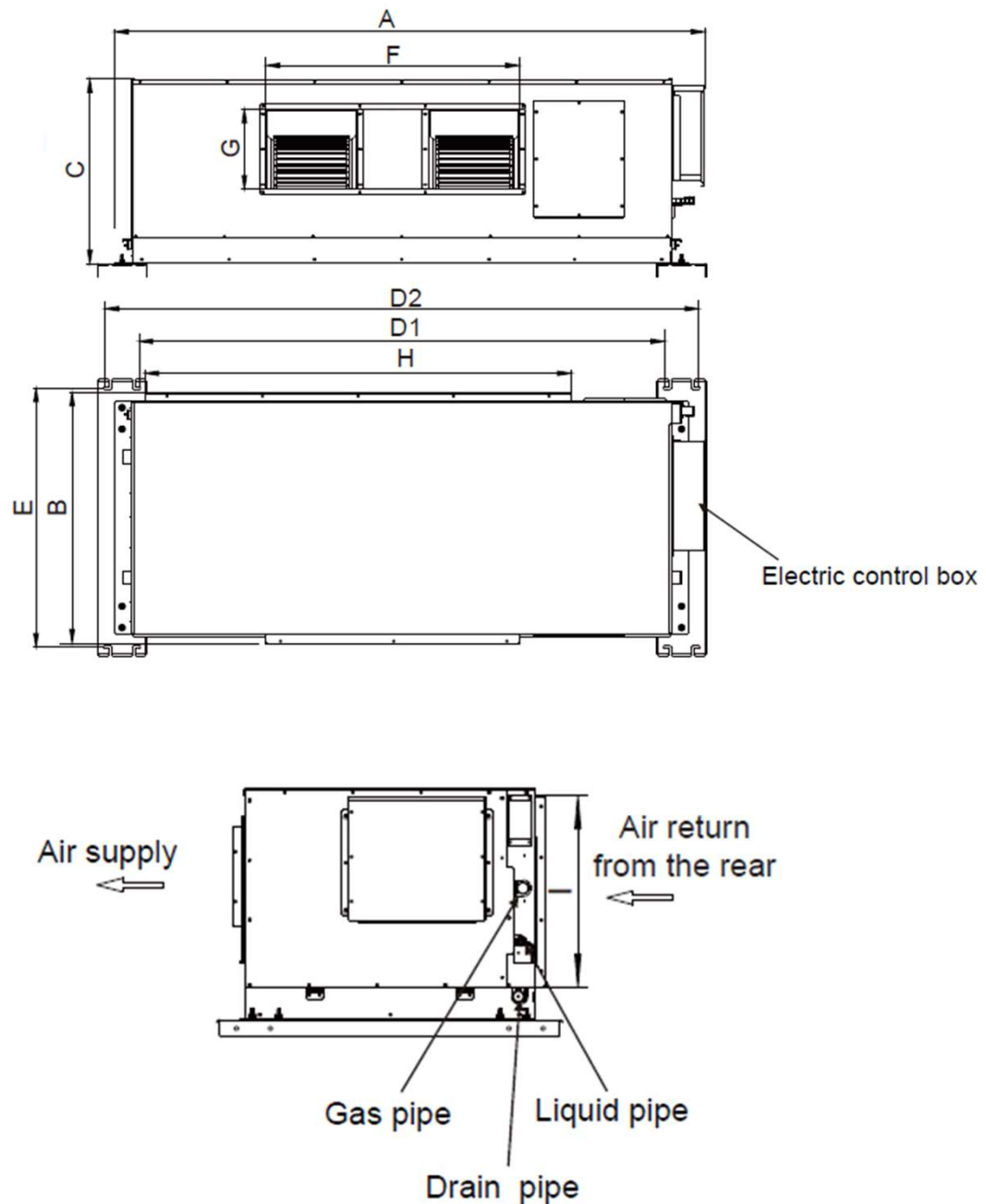


## DVR Comercial Inverter DCDVI120H3

| Model                                |                            | DVR-V350TH/HXR1-F320 |                                        |
|--------------------------------------|----------------------------|----------------------|----------------------------------------|
| Power supply                         |                            | V/Ph/Hz              | 208-230V/3N/60Hz                       |
| Capacity                             | Cooling                    | kW                   | 35                                     |
|                                      | Cooling                    | Ton                  | 9.95                                   |
|                                      | Heating                    | kW                   | 38.5                                   |
|                                      | Heating                    | Ton                  | 10.95                                  |
| Power Input                          |                            | kW                   | 1.93                                   |
| Rated current                        |                            | A                    | 6.5                                    |
| motor                                | Model                      |                      | YE3-100L1-4                            |
|                                      | Type                       |                      | AC                                     |
|                                      | Brand                      |                      | Langdi                                 |
|                                      | Capacitor                  |                      | /                                      |
|                                      | Speed (Hi/Med/Low)         | r/min                | 1750                                   |
|                                      | ESP                        | Pa                   | 250                                    |
| Indoor coil                          | Number of rows             |                      | 3                                      |
|                                      | Tube pitch(a)×row pitch(b) | mm                   | 22*19.05                               |
|                                      | Coil(W×H)                  |                      | 1730*572                               |
|                                      | Number of circuits         |                      | 24                                     |
|                                      | Fin type                   |                      | Hydrophilic aluminum                   |
