



**COMPTEK Compressor Condensing Units**



**LUCT Series**

**Products features:**

- With Comptek Compressor
- Horse Power: From 1/10HP to 3/4HP
- Refrigerant: R134a, R404A, R22
- Application: L/MBP, H/MBP
- Air Cooled Units



LUCT SERIES  
COMPTEK Compressor Condensing Units



**Products Description:**

LUCT Series are available for a broad spectrum of applications, Ranging from 1/10 to 3/4HP  
In Low, medium and high temp. evaporation application.  
With Comptek compressor guarantee the High efficiency level and very good running quality.  
Low noise with low vibrations  
High reliability in sever working conditions  
Compact size widely used in small-sized showcase, Kitchen refrigerator, Ice machine, and small chillers, etc,



**R22 L/MBP (220V-240V/50Hz) Application**

Model	Compressor Model	Displ. (cm <sup>3</sup> )	Power HP	Capacity(W)54.4°C/ 130 °F Condensing Temp.										COP W/W	
				-35°C	-30°C	-25°C	-23.3°C	-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	-23.3°C	-6.7°C
LUCT-M030E	MAMQD30EHY	3.00	1/8	76	85	117	129	161	181	245	258	284	310	1.25	1.75
LUCT-M035E	MAMQD35EHY	3.50	1/6	89	99	137	151	188	211	286	301	331	361	1.25	1.75
LUCT-M043E	MAFQD43EHY	4.30	1/5	109	122	168	185	231	259	351	370	407	444	1.2	1.7
LUCT-M052E	MAFQD52EHY	4.90	1/5	124	139	192	211	263	295	400	421	464	506	1.2	1.7
LUCT-M059E	MALQD59EHM	5.50	1/5+	140	156	215	237	296	331	449	473	520	568	1.25	1.75
LUCT-M065E	MALQD65EHM	6.20	1/4	157	176	243	267	333	373	507	533	587	640	1.23	1.7
LUCT-M075E	MALQD75EHM	7.20	1/4+	183	204	282	310	387	433	588	619	681	743	1.23	1.7
LUCT-M091E	MAQQD91EHM	8.80	3/8	202	227	312	343	429	480	652	686	755	824	1.2	1.7
LUCT-M110E	MAQQD110EHM	10.60	3/8+	219	245	338	371	464	519	705	742	816	890	1.2	1.7
LUCT-M128E	MATQD128EHM	12.12	9/16	250	280	386	424	530	594	806	848	933	1018	1.24	1.7
LUCT-M158E	MATQD158EHM	14.50	5/8	299	335	462	508	634	711	964	1015	1117	1218	1.18	1.68
LUCT-M168E	MATQD168EHM	16.80	3/4	347	388	535	588	735	823	1117	1176	1294	1411	1.26	1.72
LUCT-M180E	MATQD180EHM	17.40	3/4	359	402	554	609	761	853	1157	1218	1340	1462	1.24	1.74
LUCT-M210E	MATQD210EHM	20.40	3/4	421	471	650	714	893	1000	1357	1428	1571	1714	1.34	1.8

