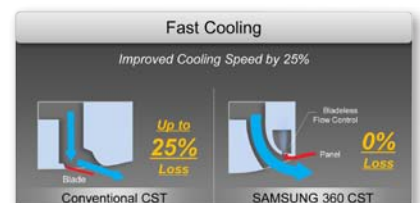


The beautiful solution to draught-free climate control



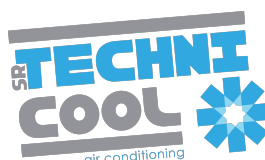
## Samsung 360 Cassette range (Single phase outdoor unit)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- Three 1-phase models: AC 100, 120 and 140
- Air volume increased by 25%
- 'Coanda Effect' ensures horizontal even airflow
- Backed nationwide by Fourways Airconditioning South Africa



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**SAMSUNG**

## Samsung 360 Cassette range (1-phase outdoor unit) (AC 100, 120 and 140)

Samsung introduces a revolutionary new concept: a round Cassette. Not only does it look beautiful, but it also eliminates one of the main problems of a square ceiling cassette: direct draughts. Due to a phenomenon known as the 'Coanda Effect' (whereby a flow of air attaches itself to the curve of a nearby surface – then retains this direction even when the airflow leaves the airconditioner), the new Samsung 360 Cassette directs airflow 360° horizontally and evenly. This not only means no direct draughts but also 25% greater airflow due to there being no blade to obstruct air. Samsung 360 single-phase Cassettes: backed nationwide by Fourways Airconditioning.



