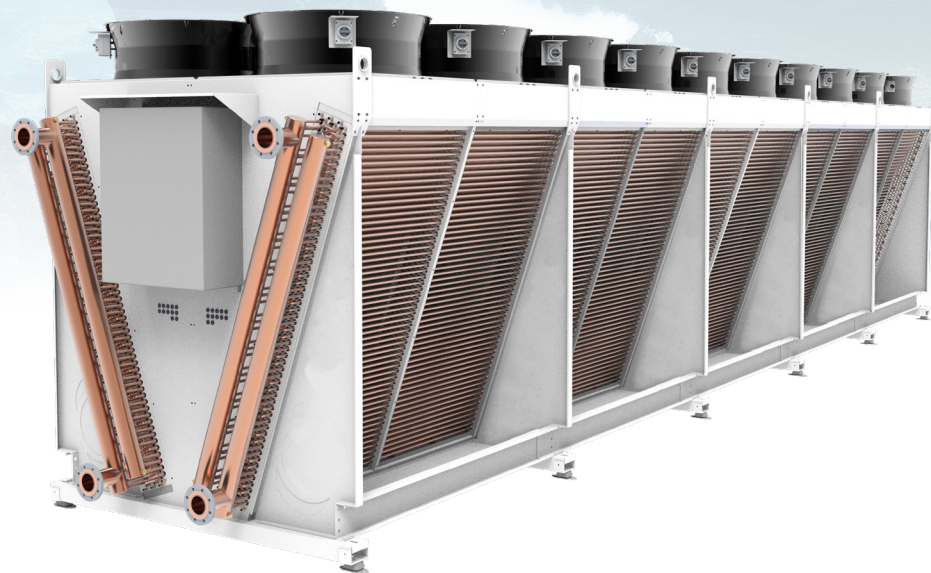


# V SHAPED DRY COOLER

The reliable, efficient, and sustainable cooling solution for industrial and commercial applications

## D- SERIES

Cooling capacity from 200 kW to 2.500 kW



ENEX TECHNOLOGIES presents the **V-shaped Dry Cooler** range for industrial or commercial applications. This unit was designed to meet every need: energy efficiency, ergonomics, space, etc. All ENEX TECHNOLOGIES products are designed and conceived with high levels of excellence in food preservation, with a robust building developed to withstand every weather condition, including heavy snow and wind loads, guaranteeing a long lifetime.

This line of product, **ready to use in Industrial Refrigeration, Energy & Process Cooling, IT Cooling and HVAC applications**, consists of more than 400 models of axial dry coolers for commercial and industrial applications, available in cooling capacities between 200 and 2.500 KW.

All ENEX TECHNOLOGIES flat dry coolers offer low noise levels and minimum energy consumption. All models can be fitted with optional EC fan motors. Fan speed can be controlled electronically to increase energy savings.

A large choice of **configurations and accessories** are available to meet any specification, plus of our customization capability.

This wide range of models and their accessories provide a complete portfolio that meets most of the cooling industry's needs.

## LEADING PROFESSIONAL SOLUTIONS IN HEAT REJECTION

ENEX TECHNOLOGIES' assessment of V-shaped dry coolers performance parameters under different conditions and control strategies is essential to designing and optimizing the units for specific applications.

Our V-SHAPED DRY COOLERS range are segmented into 4 types:

| RANGE                                              | STANDARD CONDITIONS SC15 (kW) |
|----------------------------------------------------|-------------------------------|
| Ultra efficiency – Ultra low noise level DF91/DK91 | 193 – 1.389                   |
| Low noise level DF80/DK80                          | 233 – 1.831                   |
| High performance DF87/DK87                         | 257 – 2.276                   |
| Ultra high performance DF96/DK96                   | 272 – 2.475                   |

**Standard Conditions SC15:** Fluid: Water, Fluid Inlet T° 40°C, Fluid Outlet T° 35°C, Air inlet T° 25

## MAIN FEATURES

With more than 400 years of combined experience in design, production and distribution and doing business in over 125 countries, ENEX TECHNOLOGIES flat dry cooler line offers customers a wide spectrum of benefits including, but not limited to:

### HIGH PERFORMANCE

- EC fan as standard, they adapt to the needs of the installation, so that it achieves optimal performance with minimal energy consumption. 30% savings compared to an AC fan.
- Also, the staggered arrangement of copper tubes across self-spaced fins, the accurate link between tubes and fins as well as the use of corrugated fins, all of this configuration allows our coils to reach the highest performance.

### ULTRA-EFFICIENT

- The best EC fan option on the market in terms of efficiency/performance.
- 4 times more efficient for the same capacity compared to a standard solution.

### ULTRA-SILENCE

- 15 dB LESS (SPL) at 10 m compared to a standard solution.

### CUSTOMIZATION ON DEMAND

- Highest level of customization available to meet application requirements.

### LONG PRODUCT LIFE

- Strong and robust design includes high quality components to meet all thermodynamic and product life cycle requirements.
- 10 surface treatments available to increase product life cycle in challenging environments.

### SELECTION SOFTWARE

- Our proprietary selection software gives customers flexibility in adjusting settings as parameters of the application change.

### SAFETY & RELIABILITY

- PS = 10 bar
- Resistance and leaks tests up to 12 bar
- Burst tests up to 90 bar
- Equipment pressurized with nitrogen at 2.5bar

### SUSTAINABILITY

- With a GWP of 0

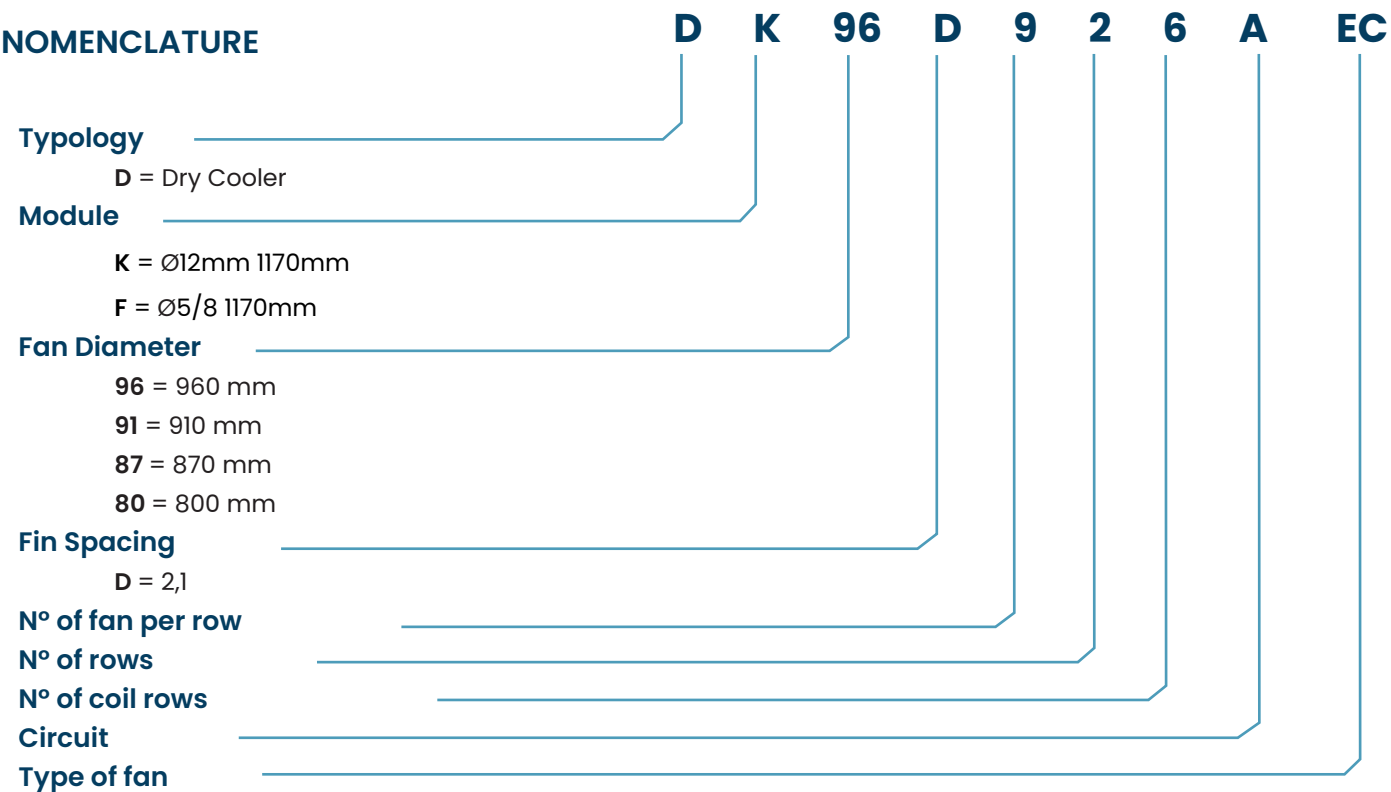


## DRY COOLERS

### V SHAPED DRY COOLER – D-Series

## TECHNICAL FEATURES

### NOMENCLATURE



### FINNED COILS

- Built with copper tubes Ø 12mm and Ø5/8" are manufactured in compliance with CUPROCLIMA specifications.
- The staggered arrangement of copper tubes across self-spaced, louvered fins accurately links tubes and fins for higher coil performance.
- FLOATING PACK SYSTEM allows coils to levitate to avoid leaks.
- All coils are subjected to resistance and leakage testing under a rated pressure of 12 bar and pressurized using nitrogen at 2.5 bar to avoid inner surface corrosion of the copper tubes.
- Copper headers with Aluminum slip-on Flanges - Nominal Pressure 10 - DIN2633 (as standard)
- Copper headers with SS slip-on Flanges - Nominal Pressure 10 - DIN2633 (as optional).
- Copper headers with brass screw connection (as optional).

### CASING

- Manufactured in galvanized steel with external surface painted epoxy-polyester and then baked and cured at 180° C for greater protection against corrosion

even in extreme environmental conditions, also allowing the casing to meet more demanding food hygiene standards.

- Internal separators avoid the "by-pass" effect during sequential operation of fans.
- Metallic protection on connections and return bends.
- Legs included in both positions, horizontal and vertical coil as standard.

### FAN MOTORS

- Available fans' diameters: Ø 800/870/910/960 mm.
- Axial fans with external rotor (380-480V III @ 50/60Hz).
- Standard EC fan motors that modulate rotation speed according to unit requirements, delivering excellent acoustic performance and peak operation.



