

A2L cooling connections

INTARCON commercial range split units are delivered pre-adjusted in factory, with R-455A refrigerant charge enough for up to 10 m of cooling pipes.

Condensing units feature service valves and Flare-type connections for a flared copper pipe for diameters up to 3/4" and ready-to-solder connections for diameters from 7/8".

We recommend using the following nominal pipe diameters for both, liquid and gas lines, according to the length of the cooling pipes. For total length longer than 10 m some extra refrigerant and polyester oil (POE) charge must be added as indicated in the following table:

		Model	Connection and recommended liquid-gas pipe diameter depending on pipe length						Additional charge in grams of refrigerant / oil				
			Connexions	5 m	10 m	15 m	20 m	25 m	30 m	15 m	20 m	25 m	30 m
R-455A	POSITIVE TEMP.	-018	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	90 / 70	180 / 140	270 / 210		
		-026	Flare 3/8"-1/2"	3/8"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	250 / 200	500 / 400	750 / 600	1 000 / 800
		-040	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	250 / 200	540 / 420	810 / 630	1 080 / 840
		-044	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	270 / 210	540 / 420	810 / 630	1 120 / 900
		-058	Weld 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	1/2"-7/8"	1/2"-7/8"	280 / 225	560 / 450	1 440 / 1 140	1 920 / 1 520
		-009	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"				90 / 80			
		-012	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"			95 / 85	190 / 170		
		-018	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"		95 / 85	190 / 170	285 / 255	
		-026	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	100 / 90	200 / 180	300 / 270	400 / 360
		-034	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	100 / 90	200 / 180	300 / 270	400 / 360
			Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	250 / 225	520 / 460	780 / 690	1 040 / 920
		-040	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	250 / 225	520 / 460	780 / 690	1 040 / 920
		Flare 1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	250 / 225	520 / 460	780 / 690	1 040 / 920	
	-044	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	250 / 225	500 / 450	780 / 690	1 040 / 920	
	-058	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-3/4"	250 / 225	520 / 460	780 / 690	1 040 / 920	
	-084	Weld 1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-7/8"	1/2"-1 1/8"	1/2"-1 1/8"	470 / 420	940 / 840	1 470 / 1 320	1 960 / 1 760	
	-110	Weld 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	490 / 440	980 / 880	1 470 / 1 320	1 960 / 1 760	
	-126	Weld 1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 1/8"	1/2"-1 3/8"	1/2"-1 3/8"	490 / 440	980 / 880	1 530 / 1 380	2 040 / 1 840	
	NEGATIVE TEMP.	-026	Flare 1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	90 / 95	180 / 190	270 / 285	360 / 380
		-034	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	1/4"-5/8"	95 / 100	190 / 200	285 / 300	380 / 400
		-054	Flare 1/4"-1/2"	1/4"-1/2"	1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-3/4"	95 / 100	200 / 210	300 / 315	400 / 420
		-068	Flare 3/8"-5/8"	3/8"-5/8"	3/8"-3/4"	3/8"-3/4"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	250 / 260	500 / 520	750 / 780	1 000 / 1 040
			Flare 1/4"-5/8"	1/4"-5/8"	1/4"-3/4"	1/4"-3/4"	1/4"-7/8"	1/4"-7/8"	1/4"-7/8"	100 / 105	200 / 210	300 / 315	400 / 420
		-067	Flare 1/4"-7/8"	1/4"-7/8"	1/4"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	250 / 260	500 / 520	750 / 780	1 080 / 1 120
		-084	Weld 3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-7/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	250 / 260	540 / 560	810 / 840	1 080 / 1 120
		-120	Weld 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	270 / 280	540 / 560	810 / 840	1 080 / 1 120
-169		Weld 3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 1/8"	3/8"-1 3/8"	3/8"-1 3/8"	1/2"-1 3/8"		280 / 290	560 / 580	840 / 870	1 920 / 2 000	