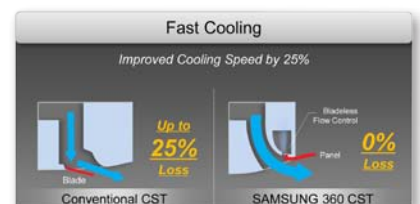
## SPECIFICATIONS

| Type               |                             |                             |                      | 360 Cassette       |                          | 360 Cassette             |                          | 360 Cassette             |                          |                          |         |  |
|--------------------|-----------------------------|-----------------------------|----------------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------|--|
| Model Name         |                             | Indoor Unit                 |                      | AC100KN4DKH/EU     |                          | AC120KN4DKH/EU           |                          | AC140KN4DKH/EU           |                          |                          |         |  |
|                    |                             | Outdoor Unit                |                      | AC100KX4DKH/EU     |                          | AC120KX4DKH/EU           |                          | AC140KX4DKH/EU           |                          |                          |         |  |
| System             | Mode                        |                             |                      | -                  | Heat Pump                |                          | Heat Pump                |                          | Heat Pump                |                          |         |  |
|                    | Capacity                    | Cooling(Min/Std/Max)        |                      | kW                 | 3.00 / 10.00 / 12.00     |                          | 3.50 / 12.00 / 13.50     |                          | 3.50 / 13.40 / 15.50     |                          |         |  |
|                    |                             |                             |                      | Btu/h              | 10,200 / 34,100 / 40,900 |                          | 11,900 / 40,900 / 46,100 |                          | 11,900 / 45,700 / 52,900 |                          |         |  |
|                    |                             | Heating(Min/Std/Max)        |                      | kW                 | 2.20 / 11.20 / 15.50     |                          | 3.50 / 13.00 / 15.50     |                          | 3.50 / 15.50 / 18.00     |                          |         |  |
|                    |                             |                             |                      | Btu/h              | 7,500 / 38,200 / 52,900  |                          | 11,900 / 44,400 / 52,900 |                          | 11,900 / 52,900 / 61,400 |                          |         |  |
|                    | Power                       | Power Input (Nominal)       | Cooling(Min/Std/Max) | kW                 | 0.60 / 3.40 / 4.70       |                          | 0.90 / 4.70 / 5.30       |                          | 0.80 / 4.18 / 6.44       |                          |         |  |
|                    |                             |                             | Heating(Min/Std/Max) |                    | 0.46 / 3.15 / 5.40       |                          | 0.75 / 4.00 / 5.50       |                          | 0.70 / 4.30 / 7.36       |                          |         |  |
|                    |                             | Current Input (Nominal)     | Cooling(Min/Std/Max) | A                  | 3.00 / 15.10 / 20.40     |                          | 4.30 / 20.50 / 23.00     |                          | 3.70 / 18.20 / 28.00     |                          |         |  |
|                    |                             |                             | Heating(Min/Std/Max) |                    | 2.50 / 14.60 / 23.00     |                          | 3.70 / 17.70 / 24.00     |                          | 3.50 / 18.70 / 32.00     |                          |         |  |
|                    |                             | MCA                         |                      | A                  | 24.50 (MCA)              |                          | 26.50 (MCA)              |                          | 33.50 (MCA)              |                          |         |  |
|                    |                             | MFA                         |                      | A                  | 26.95                    |                          | 29.15                    |                          | 36.85                    |                          |         |  |
|                    | Energy Efficiency           | EER (Nominal Cooling)       |                      | -                  | 2.94                     |                          | 2.55                     |                          | 3.21                     |                          |         |  |
|                    |                             | COP (Nominal Heating)       |                      | -                  | 3.56                     |                          | 3.25                     |                          | 3.60                     |                          |         |  |
|                    |                             | Energy Grade                |                      | -                  | SEER 6.8 (A++)           |                          | SEER 5.7 (A+)            |                          | -                        |                          |         |  |
|                    |                             |                             |                      | -                  | SCOP 4.3 (A+)            |                          | SCOP 4.1 (A+)            |                          | -                        |                          |         |  |
|                    | Piping Connections          | Liquid Pipe                 |                      |                    | Ø, mm                    | 9.52                     |                          | 9.52                     |                          | 9.52                     |         |  |
|                    |                             |                             |                      |                    | Ø, inch                  | 3/8"                     |                          | 3/8"                     |                          | 3/8"                     |         |  |
|                    |                             |                             | Gas Pipe             |                    |                          | Ø, mm                    | 15.88                    |                          | 15.88                    |                          | 15.88   |  |
|                    |                             |                             |                      |                    |                          | Ø, inch                  | 5/8"                     |                          | 5/8"                     |                          | 5/8"    |  |
|                    |                             | Installation Limitation     | Max. Length          | m                  | 50 (55)                  |                          | 50 (55)                  |                          | 75 (75)                  |                          |         |  |
|                    |                             |                             | Max. Height          | m                  | 30 (30)                  |                          | 30 (30)                  |                          | 30 (30)                  |                          |         |  |
|                    | Field Wiring                | Power Source Wire           |                      | Ø, mm              | 2.50                     |                          | 2.50                     |                          | 2.50                     |                          |         |  |
|                    |                             | Transmission Cable          |                      | Ø, mm              | 0.75 ~ 1.50              |                          | 0.75 ~ 1.50              |                          | 0.75 ~ 1.50              |                          |         |  |
|                    | Refrigerant                 | Type                        |                      | -                  | R410A                    |                          | R410A                    |                          | R410A                    |                          |         |  |
|                    |                             | Control Method              |                      | -                  | EEV                      |                          | EEV                      |                          | EEV                      |                          |         |  |
|                    |                             | Factory Charging            |                      | kg                 | 3.00                     |                          | 3.00                     |                          | 3.50                     |                          |         |  |
|                    | Indoor Unit                 | Power Supply                |                      |                    | Ø, #, V, Hz              | 1,2,220-240,50           |                          | 1,2,220-240,50           |                          | 1,2,220-240,50           |         |  |
|                    |                             | Fan                         | Type                 |                    | -                        | Turbo Fan                |                          | Turbo Fan                |                          | Turbo Fan                |         |  |
