

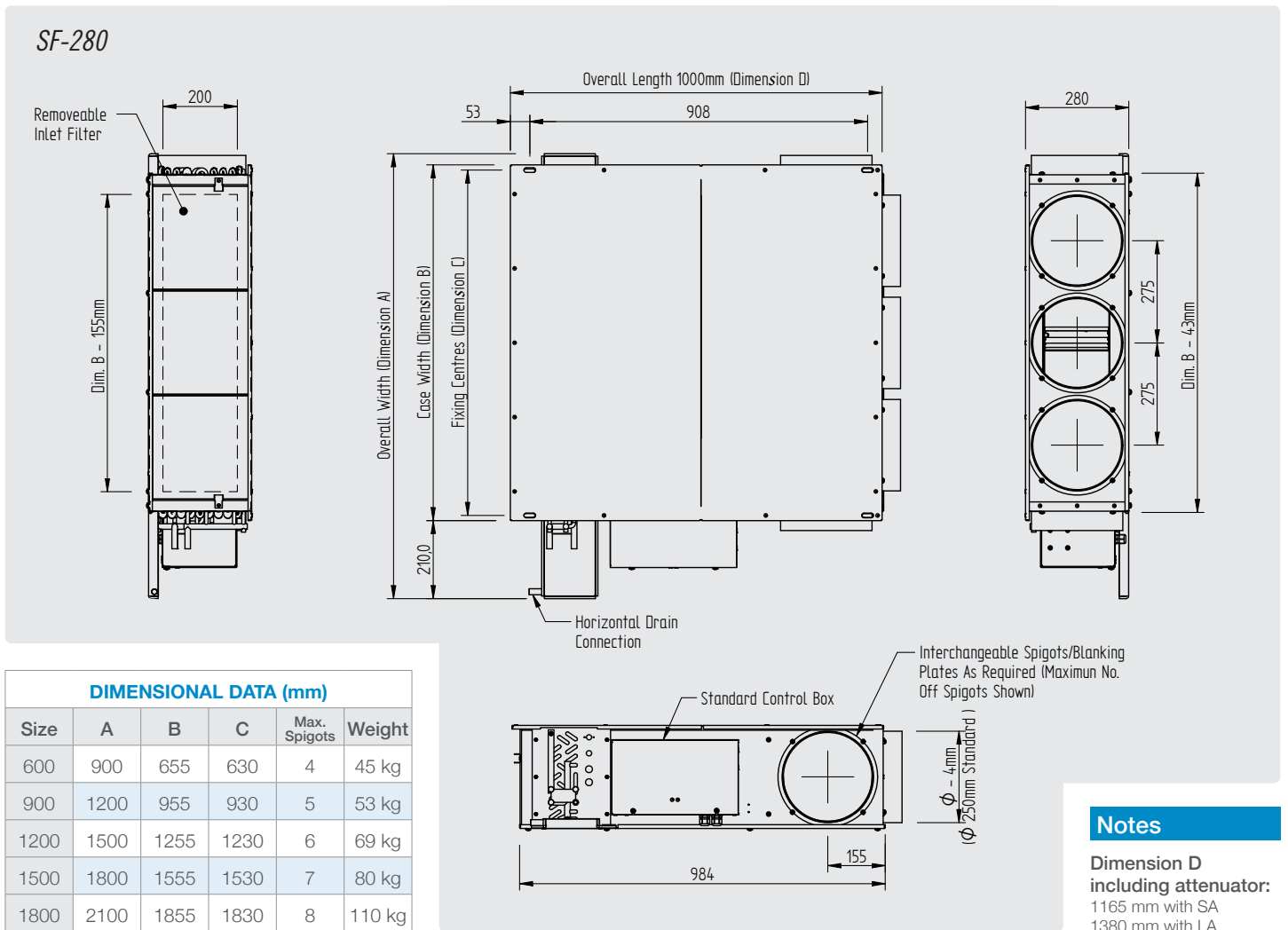
SF-280

Meets Regulations Eurovent 6/3 and ISO/TC86/SC6

- > Smart Fan Coil Unit
- > Horizontal
- > Brushless ECM Motor

| APPLICATION | DESIGN | FEATURES |
|--|---|---|
| <p>Characteristics:</p> <p>The horizontally mounted SF 280 offers an energy efficient heating and cooling system designed for easy installation. Cased in galvanised steel and driven by our most efficient brushless ECM motor the unit operates with infinitely variable fan speed.</p> | <p>Construction: Galvanised steel casing.</p> <p>Options:</p> <ul style="list-style-type: none"> • 185 mm – Short Attenuator • 400 mm – Long Attenuator | <p>Brushless ECM motor</p> <p>Automatic power factor correction</p> |
| <p>REMARKS</p> <p>All dimensions are given in mm.</p> | | |

