



|                        |                                |
|------------------------|--------------------------------|
| Heat pump Manufacturer | Samsung                        |
| Heat pump Model number | AE050RXYDEG/EU                 |
| Heat pump type         | Monobloc                       |
| Heat pump model name   | Samsung EHS Generation 6 - 5kW |

## Capacity information:

| Flow temp V |       | 30°C | 35°C | 40°C | 45°C | 50°C | 55°C |
|-------------|-------|------|------|------|------|------|------|
| Ext temp V  | -10°C | 4.89 | 4.66 | 4.8  | 4.65 | 4.47 | 4.15 |
|             | -7°C  | 5.09 | 4.9  | 5.04 | 4.93 | 4.78 | 4.67 |
|             | -2°C  | 4.94 | 4.75 | 4.67 | 4.44 | 4.26 | 4.08 |
|             | 2°C   | 4.79 | 4.56 | 4.35 | 4.12 | 3.98 | 3.8  |
|             | 7°C   | 5.25 | 5    | 4.9  | 4.8  | 4.55 | 4.3  |

## Further information:

| Dimensions   |        |
|--------------|--------|
| Height       | 798mm  |
| Width        | 880mm  |
| Depth        | 310mm  |
| Weight (Net) | 58.5kg |

| Efficiency        |           |      |
|-------------------|-----------|------|
| MCS Listed SCOP @ | 35°C flow | 3.46 |
|                   | 40°C flow | 3.56 |
|                   | 45°C flow | 3.65 |
|                   | 50°C flow | 3.35 |
|                   | 55°C flow | 3.05 |

| MCS Certificate number(s) |                       |
|---------------------------|-----------------------|
| 011-1W0448 (2)            | MIM-E03CN controller  |
| 011-1W0448 (1)            | 200l climate hub tank |

| Hydronics                          |             |
|------------------------------------|-------------|
| Minimum water content of system    | 30 Litres   |
| Nominal flow-rate                  | 14.5 l/min  |
| Pressure drop after heat exchanger | 6 kPa       |
| Connection size                    | BSPP1" Male |
| Typical primary pipework size*     | 22mm        |
| Integral expansion vessel capacity | N/A         |

|                       |         |
|-----------------------|---------|
| Max sound power level | 61dB(A) |
|-----------------------|---------|

| Flow temperature | PCDB index number |
|------------------|-------------------|
| 35°C             | 104361            |
| 45°C             | 104360            |
| 55°C             | 104359            |

|                              |  |
|------------------------------|--|
| Coastal location restriction | Requires treatment if installed within 500m of coast |
|------------------------------|--|

| Refrigerant |      |
|-------------|------|
| Type        | R-32 |
| Quantity    | 1kg  |

| ENA Info                            |                    |
|-------------------------------------|--------------------|
| Connect and notify/apply to connect | Connect and Notify |
| ENA database reference              | HP_0906            |

| Electrical          |                 |
|---------------------|-----------------|
| Breaker needed      | 20A Type B RCBO |
| Min isolator rating | 20A             |

|                                   |        |
|-----------------------------------|--------|
| Acceptable antifreeze arrangement | Glycol |
|-----------------------------------|--------|

|          |  |
|----------|--|
| Warranty | 2 years standard - 7 years if trained by Samsung |
|----------|--|

\*subject to full hydronic design