

Compressor	Nom. Capacity W	Suction	Liquid	Discharge	Oil	Receiver Volume - 5°C/-20°C	Cooling capacity @ -5°C in W EVP. TEMP.		Cooling capacity @ -20°C CW EVP. TEMP.		Cooling capacity @ -20°C INPUT POWER in W	
							POWER in W	TEMP	POWER in W	TEMP	POWER in W	TEMP
MLY90LaA (1/3HP)LBP	418	6.5	6.5	4.9	POE0.4		748 (-10°C)	448(-10°C)	418(-23.3°C)	356		
MP12FG (3/8HP)LBP	497	8.1	8.1	6.5	POE0.4		935(-10°C)	630	497	443		
MS26FB(3/4HP)LBP	1151	12.7	9.7	8	POE0.87		2160(-10°C)	1238	1151(23.3°C)	881		
MS26TG(1 3/8HP)HMBP	3800	12.7	9.7	8	POE0.87		4168(7.2°C)	1612	1128(-20°C)	889		
MS34FB(1HP)LBP	1516	12.7	9.7	8	POE0.87		2850(-10°C)	1695	1516(-23.3°C)	1188		
MX18FB(5/8HP)LBP	760	9.7	9.7	6.5	POE(.65)		1420(-10°C)	848	760(-23.3°C)	760		
MX12FBa(3/4HP)LBP	868	9.7	9.7	6.5	POE(.65)		1598 (-10°C)	983	868(-23.3°C)	691		
MX21TBa(1HP)HMBP	2620	9.7	9.7	6.5	POE(.5)		2860(7.2°C)	1353	914(-20°C)	862		
MX21TG(1HP)HMBP	2860	9.7	9.7	6.5	POE(.65)		2860(7.2°C)	1401	914(-20°C)	862		
MS34TB(1 5/8HP)HBP	4975	12.7	9.7	8	POE(.89)		4975(7.2°C)	2200	2075(-15°C)	1440		
NLY80RAa(3/8HP-R290)HMBP	1028	6.5	6.5	4.9	POE(.4)		1028 (7.2°C)	405	339(-20°C)	292		
NPY12RA(1/2HP-R290)HBP	1522	8.1	8.1	6.5	POE(.4)		1522(7.2°C)	675	620(-15°C)	517		
NX18TB(3/4HP-R290)HMBP	2260	9.7	9.7	6.5	POE(.5)		2260(7.2°C)	884	701(-20°C)	595		
MPT16LA(1/2HP)LBP	791	8.1	8.1	6.5	PEO(.45)		1397(-10°C)	839	791(-23.3°C)	616		
PMT14LA(1/2HP)LBP	693	8.1	8.1	6.5	PEO(0.4)		693(-23.3°C)	531	1180(-10°C)	732		
MTZ18	2,367	5/8	3/8	1/2	MIN	6	2259	1335	865	979		
MTZ22	3,430	5/8	3/8	1/2	MIN	9	3071	1683	1225	1198		
MTZ28	4,926	5/8	3/8	1/2	MIN	9	4005	2232	1595	1541		
MTZ32	5,260	7/8	3/8	1/2	MIN	9	4606	2464	1953	1716		
MT36	6,291	7/8	3/8	1/2	MIN	9	5376	2942	2384	2096		
MTZ40	6,864	7/8	1/2	5/8	MIN	9	6102	3375	2820	2430		
MTZ44	7,069	7/8	1/2	5/8	MIN	9	6267	3134	2623	2272		
MTZ50	7,785	7/8	1/2	5/8	MIN	9	7254	3629	3091	2661		
MTZ56	9,077	7/8	1/2	5/8	MIN	9	9305	4780	3282	2853		
MTZ64	10,196	7/8	1/2	5/8	MIN	9	3933	3340	3933	3340		
MTZ72	11,280	7/8	1/2	5/8	MIN	18	10360	5312	4502	3806		
MTZ80	12,866	7/8	1/2	5/8	MIN	18	12060	6375	5513	4566		
MTZ100	15,181	1 1/8	5/8	7/8	MIN	18	14220	7614	6141	5590		
MTZ125	20,170	1 1/8	5/8	7/8	MIN	18	18150	9570	8046	6995		
MTZ144	22,834	1 1/8	5/8	7/8	MIN	18	21210	11060	9719	8138		