## DRY COOLERS

### V SHAPED DRY COOLER – D-Series

## OPTIONS & ACCESORIES

### COIL

- Copper headers with brass screw connection
- Copper headers with SS slip-on Flanges - Nominal Pressure 10 - DIN2633
- Stainless steel tubes ('F' Module)
- Copper Fins
- Coated Fins
- AL-MG Fins
- AquaAero treatment
- Blygold treatment
- Other coil surface treatment

### CASING

- AquaAero protection casing
- Silentblocks
- Internal inspection walkway

### ELECTRICAL OPTIONS

- Main service switch
- Basic electrical wiring (WE)
  - Individual service switch by fan
- Electrical standard panel (WEPF)
  - Individual service switch by fan
  - EC speed controller + temperature probes (basic)
- Electrical premium panel (WEPM)
  - Individual service switch by fan
  - EC speed controller + temperature probes (advanced)
  - Adiabatic control
  - BACnet router

### OTHER

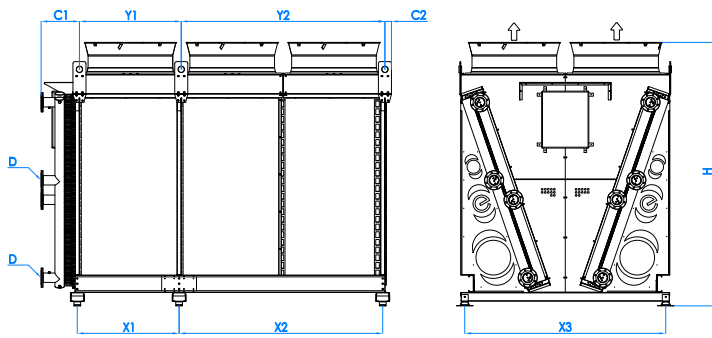
- Adiabatic spray system
- Adiabatic PAD system (Coming soon)
- Recirculation water system (Coming soon)



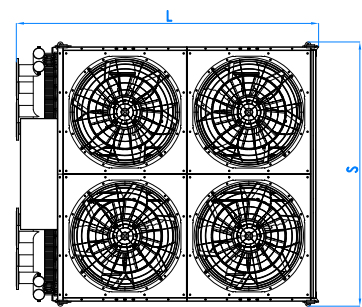


DRY COOLERS  
V SHAPED DRY COOLER - D-Series

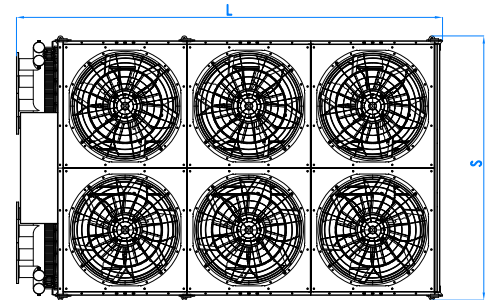
PRODUCT RANGE OVERVIEW



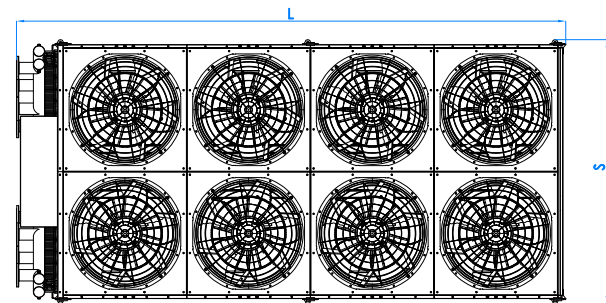
| N° Fans | C1  | C2 | Y1   | Y2   | X1   | X2   | X3   | H    |
|---------|-----|----|------|------|------|------|------|------|
| 4       | 441 | 75 | 2340 | -    | 2340 | -    | 2310 | 3028 |
| 6       | 441 | 75 | 1170 | 2340 | 1170 | 2340 | 2310 | 3028 |
| 8       | 441 | 75 | 2340 | -    | 2340 | -    | 2310 | 3028 |
| 10      | 441 | 75 | 2340 | 1170 | 2340 | 1170 | 2310 | 3028 |
| 12      | 441 | 75 | 2340 | -    | 2340 | -    | 2310 | 3028 |
| 14      | 441 | 75 | 1170 | 2340 | 1170 | 2340 | 2310 | 3028 |
| 16      | 441 | 75 | 2340 | -    | 2340 | -    | 2310 | 3028 |
| 18      | 441 | 75 | 1170 | 2340 | 1170 | 2340 | 2310 | 3028 |
| 20      | 441 | 75 | 2340 | -    | 2340 | -    | 2310 | 3028 |



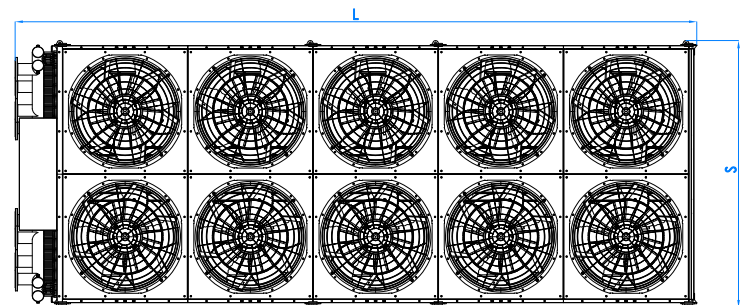
| MODEL   | L    | S    |
|---------|------|------|
| D*96_22 | 2857 | 2496 |
| D*87_22 | 2857 | 2496 |
| D*80_22 | 2857 | 2496 |
| D*91_22 | 2857 | 2496 |



| MODEL   | L    | S    |
|---------|------|------|
| D*96_23 | 4026 | 2496 |
| D*87_23 | 4026 | 2496 |
| D*80_23 | 4026 | 2496 |
| D*91_23 | 4026 | 2496 |



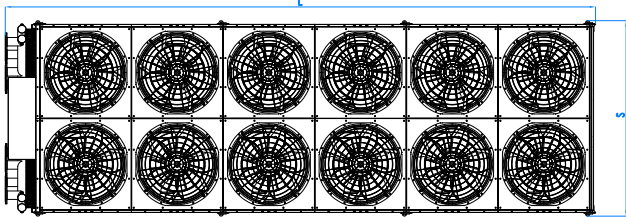
| MODEL   | L    | S    |
|---------|------|------|
| D*96_24 | 5198 | 2496 |
| D*87_24 | 5198 | 2496 |
| D*80_24 | 5198 | 2496 |
| D*91_24 | 5198 | 2496 |



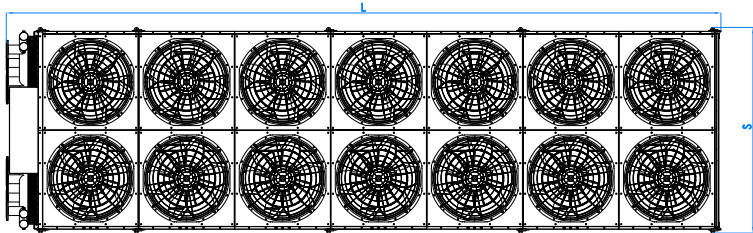
| MODEL   | L    | S    |
|---------|------|------|
| D*96_25 | 6366 | 2496 |
| D*87_25 | 6366 | 2496 |
| D*80_25 | 6366 | 2496 |
| D*91_25 | 6366 | 2496 |



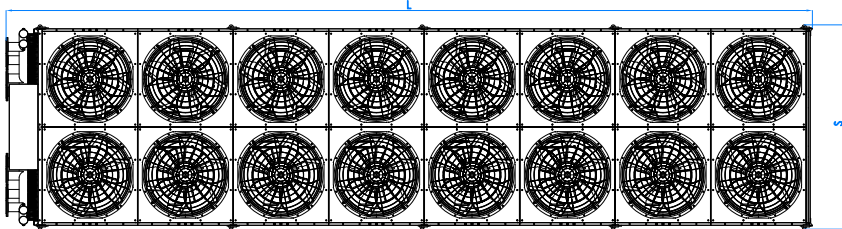
DRY COOLERS  
V SHAPED DRY COOLER - D-Series



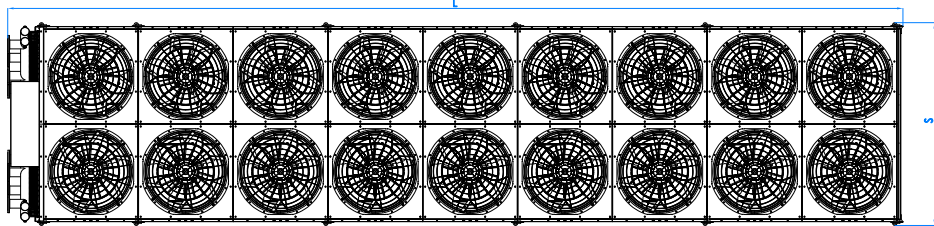
| MODEL   | L    | S    |
|---------|------|------|
| D*96_26 | 7536 | 2496 |
| D*87_26 | 7536 | 2496 |
| D*80_26 | 7536 | 2496 |
| D*91_26 | 7536 | 2496 |



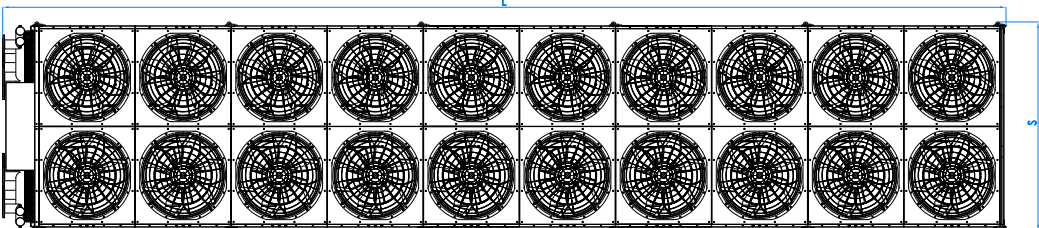
| MODEL   | L    | S    |
|---------|------|------|
| D*96_27 | 8707 | 2496 |
| D*87_27 | 8707 | 2496 |
| D*80_27 | 8707 | 2496 |
| D*91_27 | 8707 | 2496 |



| MODEL   | L    | S    |
|---------|------|------|
| D*96_28 | 9876 | 2496 |
| D*87_28 | 9876 | 2496 |
| D*80_28 | 9876 | 2496 |
| D*91_28 | 9876 | 2496 |



| MODEL   | L     | S    |
|---------|-------|------|
| D*96_29 | 11047 | 2496 |
| D*87_29 | 11047 | 2496 |
| D*80_29 | 11047 | 2496 |
| D*91_29 | 11047 | 2496 |



| MODEL   | L     | S    |
|---------|-------|------|
| D*96_A2 | 12214 | 2496 |
| D*87_A2 | 12214 | 2496 |
| D*80_A2 | 12214 | 2496 |
| D*91_A2 | 12214 | 2496 |