|                    |                             |                             | Motor                | Output             | W                        | 97                       |                          | 97                       |                          | 97                       |         |  |
|                    |                             |                             |                      |                    | CMM                      | 31.20 / 25.50 / 19.80    |                          | 32.50 / 25.50 / 19.80    |                          | 32.40 / 27.10 / 22.80    |         |  |
|                    |                             |                             | Air Flow Rate        |                    | l/s                      | 520.00 / 425.00 / 330.00 |                          | 541.67 / 425.00 / 330.00 |                          | 540.00 / 451.67 / 380.00 |         |  |
|                    |                             | Drain                       | Drain Pipe           |                    | Ø,mm                     | VP25 (OD 32,ID 25)       |                          | VP25 (OD 32,ID 25)       |                          | VP25 (OD 32,ID 25)       |         |  |
| Sound              |                             | Pressure                    | High/Mid/Low         | dB(A)              | 44 / 39 / 33             |                          | 45 / 40 / 35             |                          | 45 / 41 / 37             |                          |         |  |
|                    |                             | Power                       | Cooling              |                    | 61                       |                          | 61                       |                          | 61                       |                          |         |  |
| External Dimension |                             | Net Weight                  |                      | kg                 | 24.00                    |                          | 24.00                    |                          | 25.50                    |                          |         |  |
|                    |                             | Shipping Weight             |                      | kg                 | 29.00                    |                          | 29.00                    |                          | 30.00                    |                          |         |  |
|                    |                             | Net Dimensions (WxHxD)      |                      | mm                 | 947 x 365 x 947          |                          | 947 x 365 x 947          |                          | 947 x 365 x 947          |                          |         |  |
|                    |                             | Shipping Dimensions (WxHxD) |                      | mm                 | 990 x 414 x 990          |                          | 990 x 414 x 990          |                          | 990 x 414 x 990          |                          |         |  |
| Panel Size         |                             | Panel model                 |                      | -                  | PC4NUDMAN                |                          | PC4NUDMAN                |                          | PC4NUDMAN                |                          |         |  |
|                    |                             | Panel Net Weight            |                      | kg                 | 3.60                     |                          | 3.60                     |                          | 3.60                     |                          |         |  |
|                    |                             | Shipping Weight             |                      | kg                 | 6.00                     |                          | 6.00                     |                          | 6.00                     |                          |         |  |
|                    |                             | Net Dimensions (WxHxD)      |                      | mm                 | 1,000 x 66 x 1,000       |                          | 1,000 x 66 x 1,000       |                          | 1,000 x 66 x 1,000       |                          |         |  |
|                    | Shipping Dimensions (WxHxD) |                             | mm                   | 1,093 x 85 x 1,083 |                          | 1,093 x 85 x 1,083       |                          | 1,093 x 85 x 1,083       |                          |                          |         |  |
|                    |                             |                             |                      |                    |                          |                          |                          |                          |                          |                          |         |  |
| Outdoor Unit       | Power Supply                |                             |                      | Ø, #, V, Hz        | 1,2,220-240,50           |                          | 1,2,220-240,50           |                          | 3,4,380-415,50           |                          |         |  |
|                    | Compressor                  | Type                        |                      | -                  | BLDC Rotary              |                          | Twin BLDC Rotary         |                          | Twin BLDC Rotary         |                          |         |  |
|                    |                             | Model                       |                      | -                  | UG8T300FUBJU             |                          | UG5T450FUEJX             |                          | UG5T450FUEJX             |                          |         |  |
|                    |                             | Output                      |                      | kW                 | 2.82                     |                          | 4.12                     |                          | 4.12                     |                          |         |  |
|                    |                             | Oil                         | Type                 | -                  | PVE                      |                          | PVE                      |                          | PVE                      |                          |         |  |
|                    | Air Flow Rate               |                             |                      | Cooling            | CMM                      | 78.00                    |                          | 78.00                    |                          | 111.00                   |         |  |
|                    |                             | Cooling                     | l/s                  | 1,300.00           |                          | 1,300.00                 |                          | 1,850.00                 |                          |                          |         |  |
|                    | Sound                       |                             |                      | Pressure           | Cooling/Heating          | dB(A)                    | 52 / 54                  |                          | 54 / 56                  |                          | 53 / 54 |  |
|                    |                             | Power                       | Cooling              | 69                 |                          |                          | 70                       |                          | 69                       |                          |         |  |
|                    | External Dimension          | Net Weight                  |                      | kg                 | 72.00                    |                          | 80.00                    |                          | 92.50                    |                          |         |  |
|                    |                             | Shipping Weight             |                      | kg                 | 77.00                    |                          | 85.00                    |                          | 102.50                   |                          |         |  |
|                    |                             | Net Dimensions (WxHxD)      |                      | mm                 | 940 x 998 x 330          |                          | 940 x 998 x 330          |                          | 940 x 1,210 x 330        |                          |         |  |
|                    |                             | Shipping Dimensions (WxHxD) |                      | mm                 | 995 x 1,096 x 426        |                          | 995 x 1,096 x 426        |                          | 995 x 1,338 x 426        |                          |         |  |
|                    | Operating Temp. Range       | Cooling                     |                      | °C                 | -15.0 ~ 50.0             |                          | -15.0 ~ 50.0             |                          | -15.0 ~ 50.0             |                          |         |  |
| Heating            |                             | °C                          | -20.0 ~ 24.0         |                    | -20.0 ~ 24.0             |                          | -20.0 ~ 24.0             |                          |                          |                          |         |  |

