

Refrigeration & Air Conditioning

WINE CELLAR COOLERS MARSTAIR HAS THE PERFECT RANGE OF SOLUTIONS FOR DO- MESTIC 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 (MCU+) 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 70m³ and below ground cellars up to 89m³ 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 (MCU/DCU+15-20 50m only)
- Matching outdoor units are factory charged with R407C refrigerant
- Hard wired controller
- 250mm Spigots

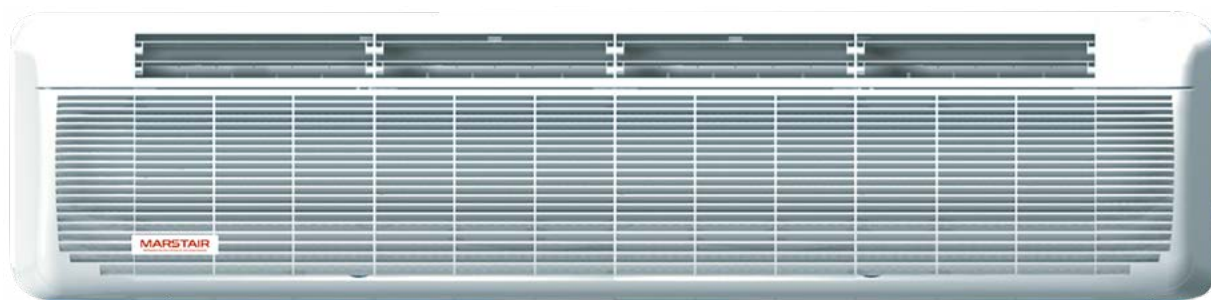
Options

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

DIMENSIONS

Unit Model	Width (mm)		Length (mm)			Depth (mm)	Weight (mm)
	Case Only	Inc. Tray	Case Only	Case Inc. Inlet Plenum	Spigot Depth		
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 (MCU/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 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
WM60	MCU/DCU+15	1.66	11	14	-	-	-	-	-	-
WM80	MCU/DCU+20	2.29	16	21	-	-	-	-	-	-
WM100	MCU/DCU+30	2.96	22	28	-	-	-	-	-	-
DXD50	MCU/DCU+15	1.90	13	17	-	-	-	-	-	-
DXD60	MCU/DCU+20	2.43	17	22	-	-	-	-	-	-
DXD90	MCU/DCU+40	3.83	29	38	-	-	-	-	-	-
DXD130	MCU/DCU+40	3.89	30	38	-	-	-	-	-	-
DXD150	MCU/DCU+50	5.08	40	51	-	-	-	-	-	-
WM60	MCU/DCU+20	-	-	-	2.26	21	27	-	-	-
WM80	MCU/DCU+40	-	-	-	3.47	35	45	-	-	-
WM100	MCU/DCU+40	-	-	-	3.60	36	47	-	-	-
DXD50	MCU/DCU+20	-	-	-	2.51	24	31	-	-	-
DXD60	MCU/DCU+30	-	-	-	3.22	32	41	-	-	-
DXD90	MCU/DCU+60	-	-	-	5.49	58	74	-	-	-
DXD130	MCU/DCU+60	-	-	-	5.61	59	76	-	-	-
DXD150	MCU/DCU+80	-	-	-	6.56	70	89	-	-	-
WM60	MCU/DCU+30	-	-	-	-	-	-	2.96	35	45
WM80	MCU/DCU+50	-	-	-	-	-	-	4.55	56	72
WM100	MCU/DCU+60	-	-	-	-	-	-	5.01	62	80
DXD50	MCU/DCU+30	-	-	-	-	-	-	3.28	39	50
DXD60	MCU/DCU+40	-	-	-	-	-	-	3.87	47	60
DXD90	MCU/DCU+80	-	-	-	-	-	-	6.56	83	107
DXD130	MCU+90	-	-	-	-	-	-	7.47	95	122
DXD150	MCU+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 - MCU+ 15-100						
MODEL	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	WEIGHT (mm)		SOUND LEVELS dBA
				1Ph	3Ph	
MCU+ 15	560	900	300	45	-	40
MCU+ 20	560	900	300	46	-	40
MCU+ 30	560	900	300	48	48	41
MCU+ 40	560	900	300	53	53	41
MCU+ 50	660	1000	300	64	62	40
MCU+ 60	660	1000	300	65	63	40
MCU+ 80	660	1000	300	66	64	40
MCU+ 90	760	1000	350	76	73	43
MCU+ 100	760	1000	350	-	81	44

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



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



T: 01484 405 666
E: sales@marstair.com



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



In partnership with



Part No: 06617673-05