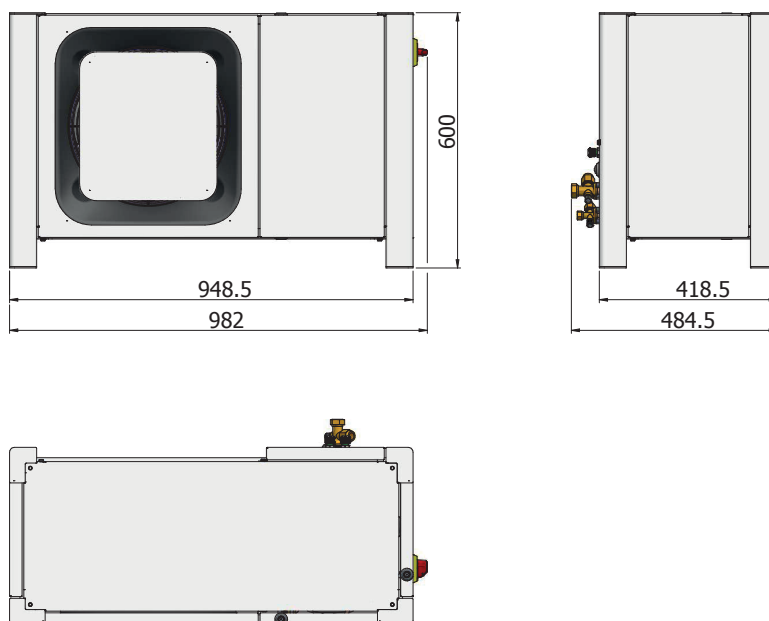
			ECO DESIGN		DIMENSIONS (mm)			WEIGHT	ACOUSTICS dB (A)		CONDENSER/FAN						LIQUID RECEIVER	CONNECTION DIAMETERS			
	-15°C	-10°C	Type	Cop/Seer	W (width)	D (depth)	H (height)	Net (kg)	Sound Press. @10m	Sound power level	Number of fan	Fan diameter (mm)	Airflow (m³/h)	Fan power (W)	Voltage supply (V)	Internal volume (dm³)	dm³	Suction (mm)	Liquid (mm)	Suction (")	Liquid (")
	835	930	COP	0,97	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	6	1/2	1/4
	881	980																			
	914	1015																			
	937	1039																			
	899	999	COP	0,99	982	484	600	69	29	60	1	350	1695	67	230/1/50	0,23	1,6	12	8	1/2	3/8
	942	1054																			
	982	1106																			
	1018	1152																			
	1119	1245	COP	1,08	982	484	600	69	29	60	1	350	1523	67	230/1/50	0,45	2,3	16	8	1/2	3/8
	1174	1310																			
	1224	1369																			
	1267	1420																			
	1644	1825	COP	1,12	1082	490	708	88	34	65	1	400	2673	120	230/1/50	0,71	3,9	16	8	1/2	3/8
	1731	1928																			
	1807	2019																			
	1870	2095																			
	1445	1546	COP	1,07	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1591	1698																			
	1736	1850																			
	1884	2003																			
	1434	1533	COP	1,08	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	1578	1684																			
	1722	1834																			
	1868	1986																			
	1881	2022	COP	1,05	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2074	2225																			
	2274	2434																			
	2480	2649																			
	1844	1982	COP	1,07	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2033	2180																			
	2228	2384																			
	2429	2594																			
	2232	2408	COP	1,03	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2466	2654																			
	2713	2914																			
	2971	3184																			
	2181	2353	COP	1,06	1082	490	708	92	33	64	1	400	2673	120	230/1/50	0,71	3,9	18	10	3/4	3/8
	2408	2592																			
	2648	2844																			
	2898	3106																			
	2731	2921	SEPR	1,8	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3006	3209																			
	3281	3496																			
	3560	3784																			
	2939	3152	SEPR	1,95	1277	538	1005	107	36	67	1	500	5195	220	230/1/50	1,34	6	22	12	7/8	1/2
	3234	3461																			
	3534	3773																			
	3839	4091																			
	3421	3682	SEPR	1,98	1277	538	1														

Note: Subject to modification without prior notification.

