

## Refrigeration & Air Conditioning

**LOW TEMPERATURE AIR CONDITIONING EXTENDING OUR RANGE OF LOW TEMPERATURE SYSTEMS, MARSTAIR HAVE INTRODUCED OUR DXT AND HLR LOW TEMPERATURE AIR CONDITIONING SYSTEM MATCHES.**



The indoor units can either be vertical low wall mounted or horizontal ceiling mounted and system match with a wide range of capacities at low temperatures (2 -10kW).

Small, low noise level outdoor units (CKC+) are available for the heat extraction or alternatively a ducted heat extract unit (DCU+) can be used where outdoor unit installations are not an option.

These high quality cooling systems are manufactured in the UK to the BS EN 14001 environmental standards.

For further information please contact our Technical Department on **01484 405666** or email us at **[sales@marstair.com](mailto:sales@marstair.com)**



**DXT R407C, R410A, R404A, R134A COOLING ONLY**  
**The DXT series of low temperature air-conditioning systems comprise of vertical wall mounted and horizontal ceiling or void mounted DX fan coil units. These systems provide cooling down to 10°C where low sound levels are essential and are ideal for working or domestic environments.**

Some systems are available down to 8°C. Please contact our technical department on 01484 405666 for more information.

This new product is available as a standard chassis unit for void mounting or with a stylish cabinet for surface mounting on walls or ceilings. Chassis units may be free blow or ducted.

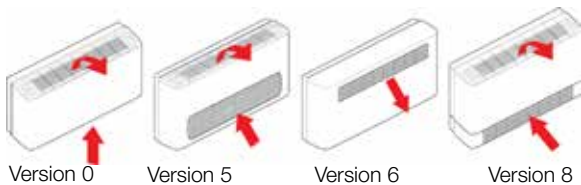


## Specification

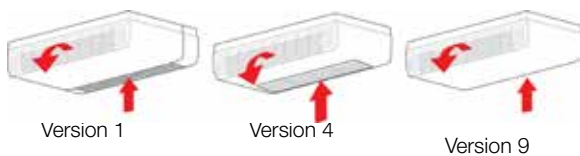
- Quiet in use - room occupants will appreciate the very low sound levels
- Class 'O' fire rated thermal and acoustic insulation
- Compact, low energy motors fitted to forward curved centrifugal fans
- All models are available with various air inlet and discharge combinations
- Units are available with AC or EC/DC fan motors. AC fans are fitted with a multi-tap transformer providing up to six fan speeds, whilst EC/DC fans may be used for variable speed control via a potentiometer or a 0-10V output from a digital controller
- Units are easily and safely installed using the key-hole slots in the back panel to mount them on a wall or ceiling, or to hang from drop rods
- Various control options are available.
- Servicing is made easy with simple access to the standard EU2 filter, the fan assemblies and any unit mounted controls.
- Chassis and cased versions providing ducted or free blow options
- Matching outdoor units are factory charged with R407C refrigerant
- Long pipe runs up to 80m (CKC/DCU+15-20 50m only)
- Condensate pump option
- Electric heater option