DRY COOLERS  
V SHAPED DRY COOLER – D-Series

TECHNICAL DATA

Fan ø= 960 mm

Fin pitch = 2,1 mm, RPM = 1090 – Ultra high performance

| Model       | Capacity (kW) | Pressure Drop | Surface | Internal Volume | Air Flow | Noise Level | Fans Data |      |       | Weight |
|-------------|---------------|---------------|---------|-----------------|----------|-------------|-----------|------|-------|--------|
|             | SC20          |               | m²      | dm³             | m³/h     | dBA (10m)   | Nº        | kW   | A     | kg     |
| DK96D222 EC | 272,0         | 81,0          | 531,5   | 72,1            | 144.643  | 57          | 4         | 10,8 | 16,8  | 685    |
| DK96D223 EC | 356,6         | 61,0          | 798,1   | 110,8           | 140.944  | 57          | 4         | 11,4 | 17,6  | 771    |
| DK96D224 EC | 422,0         | 82,0          | 1064,0  | 148,4           | 137.398  | 57          | 4         | 12,0 | 18,4  | 857    |
| DK96D225 EC | 472,7         | 57,0          | 1330,0  | 185,5           | 132.044  | 57          | 4         | 12,8 | 19,6  | 943    |
| DK96D226 EC | 503,1         | 72,0          | 1596,0  | 220,0           | 128.574  | 57          | 4         | 13,3 | 20,4  | 1.028  |
| DK96D322 EC | 405,1         | 54,0          | 798,3   | 111,3           | 216.965  | 59          | 6         | 16,2 | 25,2  | 1.022  |
| DK96D323 EC | 530,7         | 43,0          | 1197,0  | 167,0           | 211.416  | 59          | 6         | 17,1 | 26,4  | 1.150  |
| DK96D324 EC | 632,7         | 78,0          | 1597,0  | 222,6           | 206.097  | 59          | 6         | 18,0 | 27,6  | 1.278  |
| DK96D325 EC | 708,7         | 54,0          | 1996,0  | 278,3           | 198.066  | 58          | 6         | 19,2 | 29,4  | 1.406  |
| DK96D326 EC | 756,7         | 83,0          | 2394,0  | 332,4           | 192.861  | 58          | 6         | 20,0 | 30,6  | 1.534  |
| DK96D422 EC | 534,6         | 38,0          | 1064,0  | 148,4           | 289.286  | 60          | 8         | 21,5 | 33,6  | 1.359  |
| DK96D423 EC | 700,6         | 30,0          | 1597,0  | 222,6           | 281.887  | 59          | 8         | 22,8 | 35,2  | 1.529  |
| DK96D424 EC | 843,4         | 77,0          | 2129,0  | 296,8           | 274.796  | 59          | 8         | 24,0 | 36,8  | 1.699  |
| DK96D425 EC | 944,7         | 53,0          | 2661,0  | 371,0           | 264.088  | 59          | 8         | 25,7 | 39,2  | 1.869  |
| DK96D426 EC | 999,1         | 43,0          | 3193,0  | 445,2           | 257.148  | 59          | 8         | 26,6 | 40,8  | 2.039  |
| DK96D522 EC | 680,1         | 71,0          | 1330,0  | 185,5           | 361.607  | 60          | 10        | 26,9 | 42,0  | 1.697  |
| DK96D523 EC | 890,8         | 56,0          | 1996,0  | 278,3           | 352.359  | 60          | 10        | 28,6 | 44,0  | 1.909  |
| DK96D524 EC | 1043,0        | 45,0          | 2661,0  | 371,0           | 343.495  | 60          | 10        | 30,0 | 46,0  | 2.120  |
| DK96D525 EC | 1169,0        | 31,0          | 3326,0  | 463,8           | 330.110  | 60          | 10        | 32,1 | 49,0  | 2.332  |
| DK96D526 EC | 1261,0        | 79,0          | 3991,0  | 556,5           | 321.435  | 60          | 10        | 33,3 | 51,0  | 2.544  |
| DK96D622 EC | 778,2         | 16,0          | 1597,0  | 222,6           | 433.929  | 61          | 12        | 32,3 | 50,4  | 2.034  |
| DK96D623 EC | 1021,0        | 13,0          | 2395,0  | 333,9           | 422.831  | 61          | 12        | 34,3 | 52,8  | 2.288  |
| DK96D624 EC | 1265,0        | 75,0          | 3193,0  | 445,2           | 412.194  | 61          | 12        | 36,0 | 55,2  | 2.542  |
| DK96D625 EC | 1417,0        | 52,0          | 3991,0  | 556,5           | 396.132  | 61          | 12        | 38,5 | 58,8  | 2.795  |
| DK96D626 EC | 1498,0        | 42,0          | 4790,0  | 667,8           | 385.721  | 61          | 12        | 40,0 | 61,2  | 3.049  |
| DK96D722 EC | 923,2         | 25,0          | 1863,0  | 259,7           | 506.250  | 62          | 14        | 37,7 | 58,8  | 2371   |
| DK96D723 EC | 1210,0        | 20,0          | 2794,0  | 389,6           | 493.302  | 62          | 14        | 40,0 | 61,6  | 2667   |
| DK96D724 EC | 1419,0        | 16,0          | 3725,0  | 519,4           | 480.893  | 62          | 14        | 42,0 | 64,4  | 2963   |
| DK96D725 EC | 1665,0        | 80,0          | 4657,0  | 649,3           | 462.154  | 62          | 14        | 44,9 | 68,6  | 3259   |
| DK96D726 EC | 1760,0        | 64,0          | 5588,0  | 779,1           | 450.008  | 62          | 14        | 46,6 | 71,4  | 3555   |
| DK96D822 EC | 1068,0        | 37,0          | 2129,0  | 296,8           | 578.571  | 63          | 16        | 43,1 | 67,2  | 2709   |
| DK96D823 EC | 1400,0        | 29,0          | 3193,0  | 445,2           | 563.774  | 63          | 16        | 45,7 | 70,4  | 3047   |
| DK96D824 EC | 1640,0        | 23,0          | 4258,0  | 593,6           | 549.592  | 63          | 16        | 48,1 | 73,6  | 3384   |
| DK96D825 EC | 1841,0        | 16,0          | 5322,0  | 742,0           | 528.176  | 63          | 16        | 51,3 | 78,4  | 3722   |
| DK96D826 EC | 1950,0        | 13,0          | 6386,0  | 890,4           | 514.295  | 63          | 16        | 53,3 | 81,6  | 4060   |
| DK96D922 EC | 1214,0        | 51,0          | 2395,0  | 333,9           | 650.893  | 64          | 18        | 48,5 | 75,6  | 3046   |
| DK96D923 EC | 1590,0        | 41,0          | 3592,0  | 500,9           | 634.246  | 64          | 18        | 51,4 | 79,2  | 3426   |
| DK96D924 EC | 1862,0        | 32,0          | 4790,0  | 667,8           | 618.291  | 64          | 18        | 54,1 | 82,8  | 3806   |
| DK96D925 EC | 2088,0        | 23,0          | 5987,0  | 834,8           | 594.198  | 64          | 18        | 57,7 | 88,2  | 4185   |
| DK96D926 EC | 2211,0        | 18,0          | 7185,0  | 1001,7          | 578.582  | 64          | 18        | 59,9 | 91,8  | 4565   |
| DK96DA22 EC | 1360,0        | 70,0          | 2661,0  | 371,0           | 723.214  | 65          | 20        | 53,9 | 84,0  | 3383   |
| DK96DA23 EC | 1781,0        | 55,0          | 3991,0  | 556,5           | 704.718  | 65          | 20        | 57,1 | 88,0  | 3805   |
| DK96DA24 EC | 2084,0        | 44,0          | 5322,0  | 742,0           | 686.990  | 64          | 20        | 60,1 | 92,0  | 4227   |
| DK96DA25 EC | 2336,0        | 30,0          | 6652,0  | 927,5           | 660.220  | 64          | 20        | 64,2 | 98,0  | 4649   |
| DK96DA26 EC | 2473,0        | 25,0          | 7983,0  | 1113,0          | 642.869  | 64          | 20        | 66,6 | 102,0 | 5070   |