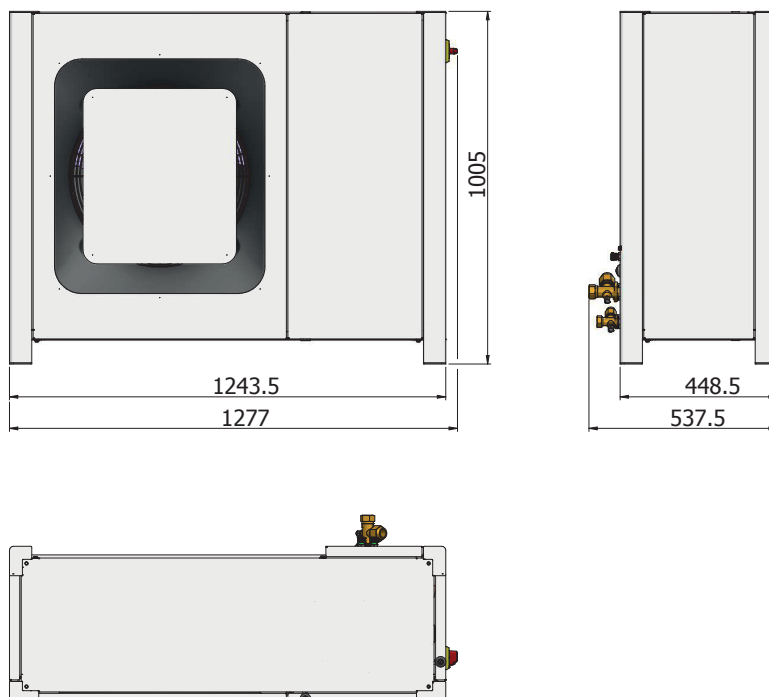
GENERAL DATA & PERFORMANCE

EXTERNAL VIEWS

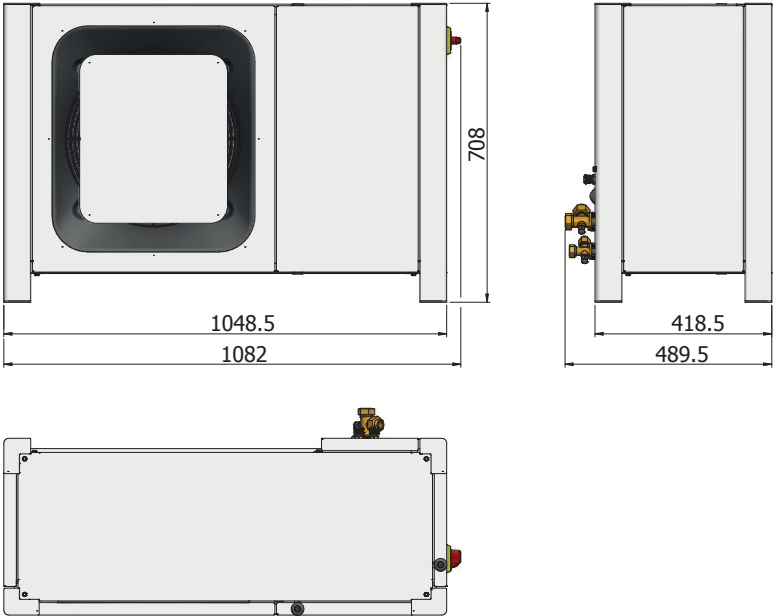
MODEL HOUSING 1



MODEL HOUSING 3



MODEL HOUSING 2

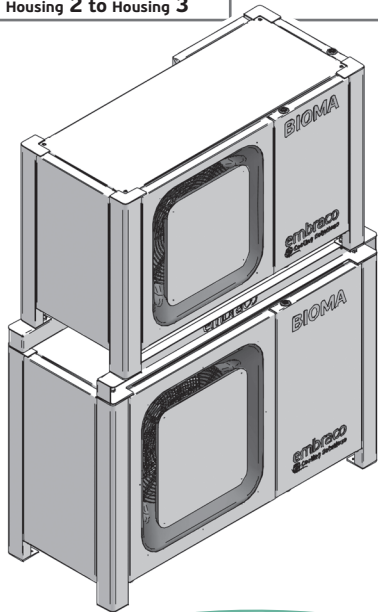


STACKABILITY OPTIONS

DIFFERENT HOUSING SIZES

Different housing sizes with complementary bracket

CONFIGURATIONS	ACCESSORY CODE
Housing 1 to Housing 2	1996761
Housing 1 to Housing 3	1996762
Housing 2 to Housing 3	