### CONFIGURATION OPTIONS

#### Vertical Cased Units

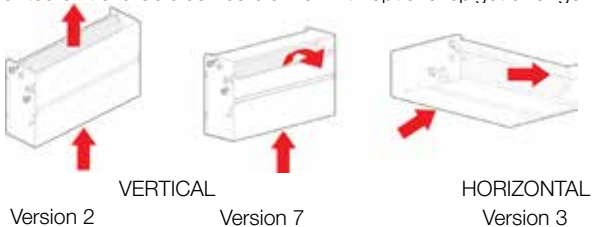


#### Horizontal Cases Units



#### Chassis Units - Standard

Void mounted unit available as free blow or with optional spigot arrangements



#### Chassis Units - Drain Tray / Electrics Box



Chassis Version	DXT Unit Model	DXT Unit Size							
		10	20	40	60	70	90	100	120
Chassis Versions 2 & 7	Length (mm) L	420	620	820	1020	1020	1220	1385	1685
	Length (mm) A	102	102	102	102	102	102	130	130
	Length (mm) B	100	100	100	100	100	100	100	100
	Length + A + B (mm)	622	822	1022	1222	1222	1422	1610	1910
	Height (mm)	460	460	460	460	565	565	585	585
Chassis Versions 3	Length (mm) L	420	620	820	1020	1020	1220	1385	1685
	Length (mm) A	130	130	130	130	160	160	160	160
	Length (mm) B	100	100	100	100	100	100	100	100
	Length + A + B (mm)	650	850	1050	1250	1280	1480	1640	1940
	Height (mm)	460	460	460	460	565	565	585	585
Cased Versions 0 & 9	Length (mm)	660	860	1060	1260	1260	1460	1660	1960
	Height (mm)	480	480	480	480	585	585	602	602
	Depth (mm)	225	225	225	225	225	225	257	257
Cased Versions 1 & 8	Length (mm)	660	860	1060	1260	1260	1460	1660	1960
	Height (mm)	610	610	610	610	715	715	735	735
	Depth (mm)	225	225	225	225	225	225	257	257
Cased Versions 4 & 5	Length (mm)	660	860	1060	1260	1260	1460	1660	1960
	Height (mm)	480	480	480	480	585	585	602	602
	Depth (mm)	225	225	225	225	225	225	257	257
Cased Version 6	Length (mm)	659	859	1059	1259	1259	1459	-	-
	Height (mm)	476	476	476	476	581	581	-	-
	Depth (mm)	227	227	227	227	227	227	-	-

## Technical Information

DXT MODEL		10°C & 70% RH			12.7°C & 70% RH			15°C & 70% RH		
		TOTAL DUTY	CELLAR VOLUME		TOTAL DUTY	CELLAR VOLUME		TOTAL DUTY	CELLAR VOLUME	
INDOOR	OUTDOOR		ABOVE GROUND	BELOW GROUND		ABOVE GROUND	BELOW GROUND		ABOVE GROUND	BELOW GROUND
DXT 90	CKC+/DCU+ 20	2.25	16	21	-	-	-	-	-	-
DXT 100	CKC+/DCU+ 30	2.75	20	27	-	-	-	-	-	-
DXT 120	CKC+/DCU+ 40	3.35	26	36	-	-	-	-	-	-
DXT 70	CKC+/DCU+ 15	-	-	-	1.87	15	20	-	-	-
DXT 90	CKC+/DCU+ 30	-	-	-	2.95	27	36	-	-	-
DXT 100	CKC+/DCU+ 40	-	-	-	3.35	33	43	-	-	-
DXT 120	CKC+/DCU+ 50	-	-	-	4.50	46	59	-	-	-
DXT 70	CKC+/DCU+ 20	-	-	-	-	-	-	2.20	24	32
DXT 90	CKC+/DCU+ 40	-	-	-	-	-	-	3.47	40	54
DXT 100	CKC+/DCU+ 50	-	-	-	-	-	-	4.35	53	71
DXT 120	CKC+/DCU+ 80	-	-	-	-	-	-	5.70	72	92

## Outdoor Condensing Unit Information

CASE DIMENSIONS AND WEIGHTS - CKC+ 15-100						
MODEL	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	WEIGHT (mm)		SOUND LEVELS dBA
				1Ph	3Ph	
CKC+ 15	560	900	300	45	-	40
CKC+ 20	560	900	300	46	-	40
CKC+ 30	560	900	300	48	48	41
CKC+ 40	560	900	300	53	53	41
CKC+ 50	660	1000	300	64	62	40
CKC+ 60	660	1000	300	65	63	40
CKC+ 80	660	1000	300	66	64	40
CKC+ 90	760	1000	350	76	73	43
CKC+ 100	760	1000	350	-	81	44
CKC+ 130	1020	1000	425	-	101	43
CKC+ 150	1020	1000	425	-	103	43



Sound pressure levels at 10m distance in free field conditions  
(reference  $2 \times 10^{-5} \text{N/m}^2$ )

CASE DIMENSIONS AND WEIGHTS - DCU+ 15-80					
MODEL	HEIGHT (mm)**	WIDTH (mm)	DEPTH (mm)	SPIGOT (mm)	WEIGHT (mm)
DCU+ 15	495	1004	510	354	75
DCU+ 20	495	1004	510	354	75
DCU+ 30	495	1004	510	354	77
DCU+ 40	560	1174	510	404	86
DCU+ 50	560	1174	510	404	90
DCU+ 60	560	1174	510	404	91
DCU+ 80	560	1174	510	404	92



\*\*Not including mounting feet 65mm



## CORROSION PROTECTION A WIDE RANGE OF CASE AND HEAT EXCHANGER MATERIAL OPTIONS FOR CORROSIVE MARINE ENVIRONMENTS.

Coastal, Extreme High and Low Ambients, Harsh Dusty Environments and Large & Small Vessels.

- Case Material Options
  - Plastisol Coating
  - Stainless Steel
- Heat Exchanger Options
  - Copper Tube Aluminium Fins
  - Corrosion Protective Coating
  - Copper Tube & Fins



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



In partnership with

**QUARTZ**  
PAN COILS AND FITTINGS



**Part No: 06617711-09**