|                                      | Tube diameter and type     | mm                   | Ø9.52, Innergroove tube                |
| Air flow (High speed)                |                            | m <sup>3</sup> /h    | 7500                                   |
| Sound pressure level                 |                            | dB(A)                | 63                                     |
| Body                                 | Dimension (W×H×D)          | mm                   | 2165×916×676                           |
|                                      | Packing (W×H×D)            | mm                   | 2267×1050×840                          |
|                                      | Net/Gross weight           | kg                   | 217/280                                |
| Refrigerant type                     |                            |                      | R410A                                  |
| Throttle type                        |                            |                      | EXV                                    |
| Max operating pressure(H/L)          |                            | MPa                  | 4.5/1.6                                |
| Pipe size                            | Liquid pipe                | mm (in)              | Ø15.9 (5/8")                           |
|                                      | Gas pipe                   | mm (in)              | Ø28.6 (1-1/8")                         |
| Connecting wire                      | Power wire                 | mm <sup>2</sup>      | 2.5*4+2.5(L≤20m)<br>4*4+2.5(20m<L≤50m) |
|                                      | Signal wire                | mm <sup>2</sup>      | 0.75*2 shield                          |
| Drainage water pipe (Outer diameter) |                            | mm                   | Ø26                                    |
| Controller                           | Standard                   |                      | Wired controller                       |
|                                      | Optional                   |                      | Remote controller                      |
| Operation temp                       |                            | °C                   | 16~32                                  |

## Drawing of indoor unit dimensions (unit: mm)



| Body size |     |     | Installation size |      |     | Air outlet size |     | Air return size |     |
|-----------|-----|-----|-------------------|------|-----|-----------------|-----|-----------------|-----|
| A         | B   | C   | D1                | D2   | E   | F               | G   | H               | I   |
| 2165      | 916 | 676 | 1926              | 2176 | 950 | 928             | 292 | 1563            | 563 |

