

# Refrigeration & Air Conditioning

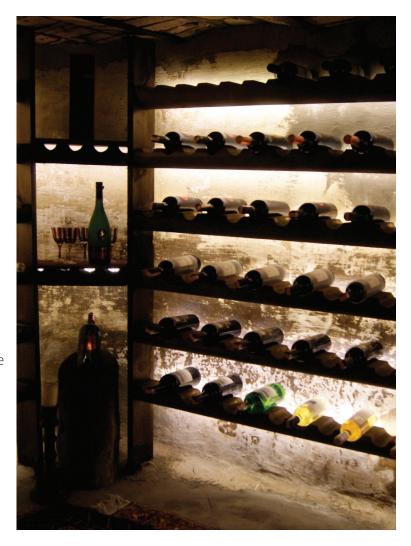
WINE CELLAR COOLERS
MARSTAIR HAS THE PERFECT
RANGE OF SOLUTIONS FOR DOMESTIC AND COMMERCIAL WINE
CELLAR COOLING FOR A WIDE
RANGE OF CELLAR SIZES.

Attractive and quiet high wall mounted cooling units (WM) with long air throws or concealed ducted cooling units (DXD) where the cooling systems need only be felt but not be seen or heard.

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** 









## Wine Cellar Cooling Solutions

DXD CONCEALED DUCTED UNIT THE DXD SERIES IS A CONCEALED, DUCTED SPLIT SYSTEM DESIGNED FOR HORIZONTAL CEILING VOID APPLICATIONS AND SUPPLIED COMPLETE WITH A DISCHARGE PLENUM AND SPIGOTS. IDEAL FOR IRREGULAR SHAPED ROOMS, AND WHERE LOW SOUND LEVELS ARE ESSENTIAL.

Designed and manufactured in the UK using high quality components, the DXD is available with cooling duties for above ground cellars up to 70m<sup>3</sup> and below ground cellars up to 89m<sup>3</sup> at 12.7°C.

The DXD exhibits all of the features expected from a modern, high quality split system whilst remaining exceptionally competitive.



## **Specification**

- Low sound levels
- De-Ice thermostat
- Easy filter access
- Long pipe runs up to 80m (CKC/DCU+15-20 50m only)
- Matching outdoor units are factory charged with R407C refrigerant
- Hard wired controller
- · 250mm Spigots

### **Options**

- Condensate pump
- Electric heating
- LPHW
- Return air plenum
- · 200mm spigots
- Fresh air inlet
- · Return air sensor
- Programmable timer cable (for wired control)

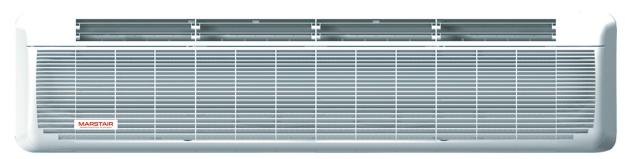
DIMENSIONS									
	Width (mm)			Length (mm)					
Unit Model	Case Only	Inc. Tray	Case Only	Case Inc. Inlet Plenum	Spigot Depth	Depth (mm)	Weight (mm)		
DXD 50	630	860	886	1144	47	285	42		
DXD 60	880	1110	886	1144	47	285	52		
DXD 90	1230	1460	886	1144	47	285	69		
DXD 130	1430	1660	886	1144	47	285	86		
DXD 150	1780	2010	886	1144	47	285	103		







## Wine Cellar Cooling Solutions



WM - WALL MOUNTED UNIT THE WALL MOUNTED WM SERIES IS IDEAL FOR COMMERCIAL AND DOMESTIC APPLICATIONS AND THE UNITS ARE VERSATILE AND SIMPLE TO INSTALL AND MAINTAIN.

Designed for high wall mounting, the hi-level front air flow optimizes the Coanda effect, pushing air forward from the top of the unit for effective air distribution, minimising draughts.