SAME HOUSING SIZES

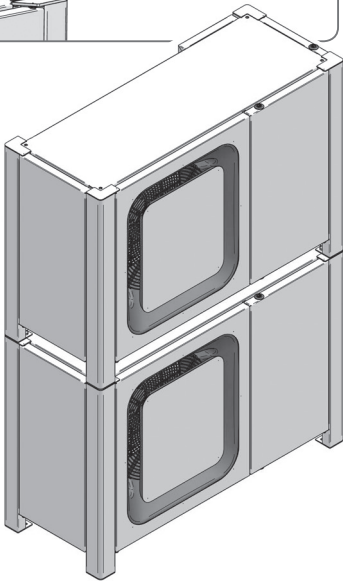
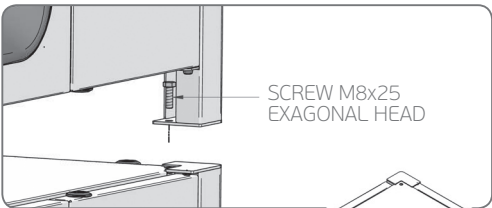
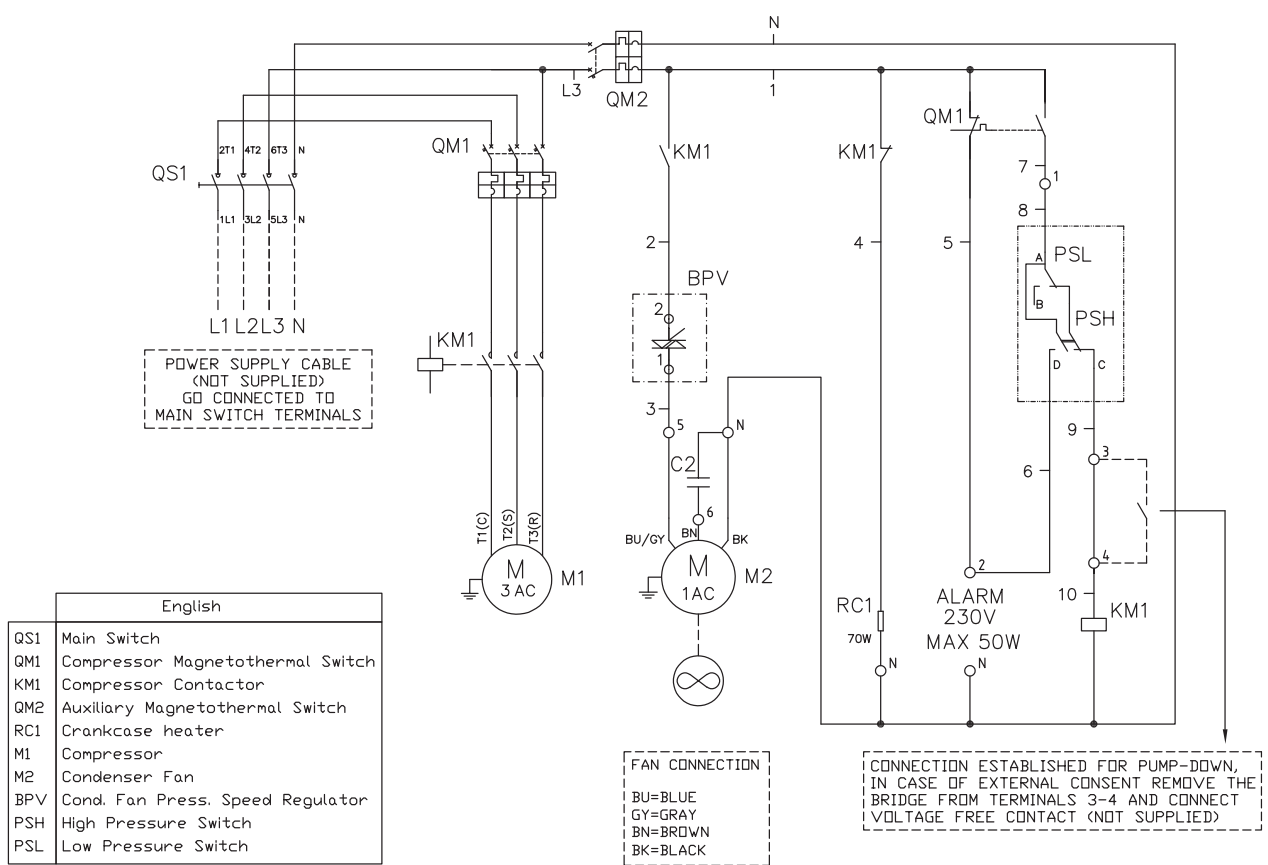


