



## COND-OCD

### MODELS

**COND-OCD-09**

**COND-OCD-12**

**COND-OCD-18**

**COND-OCD-24**

**COND-OCD-30**

**COND-OCD-36**



#### Product features

- Variable speed rotary compressor INVERTER with overload protection
- Electronic expansion valve for precise control of refrigerant flow
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance
- Large diameter quiet axial-flow fan for more efficient heat exchange
- Smart pan heater to prevent ice formation.
- Compressor blanket and preheating technology.
- Installation on epoxy/polyester powder coated adjustable steel wall bracket (optional)

#### Benefits and differentiators

- Access to Dettson’s high performance HVAC Right-Sized System®
- Very small footprint
- Quiet outdoor operation with a maximum dB range of 53 to 65 at full capacity
- Uniform temperature for thermal comfort
- Lower CFM for a quieter air distribution
- Low electrical consumption in both mode: heating and cooling

**Both refrigerant lines must be separately insulated in order to avoid condensation and to ensure the proper efficiency.**

	COND-OCD-09	COND-OCD-12	COND-OCD-18	COND-OCD-24	COND-OCD-30	COND-OCD-36
Liquid line dia (In)	1/4	1/4	1/4	1/4	1/4	1/4
Gas line dia (In)	3/8	1/2	5/8	5/8	5/8	5/8