The beautiful solution to draught-free climate control



## Samsung 360 Cassette range (single-phase)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- 2 single-phase models: AC 71 and AC 90
- Air volume increased by 25%
- 'Coanda Effect' ensures horizontal even airflow
- Backed nationwide by Fourways Airconditioning South Africa

# Samsung 360 Cassette range (single-phase)

## (AC 71 and AC 90)

Samsung introduces a revolutionary new concept: a round Cassette. Not only does it look beautiful, but it also eliminates one of the main problems of a square ceiling cassette: direct draughts. Due to a phenomenon known as the 'Coanda Effect' (whereby a flow of air attaches itself to the curve of a nearby surface – then retains this direction even when the airflow leaves the airconditioner), the new Samsung 360 Cassette directs airflow 360° horizontally and evenly. This not only means no direct draughts but also 25% greater airflow due to there being no blade to obstruct air. Samsung 360 Cassettes: backed nationwide by Fourways Airconditioning.



## SPECIFICATIONS

| Type                  |                    |                             |                      | 360 Cassette   |                         | 360 Cassette             |                          |                          |
|-----------------------|--------------------|-----------------------------|----------------------|----------------|-------------------------|--------------------------|--------------------------|--------------------------|
| Model Name            |                    | Indoor Unit                 |                      | AC071KN4DKH/EU |                         | AC090KN4DKH/EU           |                          |                          |
|                       |                    | Outdoor Unit                |                      | AC071KX4DKH/EU |                         | AC090KX4DKH/EU           |                          |                          |
| System                | Mode               |                             | -                    | Heat Pump      |                         | Heat Pump                |                          |                          |
|                       | Capacity           | Cooling(Min/Std/Max)        |                      | kW             | 2.20 / 7.10 / 8.00      |                          | 3.00 / 9.00 / 11.30      |                          |
|                       |                    |                             |                      | Btu/h          | 7,500 / 24,200 / 27,300 |                          | 10,200 / 30,700 / 38,600 |                          |
|                       |                    | Heating(Min/Std/Max)        |                      | kW             | 1.90 / 8.00 / 9.00      |                          | 2.20 / 10.00 / 13.90     |                          |
|                       |                    |                             |                      | Btu/h          | 6,500 / 27,300 / 30,700 |                          | 7,500 / 34,100 / 47,400  |                          |
|                       | Power              | Power Input (Nominal)       | Cooling(Min/Std/Max) | kW             | 0.35 / 2.49 / 3.95      |                          | 0.60 / 2.82 / 4.46       |                          |
|                       |                    |                             | Heating(Min/Std/Max) |                | 0.35 / 2.40 / 3.95      |                          | 0.46 / 2.65 / 5.20       |                          |
|                       |                    | Current Input (Nominal)     | Cooling(Min/Std/Max) | A              | 2.00 / 11.10 / 17.00    |                          | 3.00 / 12.70 / 19.40     |                          |
|                       |                    |                             | Heating(Min/Std/Max) |                | 2.00 / 10.70 / 17.00    |                          | 2.50 / 12.50 / 22.70     |                          |
|                       |                    | MCA                         |                      | A              | 21.50 (MCA)             |                          | 24.50 (MCA)              |                          |
|                       |                    | MFA                         |                      | A              | 23.65                   |                          | 26.95                    |                          |
|                       | Energy Efficiency  | EER (Nominal Cooling)       |                      | -              | 2.85                    |                          | 3.19                     |                          |
|                       |                    | COP (Nominal Heating)       |                      | -              | 3.33                    |                          | 3.77                     |                          |
|                       |                    | Energy Grade                |                      | -              | SEER 6.2 (A++)          |                          | SEER 6.8 (A++)           |                          |
|                       |                    |                             |                      | -              | SCOP 4.1 (A+)           |                          | SCOP 4.3 (A+)            |                          |
|                       | Piping Connections | Liquid Pipe                 |                      | Ø, mm          | 6.35                    |                          | 9.52                     |                          |
|                       |                    |                             |                      | Ø, inch        | 1/4"                    |                          | 3/8"                     |                          |
|                       |                    | Gas Pipe                    |                      | Ø, mm          | 15.88                   |                          | 15.88                    |                          |
|                       |                    |                             |                      | Ø, inch        | 5/8"                    |                          | 5/8"                     |                          |
|                       |                    | Installation Limitation     | Max. Length          | m              | 50 (55)                 |                          | 50 (55)                  |                          |
|                       |                    |                             | Max. Height          | m              | 30 (30)                 |                          | 30 (30)                  |                          |
|                       | Field Wiring       | Power Source Wire           |                      | Ø, mm          | 2.50                    |                          | 2.50                     |                          |
|                       |                    | Transmission Cable          |                      | Ø, mm          | 0.75 ~ 1.50             |                          | 0.75 ~ 1.50              |                          |
|                       | Refrigerant        | Type                        |                      | -              | R410A                   |                          | R410A                    |                          |
|                       |                    | Control Method              |                      | -              | EEV                     |                          | EEV                      |                          |