DRY COOLERS  
V SHAPED DRY COOLER – D-Series

Fan ø= 960 mm

Fin pitch = 2,1 mm, RPM = 1090 – Ultra high performance

| Model       | Capacity (kW) | Pressure Drop | Surface | Internal Volume | Air Flow | Noise Level | Fans Data |      |       | Weight |
|-------------|---------------|---------------|---------|-----------------|----------|-------------|-----------|------|-------|--------|
|             | SC20          | kPa           | m²      | dm³             | m³/h     | dBA (10m)   | Nº        | kW   | A     | kg     |
| DF96D222 EC | 301,3         | 62,0          | 652,3   | 100,4           | 143.389  | 57          | 4         | 11,0 | 16,8  | 735    |
| DF96D223 EC | 391,7         | 70,0          | 979,9   | 156,1           | 139.115  | 57          | 4         | 11,7 | 18,0  | 846    |
| DF96D224 EC | 430,9         | 62,0          | 1306,0  | 208,2           | 129.085  | 57          | 4         | 13,3 | 20,4  | 957    |
| DF96D225 EC | 467,0         | 67,0          | 1633,0  | 259,3           | 124.302  | 57          | 4         | 13,9 | 21,2  | 1.068  |
| DF96D226 EC | 488,4         | 72,0          | 1958,0  | 306,7           | 119.874  | 57          | 4         | 14,4 | 22,0  | 1.179  |
| DF96D322 EC | 452,4         | 56,0          | 979,9   | 156,1           | 215.084  | 59          | 6         | 16,5 | 25,2  | 1.097  |
| DF96D323 EC | 589,5         | 84,0          | 1469,0  | 230,0           | 208.672  | 59          | 6         | 17,6 | 27,0  | 1.262  |
| DF96D324 EC | 649,8         | 84,0          | 1959,0  | 309,4           | 193.628  | 58          | 6         | 19,9 | 30,6  | 1.428  |
| DF96D325 EC | 700,0         | 65,0          | 2448,0  | 384,7           | 186.452  | 59          | 6         | 20,8 | 31,8  | 1.593  |
| DF96D326 EC | 733,9         | 77,0          | 2940,0  | 468,3           | 179.811  | 59          | 6         | 21,6 | 33,0  | 1.759  |
| DF96D422 EC | 602,6         | 56,0          | 1306,0  | 206,3           | 286.778  | 60          | 8         | 22,0 | 33,6  | 1.459  |
| DF96D423 EC | 773,9         | 42,0          | 1960,0  | 312,2           | 278.229  | 59          | 8         | 23,5 | 36,0  | 1.679  |
| DF96D424 EC | 861,0         | 58,0          | 2613,0  | 416,3           | 258.170  | 59          | 8         | 26,5 | 40,8  | 1.898  |
| DF96D425 EC | 937,8         | 84,0          | 3266,0  | 520,4           | 248.603  | 59          | 8         | 27,8 | 42,4  | 2.118  |
| DF96D426 EC | 976,5         | 66,0          | 3919,0  | 622,6           | 239.747  | 60          | 8         | 28,8 | 44,0  | 2.338  |
| DF96D522 EC | 741,0         | 32,0          | 1633,0  | 260,2           | 358.473  | 60          | 10        | 27,5 | 42,0  | 1.821  |
| DF96D523 EC | 982,6         | 79,0          | 2450,0  | 390,3           | 347.786  | 60          | 10        | 29,3 | 45,0  | 2.095  |
| DF96D524 EC | 1072,0        | 48,0          | 3265,0  | 515,7           | 322.712  | 60          | 10        | 33,1 | 51,0  | 2.369  |
| DF96D525 EC | 1172,0        | 83,0          | 4083,0  | 650,5           | 310.753  | 60          | 10        | 34,7 | 53,0  | 2.643  |
| DF96D526 EC | 1221,0        | 65,0          | 4899,0  | 780,6           | 299.684  | 60          | 10        | 36,0 | 55,0  | 2.917  |
| DF96D622 EC | 903,8         | 54,0          | 1960,0  | 312,2           | 430.167  | 61          | 12        | 33,0 | 50,4  | 2.183  |
| DF96D623 EC | 1160,0        | 41,0          | 2940,0  | 468,3           | 417.343  | 61          | 12        | 35,2 | 54,0  | 2.511  |
| DF96D624 EC | 1299,0        | 81,0          | 3918,0  | 618,9           | 387.255  | 61          | 12        | 39,8 | 61,2  | 2.840  |
| DF96D625 EC | 1400,0        | 62,0          | 4899,0  | 777,8           | 372.904  | 61          | 12        | 41,6 | 63,6  | 3.168  |
| DF96D626 EC | 1458,0        | 48,0          | 5879,0  | 936,7           | 359.621  | 61          | 12        | 43,2 | 66,0  | 3.496  |
| DF96D722 EC | 1067,0        | 84,0          | 2286,0  | 364,3           | 501.862  | 62          | 14        | 38,5 | 58,8  | 2545   |
| DF96D723 EC | 1369,0        | 64,0          | 3430,0  | 546,4           | 486.900  | 62          | 14        | 41,1 | 63,0  | 2928   |
| DF96D724 EC | 1494,0        | 39,0          | 4573,0  | 728,5           | 451.797  | 62          | 14        | 46,4 | 71,4  | 3310   |
| DF96D725 EC | 1611,0        | 30,0          | 5716,0  | 910,7           | 435.054  | 62          | 14        | 48,6 | 74,2  | 3693   |
| DF96D726 EC | 1712,0        | 73,0          | 6859,0  | 1092,8          | 419.558  | 62          | 14        | 50,4 | 77,0  | 4076   |
| DF96D822 EC | 1156,0        | 16,0          | 2613,0  | 416,3           | 573.556  | 63          | 16        | 44,0 | 67,2  | 2907   |
| DF96D823 EC | 1487,0        | 13,0          | 3919,0  | 624,5           | 556.457  | 63          | 16        | 46,9 | 72,0  | 3344   |
| DF96D824 EC | 1721,0        | 56,0          | 5226,0  | 832,6           | 516.339  | 63          | 16        | 53,0 | 81,6  | 3781   |
| DF96D825 EC | 1855,0        | 43,0          | 6532,0  | 1040,8          | 497.205  | 63          | 16        | 55,5 | 84,8  | 4218   |
| DF96D826 EC | 1934,0        | 34,0          | 7839,0  | 1248,9          | 479.494  | 63          | 16        | 57,6 | 88,0  | 4655   |
| DF96D922 EC | 1318,0        | 23,0          | 2940,0  | 468,3           | 645.251  | 64          | 18        | 49,5 | 75,6  | 3269   |
| DF96D923 EC | 1694,0        | 18,0          | 4409,0  | 702,5           | 626.014  | 64          | 18        | 52,8 | 81,0  | 3760   |
| DF96D924 EC | 1948,0        | 78,0          | 5879,0  | 936,7           | 580.882  | 64          | 18        | 59,6 | 91,8  | 4252   |
| DF96D925 EC | 2099,0        | 60,0          | 7349,0  | 1170,9          | 559.355  | 64          | 18        | 62,5 | 95,4  | 4743   |
| DF96D926 EC | 2187,0        | 47,0          | 8819,0  | 1405,0          | 539.431  | 64          | 18        | 64,8 | 99,0  | 5234   |
| DF96DA22 EC | 1481,0        | 31,0          | 3266,0  | 520,4           | 716.945  | 65          | 20        | 55,0 | 84,0  | 3631   |
| DF96DA23 EC | 1903,0        | 24,0          | 4899,0  | 780,6           | 695.571  | 64          | 20        | 58,7 | 90,0  | 4177   |
| DF96DA24 EC | 2080,0        | 15,0          | 6532,0  | 1040,8          | 645.424  | 64          | 20        | 66,3 | 102,0 | 4722   |
| DF96DA25 EC | 2343,0        | 81,0          | 8165,0  | 1301,0          | 621.506  | 64          | 20        | 69,4 | 106,0 | 5268   |
| DF96DA26 EC | 2440,0        | 63,0          | 9799,0  | 1561,1          | 599.368  | 65          | 20        | 72,0 | 110,0 | 5813   |





DRY COOLERS  
V SHAPED DRY COOLER – D-Series

Fan ø= 870 mm

Fin pitch = 2,1 mm, RPM = 1.120 – High performance

| Model       | Capacity<br>(kW) | Pressure<br>Drop | Surface | Internal<br>Volume | Air Flow | Noise<br>Level | Fans Data |      |      | Weight |
|-------------|------------------|------------------|---------|--------------------|----------|----------------|-----------|------|------|--------|
|             | SC20             |                  | m²      | dm³                | m³/h     | dBA (10m)      | Nº        | kW   | A    | kg     |
| DK87D222 EC | 256,7            | 61,0             | 531,5   | 72,1               | 122.747  | 56             | 4         | 9,4  | 14,4 | 685    |
| DK87D223 EC | 335,2            | 76,0             | 798,3   | 111,3              | 119.649  | 56             | 4         | 9,9  | 15,2 | 771    |
| DK87D224 EC | 387,1            | 59,0             | 1064,0  | 148,4              | 116.737  | 56             | 4         | 10,3 | 15,6 | 857    |
| DK87D225 EC | 437,1            | 79,0             | 1330,0  | 184,0              | 114.240  | 56             | 4         | 10,6 | 16,4 | 943    |
| DK87D226 EC | 458,9            | 63,0             | 1596,0  | 220,0              | 111.672  | 56             | 4         | 10,9 | 16,8 | 1.028  |
| DK87D322 EC | 382,3            | 41,0             | 798,3   | 111,3              | 184.120  | 58             | 6         | 14,1 | 21,6 | 1.022  |
| DK87D323 EC | 502,6            | 73,0             | 1197,0  | 167,0              | 179.473  | 58             | 6         | 14,8 | 22,8 | 1.150  |
| DK87D324 EC | 580,4            | 57,0             | 1597,0  | 222,6              | 175.106  | 58             | 6         | 15,4 | 23,4 | 1.278  |
| DK87D325 EC | 651,0            | 48,0             | 1996,0  | 278,3              | 171.359  | 57             | 6         | 15,9 | 24,6 | 1.406  |
| DK87D326 EC | 690,1            | 72,0             | 2394,0  | 332,4              | 167.507  | 57             | 6         | 16,4 | 25,2 | 1.534  |
| DK87D422 EC | 504,6            | 29,0             | 1064,0  | 148,4              | 245.493  | 58             | 8         | 18,8 | 28,8 | 1.359  |
| DK87D423 EC | 669,9            | 71,0             | 1597,0  | 222,6              | 239.297  | 58             | 8         | 19,8 | 30,4 | 1.529  |
| DK87D424 EC | 773,6            | 55,0             | 2129,0  | 296,8              | 233.474  | 58             | 8         | 20,6 | 31,2 | 1.699  |
| DK87D425 EC | 867,7            | 47,0             | 2661,0  | 371,0              | 228.479  | 58             | 8         | 21,2 | 32,8 | 1.869  |
| DK87D426 EC | 922,2            | 84,0             | 3193,0  | 445,2              | 223.343  | 58             | 8         | 21,8 | 33,6 | 2.039  |
| DK87D522 EC | 641,8            | 54,0             | 1330,0  | 185,5              | 306.866  | 59             | 10        | 23,5 | 36,0 | 1.697  |
| DK87D523 EC | 827,8            | 42,0             | 1996,0  | 278,3              | 299.121  | 59             | 10        | 24,7 | 38,0 | 1.909  |
| DK87D524 EC | 956,6            | 33,0             | 2661,0  | 371,0              | 291.842  | 59             | 10        | 25,7 | 39,0 | 2.120  |
| DK87D525 EC | 1074,0           | 28,0             | 3326,0  | 463,8              | 285.599  | 59             | 10        | 26,5 | 41,0 | 2.332  |
| DK87D526 EC | 1150,0           | 69,0             | 3991,0  | 556,5              | 279.178  | 59             | 10        | 27,3 | 42,0 | 2.544  |
| DK87D622 EC | 734,8            | 12,0             | 1597,0  | 222,6              | 368.239  | 60             | 12        | 28,2 | 43,2 | 2.034  |
| DK87D623 EC | 1005,0           | 70,0             | 2395,0  | 333,9              | 358.945  | 60             | 12        | 29,6 | 45,6 | 2.288  |
| DK87D624 EC | 1160,0           | 54,0             | 3193,0  | 445,2              | 350.211  | 60             | 12        | 30,9 | 46,8 | 2.542  |
| DK87D625 EC | 1301,0           | 46,0             | 3991,0  | 556,5              | 342.718  | 60             | 12        | 31,8 | 49,2 | 2.795  |
| DK87D626 EC | 1367,0           | 37,0             | 4790,0  | 667,8              | 335.014  | 60             | 12        | 32,8 | 50,4 | 3.049  |
| DK87D722 EC | 871,6            | 19,0             | 1863,0  | 259,7              | 429.612  | 61             | 14        | 32,9 | 50,4 | 2371   |
| DK87D723 EC | 1126,0           | 15,0             | 2794,0  | 389,6              | 418.769  | 61             | 14        | 34,6 | 53,2 | 2667   |
| DK87D724 EC | 1364,0           | 84,0             | 3725,0  | 519,4              | 408.579  | 61             | 14        | 36,0 | 54,6 | 2963   |
| DK87D725 EC | 1529,0           | 71,0             | 4657,0  | 649,3              | 399.838  | 61             | 14        | 37,2 | 57,4 | 3259   |
| DK87D726 EC | 1605,0           | 56,0             | 5588,0  | 779,1              | 390.849  | 61             | 14        | 38,2 | 58,8 | 3555   |
| DK87D822 EC | 1009,0           | 28,0             | 2129,0  | 296,8              | 490.986  | 62             | 16        | 37,6 | 57,6 | 2709   |
| DK87D823 EC | 1302,0           | 22,0             | 3193,0  | 445,2              | 478.593  | 62             | 16        | 39,5 | 60,8 | 3047   |
| DK87D824 EC | 1506,0           | 17,0             | 4258,0  | 593,6              | 466.947  | 62             | 16        | 41,2 | 62,4 | 3384   |
| DK87D825 EC | 1692,0           | 14,0             | 5322,0  | 742,0              | 456.958  | 62             | 16        | 42,5 | 65,6 | 3722   |
| DK87D826 EC | 1844,0           | 82,0             | 6386,0  | 890,4              | 446.685  | 62             | 16        | 43,7 | 67,2 | 4060   |
| DK87D922 EC | 1146,0           | 39,0             | 2395,0  | 333,9              | 552.359  | 63             | 18        | 42,3 | 64,8 | 3046   |
| DK87D923 EC | 1478,0           | 30,0             | 3592,0  | 500,9              | 538.417  | 63             | 18        | 44,5 | 68,4 | 3426   |
| DK87D924 EC | 1709,0           | 24,0             | 4790,0  | 667,8              | 525.316  | 63             | 18        | 46,3 | 70,2 | 3806   |
| DK87D925 EC | 1920,0           | 20,0             | 5987,0  | 834,8              | 514.077  | 63             | 18        | 47,8 | 73,8 | 4185   |
| DK87D926 EC | 2020,0           | 16,0             | 7185,0  | 1001,7             | 502.520  | 62             | 18        | 49,1 | 75,6 | 4565   |
| DK87DA22 EC | 1283,0           | 53,0             | 2661,0  | 371,0              | 613.732  | 64             | 20        | 47,0 | 72,0 | 3383   |
| DK87DA23 EC | 1655,0           | 41,0             | 3991,0  | 556,5              | 598.241  | 64             | 20        | 49,4 | 76,0 | 3805   |
| DK87DA24 EC | 1912,0           | 32,0             | 5322,0  | 742,0              | 583.684  | 63             | 20        | 51,5 | 78,0 | 4227   |
| DK87DA25 EC | 2147,0           | 27,0             | 6652,0  | 927,5              | 571.197  | 63             | 20        | 53,1 | 82,0 | 4649   |
| DK87DA26 EC | 2258,0           | 22,0             | 7983,0  | 1113,0             | 558.356  | 63             | 20        | 54,6 | 84,0 | 5070   |