**R134a L/MBP (220V-240V/50Hz) Application**

Model	Compressor Model	Displ. (cm <sup>3</sup> )	Power HP	Capacity(W)54.4°C/ 130 °F Condensing Temp.										COP W/W	
				-35°C	-30°C	-25°C	-23.3°C	-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	-23.3°C	-6.7°C
LUCT-M030H	MAWQD30HHP	3.0	1/10	35	49	63	70	90	112	152	170	188	210	0.85	1.9
LUCT-M035H	MAMQD35HHP	3.5	1/8	40	56	72	80	105	128	176	220	242	275	0.9	1.98
LUCT-M043H	MAMQD43HHP	4.3	1/7	47	65	83	110	121	149	216	270	297	338	0.95	2.01
LUCT-M052H	MAFQD52HHP	5.5	1/7	70	95	123	136	177	218	280	350	385	438	1.15	2.01
LUCT-M059H	MAFQD59HHP	6.2	1/6	85	115	149	165	215	265	312	390	430	488	1.2	2
LUCT-M065H	MAFQD65HHP	6.6	1/5	95	129	167	185	241	297	350	430	473	538	1.25	2.02
LUCT-M075H	MAFQD75HHP	7.6	1/5+	105	147	190	210	273	337	387	495	545	618	1.25	2.1
LUCT-M091H	MALQD91HHR	8.8	1/5+	115	160	207	245	300	368	425	530	583	655	1.37	2.12
LUCT-M110H	MALQD110HHR	10.6	1/4+	135	189	243	295	370	456	520	650	715	813	1.41	2.12
LUCT-M120H	MALQD120HHR	11.6	1/3	165	231	297	330	430	528	576	720	792	900	1.41	2.12
LUCT-M128H	MAQQD128HHR	12.3	3/8	180	252	324	360	468	576	740	925	1018	1156	1.31	2
LUCT-M142H	MAQQD142HHR	13.5	3/8+	195	273	351	390	507	624	800	1000	1100	1250	1.3	2
LUCT-M158H	MAQQD158HHR	15.3	3/8+	215	300	387	430	560	690	890	1120	1230	1400	1.3	2
LUCT-M168H	MAQQD168HHR	16.3	1/2	230	322	415	460	598	736	976	1220	1340	1530	1.3	2

**R134a M/HBP (220V-240V/50Hz) Application**

Model	Compressor Model	Displ. (cm <sup>3</sup> )	Power HP	Capacity(W)54.4°C/ 130 °F Condensing Temp.										COPW/W	
				-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	5°C	7.2°C	10°C	15°C	-6.7°C	7.2°C
LUCT-H030H	HAMQD30HHP	3.0	1/8	90	120	150	190	210	225	273	300	345	420	1.90	2.18
LUCT-H035H	HAMQD35HHP	3.5	1/7	105	140	175	220	245	263	318	350	403	490	1.98	2.31
LUCT-H043H	HAMQD43HHP	4.3	1/6	130	172	215	270	300	323	391	430	495	600	2.01	2.36
LUCT-H052H	HAFQD52HHP	4.9	1/6+	145	196	245	310	343	368	446	490	563	686	2.01	2.37
LUCT-H059H	HAFQD59HHP	5.5	1/5	165	220	275	345	385	413	500	550	633	770	2.00	2.35
LUCT-H065H	HAFQD65HHR	6.2	1/5+	190	252	315	390	441	473	573	630	725	882	2.05	2.41
LUCT-H075H	HALQD75HHR	7.2	1/4	205	276	345	430	483	518	628	690	828	965	2.10	2.51
LUCT-H091H	HALQD91HHR	8.8	1/4+	250	332	415	530	580	623	747	830	955	1160	2.12	2.51
LUCT-H110H	HALQD110HHR	10.6	1/3+	305	411	515	650	720	771	935	1028	1182	1439	2.12	2.52
LUCT-H120H	HALQD120HHR	11.6	3/8+	385	516	645	830	900	960	1170	1290	1480	1770	2.10	2.50
LUCT-H128H	HAQQD128HHR	12.3	3/8+	395	528	660	830	924	990	1200	1320	1518	1848	2.02	2.36
LUCT-H142H	HAQQD142HHR	13.6	1/2	440	586	733	920	1026	1099	1333	1465	1685	1978	2.02	2.37
LUCT-H158H	HAQQD158HHR	15.3	1/2+	480	640	800	1008	1120	1200	1456	1600	1840	2160	2.02	2.37