|                       |                    | Factory Charging            |                      | kg             | 1.50                    |                          | 3.00                     |                          |
| Indoor Unit           | Power Supply       |                             | Ø, #, V, Hz          | 1,2,220-240,50 |                         | 1,2,220-240,50           |                          |                          |
|                       | Fan                | Type                        |                      | -              | Turbo Fan               |                          | Turbo Fan                |                          |
|                       |                    | Motor                       | Output               | W              | 65                      |                          | 97                       |                          |
|                       |                    |                             |                      | CMM            | 17.50 / 15.90 / 14.30   |                          | 30.10 / 24.40 / 19.80    |                          |
|                       |                    | Air Flow Rate               |                      | High/Mid/Low   | l/s                     | 291.67 / 265.00 / 238.33 |                          | 501.67 / 406.67 / 330.00 |
|                       | Drain Pipe         |                             | Ø,mm                 |                | VP25 (OD 32,ID 25)      |                          | VP25 (OD 32,ID 25)       |                          |
|                       | Sound              | Pressure                    | High/Mid/Low         | dB(A)          | 36 / 33 / 29            |                          | 43 / 38 / 33             |                          |
|                       |                    | Power                       | Cooling              |                | 53                      |                          | 60                       |                          |
|                       | External Dimension | Net Weight                  |                      | kg             | 21.00                   |                          | 24.00                    |                          |
|                       |                    | Shipping Weight             |                      | kg             | 25.00                   |                          | 29.00                    |                          |
|                       |                    | Net Dimensions (WxHxD)      |                      | mm             | 947 x 281 x 947         |                          | 947 x 365 x 947          |                          |
|                       |                    | Shipping Dimensions (WxHxD) |                      | mm             | 990 x 330 x 990         |                          | 990 x 414 x 990          |                          |
|                       | Panel Size         | Panel model                 |                      | -              | PC4NUDMAN               |                          | PC4NUDMAN                |                          |
|                       |                    | Panel Net Weight            |                      | kg             | 3.60                    |                          | 3.60                     |                          |
|                       |                    | Shipping Weight             |                      | kg             | 6.00                    |                          | 6.00                     |                          |
|                       |                    | Net Dimensions (WxHxD)      |                      | mm             | 1,000 x 66 x 1,000      |                          | 1,000 x 66 x 1,000       |                          |
|                       |                    | Shipping Dimensions (WxHxD) |                      | mm             | 1,093 x 85 x 1,083      |                          | 1,093 x 85 x 1,083       |                          |
|                       | Outdoor Unit       | Power Supply                |                      | Ø, #, V, Hz    | 1,2,220-240,50          |                          | 1,2,220-240,50           |                          |
| Compressor            |                    | Type                        |                      | -              | BLDC Rotary             |                          | BLDC Rotary              |                          |
|                       |                    | Model                       |                      | -              | UG4T200FUAЕ4            |                          | UG8T300FUBJU             |                          |
|                       |                    | Output                      |                      | kW             | 1.79                    |                          | 2.82                     |                          |
|                       |                    | Oil                         | Type                 | -              | POE                     |                          | PVE                      |                          |
| Fan                   |                    | Air Flow Rate               | Cooling              | CMM            | 58.50                   |                          | 78.00                    |                          |
|                       |                    |                             |                      | l/s            | 975.00                  |                          | 1,300.00                 |                          |
| Sound                 |                    | Pressure                    | Cooling/Heating      | dB(A)          | 49 / 51                 |                          | 52 / 53                  |                          |
|                       |                    | Power                       | Cooling              |                | 65                      |                          | 68                       |                          |
| External Dimension    |                    | Net Weight                  |                      | kg             | 50.50                   |                          | 72.00                    |                          |
|                       |                    | Shipping Weight             |                      | kg             | 55.00                   |                          | 77.00                    |                          |
|                       |                    | Net Dimensions (WxHxD)      |                      | mm             | 880 x 798 x 310         |                          | 940 x 998 x 330          |                          |
|                       |                    | Shipping Dimensions (WxHxD) |                      | mm             | 1,023 x 891 x 413       |                          | 995 x 1,096 x 426        |                          |
| Operating Temp. Range |                    | Cooling                     |                      | °C             | -15.0 ~ 50.0            |                          | -15.0 ~ 50.0             |                          |
|                       |                    | Heating                     |                      | °C             | -20.0 ~ 24.0            |                          | -20.0 ~ 24.0             |                          |