MTZ160	25,325	1 1/8	5/8	7/8	MIN	18	23330	12560	10730	9214		
NTZ048	2,088	5/8	3/8	1/2	POE	9	-	-	1950	1592		
NTZ068	3,168	7/8	3/8	1/2	POE	9	-	-	3177	2475		
NTZ096	4,163	7/8	3/8	1/2	POE	9	-	-	3924	3024		
NTZ108	4,997	7/8	1/2	5/8	POE	9	-	-	4678	3460		
NTZ136	6,302	7/8	1/2	5/8	POE	9	-	-	5977	4796		
NTZ215	9,752	1 1/8	5/8	7/8	POE	18	-	-	9181	7030		
NTZ271	13,288	1 1/8	7/8	7/8	POE	18	-	-	12600	9164		
HGX12P/75	3,893	5/8	3/8	1/2	POE	9	3640	1920	1860	1450		
HGX12P/90	4,644	5/8	3/8	1/2	POE	9	4220	2250	2140	1640		
HGX12P/110	5,460	7/8	3/8	1/2	POE	9	5020	2730	2620	1980		
HGX22P/160	7,957	7/8	1/2	5/8	POE	9	7480	3510	3790	2580		
HGX22P/190	9,629	7/8	1/2	5/8	POE	18	9150	440	4750	3270		
HGX34P/215	10,964	7/8	1/2	5/8	POE	18	5140	4670	4630	3250		
HGX34P/255	12,891	7/8	1/2	5/8	POE	18	11700	5680	5760	4000		
HGX34P/315	16,900	1 1/8	1/2	7/8	POE	18	14500	6970	7370	4960		
HGX34P/380	19,257	1 1/8	1/2	7/8	POE	18	17600	8730	9030	6220		
HGX4/465 (12.2HP)	12,637	1 3/8	5/8	1 1/8	POE	18	21600	11100	11200	7800		
HGX44e/475-4 (10.2HP)	13,200	1 3/8	5/8	1 1/8	POE	18	23100	10200	12000	7550		
HGX44e/565-4 (10.2HP)	15,900	1 3/8	5/8	1 1/8	POE	21	27500	12300	14500	9010		
HGX44e/5654s (15HP)	15,400	1 3/8	5/8	1 1/8	POE	20	28200	12100	14700	9000		
HGX44e/665-4 (15HP)	18,500	1 5/8	5/8	1 1/8	POE	25	32000	14300	16500	10500		
HGX44e/665-4S (15HP)	18,300	1 5/8	5/8	1 1/8	POE	23	32300	14200	16600	10500		
HGX44e/770-4s (20.4HP)	22,000	1 5/8	5/8	1 1/8	POE	34	37600	16500	19600	12200		
YM34E1G-100 (2HP)	3,560	7/8		1/2	POE	5	3938	1902	1883	1879		
YM43E1G-100 (2.5HP)	4,250	7/8		1/2	POE	5	4923	2332	2354	2304		
YM49E1G-100 (3HP)	4,840	7/8		1/2	POE	5	5360	2527	2563	2497		
YM70E1G-100 (4HP)	6,920	7/8		1/2	POE	8	7657	3575	3662	3532		
YM86E1G-100 (5HP)	8,500	7/8		1/2	POE	8	9407	4327	4499	4276		
YM102E1G-100 (6HP)	10,100	7/8		1/2	POE	8	11158	5132	5336	5071		
YM125E1G-100 (7HP)	12,240	1 1/8		7/8	POE	10	13674	6226	6539	6153		
YM132E1G-100 (8HP)	12,893	1 1/8		7/8	POE	10	14167	6450	6775	6374		
YM172E1G-100 (10HP)	17,856	1 1/8		7/8	POE	15	18880	8596	9029	8495		
YM200E1G-100 (12HP)	19,536	1 1/8		7/8	POE	15	22025	10028	10533	9910		
YM210E1G-100 (13HP)	20,544	1 1/8		7/8	POE	18	22962	10455	10981	10332		
YSM235A1G-100 (13HP)	23,218	1 1/8		7/8	POE	18	26140	12259	14501	12115		
YSM260A1G-100 (15HP)	25,688	1 1/8		7/8	POE	20	27253	13564	13033	13404		

