



D Series
**AIR COOLED
CONDENSING UNITS
7 TO 13 HP**

Featuring Copeland®
Scroll Compressors



RUSSELL offers its line of 7 to 13 H.P. air cooled condensing units featuring Copeland® Scroll compressors. These condensing units are lighter in weight and very reliable when compared to similar designs using reciprocating compressors. Because of their heavy duty construction and the use of scroll compressors, the noise generated by the condensing units is greatly reduced. For smaller 2 to 6 H.P. scroll condensing units, see Russell's Minicon Publication RU-REL.



AIR COOLED CONDENSING UNITS 7 TO 13 HP

Medium Temperature

CAPACITY (BTUH) AT SUCTION TEMPERATURE (°F)

Model	40°	35°	30°	25°	20°	10°	0°	-10°	-20°
D*O7M44	73,630	67,720	62,150	56,900	51,960	43,010	35,230	28,540	22,810
D*O8M44	98,200	90,880	83,870	77,160	70,740	58,740	47,670	37,190	-
D*O10M44	122,980	114,390	106,120	98,160	90,510	76,200	63,130	51,120	-
D*O13M44	146,310	136,650	127,220	117,960	108,930	91,560	75,170	59,530	-

† - For 90°F ambient, multiply capacity by 1.03 correction factor. For 100°F ambient multiply capacity by 0.96, 0.93 for 105°F and 0.9 for 110°F ambient conditions.

PHYSICAL DATA

Model	Compressor	Nominal Horsepower	Dimensions (in.)			Ship WT. (LBS)		Receiver cap. @ 90% (LBS)	Connections (ODS)	
			L	W	H	Outdoor	Indoor		liquid	Suction
D*O7M44	ZS45K4E	7	68	48	37-1/4	870	510	52.0	5/8	1-1/8
D*O8M44	ZB58K5E	8	68	48	37-1/4	915	555	52.0	5/8	1-1/8
D*O10M44	ZB76K5E	10	68	48	37-1/4	1085	725	52.0	5/8	1-3/8
D*O13M44	ZB95K5E	13	68	48	37-1/4	1105	745	52.0	7/8	1-5/8

ELECTRICAL DATA

Model	208-230/3/60					460/3/60				575/3/60					
	Compressor		Condenser	TOTAL	Cond. Unit	Compressor		Condenser	TOTAL	Cond. Unit	Compressor		Condenser	TOTAL	Cond. Unit
	RLA	LRA	FLA	UNIT	MCA	RLA	LRA	FLA	UNIT	MCA	RLA	LRA	FLA	UNIT	MCA
D*O7M44	21.5	156	6.2	28.7	34.1	8.3	75	5.0	13.8	15.9	7.1	54	2.6	10.2	12.0
D*O8M44	30.8	195	6.2	38.0	45.7	16.0	95	5.0	21.5	25.5	12.2	80	2.6	15.3	18.4
D*O10M44	38.6	239	6.2	45.8	55.5	18.6	125	5.0	24.1	28.8	13.1	80	2.6	16.2	19.5
D*O13M44	47.4	298	6.2	54.6	66.5	21.8	150	5.0	27.3	32.8	18.7	123	2.6	21.8	26.5

Low Temperature

CAPACITY (BTUH) AT SUCTION TEMPERATURE (°F)

Model	-10°	-15°	-20°	-25°	-30°	-40°
D*O8L44	33,330	30,080	26,930	23,960	21,320	16,750
D*O10L44	45,770	41,270	36,770	32,700	28,910	22,070
D*O13L44	56,300	50,860	45,420	40,540	36,010	27,910

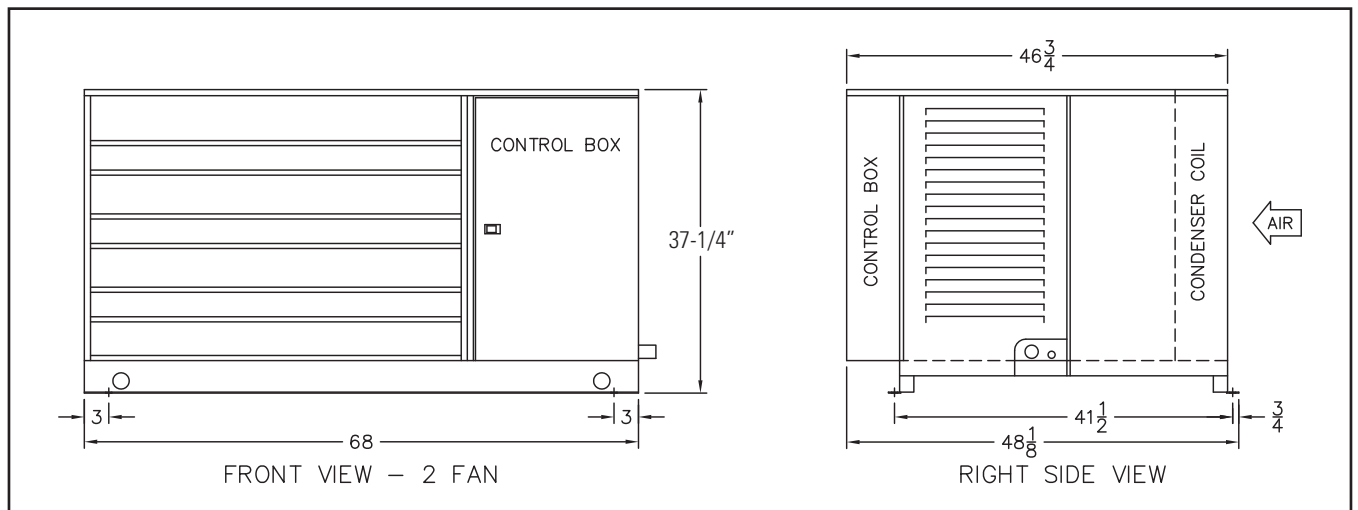
PHYSICAL DATA

Model	Compressor	Nominal Horsepower	Dimensions (in.)			Ship WT.(LBS)		Receiver cap. @ 90% (LBS)	Connections (ODS)	
			L	W	H	Outdoor	Indoor		liquid	Suction
D*O8L44	ZF25K4E	8	68	48	37-1/4	850	480	52.0	1/2	1-3/8
D*O10L44	ZF34K5E	10	68	48	37-1/4	1025	655	52.0	5/8	1-5/8
D*O13L44	ZF41K5E	13	68	48	37-1/4	1050	680	52.0	5/8	1-5/8

ELECTRICAL DATA

Model	208-230/3/60					460/3/60				575/3/60					
	Compressor		Condenser	TOTAL	Cond. Unit	Compressor		Condenser	TOTAL	Cond. Unit	Compressor		Condenser	TOTAL	Cond. Unit
	RLA	LRA	FLA	UNIT	MCA	RLA	LRA	FLA	UNIT	MCA	RLA	LRA	FLA	UNIT	MCA
D*O8L44	24.0	224	6.2	31.2	37.2	10.6	99	5.0	16.1	18.8	8.1	82	2.6	11.2	13.3
D*O10L44	33.3	239	6.2	40.5	48.9	16.0	100	5.0	21.5	25.5	12.8	100	2.6	15.9	19.1
D*O13L44	37.8	248	6.2	45.0	54.5	17.3	125	5.0	22.8	27.2	14.0	100	2.6	17.1	20.6

NOMENCLATURE: Replace * with **C** to indicate outdoor unit with no head pressure control, **L** for flooded head pressure control, **S** for Russaver model or **E** for indoor model.



Due to continuing product development, specifications are subject to change without notice.