

# Swords Cultural Centre

## Fan Coil Unit Schedule

Suitable for Stage  
Approval

October 2023

SCQ-ZZ-XXX-SH-MXF-ME-10001 <sup>1</sup>

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status code	revision	status description	project	originator	volume	level	type	role	number
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## ISSUE HISTORY

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## MAX FORDHAM LLP TEAM CONTRIBUTORS

name	role
BM	Project Engineer

## NOTES

index	notes
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# DX-I-1 - Multi split DX indoor unit, serving local IT comms rooms

[ [toc](#)] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	DX-I
Type Reference	1
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units
Construction Data	
Type	Wall mounted
Dimensional Data	
Overall Length	798.0 mm
Overall Width	189.0 mm
Overall Height	295.0 mm
Gross Weight	12.0 kg
Performance Data	
Cooling Output	2000.0 W
Application Data	
Notes	R32 refrigerant
Application	Multi split DX indoor unit, serving local IT comms rooms
Electrical Data	
Voltage	230.0 V
Frequency	50.0 Hz

# DX-O-1 - Multi-Split DX outdoor unit, serving DX-I-1

[ [toc](#)] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	DX-O
Type Reference	1
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units
Dimensional Data	
Overall Length	340.0 mm
Overall Width	958.0 mm
Overall Height	734.0 mm
Gross Weight	57.0 kg
Performance Data	
Cooling Output	6000.0 W
Application Data	
Notes	R32 refrigerant
Application	Multi-Split DX outdoor unit, serving DX-I-1
Electrical Data	
Voltage	230.0 V
Frequency	50.0 Hz

# DX-I-2 - Single split DX indoor unit, serving IT comms room and Dimmer/AV room

[[🔗 toc](#)] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	DX-I
Type Reference	2
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Type	Wall mounted

Dimensional Data	
Overall Length	798.0 mm
Overall Width	189.0 mm
Overall Height	295.0 mm
Gross Weight	12.0 kg

Performance Data	
Cooling Output	3400.0 W

Application Data	
Notes	R32 refrigerant
Application	Single split DX indoor unit, serving IT comms room and Dimmer/AV room

Electrical Data	
Voltage	230.0 V
Frequency	50.0 Hz

# DX-O-2 - Single Split DX outdoor unit, serving DX-I-2

[ [toc](#)] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	DX-O
Type Reference	2
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units
Dimensional Data	
Overall Length	285.0 mm
Overall Width	765.0 mm
Overall Height	550.0 mm
Gross Weight	32.0 kg
Performance Data	
Cooling Output	3400.0 W
Application Data	
Notes	R32 refrigerant
Application	Single Split DX outdoor unit, serving DX-I-2
Electrical Data	
Voltage	230.0 V
Frequency	50.0 Hz

# FCU-1

[ *toc*] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	1
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW Heating FCU

Dimensional Data	
Overall Length	1432.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	0.0 W
Heating Output	1600.0 W
Air Volume Flowrate	0.16 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	29.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>• Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics.</li><li>• Inbuilt air volume potentiometer</li><li>• Inbuilt on/off switch</li><li>• Insulated condensate drain tray</li></ul>



Application Data	
	<ul style="list-style-type: none"> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
Controls	
BMS Links	True

# FCU-2

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	2
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	2632.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	7940.0 W
Heating Output	1200.0 W
Air Volume Flowrate	0.63 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	22.6
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	heating and cooling schematics. <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	2.72 A
Full Load Current	2.72 A
Controls	
BMS Links	True

# FCU-3

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	3
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1432.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	3450.0 W
Heating Output	1000.0 W
Air Volume Flowrate	0.27 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	24.0
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

<b>Application Data</b>	
	heating and cooling schematics. <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
<b>Electrical Data</b>	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	1.2 A
Full Load Current	1.2 A
<b>Controls</b>	
BMS Links	True

# FCU-4

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	4
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1132.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	1730.0 W
Heating Output	400.0 W
Air Volume Flowrate	0.17 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	23.4
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.3
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	<p>heating and cooling schematics.</p> <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
Controls	
BMS Links	True

# FCU-5

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	5
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1732.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	3870.0 W
Heating Output	500.0 W
Air Volume Flowrate	0.32 m <sup>3</sup> /s
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	22.3
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.3
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>• Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics.</li><li>• Inbuilt air volume potentiometer</li></ul>



Application Data	
	<ul style="list-style-type: none"> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	1.74 A
Full Load Current	1.74 A
Controls	
BMS Links	True

# FCU-6

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	6
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1132.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	1270.0 W
Heating Output	250.0 W
Air Volume Flowrate	0.1 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	23.0
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	<p>heating and cooling schematics.</p> <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
Controls	
BMS Links	True

# FCU-7

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	7
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1132.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	1150.0 W
Heating Output	150.0 W
Air Volume Flowrate	0.09 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	22.4
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	<p>heating and cooling schematics.</p> <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
Controls	
BMS Links	True

# FCU-8

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	8
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1132.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	460.0 W
Heating Output	200.0 W
Air Volume Flowrate	0.05 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	24.3
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	14.4
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	<p>heating and cooling schematics.</p> <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
Controls	
BMS Links	True

# FCU-9

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	9
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1132.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	1730.0 W
Heating Output	500.0 W
Air Volume Flowrate	0.14 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	24.0
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"> <li>Hook up set to include pressure independent control valve and commissioning set as shown on</li> </ul>



<b>Application Data</b>	
	heating and cooling schematics. <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
<b>Electrical Data</b>	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	0.64 A
Full Load Current	0.64 A
<b>Controls</b>	
BMS Links	True

# FCU-10

[  *toc* ] *Fan Coil Units - Pr\_70\_65\_03\_29*



Identity Data	
Abbreviation	FCU
Type Reference	10
Uniclass Product Code	Pr_70_65_03_29
Uniclass Product Description	Fan coil units

Construction Data	
Shape	Rectangular
Material	Galvanised Steel
Type	LTHW/CHW Heating and Cooling FCU

Dimensional Data	
Overall Length	1432.0 mm
Overall Width	946.0 mm
Overall Height	270.0 mm
Duct Connection Shape	Round
Duct Connection Height	250.0 mm
Duct Connection Width	250.0 mm

Performance Data	
Cooling Output	2880.0 W
Heating Output	200.0 W
Air Volume Flowrate	0.23 m <sup>3</sup> /s
Design Heating Flow Temperature	45.0 degC
Design Heating Return Temperature	40.0 degC
Design Cooling Flow Temperature	6.0 degC
Design Cooling Return Temperature	12.0 degC
Heating - On Coil Temperature	21.0 degC
Heating - Off Coil Temperature	21.7
Cooling - On Coil Temperature	21.0 degC
Cooling - Off Coil Temperature	12.0
Noise Rating (NR Level)	NR 35

Application Data	
Notes	<p>Supply with:</p> <ul style="list-style-type: none"><li>Hook up set to include pressure independent control valve and commissioning set as shown on</li></ul>

Application Data	
	heating and cooling schematics. <ul style="list-style-type: none"> <li>• Inbuilt air volume potentiometer</li> <li>• Inbuilt on/off switch</li> <li>• Insulated condensate drain tray</li> <li>• EU2 efficient nylon non-woven air filter</li> <li>• Insulated discharge plenum</li> <li>• Controls package for connectivity to BMS via BACnet.</li> </ul>
Electrical Data	
Voltage	230.0 V
Power Source	Mains
Nominal Specific Fan Power	0.3 W/l/s
Starting Current	1.2 A
Full Load Current	1.2 A
Controls	
BMS Links	True