DRY COOLERS  
V SHAPED DRY COOLER – D-Series

Fan ø= 870 mm

Fin pitch = 2,1 mm, RPM = 1.120 – High performance

| Model       | Capacity<br>(kW) | Pressure<br>Drop | Surface | Internal<br>Volume | Air Flow | Noise<br>Level | Fans Data |      |      | Weight |
|-------------|------------------|------------------|---------|--------------------|----------|----------------|-----------|------|------|--------|
|             | SC20             | kPa              | m²      | dm³                | m³/h     | dBA (10m)      | Nº        | kW   | A    | kg     |
| DF87D222 EC | 266,6            | 62,0             | 653,2   | 104,1              | 119.844  | 56             | 4         | 9,9  | 15,2 | 735    |
| DF87D223 EC | 340,9            | 68,0             | 979,9   | 156,1              | 115.602  | 56             | 4         | 10,4 | 16,0 | 846    |
| DF87D224 EC | 412,8            | 58,0             | 1306,0  | 208,2              | 111.702  | 56             | 4         | 10,9 | 16,8 | 957    |
| DF87D225 EC | 442,6            | 82,0             | 1633,0  | 260,2              | 108.095  | 56             | 4         | 11,3 | 17,2 | 1.068  |
| DF87D226 EC | 456,9            | 84,0             | 1958,0  | 306,7              | 104.743  | 56             | 4         | 11,6 | 17,6 | 1.179  |
| DF87D322 EC | 401,2            | 75,0             | 979,1   | 153,3              | 179.765  | 58             | 6         | 14,8 | 22,8 | 1.097  |
| DF87D323 EC | 508,8            | 56,0             | 1469,0  | 230,0              | 173.403  | 58             | 6         | 15,7 | 24,0 | 1.262  |
| DF87D324 EC | 622,3            | 79,0             | 1959,0  | 309,4              | 167.552  | 57             | 6         | 16,4 | 25,2 | 1.428  |
| DF87D325 EC | 660,6            | 60,0             | 2448,0  | 384,7              | 162.142  | 57             | 6         | 17,0 | 25,8 | 1.593  |
| DF87D326 EC | 684,3            | 69,0             | 2940,0  | 468,3              | 157.114  | 57             | 6         | 17,4 | 26,4 | 1.759  |
| DF87D422 EC | 537,3            | 85,0             | 1306,0  | 208,2              | 239.687  | 58             | 8         | 19,7 | 30,4 | 1.459  |
| DF87D423 EC | 681,2            | 64,0             | 1960,0  | 312,2              | 231.203  | 58             | 8         | 20,9 | 32,0 | 1.679  |
| DF87D424 EC | 824,9            | 54,0             | 2613,0  | 416,3              | 223.403  | 58             | 8         | 21,8 | 33,6 | 1.898  |
| DF87D425 EC | 884,7            | 77,0             | 3266,0  | 520,4              | 216.190  | 58             | 8         | 22,6 | 34,4 | 2.118  |
| DF87D426 EC | 910,6            | 59,0             | 3919,0  | 622,6              | 209.485  | 58             | 8         | 23,2 | 35,2 | 2.338  |
| DF87D522 EC | 668,4            | 71,0             | 1632,0  | 257,9              | 299.608  | 59             | 10        | 24,6 | 38,0 | 1.821  |
| DF87D523 EC | 848,0            | 52,0             | 2450,0  | 390,3              | 289.004  | 59             | 10        | 26,1 | 40,0 | 2.095  |
| DF87D524 EC | 1027,0           | 45,0             | 3265,0  | 515,7              | 279.254  | 59             | 10        | 27,3 | 42,0 | 2.369  |
| DF87D525 EC | 1106,0           | 76,0             | 4083,0  | 650,5              | 270.237  | 59             | 10        | 28,3 | 43,0 | 2.643  |
| DF87D526 EC | 1138,0           | 58,0             | 4899,0  | 780,6              | 261.856  | 59             | 10        | 29,0 | 44,0 | 2.917  |
| DF87D622 EC | 789,2            | 37,0             | 1960,0  | 312,2              | 359.530  | 60             | 12        | 29,6 | 45,6 | 2.183  |
| DF87D623 EC | 1002,0           | 27,0             | 2940,0  | 468,3              | 346.805  | 60             | 12        | 31,3 | 48,0 | 2.511  |
| DF87D624 EC | 1244,0           | 75,0             | 3918,0  | 618,9              | 335.104  | 60             | 12        | 32,7 | 50,4 | 2.840  |
| DF87D625 EC | 1321,0           | 56,0             | 4899,0  | 777,8              | 324.284  | 60             | 12        | 33,9 | 51,6 | 3.168  |
| DF87D626 EC | 1360,0           | 43,0             | 5879,0  | 936,7              | 314.228  | 60             | 12        | 34,8 | 52,8 | 3.496  |
| DF87D722 EC | 931,5            | 57,0             | 2286,0  | 364,3              | 419.451  | 61             | 14        | 34,5 | 53,2 | 2545   |
| DF87D723 EC | 1182,0           | 42,0             | 3430,0  | 546,4              | 404.605  | 61             | 14        | 36,5 | 56,0 | 2928   |
| DF87D724 EC | 1432,0           | 36,0             | 4573,0  | 728,5              | 390.955  | 61             | 14        | 38,2 | 58,8 | 3310   |
| DF87D725 EC | 1522,0           | 27,0             | 5716,0  | 910,7              | 378.332  | 61             | 14        | 39,6 | 60,2 | 3693   |
| DF87D726 EC | 1596,0           | 66,0             | 6859,0  | 1092,8             | 366.599  | 61             | 14        | 40,6 | 61,6 | 4076   |
| DF87D822 EC | 1074,0           | 83,0             | 2613,0  | 416,3              | 479.373  | 62             | 16        | 39,4 | 60,8 | 2907   |
| DF87D823 EC | 1362,0           | 62,0             | 3919,0  | 624,5              | 462.406  | 62             | 16        | 41,8 | 64,0 | 3344   |
| DF87D824 EC | 1649,0           | 53,0             | 5226,0  | 832,6              | 446.806  | 62             | 16        | 43,7 | 67,2 | 3781   |
| DF87D825 EC | 1752,0           | 40,0             | 6532,0  | 1040,8             | 432.379  | 62             | 16        | 45,2 | 68,8 | 4218   |
| DF87D826 EC | 1805,0           | 30,0             | 7839,0  | 1248,9             | 418.970  | 62             | 16        | 46,5 | 70,4 | 4655   |
| DF87D922 EC | 1152,0           | 16,0             | 2940,0  | 468,3              | 539.294  | 63             | 18        | 44,3 | 68,4 | 3269   |
| DF87D923 EC | 1464,0           | 12,0             | 4409,0  | 702,5              | 520.207  | 63             | 18        | 47,0 | 72,0 | 3760   |
| DF87D924 EC | 1866,0           | 73,0             | 5879,0  | 936,7              | 502.657  | 62             | 18        | 49,1 | 75,6 | 4252   |
| DF87D925 EC | 1981,0           | 55,0             | 7349,0  | 1170,9             | 486.426  | 62             | 18        | 50,9 | 77,4 | 4743   |
| DF87D926 EC | 2040,0           | 42,0             | 8819,0  | 1405,0             | 471.341  | 62             | 18        | 52,3 | 79,2 | 5234   |
| DF87DA22 EC | 1293,0           | 21,0             | 3266,0  | 520,4              | 599.216  | 64             | 20        | 49,3 | 76,0 | 3631   |
| DF87DA23 EC | 1643,0           | 16,0             | 4899,0  | 780,6              | 578.007  | 63             | 20        | 52,2 | 80,0 | 4177   |
| DF87DA24 EC | 1996,0           | 14,0             | 6532,0  | 1040,8             | 558.507  | 63             | 20        | 54,6 | 84,0 | 4722   |
| DF87DA25 EC | 2211,0           | 74,0             | 8165,0  | 1301,0             | 540.474  | 63             | 20        | 56,5 | 86,0 | 5268   |
| DF87DA26 EC | 2276,0           | 57,0             | 9799,0  | 1561,1             | 523.712  | 63             | 20        | 58,1 | 88,0 | 5813   |

