

**SWAN**  
**DRY ENERGY**

Refrigerated  
**AIR DRYER**

Built in  
**AFTER  
COOLER**

To get the Dry Air  
Quality and Experience

# TECHNICAL SPECIFICATIONS

| Model       | Air Flow             |      | Power<br>V/Ph/Hz | KW    | Connection<br>Inc | Dimension |      |      | Weight<br>Kg | Refrigerated |
|-------------|----------------------|------|------------------|-------|-------------------|-----------|------|------|--------------|--------------|
|             | m <sup>3</sup> / min | Cfm  |                  |       |                   | L         | W    | H    |              |              |
| SDE-04 HIT  | 0.9                  | 32   | 220/1/50         | 0.31  | 1"                | 718       | 388  | 880  | 80           | R134a        |
| SDE-08 HIT  | 1.4                  | 50   | 220/1/50         | 0.51  | 1"                | 718       | 388  | 880  | 88           | R134a        |
| SDE-11 HIT  | 1.8                  | 64   | 220/1/50         | 0.54  | 1"                | 718       | 388  | 880  | 91           | R134a        |
| SDE-15 HIT  | 2.7                  | 95   | 220/1/50         | 0.96  | 1"                | 718       | 388  | 880  | 97           | R407C        |
| SDE-22 HIT  | 4.3                  | 152  | 220/1/50         | 1.12  | 1 1/2"            | 868       | 388  | 1200 | 113          | R407C        |
| SDE-37 HIT  | 8.1                  | 286  | 220/1/50         | 1.83  | 2"                | 1200      | 450  | 1350 | 150          | R407C        |
| SDE-55 HIT  | 11                   | 389  | 220/1/50         | 2.66  | 2"                | 1200      | 450  | 1350 | 200          | R407C        |
| SDE-75 HIT  | 15                   | 530  | 380/3/50         | 3.28  | 2 1/2"            | 1200      | 600  | 1600 | 267          | R407C        |
| SDE-90 HIT  | 18                   | 636  | 380/3/50         | 3.68  | 2 1/2"            | 1200      | 600  | 1600 | 279          | R407C        |
| SDE-110 HIT | 23                   | 813  | 380/3/50         | 4.63  | 2 1/2"            | 1200      | 600  | 1600 | 624          | R407C        |
| SDE-130 HIT | 28                   | 990  | 380/3/50         | 5.03  | 2 1/2"            | 1200      | 600  | 1600 | 367          | R407C        |
| SDE-150 HIT | 36                   | 1272 | 380/3/50         | 6.53  | 3"                | 1500      | 1000 | 1850 | 536          | R407C        |
| SDE-180 HIT | 48                   | 1696 | 380/3/50         | 10.56 | 4"                | 1800      | 1000 | 2000 | 678          | R407C        |

Dryer maximum air flow = Dryer air flow x K1 x K2 x K3 x K4

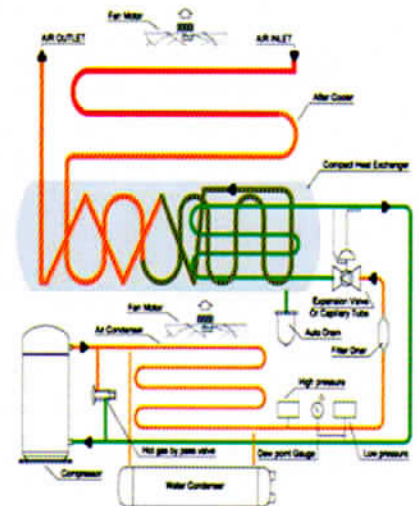
## Correction factor

|                                     |      |      |      |      |      |      |      |      |
|-------------------------------------|------|------|------|------|------|------|------|------|
| Ambient temperature                 | 28   | 30   | 32   | 35   | 38   | 40   | 42   | 43   |
| Factor ( K1 )                       | 1.14 | 1.11 | 1.08 | 1.00 | 0.96 | 0.89 | 0.82 | 0.78 |
| Air inlet temperature               | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   |
| Factor ( K2 )                       | 1.12 | 1.08 | 1.00 | 0.92 | 0.84 | 0.72 | 0.70 | 0.68 |
| Working pressure Kg/cm <sup>2</sup> | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 13   |
| Factor ( K3 )                       | 0.80 | 0.90 | 0.94 | 1.00 | 1.04 | 1.07 | 1.10 | 1.13 |
| Pressure Dew point                  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 10   |
| Factor ( K4 )                       | 0.96 | 1.00 | 1.04 | 1.06 | 1.08 | 1.10 | 1.14 | 1.16 |

- HIT Series Air Inlet Temperature 80°C (Max.)
- Pressure Dew Point 2 ~ 10°C
- Ambient Temperature 10 ~ 43°C
- Independent After Cooler
- Air In-Out Pressure Drop <3 Psig

## The overall design quality

- Independent large after-cooler design, cooling capacity increase 10% to 20%, suitable for high-temperature and heavy-duty use.
- Using Energy Design -an independent after cooler set cooling inlet air, firstly can remove the moisture content 30% to 50%, dramatically reducing the cooling load on the system could save up to 20% to 30%.
- Air Outlet warmed by the heat exchanger, to prevent the rear air pressure system condensation and corrosion within the pipeline, to ensure compressed air system is clean and reliable.
- All machines designed meet CE safety requirements, using electrical components with CE safety certification.
- Compact Design, configuration, save installation space.
- Using high temperature powder coating paint casing, beautiful and do not rust.
- Fully closed base with Galvanized anti-corrosion design.



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