Compressor	Nom. Capacity W	Suction	Liquid	Discharge	Oil	Receiver Volume - 5°C/-20°C	Cooling capacity @ -5°C in W EVP. TEMP.	Cooling capacity @ -5°C Input POWER in W	Cooling capacity @ -20°CW EVP. TEMP	Cooling capacity @ -20°C INPUT POWER in W
CAJ9510Z(1HP)HMBP	2,348				POE	2 lltrs	1594	953	785	695
CAJ 9513 Z (1+HP)	2,924	5/8"		5/16"	POE	3	2464	1151	818	788
CAJ4517Z(1.3HP)MBP	3,519	5/8"		3/8"	POE	3	2421	1291	1561	1056
CAJ4519Z(1.5HP)HBP	4,239	5/8"		3/8"	POE	5	2904	2034	1842	1632
TFH4524Z(2HP)HBP	5,236	5/8"		1/2"	POE	6	3415	1847	1948(-15°C)	1430(-15°C)
TFH4540Z(3HP)HBP	8,451	7/8"		1/2"	POE	7	5707	3251	3507(-15°C)	2622(-15°C)
TAG4546Z (4HP)HBP	9,878	7/8"		5/8"	POE	10	6134	3371	3370(-15°C)	2497(-15°C)
TAG4561Z(5HP)HBP	12,297	1 1/8"		5/8"	POE	12	7914	4338	4560(-15°C)	3269(-15°C)
TAG4568Z(6HP)HBP	14,444	1 1/8"		5/8"	POE	15	9463	4868	5639(-15°C)	3742(-15°C)
TAG4573Z(6HP)HBP	15,385	1 1/8"		5/8"	POE	16	10122	5406	6155(-15°C)	4234(-15°C)
TAG4581Z(8HP)HBP	16,569	1 1/8"		5/8"	POE		11189	6206	6966(-15°C)	4867(-15°C)
TFH 2480 Z (2HP LBP)	3344(-10°C)	5/8"		1/2"	POE		-	-	2134	1934
TFH2511Z (3HP)LBP	4827(-10°C)	5/8"		1/2"	POE		-	-	2931	2334
TAG2513Z(4HP LBP)	5967(-10°C)	7/8"		5/8"	POE		-	-	3381	2905
TAG 2516 Z ( 5HP LBP)	7034(-10°C)	7/8"		5/8"	POE		-	-	4272	3329
TAG 2522 Z (7HP LBP)	8644(-10°C)	1 1/8"		5/8"	POE		-	-	5217	4065
TK2480L( 2HP)LBP 1PH	2054(-23.3)	5/8"		1/2"	POE		3400(-10°C)	1700	2054(-23.3°C)	1312
TK2511L (3HP)LBP 1PH	3278	5/8"		1/2"	POE		5931(-10°C)	2851	3278(-23.3°C)	2393
TK2480SL(2HP)LBP	2054	5/8"		1/2"	POE		3400(-10°C)	1700	2054(-23.3°C)	1312
TK2511SL(3HP)LBP	3278	5/8"		1/2"	POE		5931(-10°C)	2851	3278(-23.3°C)	2393
TK2516SL94HP)LBP	3724	7/8"		1/2"	POE		6738(-10°C)	3239	3724(-23.3°C)	2691
TK2522SL(6HP)LBP	5676	1 1/8"		5/8"	POE		11035(-10°C)	5450	5676(-23.3°C)	4136
TK4522(2HP)HBP	4746(0°C)	5/8"		1/2"	POE		4746(0°C)	1735	3001(-10°C)	1489
TK4527(2.5HP)HBP	5248(0°C)	5/8"		1/2"	POE		5248(0°C)	2034	3319(-10°C)	1668
TK4532S(3HP)HBP	7183(0°C)	7/8"		5/8"	POE		7183(0°C)	2565	4259(-10°C)	2018
TK4542S(3.5HP)HBP	9537(0°C)	7/8"		5/8"	POE		9537(0°C)	3348	5891(-10°C)	2758
TK4545S(4HP)HBP	12195(0°C)	7/8"		5/8"	POE		12195(0°C)	4124	7376(-10°C)	3444
TK4561S(5HP)HBP	12529(0°C)	7/8"		5/8"	POE		12529(0°C)	4410	7579(-10°C)	3650
