

## DCU+ Ducted Outdoor Units

**THE DCU+ ARE OUTDOOR UNITS FITTED WITH CENTRIFUGAL FANS AND DESIGNED FOR SITING INDOORS WITH OUTDOOR AIR BEING DUCTED INTO AND OUT OF THE BUILDING**

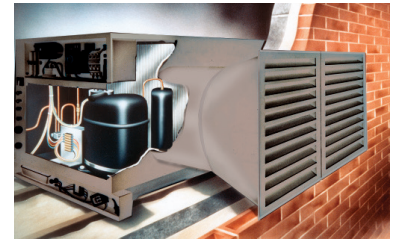
The units are particularly suited to visually sensitive applications or where local planning regulations do not allow equipment on the outside of the buildings.

### Specification

- 2.5 - 6.6kW nominal cooling duty
- Suitable for ducted indoor applications
- Reciprocating compressors
- Suction and liquid service valves
- Fan speed head pressure control
- Crankcase Heater
- Contactor
- LP switch (auto) & HP switch (auto)
- 3 minute delay timer
- Easy access for installation and service
- Random start timer
- Low ambient start timer
- Factory charged with R407C refrigerant
- Ducted air inlet and/or discharge
- Compressor Jacket

### Options

- CSR 1 Phase
- Overload on 1 Phase (Standard on 3ph)
- Condensate pump 5m head with overflow protection
- Volt free relay / HP switch (with alarm output)
- Isolator
- Expansion device (orifice)



# Technical Information

MODEL	AIR ON TO CONDENSER °C	SATURATED SUCTION TEMPERATURE °C											
		-2.5		0		2.5		5		7.5		10	
		COOLING CAPACITY AND POWER INPUT kW											
		CAP	POWER	CAP	POWER	CAP	POWER	CAP	POWER	CAP	POWER	CAP	POWER
DCU+ 15	25	1.88	0.97	2.12	1.03	2.35	1.08	2.61	1.13	2.87	1.16	3.21	1.19
	30	1.71	1.00	1.94	1.07	2.17	1.11	2.43	1.17	2.74	1.21	2.98	1.25
	35	1.67	1.05	1.88	1.12	2.02	1.17	2.33	1.23	2.55	1.27	2.68	1.32
	40	1.47	1.07	1.74	1.16	1.87	1.21	2.17	1.26	2.37	1.32	2.57	1.35
	45	1.45	1.10	1.63	1.19	1.83	1.27	2.01	1.32	2.29	1.35	2.38	1.41
DCU+ 20	25	2.25	1.19	2.49	1.26	2.71	1.30	2.96	1.35	3.22	1.41	3.49	1.46
	30	2.08	1.22	2.31	1.28	2.54	1.34	2.78	1.40	3.01	1.45	3.26	1.51
	35	1.94	1.26	2.16	1.33	2.38	1.40	2.61	1.46	2.84	1.52	3.05	1.58
	40	1.83	1.30	2.04	1.37	2.25	1.44	2.46	1.50	2.66	1.56	2.86	1.63
	45	1.73	1.34	1.92	1.43	2.11	1.50	2.30	1.56	2.49	1.62	2.68	1.69
DCU+ 30	25	2.87	1.44	3.22	1.52	3.53	1.59	3.74	1.65	4.12	1.72	4.49	1.75
	30	2.71	1.48	3.06	1.57	3.27	1.63	3.51	1.70	3.84	1.77	4.19	1.82
	35	2.59	1.55	2.82	1.62	3.03	1.70	3.36	1.77	3.68	1.85	3.79	1.92
	40	2.38	1.59	2.71	1.67	2.80	1.75	3.12	1.82	3.32	1.90	3.62	1.97
	45	2.11	1.65	2.43	1.73	2.53	1.83	2.84	1.91	-	-	-	-
DCU+ 40	25	3.81	1.80	4.23	1.91	4.46	2.01	4.75	2.07	5.09	2.17	5.47	2.26
	30	3.56	1.87	3.97	1.97	4.27	2.04	4.57	2.13	4.79	2.23	5.16	2.32
	35	3.27	1.91	3.63	2.00	3.93	2.09	4.32	2.17	4.59	2.27	4.83	2.37
	40	3.17	1.96	3.41	2.05	3.31	2.13	4.03	2.22	4.28	2.34	-	-
	45	2.98	2.02	3.20	2.09	-	-	-	-	-	-	-	-
DCU+ 50	25	4.57	1.87	5.09	2.03	5.51	2.14	5.97	2.25	6.41	2.38	6.79	2.51
	30	4.34	1.95	4.75	2.09	5.25	2.19	5.63	2.32	6.04	2.45	6.49	2.58
	35	3.94	2.00	4.42	2.13	4.91	2.24	5.29	2.36	5.75	2.49	6.09	5.65
	40	3.76	2.05	4.22	2.18	4.58	2.29	5.04	2.41	5.39	2.58	5.69	2.74
	45	3.50	2.12	3.93	2.22	4.37	2.35	4.69	2.48	-	-	-	-
DCU+ 60	25	4.96	2.28	5.48	2.44	5.99	2.58	6.45	2.72	6.97	2.84	7.46	2.96
	30	4.62	2.37	5.10	2.52	5.64	2.64	6.11	2.78	6.62	2.91	7.07	3.04
	35	4.33	2.42	4.81	2.56	5.30	2.70	5.79	2.84	6.25	2.97	6.67	3.12
	40	4.06	2.48	4.52	2.62	4.98	2.76	5.44	2.89	5.88	3.07	-	-
	45	3.81	2.56	4.24	2.67	-	-	-	-	-	-	-	-
DCU+ 80	25	5.90	2.68	6.44	2.88	6.84	3.05	7.31	3.18	7.73	3.33	8.21	3.47
	30	5.49	2.78	6.01	2.97	6.51	3.10	6.99	3.26	7.38	3.41	7.82	3.56
	35	5.09	2.85	5.60	3.02	6.09	3.17	6.57	3.32	6.93	3.47	7.35	3.64
	40	4.76	2.92	5.32	3.08	5.68	3.23	6.15	3.38	-	-	-	-
	45	4.54	3.00	-	-	-	-	-	-	-	-	-	-

## Sound Levels

SOUND PRESSURE LEVELS		
MODEL	FAN SPEED dBA	
	LOW	HIGH
DCU+ 15	35	52
DCU+ 20	35	52
DCU+ 30	35	52
DCU+ 40	35	52
DCU+ 50	44	54
DCU+ 60	44	54
DCU+ 80	44	54

Sound pressure levels measured at 3m distance from unit in anechoic conditions

## Dimensions and Weights

DIMENSIONS AND WEIGHTS - DCU+					
MODEL	HEIGHT (mm)**	WIDTH (mm)	DEPTH (mm)	SPIGOT (mm)	WEIGHT (mm)
DCU+ 15	495	1004	490	354	69
DCU+ 20	495	1004	490	354	70
DCU+ 30	495	1004	490	354	70
DCU+ 40	560	1174	490	354	72
DCU+ 50	560	1174	490	404	81
DCU+ 60	560	1174	490	404	81
DCU+ 80	560	1174	490	404	84

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TEV has earned management system accreditations – BSI 14001: 2015 Environmental Management and BSI 9001: 2015 Quality Management.