**R404A L/MBP (220V-240V/50Hz) Application**

Model	Compressor Model	Displ. (cm <sup>3</sup> )	Power HP	Capacity(W)54.4°C/ 130 °F Condensing Temp.												COP W/W	
				-35°C	-30°C	-25°C	-23.3°C	-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	-23.3°C	-6.7°C		
LUCT-M030K	MAMQD30KHXY	3.00	1/8	96	107	147	162	193	243	300	324	356	389	1.25	1.75		
LUCT-M035K	MAMQD35KHXY	3.50	1/6	112	125	172	189	225	284	350	378	416	454	1.25	1.75		
LUCT-M043K	MAFQD43KHXY	4.30	1/5	134	150	207	228	271	342	422	456	501	547	1.3	1.8		
LUCT-M052K	MAFQD52KHXY	4.90	1/5	153	171	236	260	309	390	480	519	571	623	1.3	1.8		
LUCT-M059K	MALQD59KHM	5.50	1/5+	178	200	275	303	360	454	560	605	666	726	1.35	2		
LUCT-M065K	MALQD65KHM	6.20	1/4	201	225	310	341	406	512	631	682	750	818	1.45	2		
LUCT-M075K	MALQD75KHM	7.20	1/4+	234	261	360	396	471	594	733	792	871	950	1.5	2.05		
LUCT-M091K	MAQQD91KHM	8.80	3/8	275	308	424	466	555	700	863	933	1026	1119	1.45	2		
LUCT-M110K	MAQQD110KHM	10.60	3/8+	331	371	511	562	669	843	1039	1124	1236	1348	1.45	2		
LUCT-M128K	MATQD128KHM	12.12	9/16	363	407	561	616	733	924	1140	1232	1355	1478	1.24	1.7		
LUCT-M158K	MATQD158KHM	14.50	5/8	346	387	533	586	697	879	1084	1172	1289	1406	1.28	1.72		
LUCT-M168K	MATQD168KHM	16.80	3/4	496	554	764	840	1000	1260	1554	1680	1848	2016	1.26	1.72		
LUCT-M180K	MATQD180KHM	17.40	3/4	466	521	718	789	939	1184	1460	1578	1736	1894	1.15	1.6		
LUCT-M210K	MATQD210KHM	20.40	3/4	537	601	828	910	1083	1365	1684	1820	2002	2184	1.34	1.8		

**R404A M/HBP (220V-240V/50Hz) Application**

Model	Compressor Model	Displ. (cm <sup>3</sup> )	Power HP	Capacity(W)54.4°C/ 130 °F Condensing Temp.										COPW/W	
				-20°C	-15°C	-10°C	-6.7°C	-5°C	0°C	5°C	7.2°C	10°C	15°C	-6.7°C	7.2°C
LUCT-H030K	HAMQD30KHXY	3.00	1/8	203	226	236	273	292	358	433	471	518	612	1.9	2.2
LUCT-H035K	HAMQD35KHXY	3.50	1/6	236	264	275	319	341	418	506	550	604	714	1.95	2.25
LUCT-H043K	HAFQD43KHXY	4.30	1/5	290	324	338	392	419	513	621	675	743	878	1.95	2.25
LUCT-H052K	HAFQD52KHXY	4.90	1/5	331	369	385	446	477	585	708	769	846	1000	1.95	2.25
LUCT-H059K	HALQD59KHM	5.50	1/5+	371	414	432	501	535	656	794	864	950	1123	2	2.3
LUCT-H065K	HALQD65KHM	6.20	1/4	419	467	487	565	604	740	896	973	1071	1265	2	2.3
LUCT-H075K	HALQD75KHM	7.20	1/4+	486	543	565	656	701	859	1040	1130	1243	1470	2	2.3
LUCT-H091K	HAQQD91KHM	8.80	3/8	594	663	691	801	857	1050	1271	1382	1520	1796	1.9	2.2
LUCT-H110K	HAQQD110KHM	10.60	3/8+	716	799	832	965	1032	1265	1531	1664	1831	2163	1.9	2.2
LUCT-H128K	HATQD128KHM	12.12	9/16	745	831	866	1005	1074	1316	1593	1732	1905	2252	1.95	2.26
LUCT-H158K	HATQD158KHM	14.50	5/8	914	1020	1063	1233	1318	1616	1956	2126	2339	2764	1.9	2.2
LUCT-H180K	HATQD180KHM	17.40	3/4	1032	1152	1200	1392	1488	1824	2208	2400	2640	3120	1.9	2.17
LUCT-H210K	HATQD210KHM	20.40	3/4	1245	1390	1448	1679	1795	2200	2663	2895	3185	3764	1.9	2.2