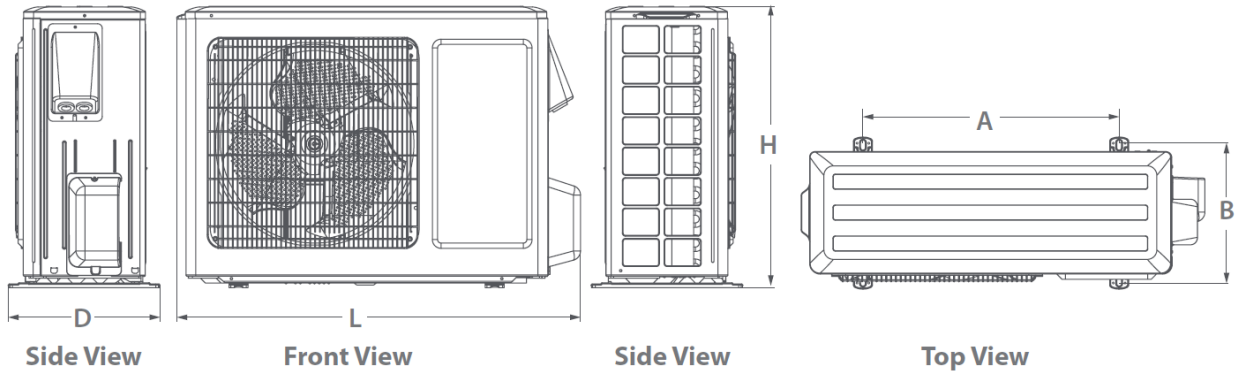


## PRODUCT SPECIFICATIONS

Model #		COND-OCD-09	COND-OCD-12	COND-OCD-18	COND-OCD-24	COND-OCD-30	COND-OCD-36
	<b>Quantity</b>						
Power Supply		208-230V / 60Hz / 1 Phase					
Cooling capacity	Nominal	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)	8206 (28000)	9847 (33600)
	Min. – max.	909 – 2813 (3100 – 9600)	909 – 3810 (3100 – 13000)	1993 - 5861 (6800 - 20000)	2000 - 8000 (6824 - 27296)	2781 – 8800 (9490 – 30030)	2169 – 10550 (7400 – 36000)
Heating capacity	Nominal	3224 (11000)	3810 (13000)	5803 (19800)	6741 (23000)	8323 (28400)	10140 (34600)
	Min. – max.	560 - 3517 (1911 - 12000)	703 - 4103 (2400 - 14000)	2151 - 6887 (7340 - 23500)	2000 - 9000 (6824 - 30708)	2931 – 9668 (10000 – 32990)	4390 – 10550 (14980 – 36000)
Used cooling power input	Nominal	W	630	960	1435	1830	
	Min. – max.	W	160 - 1300	200 - 1350	450 - 2150	450 - 3000	2750
Used heating power input	Nominal	W	1020	1100	1730	2000	
	Min. – max.	W	160-1350	400 - 1400	580 - 2600	450 - 3000	2800
Used rated input	W	1350	1400	2600	3000	4000	4300
Rated current	A	6	6.3	12.5	14.5	17.5	20
MCA	A	9	9	16	20	20	24
MOCP (Max. over-current protection)	A	15	15	25	30	30	40
SEER	-	23	22	20	20	18	18
HSPF	-	10.5	10.1	10	10	9	9
EER	W/W	4.19	3.66	3.68	3.66	3.00	2.40
COP	-	3.16	3.46	3.35	3.37	3	2.7
ENERGY STAR	-	✓	✓	✓	✓	-	-
Airflow volume	CFM	1059	2000	3200	2354	2354	2589
Sound level	dB(A)	53	54	55	59	62	65
Compressor power input	W	845	845	1440	2550	2450	3010
Compressor LRA	A	-	-	25	25	40	67
Compressor RLA	A	4	4	12.08	11.5	13.5	13.5
Fan motor power output	W	30	30	60	92	120	170
Fan motor RLA	A	-	0.36	0.49	0.65	0.45	0.89
Refrigerant volume (R410A)	Oz (g)	45.9 (1301)	47.6 (1349)	56.44 (1600)	77.6 (2200)	84.6 (2400)	91.7 (2600)
Net weight	lb (kg)	78 (35.5)	86 (39)	106 (48)	142 (65.5)	154 (70)	161 (73)
Cooling operating ambient temperature	°C (°F)	-18 to 46 (0 to 115)					
Heating operating ambient temperature	°C (°F)	-25 to 24 (13 to 75)					
<b>Connection piping/Refrigerant</b>							
Pre-charge length	ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Additional refrigerant charge	oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.2 (20)	0.5 (50)	0.5 (50)	0.2 (20)
Liquid pipe outer diameter	in.	1/4	1/4	1/4	1/4	1/4	1/4
Gas pipe outer diameter	in.	3/8	1/2	5/8	5/8	5/8	5/8
Maximum height difference	ft. (m)	33 (10)	33 (10)	33 (10)	33 (10)	33 (10)	33 (10)
Maximum total length	ft. (m)	49 (15)	66 (20)	82 (25)	82 (25)	98 (30)	98 (30)

# ACD

## UNIT DIMENSIONS

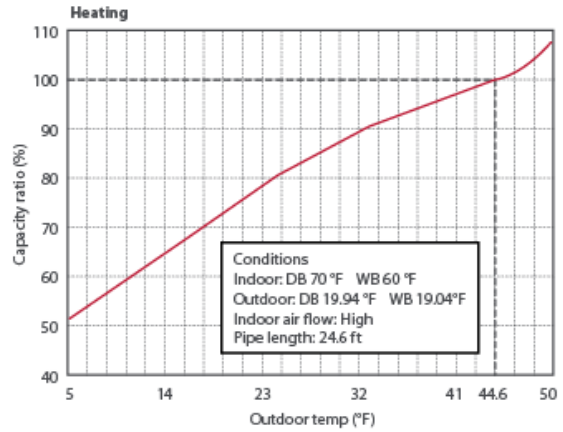
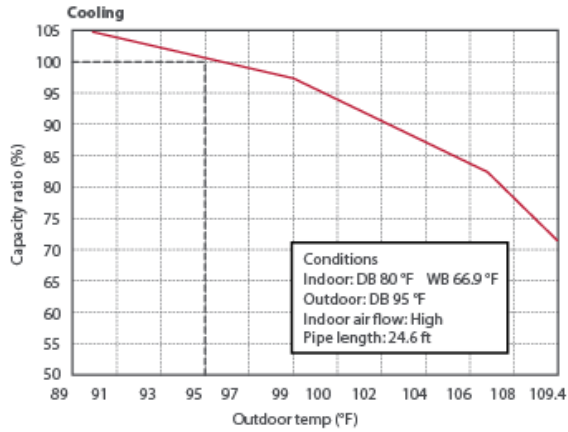