SF-280



| DIMENSIONAL DATA (mm) | | | | | |
|-----------------------|------|------|------|--------------|--------|
| Size | A | B | C | Max. Spigots | Weight |
| 600 | 900 | 655 | 630 | 4 | 45 kg |
| 900 | 1200 | 955 | 930 | 5 | 53 kg |
| 1200 | 1500 | 1255 | 1230 | 6 | 69 kg |
| 1500 | 1800 | 1555 | 1530 | 7 | 80 kg |
| 1800 | 2100 | 1855 | 1830 | 8 | 110 kg |

Notes

Dimension D including attenuator:
1165 mm with SA
1380 mm with LA

SF-280 – PERFORMANCE DATA

| HEATING PERFORMANCE | Airflow l/s | | | Total Ph - kW | | | Water Flow kg/s | | | Hyd Resistance kPa | | |
|---------------------|-------------|-----|-----|---------------|------|------|-----------------|-------|-------|--------------------|-----|-----|
| | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX |
| 600 Model | 75 | 170 | 320 | 0.36 | 0.82 | 1.54 | 0.006 | 0.013 | 0.025 | 1.0 | 1.0 | 1.0 |
| 900 Model | 90 | 190 | 355 | 0.43 | 0.91 | 1.68 | 0.007 | 0.014 | 0.027 | 1.0 | 1.0 | 2.0 |
| 1200 Model | 170 | 320 | 600 | 0.83 | 1.54 | 2.87 | 0.013 | 0.025 | 0.046 | 1.0 | 2.0 | 6.0 |
| 1500 Model | 250 | 500 | 750 | 1.19 | 2.43 | 3.59 | 0.019 | 0.039 | 0.057 | 2.0 | 5.0 | 9.0 |

Air on 20°C, Air off 30°C Maximum. LPHW 70°C flow, 55°C return

| COOLING PERFORMANCE | Airflow l/s | | | Total Pc - kW | | | Sensible Ps - kW | | | Water Flow kg/s | | | Hyd Resistance kPa | | |
|---------------------|-------------|-----|-----|---------------|------|-------|------------------|------|------|-----------------|------|------|--------------------|-------|-------|
| | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX |
| 600 Model | 75 | 170 | 320 | 1.50 | 2.80 | 4.40 | 1.14 | 2.27 | 3.74 | 0.06 | 0.11 | 0.18 | 2.82 | 8.42 | 18.56 |
| 900 Model | 90 | 190 | 355 | 1.85 | 3.35 | 5.43 | 1.39 | 2.65 | 4.51 | 0.07 | 0.13 | 0.22 | 2.00 | 8.00 | 18.00 |
| 1200 Model | 170 | 320 | 600 | 3.20 | 5.30 | 8.60 | 2.50 | 4.24 | 7.23 | 0.13 | 0.21 | 0.34 | 3.00 | 7.91 | 19.00 |
| 1500 Model | 250 | 500 | 750 | 4.68 | 7.80 | 10.61 | 3.65 | 6.36 | 9.00 | 0.19 | 0.31 | 0.42 | 6.15 | 15.03 | 25.75 |

Air on 23°C, 50% RH. ChW 6°C flow, 12°C return

| ACOUSTIC PERFORMANCE | NOISE (NR) | | | | | | | | | | | |
|----------------------|-------------|-----|-----|----------|-----|-----|-------------------------|-----|-----|------------------------|-----|-----|
| | Airflow l/s | | | Standard | | | 185 mm Short Attenuator | | | 400 mm Long Attenuator | | |
| | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX | MIN | MID | MAX |
| 600 Model | 75 | 170 | 320 | <25 | 36 | 47 | <25 | 34 | 45 | <25 | 32 | 43 |
| 900 Model | 90 | 190 | 355 | 25 | 38 | 48 | <25 | 34 | 44 | <25 | 32 | 41 |
| 1200 Model | 170 | 320 | 600 | 27 | 38 | 48 | <25 | 32 | 43 | <25 | 30 | 41 |
| 1500 Model | 250 | 500 | 750 | 31 | 43 | 51 | 25 | 37 | 45 | 23 | 35 | 43 |

NR figures can be used as a quick reference guide to assess fan coil acoustic performance