Swords Cultural Centre

Fan Coil Unit Schedule

Suitable for Stage Aproval

October 2023

SCQ-ZZ-XXX-SH-MXF-ME-10001 [[1]](#footnote-1)

# Document Information

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| **Max Fordham LLP**  maxfordham.com Max Fordham LLP is a Limited Liability Partnership.  Registered in England and Wales Number OC300026.  Registered office: 42–43 Gloucester Crescent London NW1 7PE This report is for the private and confidential use of the clients for whom the report is undertaken and should not be reproduced in whole or in part or relied upon by third parties for any use whatsoever without the express written authority of Max Fordham LLP  © Max Fordham LLP | ISSUE HISTORY  |  |  |  |  |  | | --- | --- | --- | --- | --- | | date………. | revision | status code | status description | issue notes | | 06 OCT 23 | C01 | S4 | Suitable for Stage Aproval |  | | 28 JUL 23 | 1 | S1 | Suitable for Coordination |  |    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*](#TABLE-OF-CONTENTS)*]* **Fan Coil Units - Pr\_70\_65\_03\_29**

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | DX-I |
| Type Reference | 1 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

| Construction Data | Value |
| --- | --- |
| Type | Wall mounted |

| Dimensional Data | Value |
| --- | --- |
| Overall Length | 798.0 *mm* |
| Overall Width | 189.0 *mm* |
| Overall Height | 295.0 *mm* |
| Gross Weight | 12.0 *kg* |

| Performance Data | Value |
| --- | --- |
| Cooling Output | 2000.0 *W* |

| Application Data | Value |
| --- | --- |
| Notes | R32 refrigerant |
| Application | Multi split DX indoor unit, serving local IT comms rooms |

| Electrical Data | Value |
| --- | --- |
| Voltage | 230.0 *V* |
| Frequency | 50.0 *Hz* |

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

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | DX-O |
| Type Reference | 1 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

| Dimensional Data | Value |
| --- | --- |
| Overall Length | 340.0 *mm* |
| Overall Width | 958.0 *mm* |
| Overall Height | 734.0 *mm* |
| Gross Weight | 57.0 *kg* |

| Performance Data | Value |
| --- | --- |
| Cooling Output | 6000.0 *W* |

| Application Data | Value |
| --- | --- |
| Notes | R32 refrigerant |
| Application | Multi-Split DX outdoor unit, serving DX-I-1 |

| Electrical Data | Value |
| --- | --- |
| 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*](#TABLE-OF-CONTENTS)*]* **Fan Coil Units - Pr\_70\_65\_03\_29**

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | DX-I |
| Type Reference | 2 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

| Construction Data | Value |
| --- | --- |
| Type | Wall mounted |

| Dimensional Data | Value |
| --- | --- |
| Overall Length | 798.0 *mm* |
| Overall Width | 189.0 *mm* |
| Overall Height | 295.0 *mm* |
| Gross Weight | 12.0 *kg* |

| Performance Data | Value |
| --- | --- |
| Cooling Output | 3400.0 *W* |

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

| Electrical Data | Value |
| --- | --- |
| Voltage | 230.0 *V* |
| Frequency | 50.0 *Hz* |

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

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | DX-O |
| Type Reference | 2 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

| Dimensional Data | Value |
| --- | --- |
| Overall Length | 285.0 *mm* |
| Overall Width | 765.0 *mm* |
| Overall Height | 550.0 *mm* |
| Gross Weight | 32.0 *kg* |

| Performance Data | Value |
| --- | --- |
| Cooling Output | 3400.0 *W* |

| Application Data | Value |
| --- | --- |
| Notes | R32 refrigerant |
| Application | Single Split DX outdoor unit, serving DX-I-2 |

| Electrical Data | Value |
| --- | --- |
| Voltage | 230.0 *V* |
| Frequency | 50.0 *Hz* |

# FCU-1

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 1 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

| Construction Data | Value |
| --- | --- |
| Shape | Rectangular |
| Material | Galvanised Steel |
| Type | LTHW Heating FCU |

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 0.0 *W* |
| Heating Output | 1600.0 *W* |
| Air Volume Flowrate | 0.16 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-2

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 2 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 7940.0 *W* |
| Heating Output | 1200.0 *W* |
| Air Volume Flowrate | 0.63 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-3

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 3 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 3450.0 *W* |
| Heating Output | 1000.0 *W* |
| Air Volume Flowrate | 0.27 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-4

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 4 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 1730.0 *W* |
| Heating Output | 400.0 *W* |
| Air Volume Flowrate | 0.17 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-5

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 5 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 3870.0 *W* |
| Heating Output | 500.0 *W* |
| Air Volume Flowrate | 0.32 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-6

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 6 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 1270.0 *W* |
| Heating Output | 250.0 *W* |
| Air Volume Flowrate | 0.1 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-7

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 7 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 1150.0 *W* |
| Heating Output | 150.0 *W* |
| Air Volume Flowrate | 0.09 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-8

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 8 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 460.0 *W* |
| Heating Output | 200.0 *W* |
| Air Volume Flowrate | 0.05 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-9

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 9 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 1730.0 *W* |
| Heating Output | 500.0 *W* |
| Air Volume Flowrate | 0.14 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

# FCU-10

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

|  |
| --- |

| Identity Data | Value |
| --- | --- |
| Abbreviation | FCU |
| Type Reference | 10 |
| Uniclass Product Code | Pr\_70\_65\_03\_29 |
| Uniclass Product Description | Fan coil units |

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

| Dimensional Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| Cooling Output | 2880.0 *W* |
| Heating Output | 200.0 *W* |
| Air Volume Flowrate | 0.23 *m3/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 | Value |
| --- | --- |
| Notes | Supply with:   * Hook up set to include pressure independent control valve and commissioning set as shown on heating and cooling schematics. * Inbuilt air volume potentiometer * Inbuilt on/off switch * Insulated condensate drain tray * EU2 efficient nylon non-woven air filter * Insulated discharge plenum * Controls package for connectivity to BMS via BACnet. |

| Electrical Data | Value |
| --- | --- |
| 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 | Value |
| --- | --- |
| BMS Links | True |

1. |  |  |  |  |  |  |  |  |  |  |
   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
   | status code | revision | status description | project | originator | volume | level | type | role | number |
   | **S4** | **C01** | **Suitable for Stage Aproval** | **SCQ** | **ZZ** | **XXX** | **SH** | **MXF** | **ME** | **10001** |

   [↑](#footnote-ref-1)