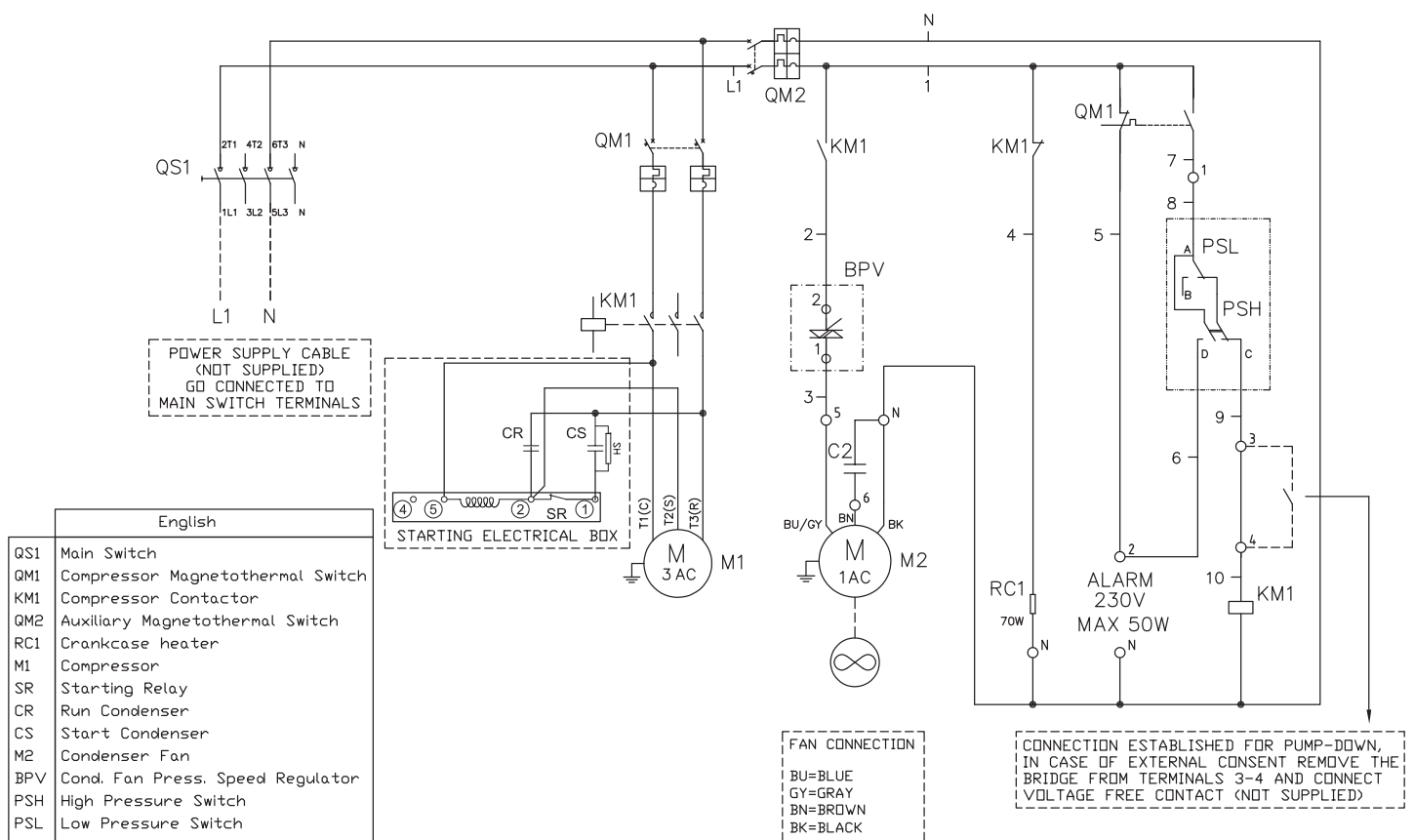
Figure 1: Schematic diagram of the electrical control system for the pump and fan. The diagram shows a power supply cable (L1, N) connected to a main switch (QS1). The main switch is connected to a circuit breaker (QM2) and a fuse (KM1). The circuit breaker is connected to a contactor (KM1) and a thermal relay (CJ1). The contactor is connected to a three-phase motor (M1). The thermal relay is connected to a three-phase motor (M2). The diagram also shows a starting electrical box with a thermal relay (CJ1) and a contactor (KM1). The thermal relay is connected to a three-phase motor (M1). The contactor is connected to a three-phase motor (M2). The diagram includes a legend for the components: Magnetothermal Switch, Contactor, Magnetothermal Switch, Heater, Relay, User, Lenser, Fan, Press. Speed Regulator, Pressure Switch, and Pressure Switch. The diagram also includes a note: 'POWER SUPPLY CABLE (NOT SUPPLIED) GO CONNECTED TO MAIN SWITCH TERMINALS'. The diagram is labeled 'Figure 1' and 'Figure 1'.