Model	L		H		P		A		B	
	in	mm	in	mm	in	mm	in	mm	in	mm
COND-OCD-09	33 3/8	848	21 1/4	540	12 5/8	320	21 1/4	540	11 1/4	286
COND-OCD-12	33 3/8	848	23 5/16	592	12 5/8	320	21 1/4	540	11 1/4	286
COND-OCD-18	37 5/8	955	27 9/16	700	15 9/16	396	22	559	14 5/16	364
COND-OCD-24	38 9/16	980	31 1/8	790	16 13/16	427	24	610	15 9/16	395
COND-OCD-30 COND-OCD-36	39 1/2	1003	31 1/8	790	14 9/16	370	24	610	15 9/16	395

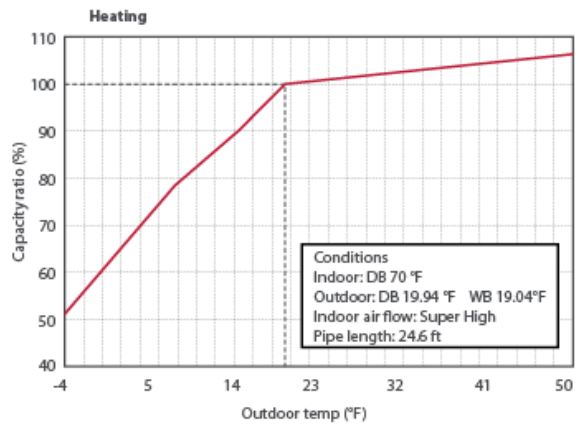
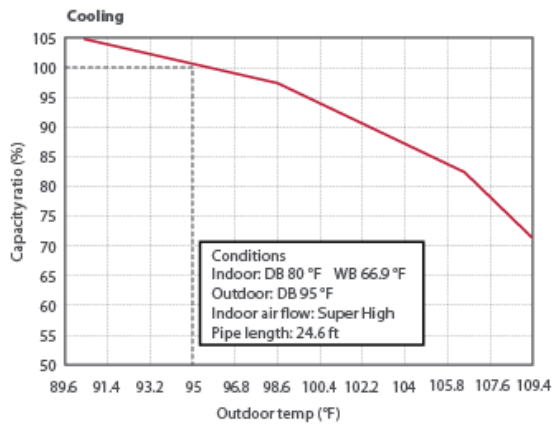


## Variation of the capacity ratio as a function of the outside temperature

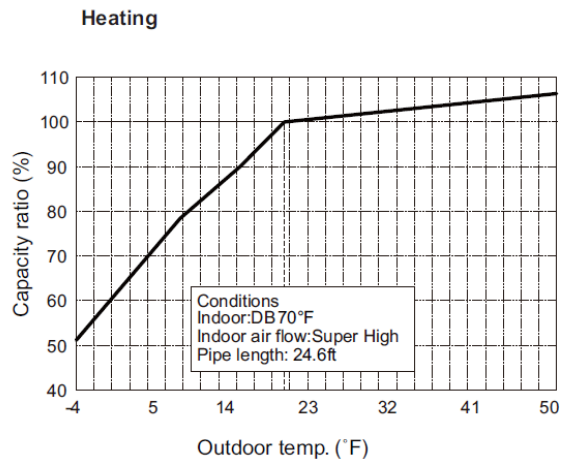
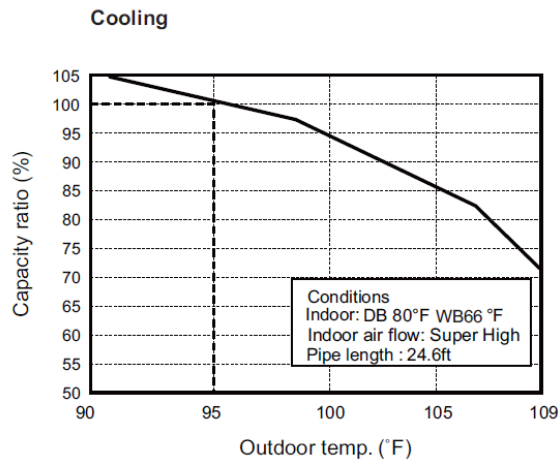
### GWH09 & GWH12



### GWH18 & GWH24



### GWH30 & GWH36





***Specifications can change without notice***

Project:	Approval Information
Consultant Engineer:	
Electrical Contractor:	
Distributor:	
Date:	
Contact at Dettson:	
Comments:	