Fan ø= 800 mm

Fin pitch = 2,1 mm, RPM = 950 – Low noise

| Model       | Capacity<br>(kW) | Pressure<br>Drop | Surface | Internal<br>Volume | Air Flow | Noise<br>Level | Fans Data |      |      | Weight |
|-------------|------------------|------------------|---------|--------------------|----------|----------------|-----------|------|------|--------|
|             | SC20             |                  | m²      | dm³                | m³/h     | dBA (10m)      | Nº        | kW   | A    | kg     |
| DK8ID222 EC | 233,2            | 85,0             | 532,2   | 74,2               | 92.312   | 53             | 4         | 5,8  | 9,2  | 836    |
| DK8ID223 EC | 292,6            | 62,0             | 798,3   | 111,3              | 90.502   | 52             | 4         | 5,9  | 9,2  | 922    |
| DK8ID224 EC | 333,1            | 72,0             | 1064,0  | 147,9              | 88.777   | 52             | 4         | 6,1  | 9,6  | 1.008  |
| DK8ID225 EC | 358,8            | 80,0             | 1330,0  | 185,5              | 87.141   | 52             | 4         | 6,2  | 9,6  | 1.094  |
| DK8ID226 EC | 373,2            | 63,0             | 1597,0  | 222,6              | 85.570   | 52             | 4         | 6,3  | 10,0 | 1.180  |
| DK8ID322 EC | 349,7            | 82,0             | 798,3   | 111,3              | 138.467  | 54             | 6         | 8,7  | 13,8 | 1.249  |
| DK8ID323 EC | 438,8            | 60,0             | 1197,0  | 167,0              | 135.753  | 54             | 6         | 8,9  | 13,8 | 1.377  |
| DK8ID324 EC | 495,9            | 45,0             | 1597,0  | 222,6              | 133.165  | 54             | 6         | 9,1  | 14,4 | 1.505  |
| DK8ID325 EC | 536,9            | 64,0             | 1996,0  | 278,3              | 130.711  | 54             | 6         | 9,3  | 14,4 | 1.633  |
| DK8ID326 EC | 561,6            | 84,0             | 2395,0  | 333,9              | 128.355  | 54             | 6         | 9,4  | 15,0 | 1.760  |
| DK8ID422 EC | 466,1            | 80,0             | 1064,0  | 148,4              | 184.623  | 55             | 8         | 11,6 | 18,4 | 1.662  |
| DK8ID423 EC | 584,9            | 58,0             | 1597,0  | 222,6              | 181.004  | 55             | 8         | 11,9 | 18,4 | 1.832  |
| DK8ID424 EC | 661,1            | 44,0             | 2129,0  | 296,8              | 177.553  | 55             | 8         | 12,1 | 19,2 | 2.001  |
| DK8ID425 EC | 717,4            | 76,0             | 2661,0  | 371,0              | 174.281  | 55             | 8         | 12,4 | 19,2 | 2.171  |
| DK8ID426 EC | 746,2            | 59,0             | 3193,0  | 445,2              | 171.140  | 54             | 8         | 12,6 | 20,0 | 2.341  |
| DK8ID522 EC | 575,9            | 47,0             | 1330,0  | 185,5              | 230.778  | 56             | 10        | 14,5 | 23,0 | 2.075  |
| DK8ID523 EC | 723,2            | 34,0             | 1996,0  | 278,3              | 226.255  | 56             | 10        | 14,8 | 23,0 | 2.287  |
| DK8ID524 EC | 834,6            | 81,0             | 2661,0  | 371,0              | 221.941  | 56             | 10        | 15,2 | 24,0 | 2.498  |
| DK8ID525 EC | 894,6            | 62,0             | 3326,0  | 463,8              | 217.851  | 55             | 10        | 15,5 | 24,0 | 2.710  |
| DK8ID526 EC | 930,8            | 49,0             | 3991,0  | 556,5              | 213.925  | 55             | 10        | 15,7 | 25,0 | 2.922  |
| DK8ID622 EC | 699,0            | 78,0             | 1597,0  | 222,6              | 276.934  | 57             | 12        | 17,3 | 27,6 | 2.488  |
| DK8ID623 EC | 877,1            | 57,0             | 2395,0  | 333,9              | 271.506  | 57             | 12        | 17,8 | 27,6 | 2.741  |
| DK8ID624 EC | 991,4            | 43,0             | 3193,0  | 445,2              | 266.329  | 56             | 12        | 18,2 | 28,8 | 2.995  |
| DK8ID625 EC | 1064,0           | 33,0             | 3991,0  | 556,5              | 261.421  | 56             | 12        | 18,6 | 28,8 | 3.249  |
| DK8ID626 EC | 1123,0           | 80,0             | 4790,0  | 667,8              | 256.710  | 56             | 12        | 18,9 | 30,0 | 3.503  |
| DK8ID722 EC | 782,6            | 16,0             | 1863,0  | 259,7              | 323.089  | 58             | 14        | 20,2 | 32,2 | 2901   |
| DK8ID723 EC | 984,7            | 12,0             | 2794,0  | 389,6              | 316.757  | 58             | 14        | 20,8 | 32,2 | 3196   |
| DK8ID724 EC | 1165,0           | 66,0             | 3725,0  | 519,4              | 310.717  | 57             | 14        | 21,2 | 33,6 | 3492   |
| DK8ID725 EC | 1249,0           | 51,0             | 4657,0  | 649,3              | 304.991  | 57             | 14        | 21,6 | 33,6 | 3788   |
| DK8ID726 EC | 1300,0           | 39,0             | 5588,0  | 779,1              | 299.495  | 57             | 14        | 22,0 | 35,0 | 4084   |
| DK8ID822 EC | 905,3            | 24,0             | 2129,0  | 296,8              | 369.245  | 59             | 16        | 23,1 | 36,8 | 3314   |
| DK8ID823 EC | 1138,0           | 18,0             | 3193,0  | 445,2              | 362.008  | 58             | 16        | 23,7 | 36,8 | 3651   |
| DK8ID824 EC | 1289,0           | 13,0             | 4258,0  | 593,6              | 355.105  | 58             | 16        | 24,3 | 38,4 | 3989   |
| DK8ID825 EC | 1434,0           | 73,0             | 5322,0  | 742,0              | 348.562  | 58             | 16        | 24,7 | 38,4 | 4327   |
| DK8ID826 EC | 1492,0           | 57,0             | 6386,0  | 890,4              | 342.280  | 58             | 16        | 25,2 | 40,0 | 4665   |
| DK8ID922 EC | 1028,0           | 34,0             | 2395,0  | 333,9              | 415.401  | 60             | 18        | 26,0 | 41,4 | 3727   |
| DK8ID923 EC | 1292,0           | 25,0             | 3592,0  | 500,9              | 407.259  | 59             | 18        | 26,7 | 41,4 | 4106   |
| DK8ID924 EC | 1462,0           | 19,0             | 4790,0  | 667,8              | 399.493  | 59             | 18        | 27,3 | 43,2 | 4486   |
| DK8ID925 EC | 1571,0           | 14,0             | 5987,0  | 834,8              | 392.132  | 59             | 18        | 27,8 | 43,2 | 4866   |
| DK8ID926 EC | 1684,0           | 79,0             | 7185,0  | 1001,7             | 385.065  | 59             | 18        | 28,3 | 45,0 | 5245   |
| DK8IDA22 EC | 1151,0           | 46,0             | 2661,0  | 371,0              | 461.556  | 61             | 20        | 28,9 | 46,0 | 4139   |
| DK8IDA23 EC | 1446,0           | 33,0             | 3991,0  | 556,5              | 452.510  | 60             | 20        | 29,7 | 46,0 | 4561   |
| DK8IDA24 EC | 1636,0           | 25,0             | 5322,0  | 742,0              | 443.881  | 60             | 20        | 30,3 | 48,0 | 4983   |
| DK8IDA25 EC | 1756,0           | 19,0             | 6652,0  | 927,5              | 435.702  | 60             | 20        | 30,9 | 48,0 | 5405   |
| DK8IDA26 EC | 1831,0           | 15,0             | 7983,0  | 1113,0             | 427.850  | 60             | 20        | 31,5 | 50,0 | 5826   |