Hermetic reciprocating compressors - 400v 3~ 50Hz

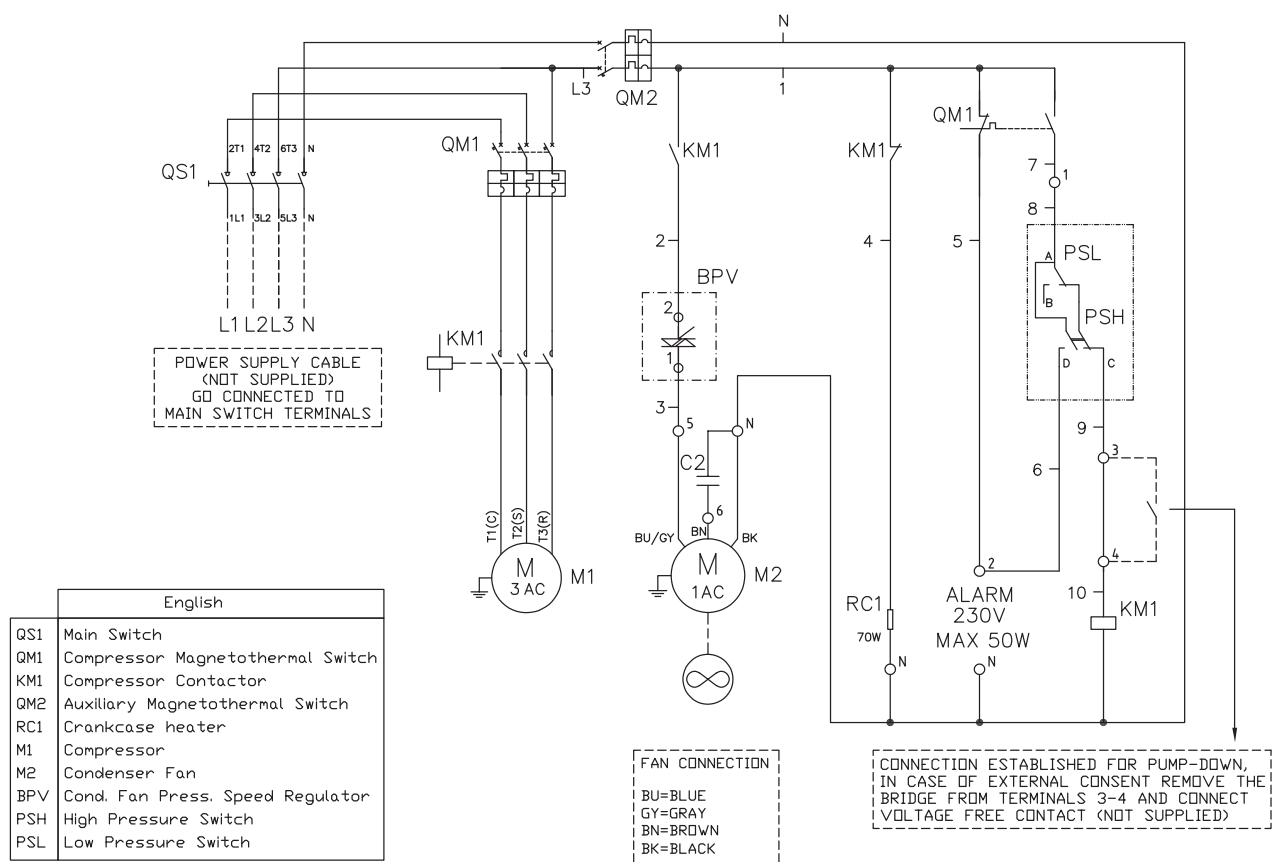


WIRING DIAGRAMS

Scroll compressors - 220v 1~ 50Hz



Scroll compressors - 400v 3~ 50Hz





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