TK4568S(6HP)HBP	14589(0°C)	7/8"		5/8"	POE		14589(0°C)	4940	8640(-10°C)	4051
TK4573A9(7HP)HBP	15766(0°C)	7/8"		5/8"	POE		15766(0°C)	5784	9536(-10°C)	4744
2GES- 2A (2HP) LBP		12 (1/2")		16 (5/8")	1.5POE		6880	1870	3700	1560
2GEP- 3A (3HP) HMBP		16 (5/8")		22 (7/8:)	1.5POE		4570	2290	2370	1810
2GES- 2,2A (3HP) LBP		16 (5/8")		22 (7/8")	1.5POE		7540	3470	3880	2540
2GES- 3A (3HP) LBP		16 (5/8")		22 (7/8")	1.5POE		9360	4360	4990	3240
2GEP- 4A (4HP)HMBP		16 (5/8")		22 (7/8")	1.5POE		9360	4360	4990	3240
4GES- 3A (4HP)LBP		16 (5/8")		22 (7/8")	1.9POE		10130	4670	5350	3560
4GEP- 5A (5HP)HMBP		22 (7/8")		28 (1 1/8")	1.9POE		10130	4670	5350	3560
4GES- 4A (5HP)LBP		16 (5/8")		28 (1 1/8")	1.9POE		12590	5840	6560	4350
4GEP- 6A (6HP) HMBP		22 (7/8")		28 (1 1/8")	1.9POE		12590	4930	6560	4350
4GES- 5A (6HP)LBP		22 (7/8")		28 (1 1/8")	1.9POE		15310	7010	8050	5270
4GEP- 7A (7HP) HMBP		22 (7/8")		28 (1 1/8")	1.9POE		15310	7010	8050	5270
4GES- 6A (7HP) LBP		22 (7/8")		28 (1 1/8")	1.9POE		22500	7690	11900	5930
4GEP- 8A (8HP) HMBP		22 (7/8")		28 (1 1/8")	1.9POE		18600	8590	9650	6310
4GES- 7A (8HP) LBP		22 (7/8")		28 (1 1/8")	2.5POE		30180	7190	10160	6410
4GEP- 10A (10HP)HMBP		22 (7/8")		28 (1 1/8")	2.5POE		20560	9110	10160	6410
4GES- 9A (10HP)LBP		28 (1 1/8")		35 (1 3/8")	2.5POE		24980	11210	12580	7980
4GEP- 12A (12HP)HMBP		28 (1 1/8")		35 (1 3/8")	2.5POE		24980	11210	12580	7980
4GES- 12A (13HP)LBP		28 (1 1/8")		35 (1 3/8")	2.5POE		28250	12570	13850	8730
4GEP- 15A (15HP)HMBP		28 (1 1/8")		35 (1 3/8")	2.5POE		28250	12570	13850	8730
4GES- 14A (15HP)LBP		28 (1 1/8")		35 (1 3/8")	2.5POE		33980	14990	17230	9290
4GEP- 20A (20HP)HMBP		28 (1 1/8")		35 (1 3/8")	2.5POE		33980	14990	17230	10750

The dimension of the liquid receiver has to take into account the respective volume(s) of  
- the condenser(s) - Vcond  
- the evaporator(s) - Vevap  
- and the liquid line between the receiver and the expansion valve(s) - VLL.

An easy formula enables to calculate the dimension of the receiver:  
**V1 = Vcond x 0.2 + Vevap x 0.8 + VLL**

In order to avoid an excessive increase in pressure in the receiver, due to the liquid dilatation, it is essential to provide for an additional safety volume (25% to 30% of total refrigerant volume).

Then, the volume of the receiver to select will be at least:  
**Vres = V1 x 1.25.**