Designed and manufactured in the UK using high quality components, the wall mounted WM range is available in 3 models with cooling duties for above ground cellars up to 36m3 and below ground cellars up to 47m3 at 12.7°C. Matching outdoor units are factory charged with R407C refrigerant and have the option of extra long pipe runs for added flexibility.

## **Specification**

- Low sound levels
- Space saving 'V'-shaped heat exchanger
- Adjustable air deflectors
- · Long life washable filters
- De-ice thermostat
- Wipe clean, lightweight one-piece removable cover
- Long pipe runs up to 80m (CKC/DCU+15-20 50m only)
- Matching outdoor units are charged with R407C refrigerant
- Hard wired controller
- Optional built-in condensate pump kit
- Optional background electric heating or boost heating
- Optional remote temperature sensor
- The WM can be networked as either a multi-split or group control system

DIMENSIONS								
Unit Model	Height (mm)	Width (mm)	Depth (mm)	Weight (approx Kg)				
WM 60	350	1200	223	19				
WM 80	350	1500	223	23				
WM 100	350	1800	223	27				





### **Technical Information**

MODEL		10°C & 70% RH			12.7°C & 70% RH			15°C & 70% RH		
		TOTAL	CELLAR	VOLUME	TOTAL	CELLAR VOLUME		TOTAL	CELLAR VOLUME	
INDOOR	OUTDOOR	TOTAL DUTY	ABOVE GROUND	BELOW GROUND	TOTAL DUTY	ABOVE GROUND	BELOW GROUND	TOTAL DUTY	ABOVE GROUND	BELOW GROUND
WM60	CKC/DCU+15	1.66	11	14	-	-	-	-	-	-
WM80	CKC/DCU+20	2.29	16	21	-	-	-	-	-	-
WM100	CKC/DCU+30	2.96	22	28	-	-	-	-	-	-
DXD50	CKC/DCU+15	1.90	13	17	-	-	-	-	-	-
DXD60	CKC/DCU+20	2.43	17	22	-	-	-	-	-	-
DXD90	CKC/DCU+40	3.83	29	38	=	-	-	=	-	-
DXD130	CKC/DCU+40	3.89	30	38	-	-	-	-	-	-
DXD150	CKC/DCU+50	5.08	40	51	-	-	-	-	-	-
WM60	CKC/DCU+20	-	-	-	2.26	21	27	-	-	-
WM80	CKC/DCU+40	-	-	-	3.47	35	45	-	-	-
WM100	CKC/DCU+40	-	-	-	3.60	36	47	-	-	-
DXD50	CKC/DCU+20	-	-	-	2.51	24	31	-	-	-
DXD60	CKC/DCU+30	-	-	-	3.22	32	41	-	-	-
DXD90	CKC/DCU+60	-	-	-	5.49	58	74	-	-	-
DXD130	CKC/DCU+60	-	-	-	5.61	59	76	-	-	-
DXD150	CKC/DCU+80	-	-	-	6.56	70	89	-	-	-
WM60	CKC/DCU+30	-	-	-	-	-	-	2.96	35	45
WM80	CKC/DCU+50	-	-	-	-	-	-	4.55	56	72
WM100	CKC/DCU+60	-	-	-	-	-	-	5.01	62	80
DXD50	CKC/DCU+30	-	-	-	-	-	-	3.28	39	50
DXD60	CKC/DCU+40	-	-	-	-	-	-	3.87	47	60
DXD90	CKC/DCU+80	-	-	-	-	-	-	6.56	83	107
DXD130	CKC+90	-	-	-	-	-	-	7.47	95	122
DXD150	CKC+100	-	-	-	-	-	-	8.37	107	138

Performances shown at low speed for low sound levels at 27°C external ambient. Please contact Marstair technical support on 01484 405666 for sound figures

## **Options & Matches**

DIMENSIONS AND WEIGHTS - CKC+ 15-100								
MODEL	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	WEI	SOUND LEVELS			
	(,	(,	()	1Ph	3Ph	dBA		
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		

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

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			

<sup>\*\*</sup>Not including mounting feet 65mm

















Part No: 06617673-06