



COOLECH Outdoors – Customized to your needs

COOLTECH condensing units series serve the need of the air conditioning application

The ACD series of COOLTECH Outdoor combine the latest in air conditioning technology with high quality internal threaded copper pipe as well as the option of using various type of compressor (Copleland/Danfoss).

Heavy duty galvanized powder coated sheet ensures the longevity of the product. Our range of universal outdoor undergoes rigorous quality checks including a 500 hour (anti rust) salt spray test. Cruise ensures high reliability and robust quality of its condensing units which have performed consistently well in varied cooling applications in Vietnam climatic conditions.

Maximum Efficiency

- ✓ Lower noise operation and higher efficiency with the new generation higher EER scroll compressor.
- ✓ Single rotating assembly minimizes the friction and mechanical losses.
- ✓ Solid mount with no internal suspension to be worn out.
- ✓ Smooth operation, similar to a centrifugal compressor, give low torque variation and extend motor life and minimal vibration reducing wear.
- ✓ Integral element bearings for higher efficiency reduced friction. No suction or discharge valves for improved efficiency compared to a reciprocating compressor.

OUTDOOR UNIT

Model	CCD -60	CCD -75	CCD -100	CCD -150
Single compressor	x	x	x	
Dual compressor				x
Model	CCD -180	CCD -200	CCD -240	CCD -360
Single compressor				
Dual compressor	x	x	x	x
Model	CCD -400	CCD -450	CCD -480	CCD -720
Single compressor				
Dual compressor	x	x	x	x

GENERAL DATA

Model		CCD - 60	CCD - 75	CCD - 100	CCD - 120	CCD - 150
Electric data						
Main power supply	V/Ph/Hz	380-415/3/50				
Minimum Circuit Ampacity	A	13.4	15.45	18.05	19.7	28.5
Compressor						
Number		1	1	1	1	2
Type		Hermetic scroll				
Rated Amps (each)	A	10	16.4	15.8	17.65	25.6
Motor RPM	RPM	2,900	2,900	2,900	2,900	2,900
System data						
Refrigerant Circuit		1	1	1	1	1
Suction line	mm	28.6	28.6	28.6	28.6	28.6
Liquid line	mm	9.5	12.7	15.9	15.9	15.9
Outdoor coil						
Type		Louver fin	Slit fin	Corrugated	Corrugated	Corrugated
Tube size	mm	9.5	9.5	9.5	9.5	9.5
Face area	m ²	1.1	1.4	1.78	1.78	1.78
Rows		2	2	2	2.5	3
Fins per inch		21	16	14	14	14
Outdoor fan						
Air flow	CMH	4,590	8,330	15000	15000	15000
Motor number		2	1	1	1	1
Motor	W	50	590	590	590	590
R407 Refrigerant charge		Fully Refrigerant charge				
Dimension (H x W x L)						
Uncrated	mm	1,254x988 x350	1,050x1,060 x950	1,138x1,041 x1,126	1,138x1,041 x1,126	1,138x1,041 x1,126
Net weight	Kg	95	160	200	210	215

GENERAL DATA

Model		CCD - 180	CCD - 200	CCD - 300	CCD - 360
Electric data					
Main power supply	V/Ph/Hz	380-415/3/50			
Minimum Circuit Ampacity	A	30.3	35.8	39.4	57
Compressor					
Number		2	2	2	2
Type		Hermetic scroll			
Rated Amps (each)	A	12.5	15.8	17.65	25.6
Motor RPM	RPM	2900	2900	2900	2900
System data					
Refrigerant Circuit		2	2	2	2
Suction line	mm	34.9	34.9	34.9	34.9
Liquid line	mm	12.7	12.7	12.7	12.7
Outdoor coil					
Type		Corrugated	Corrugated	Corrugated	Corrugated
Tube size	mm	9.5	9.5	9.5	9.5
Face area	m ²	3.486	3.485	3.485	3.485
Rows		2	2	2	3
Fins per inch		12	14	16	16
Outdoor fan					
Air flow	CMH	19,600	19,600	23000	25485
Motor number		2	2	2	2
Motor	W	420	420	300	550
R407 Refrigerant charge		Fully Refrigerant charge			
Dimension (H x W x L)					
Uncrated	mm	1,052 x2,200 x 1,050	1,052 x2,200 x 1,051	1,052 x2,200 x 1,052	1,465 x1,222 x 2,952
Net weight	Kg	500	510	520	550

GENERAL DATA

Model		CCD - 400	CCD - 450	CCD - 600	CCD - 720
Electric data					
Main power supply	V/Ph/Hz	380-415/3/50			
Minimum Circuit Ampacity	A	71	84.7	113	121.4
Compressor					
Number		4	3	4	6
Type	Hermetic scroll				
Rated Amps (each)	A	15.8	25.6	25.6	17.65
Motor RPM	RPM	2900	2900	2900	2900
System data					
Refrigerant Circuit		4	3	4	6
Suction line	mm	28.6	34.9	34.9	28.6
Liquid line	mm	15.88	19.1	19.1	15.9
Outdoor coil					
Type		Corrugated	Corrugated	Corrugated	Corrugated
Tube size	Mm	9.5	9.5	9.5	9.5
Face area	M2	5.32	5.32	5.18	5.18
Rows		2	3	3	4
Fins per inch		16	14	16	16
Outdoor fan					
Air flow	CMH	40,500	40,500	54000	54000
Motor	W	590 x 3	590 x 3	590 x 4	590 x 6
R407 Refrigerant charge	Fully refrigerant charge				
Dimension (H x W x L)					
Uncrated	mm	1,238x1,041 x2,920	1,238x1,041 x2,920	1,238x2,100 x2,005	1,238x2,100 x2,005
Net weight	Kg	825	800	1000	1110