Fan ø= 800 mm

Fin pitch = 2,1 mm, RPM = 950 – Low noise

| Model       | Capacity<br>(kW) | Pressure<br>Drop | Surface | Internal<br>Volume | Air Flow | Noise<br>Level | Fans Data |      |      | Weight |
|-------------|------------------|------------------|---------|--------------------|----------|----------------|-----------|------|------|--------|
|             | SC20             | kPa              | m²      | dm³                | m³/h     | dBA (10m)      | Nº        | kW   | A    | kg     |
| DF8ID222 EC | 239,7            | 76,0             | 653,2   | 104,1              | 90.629   | 52             | 4         | 5,9  | 9,2  | 886    |
| DF8ID223 EC | 297,7            | 81,0             | 978,4   | 150,5              | 88.144   | 52             | 4         | 6,1  | 9,6  | 997    |
| DF8ID224 EC | 333,3            | 77,0             | 1305,0  | 204,4              | 85.808   | 52             | 4         | 6,3  | 10,0 | 1.108  |
| DF8ID225 EC | 353,8            | 75,0             | 1632,0  | 255,6              | 83.605   | 52             | 4         | 6,4  | 10,0 | 1.219  |
| DF8ID226 EC | 364,6            | 71,0             | 1960,0  | 312,2              | 81.522   | 52             | 4         | 6,5  | 10,4 | 1.330  |
| DF8ID322 EC | 357,7            | 63,0             | 979,1   | 153,3              | 135.944  | 54             | 6         | 8,9  | 13,8 | 1.324  |
| DF8ID323 EC | 446,9            | 73,0             | 1470,0  | 234,2              | 132.216  | 54             | 6         | 9,2  | 14,4 | 1.489  |
| DF8ID324 EC | 501,0            | 83,0             | 1960,0  | 312,2              | 128.712  | 54             | 6         | 9,4  | 15,0 | 1.654  |
| DF8ID325 EC | 529,9            | 62,0             | 2450,0  | 390,3              | 125.408  | 53             | 6         | 9,6  | 15,0 | 1.820  |
| DF8ID326 EC | 546,8            | 68,0             | 2940,0  | 468,3              | 122.283  | 53             | 6         | 9,8  | 15,6 | 1.985  |
| DF8ID422 EC | 479,0            | 72,0             | 1306,0  | 208,2              | 181.258  | 55             | 8         | 11,8 | 18,4 | 1.761  |
| DF8ID423 EC | 592,0            | 51,0             | 1960,0  | 312,2              | 176.288  | 55             | 8         | 12,2 | 19,2 | 1.981  |
| DF8ID424 EC | 666,2            | 73,0             | 2611,0  | 408,9              | 171.616  | 54             | 8         | 12,5 | 20,0 | 2.201  |
| DF8ID425 EC | 705,2            | 53,0             | 3266,0  | 520,4              | 167.210  | 54             | 8         | 12,8 | 20,0 | 2.420  |
| DF8ID426 EC | 729,0            | 67,0             | 3919,0  | 624,5              | 163.044  | 54             | 8         | 13,1 | 20,8 | 2.640  |
| DF8ID522 EC | 596,0            | 60,0             | 1632,0  | 257,9              | 226.573  | 56             | 10        | 14,8 | 23,0 | 2.199  |
| DF8ID523 EC | 737,1            | 42,0             | 2450,0  | 390,3              | 220.360  | 55             | 10        | 15,3 | 24,0 | 2.473  |
| DF8ID524 EC | 833,0            | 70,0             | 3266,0  | 520,4              | 214.520  | 55             | 10        | 15,7 | 25,0 | 2.747  |
| DF8ID525 EC | 881,4            | 52,0             | 4083,0  | 650,5              | 209.013  | 55             | 10        | 16,0 | 25,0 | 3.021  |
| DF8ID526 EC | 912,1            | 75,0             | 4899,0  | 778,3              | 203.805  | 55             | 10        | 16,3 | 26,0 | 3.295  |
| DF8ID622 EC | 704,1            | 31,0             | 1960,0  | 312,2              | 271.887  | 57             | 12        | 17,8 | 27,6 | 2.637  |
| DF8ID623 EC | 893,2            | 70,0             | 2940,0  | 468,3              | 264.432  | 56             | 12        | 18,3 | 28,8 | 2.965  |
| DF8ID624 EC | 994,8            | 52,0             | 3918,0  | 618,9              | 257.423  | 56             | 12        | 18,8 | 30,0 | 3.293  |
| DF8ID625 EC | 1053,0           | 39,0             | 4899,0  | 777,8              | 250.815  | 56             | 12        | 19,2 | 30,0 | 3.621  |
| DF8ID626 EC | 1093,0           | 66,0             | 5879,0  | 936,7              | 244.565  | 56             | 12        | 19,6 | 31,2 | 3.950  |
| DF8ID722 EC | 830,6            | 48,0             | 2286,0  | 364,3              | 317.202  | 58             | 14        | 20,7 | 32,2 | 3074   |
| DF8ID723 EC | 1027,0           | 34,0             | 3430,0  | 546,4              | 308.504  | 57             | 14        | 21,4 | 33,6 | 3457   |
| DF8ID724 EC | 1168,0           | 80,0             | 4571,0  | 722,0              | 300.327  | 57             | 14        | 22,0 | 35,0 | 3840   |
| DF8ID725 EC | 1236,0           | 59,0             | 5715,0  | 907,4              | 292.617  | 57             | 14        | 22,5 | 35,0 | 4222   |
| DF8ID726 EC | 1271,0           | 45,0             | 6859,0  | 1092,8             | 285.326  | 57             | 14        | 22,9 | 36,4 | 4605   |
| DF8ID822 EC | 957,4            | 70,0             | 2613,0  | 416,3              | 362.516  | 58             | 16        | 23,7 | 36,8 | 3512   |
| DF8ID823 EC | 1183,0           | 50,0             | 3919,0  | 624,5              | 352.576  | 58             | 16        | 24,4 | 38,4 | 3949   |
| DF8ID824 EC | 1319,0           | 36,0             | 5226,0  | 832,6              | 343.231  | 58             | 16        | 25,1 | 40,0 | 4386   |
| DF8ID825 EC | 1397,0           | 27,0             | 6532,0  | 1040,8             | 334.420  | 58             | 16        | 25,7 | 40,0 | 4823   |
| DF8ID826 EC | 1458,0           | 65,0             | 7839,0  | 1248,9             | 326.087  | 58             | 16        | 26,1 | 41,6 | 5260   |
| DF8ID922 EC | 1028,0           | 13,0             | 2940,0  | 468,3              | 407.830  | 59             | 18        | 26,6 | 41,4 | 3949   |
| DF8ID923 EC | 1339,0           | 69,0             | 4409,0  | 702,5              | 396.647  | 59             | 18        | 27,5 | 43,2 | 4441   |
| DF8ID924 EC | 1492,0           | 51,0             | 5879,0  | 936,7              | 386.135  | 59             | 18        | 28,2 | 45,0 | 4932   |
| DF8ID925 EC | 1580,0           | 38,0             | 7349,0  | 1170,9             | 376.222  | 59             | 18        | 28,9 | 45,0 | 5423   |
| DF8ID926 EC | 1625,0           | 29,0             | 8819,0  | 1405,0             | 366.848  | 59             | 18        | 29,4 | 46,8 | 5915   |
| DF8IDA22 EC | 1154,0           | 18,0             | 3266,0  | 520,4              | 453.145  | 60             | 20        | 29,6 | 46,0 | 4387   |
| DF8IDA23 EC | 1431,0           | 13,0             | 4899,0  | 780,6              | 440.719  | 60             | 20        | 30,6 | 48,0 | 4933   |
| DF8IDA24 EC | 1665,0           | 68,0             | 6532,0  | 1040,8             | 429.039  | 60             | 20        | 31,4 | 50,0 | 5478   |
| DF8IDA25 EC | 1762,0           | 51,0             | 8165,0  | 1301,0             | 418.025  | 60             | 20        | 32,1 | 50,0 | 6024   |
| DF8IDA26 EC | 1812,0           | 39,0             | 9799,0  | 1561,1             | 407.609  | 60             | 20        | 32,7 | 52,0 | 6569   |





