

Capacity Tables

Description	Connections Inlet/Outlet	Flow Capacity Tons @ 1 psi ΔP ^{1,4} (For kW, multiply tons by 3.5)					Water Capacity ² Drops of Water ³													
							R-12		R-134a		R-22		R-407C		R-410A		R-404A/507		R-502	
		R-12	R-134a	R-22/R-410A	R-407C	R-404A/R-507	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F		
EK 03 2 FM	1/4 Fem/1/4 Male SAE	1.6	2.0	2.2	2.1	1.4	47	41	40	37	40	33	33	25	21	19	38	37	42	37
EK 03 2 MF	1/4 Male/1/4 Fem SAE	1.6	2.0	2.2	2.1	1.4														
EK 03 2	1/4 SAE	1.6	2.0	2.2	2.1	1.4														
EK 03 2 S	1/4 ODF	2.2	2.7	2.9	2.9	2.0														
EK 032 SV	1/4 ODF	2.2	2.7	2.9	2.9	2.0														
EK 03 3	3/8 SAE	2.5	3.0	3.3	3.2	2.2														
EK 03 3 S	3/8 ODF	2.5	3.0	3.3	3.2	2.2	133	119	116	106	114	97	95	75	64	58	109	106	120	107
EK 05 2 FM	1/4 Fem/1/4 Male SAE	1.7	2.1	2.3	2.2	1.5														
EK 05 2 MF	1/4 Male/1/4 Fem SAE	1.7	2.1	2.3	2.2	1.5														
EK 05 2	1/4 SAE	1.7	2.1	2.3	2.2	1.5														
EK 05 2 S	1/4 ODF	2.7	3.3	3.6	3.5	2.4														
EK 05 3 MF	3/8 Male/3/8 Fem SAE	2.9	3.5	3.8	3.7	2.5														
EK 05 3	3/8 SAE	2.9	3.5	3.8	3.7	2.5	274	240	237	218	235	200	195	155	159	118	224	217	245	217
EK 05 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2														
EK 08 2 FM	1/4 Fem/1/4 Male SAE	1.9	2.3	2.5	2.4	1.7														
EK 08 2 MF	1/4 Male/1/4 Fem SAE	1.9	2.3	2.5	2.4	1.7														
EK 08 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7														
EK 08 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2														
EK 08 25 S	5/16 ODF	2.9	3.5	3.8	3.7	2.5	347	301	371	341	368	313	305	240	206	186	350	340	306	272
EK 08 3 MF	3/8 Male/3/8 Fem SAE	3.3	4.0	4.3	4.3	2.9														
EK 08 3	3/8 SAE	3.3	4.0	4.3	4.3	2.9														
EK 08 3 S	3/8 ODF	3.7	4.5	4.9	4.8	3.3														
EK 08 4	1/2 SAE	5.5	6.7	7.3	7.1	4.9														
EK 08 4 S	1/2 ODF	5.8	7.1	7.7	7.5	5.1														
EK 16 2 MF	1/4 Male/1/4 Fem SAE	1.9	2.3	2.5	2.4	1.7	601	526	664	611	657	561	548	434	515	355	627	608	536	477
EK 16 2	1/4 SAE	1.9	2.3	2.5	2.4	1.7														
EK 16 2 S	1/4 ODF	2.5	3.1	3.4	3.3	2.2														
EK 16 25 S	5/16 ODF	2.5	3.1	3.4	3.3	2.2														
EK 16 3	3/8 SAE	3.2	3.9	4.2	4.1	2.8														
EK 16 3 S	3/8 ODF	3.6	4.4	4.8	4.7	3.2														
EK 164	3/8 SAE	5	6.1	4.4	6.5	4.2														
EK 16 4 S	1/2 ODF	7.0	8.5	9.2	9.0	6.2														
EK 16 5	5/8 SAE	8.0	9.7	10.5	10.3	7.0														
EK 16 5 S	5/8 ODF	8.3	10.1	10.9	10.7	7.3														
EK 16 7 S	7/8 ODF	12.7	15.5	16.8	16.5	11.2														
EK 30 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1														
EK 30 3 S	3/8 ODF	5.2	6.3	6.8	6.7	4.6														
EK 30 4	1/2 SAE	6.6	8.1	8.8	8.6	5.9														
EK 30 4 S	1/2 ODF	8.2	10.0	10.8	10.6	7.2														
EK 30 5	5/8 SAE	8.7	10.6	11.5	11.3	7.7														
EK 30 6 S	3/4 ODF	12.1	14.8	16.0	15.7	10.7														
EK 30 7 S	7/8 ODF	13.8	16.8	18.2	17.9	12.2	2368	2159	2159	2019	2159	1880	1810	1460	1460	1111	2019	2019	2229	2019
EK 30 9 S	1 1/8 ODF	16.1	19.6	21.2	20.8	14.2														
EK 41 3	3/8 SAE	3.5	4.3	4.7	4.6	3.1														
EK 41 4	1/2 SAE	8.5	10.4	11.3	11.1	7.5														
EK 41 4 S	1/2 ODF	8.9	10.8	11.7	11.5	7.8														
EK 41 5	5/8 SAE	9.8	12.0	13.0	12.8	8.7														
EK 41 7 S	7/8 ODF	16.6	20.3	22.0	21.6	14.7														
EK 41 9 S	1 1/8 ODF	22.7	27.7	30.0	29.4	20.1														
EK 75 7 S	7/8 ODF	18.2	22.2	24.1	23.6	16.1														
EK 75 9 S	1 1/8 ODF	26.8	32.7	35.4	34.8	23.7														

¹ All ratings in accordance with ARI Standard 710-04. 86°F liquid refrigerant temperature
 5°F saturated vapor temperature
 3.1 lbs./min./ton for R-134a
 2.9 lbs./min./ton for R-22 and R-407C
 4.0 lbs./min./ton for R-404A/507 and R-12
 2.7 lbs./min./ton for R-410A

² Water Capacities are based on:
 Equilibrium Point Dryness (EPD) of:
 50 parts per million for R-134a, R404-A/507,
 R-410A and R-407C
 60 parts per million for R-22
 15 parts per million for R-12

³ 20 drops of water = 1 gram = 1 cc

⁴ For 2 PSI ΔP, Multiply values by 1.4

Liquid Refrigerant Holding Capacity-Ounces

Unit Size	R-12		R-134a		R-22		R-407C		R-410A		R-404A/R-507		R-502	
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
03	2.9	2.6	2.6	2.3	2.6	2.3	2.5	2.1	2.3	1.9	2.3	1.9	2.7	2.3
05	6.5	5.9	6.0	5.4	5.9	5.3	5.6	4.9	5.3	4.4	5.2	4.4	6.0	5.3
08	8.3	7.6	7.6	6.9	7.5	6.8	7.2	6.3	6.7	5.7	6.6	5.6	7.7	6.8
16	10.2	9.4	9.4	8.6	9.3	8.4	8.9	7.8	8.3	7.0	8.2	6.9	9.5	8.4
30	28.7	26.3	26.4	23.9	26.1	23.5	24.9	21.9	23.3	19.6	22.9	19.4	26.7	23.4
41	40.0	36.4	36.9	33.1	36.4	32.5	34.7	30.3	32.5	27.2	31.9	26.8	37.2	32.4
75	72.4	66.3	66.7	60.3	65.8	59.2	62.8	55.2	58.7	49.5	57.7	48.9	67.2	59.0