| Model name                 |                       | DVR-D400W/HXR1    |                              |
|----------------------------|-----------------------|-------------------|------------------------------|
| Power supply               |                       | V/Ph/Hz           | 208~230 / 3 / 60             |
| Cooling                    | Capacity              | HP                | 14HP                         |
|                            |                       | kW                | 40                           |
|                            |                       | Btu/h             | 136500                       |
|                            |                       | RT                | 11.4                         |
|                            | Power input           | kW                | 9.33                         |
|                            | EER                   | W/W               | 4.29                         |
| Heating                    | Capacity              | kW                | 45                           |
|                            |                       | Btu/h             | 153500                       |
|                            |                       | RT                | 12.8                         |
|                            | Power input           | kW                | 9.32                         |
|                            | COP                   | W/W               | 4.83                         |
| Rated Current              |                       | A                 | 51                           |
| DC Inverter compressor     | Quantity              |                   | 1                            |
|                            | Type                  |                   | DC /Scroll                   |
|                            | Brand                 |                   | Mitsubishi                   |
|                            | frequency range       | HZ                | 30~360                       |
|                            |                       | rps               | 10~120                       |
|                            | Crankshaft heating    | W                 | 35                           |
| Compressor oil             | Model                 |                   | FV50S                        |
|                            | Original oil volume   | ml                | 2300+5000                    |
| Fan data                   |                       |                   |                              |
| Fan motor                  | Type                  |                   | DC                           |
|                            | Model                 |                   | DR-310-560-8-1 (ZDK560-8ZFm) |
|                            | Quantity              |                   | 2                            |
|                            | Insulation class      |                   | B                            |
|                            | Protection class      |                   | IP44                         |
|                            | Power output          | W                 | 560                          |
| Fan blade                  | Material              |                   | ASG20                        |
|                            | Type                  |                   | axial-flow                   |
|                            | Drive                 |                   | Direct-driven                |
|                            | Fan Quantity          |                   | 2                            |
|                            | Air flow              | m <sup>3</sup> /h | 16000                        |
| Physical data              |                       |                   |                              |
| Outdoor coil               | Fin type              |                   | hydrophilic                  |
|                            | Tube outside diameter | mm                | 7.94                         |
|                            | Tube type             |                   | Inner-grooved                |
| Refrigerant                | Type                  |                   | R410a                        |
|                            | Volume                | kg                | 16                           |
|                            | throttle              |                   | EXV                          |
| Dimension (D*H*W)          | Net                   | mm                | 840*1740*1340                |
|                            | Packing               | mm                | 910*1900*1410                |
| Weight                     | Net                   | kg                | 275                          |
|                            | Gross                 | kg                | 290                          |
| Outdoor sound level        |                       | dB(A)             | 71                           |
| Maximum operating pressure |                       | MPa               | 4.5                          |

| Piping & wiring data        |                                            |                 |                       |
|-----------------------------|--------------------------------------------|-----------------|-----------------------|
| Pipe size                   | Liquid pipe                                | mm (in)         | Ø15.9 (5/8")          |
|                             | Gas pipe                                   | mm (in)         | Ø28.6 (1-1/8")        |
| Max. pipe length            | Total pipe length                          | m               | 1000                  |
|                             | From OU to farthest IU(Actual length)      | m               | 190                   |
|                             | From OU to farthest IU(Equivalent length)  | m               | 220                   |
|                             | From 1st indoor distributor to farthest IU | m               | 40                    |
| Max. vertical length        | Between OU & IU(OU above IU)               | m               | 90                    |
|                             | Between OU & IU(OU below IU)               | m               | 110                   |
|                             | Between IUs                                | m               | 30                    |
|                             | Between OUs                                | m               | 0                     |
| Connection wire             | Power wire size                            | mm <sup>2</sup> | 16.0×3                |
|                             | Signal wire type                           |                 | 3-core shielded cable |
|                             | Signal wire size                           | mm <sup>2</sup> | 0.75                  |
| Operation temperature range |                                            |                 |                       |
| Cooling                     | Outdoor side                               | °C              | -5~55                 |
|                             | Indoor side                                | °C              | 16~32                 |
| Heating                     | Outdoor side                               | °C              | -15~30                |
|                             | Indoor side                                | °C              | 16~32                 |

## Notes:

1. Cooling operating temperature range is from -5°C to 55°C (It can be customized down to -10°C). Heating operating temperature range is from -15°C to 30°C.
2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
4. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
5. The above data may be changed without notice for future improvement on quality and performance.

## Drawing of outdoor unit dimensions (unit: mm)