DRY COOLERS  
V SHAPED DRY COOLER - D-Series

Fan ø= 910 mm

Fin pitch = 2,1 mm, RPM = 575 - Ultra low noise - Ultra efficiency

| Model       | Capacity (kW) | Pressure Drop | Surface | Internal Volume | Air Flow | Noise Level | Fans Data |      |      | Weight |
|-------------|---------------|---------------|---------|-----------------|----------|-------------|-----------|------|------|--------|
|             | SC20          |               | m²      | dm³             | m³/h     | dBA (10m)   | Nº        | kW   | A    | kg     |
| DK9ID222 EC | 192,9         | 61,0          | 532,2   | 74,2            | 71.263   | 42          | 4         | 1,9  | 3,6  | 685    |
| DK9ID223 EC | 236,4         | 69,0          | 797,2   | 108,2           | 68.402   | 42          | 4         | 2,0  | 3,6  | 771    |
| DK9ID224 EC | 261,0         | 68,0          | 1064,0  | 148,4           | 65.791   | 42          | 4         | 2,1  | 4,0  | 857    |
| DK9ID225 EC | 273,3         | 69,0          | 1330,0  | 185,5           | 63.394   | 41          | 4         | 2,2  | 4,0  | 943    |
| DK9ID226 EC | 277,9         | 69,0          | 1596,0  | 221,6           | 61.179   | 41          | 4         | 2,3  | 4,0  | 1.028  |
| DK9ID322 EC | 289,2         | 58,0          | 798,3   | 111,3           | 106.894  | 44          | 6         | 2,8  | 5,4  | 1.022  |
| DK9ID323 EC | 355,8         | 77,0          | 1197,0  | 166,2           | 102.603  | 44          | 6         | 3,0  | 5,4  | 1.150  |
| DK9ID324 EC | 390,4         | 55,0          | 1596,0  | 220,3           | 98.687   | 43          | 6         | 3,2  | 6,0  | 1.278  |
| DK9ID325 EC | 409,8         | 66,0          | 1996,0  | 278,3           | 95.091   | 43          | 6         | 3,3  | 6,0  | 1.406  |
| DK9ID326 EC | 417,1         | 77,0          | 2394,0  | 330,0           | 91.768   | 43          | 6         | 3,4  | 6,0  | 1.534  |
| DK9ID422 EC | 385,5         | 57,0          | 1064,0  | 148,4           | 142.526  | 45          | 8         | 3,8  | 7,2  | 1.359  |
| DK9ID423 EC | 469,5         | 40,0          | 1597,0  | 222,6           | 136.804  | 45          | 8         | 4,0  | 7,2  | 1.529  |
| DK9ID424 EC | 521,8         | 64,0          | 2129,0  | 296,8           | 131.582  | 44          | 8         | 4,2  | 8,0  | 1.699  |
| DK9ID425 EC | 544,5         | 47,0          | 2661,0  | 371,0           | 126.788  | 44          | 8         | 4,4  | 8,0  | 1.869  |
| DK9ID426 EC | 555,6         | 65,0          | 3192,0  | 443,1           | 122.357  | 44          | 8         | 4,5  | 8,0  | 2.039  |
| DK9ID522 EC | 476,5         | 34,0          | 1330,0  | 185,5           | 178.157  | 46          | 10        | 4,7  | 9,0  | 1.697  |
| DK9ID523 EC | 592,8         | 74,0          | 1996,0  | 278,3           | 171.005  | 45          | 10        | 5,0  | 9,0  | 1.909  |
| DK9ID524 EC | 650,7         | 53,0          | 2661,0  | 371,0           | 164.478  | 45          | 10        | 5,3  | 10,0 | 2.120  |
| DK9ID525 EC | 679,1         | 38,0          | 3326,0  | 463,8           | 158.485  | 45          | 10        | 5,5  | 10,0 | 2.332  |
| DK9ID526 EC | 694,5         | 64,0          | 3991,0  | 556,5           | 152.946  | 45          | 10        | 5,7  | 10,0 | 2.544  |
| DK9ID622 EC | 578,1         | 56,0          | 1597,0  | 222,6           | 213.788  | 47          | 12        | 5,7  | 10,8 | 2.034  |
| DK9ID623 EC | 704,0         | 39,0          | 2395,0  | 333,9           | 205.206  | 46          | 12        | 6,0  | 10,8 | 2.288  |
| DK9ID624 EC | 773,5         | 28,0          | 3193,0  | 445,2           | 197.373  | 46          | 12        | 6,3  | 12,0 | 2.542  |
| DK9ID625 EC | 819,4         | 64,0          | 3991,0  | 556,5           | 190.181  | 46          | 12        | 6,6  | 12,0 | 2.795  |
| DK9ID626 EC | 831,3         | 47,0          | 4790,0  | 667,8           | 183.535  | 46          | 12        | 6,8  | 12,0 | 3.049  |
| DK9ID722 EC | 648,1         | 12,0          | 1863,0  | 259,7           | 249.420  | 47          | 14        | 6,6  | 12,6 | 2371   |
| DK9ID723 EC | 827,4         | 60,0          | 2794,0  | 389,6           | 239.407  | 47          | 14        | 7,0  | 12,6 | 2667   |
| DK9ID724 EC | 908,4         | 43,0          | 3725,0  | 519,4           | 230.269  | 47          | 14        | 7,4  | 14,0 | 2963   |
| DK9ID725 EC | 948,4         | 31,0          | 4657,0  | 649,3           | 221.878  | 47          | 14        | 7,7  | 14,0 | 3259   |
| DK9ID726 EC | 973,2         | 72,0          | 5588,0  | 779,1           | 214.124  | 46          | 14        | 7,9  | 14,0 | 3555   |
| DK9ID822 EC | 749,5         | 17,0          | 2129,0  | 296,8           | 285.051  | 48          | 16        | 7,5  | 14,4 | 2709   |
| DK9ID823 EC | 914,6         | 12,0          | 3193,0  | 445,2           | 273.608  | 48          | 16        | 8,0  | 14,4 | 3047   |
| DK9ID824 EC | 1043,0        | 62,0          | 4258,0  | 593,6           | 263.164  | 48          | 16        | 8,4  | 16,0 | 3384   |
| DK9ID825 EC | 1089,0        | 45,0          | 5322,0  | 742,0           | 253.575  | 47          | 16        | 8,8  | 16,0 | 3722   |
| DK9ID826 EC | 1105,0        | 34,0          | 6386,0  | 890,4           | 244.713  | 47          | 16        | 9,1  | 16,0 | 4060   |
| DK9ID922 EC | 851,0         | 24,0          | 2395,0  | 333,9           | 320.682  | 49          | 18        | 8,5  | 16,2 | 3046   |
| DK9ID923 EC | 1038,0        | 17,0          | 3592,0  | 500,9           | 307.809  | 49          | 18        | 9,0  | 16,2 | 3426   |
| DK9ID924 EC | 1142,0        | 12,0          | 4790,0  | 667,8           | 296.059  | 48          | 18        | 9,5  | 18,0 | 3806   |
| DK9ID925 EC | 1229,0        | 63,0          | 5987,0  | 834,8           | 285.272  | 48          | 18        | 9,9  | 18,0 | 4185   |
| DK9ID926 EC | 1247,0        | 47,0          | 7185,0  | 1001,7          | 275.303  | 48          | 18        | 10,2 | 18,0 | 4565   |
| DK9IDA22 EC | 952,5         | 33,0          | 2661,0  | 371,0           | 356.314  | 50          | 20        | 9,4  | 18,0 | 3383   |
| DK9IDA23 EC | 1161,0        | 23,0          | 3991,0  | 556,5           | 342.010  | 50          | 20        | 10,0 | 18,0 | 3805   |
| DK9IDA24 EC | 1277,0        | 16,0          | 5322,0  | 742,0           | 328.955  | 49          | 20        | 10,5 | 20,0 | 4227   |
| DK9IDA25 EC | 1369,0        | 84,0          | 6652,0  | 927,5           | 316.969  | 49          | 20        | 11,0 | 20,0 | 4649   |
| DK9IDA26 EC | 1389,0        | 63,0          | 7983,0  | 1113,0          | 305.892  | 49          | 20        | 11,3 | 20,0 | 5070   |



DRY COOLERS  
V SHAPED DRY COOLER - D-Series

Fan ø= 910 mm

Fin pitch = 2,1 mm, RPM = 575 - Ultra low noise - Ultra efficiency

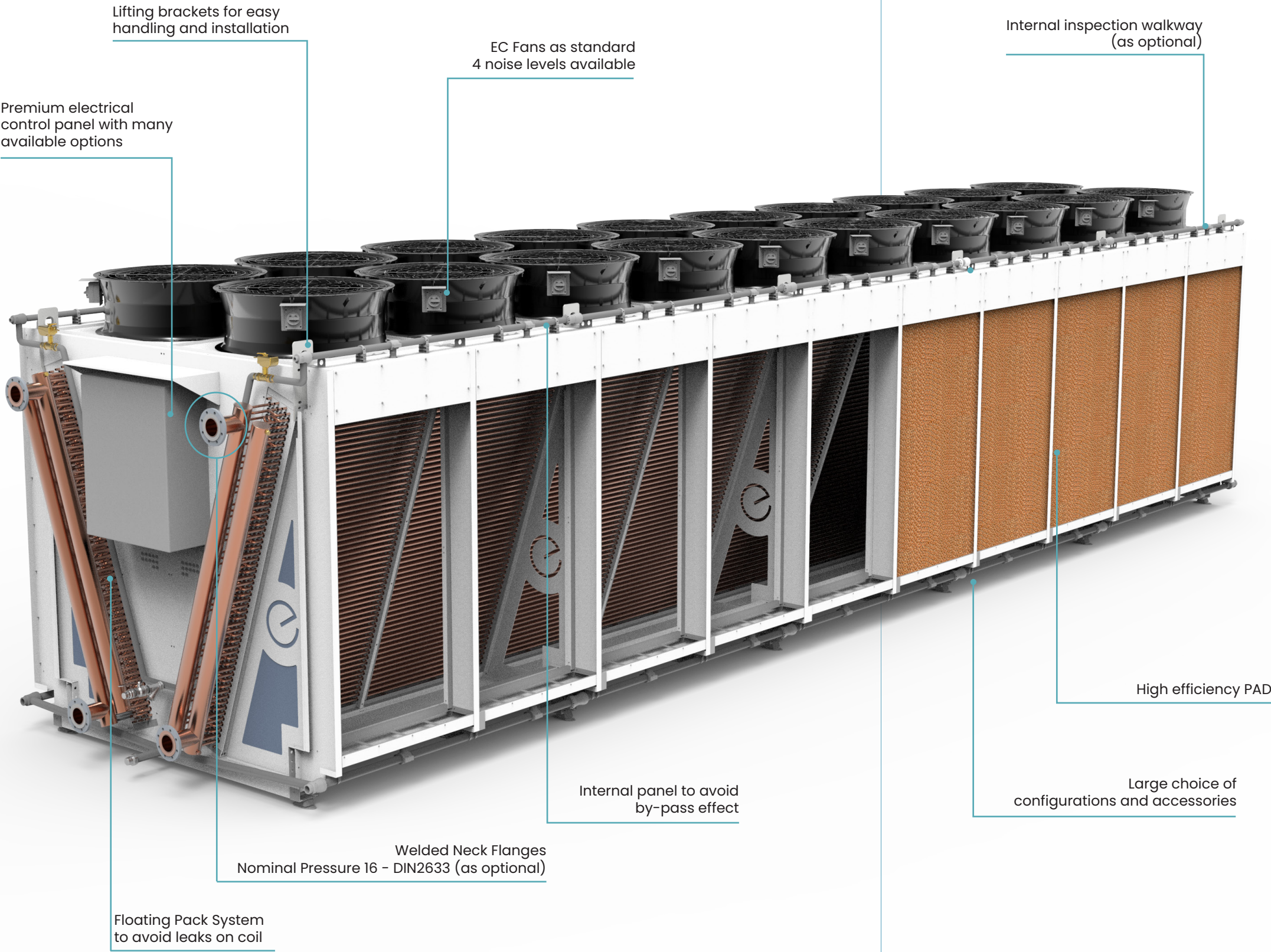
| Model       | Capacity (kW) | Pressure Drop | Surface | Internal Volume | Air Flow | Noise Level | Fans Data |      |      | Weight |
|-------------|---------------|---------------|---------|-----------------|----------|-------------|-----------|------|------|--------|
|             | SC20          | kPa           | m²      | dm³             | m³/h     | dBA (10m)   | Nº        | kW   | A    | kg     |
| DF9ID222 EC | 207,6         | 82,0          | 652,3   | 100,4           | 70.019   | 42          | 4         | 1,9  | 3,6  | 735    |
| DF9ID223 EC | 247,3         | 75,0          | 977,9   | 148,7           | 66.718   | 42          | 4         | 2,1  | 3,6  | 846    |
| DF9ID224 EC | 267,3         | 84,0          | 1305,0  | 200,7           | 63.749   | 41          | 4         | 2,2  | 4,0  | 957    |
| DF9ID225 EC | 274,3         | 73,0          | 1631,0  | 253,7           | 61.055   | 41          | 4         | 2,3  | 4,0  | 1.068  |
| DF9ID226 EC | 274,6         | 78,0          | 1958,0  | 306,7           | 58.558   | 41          | 4         | 2,4  | 4,0  | 1.179  |
| DF9ID322 EC | 311,2         | 79,0          | 978,4   | 150,5           | 105.028  | 44          | 6         | 2,9  | 5,4  | 1.097  |
| DF9ID323 EC | 372,0         | 76,0          | 1470,0  | 234,2           | 100.077  | 44          | 6         | 3,1  | 5,4  | 1.262  |
| DF9ID324 EC | 401,1         | 76,0          | 1960,0  | 312,2           | 95.623   | 43          | 6         | 3,3  | 6,0  | 1.428  |
| DF9ID325 EC | 411,9         | 75,0          | 2449,0  | 388,9           | 91.582   | 43          | 6         | 3,4  | 6,0  | 1.593  |
| DF9ID326 EC | 411,9         | 75,0          | 2937,0  | 460,0           | 87.837   | 43          | 6         | 3,5  | 6,0  | 1.759  |
| DF9ID422 EC | 412,7         | 52,0          | 1306,0  | 208,2           | 140.038  | 45          | 8         | 3,9  | 7,2  | 1.459  |
| DF9ID423 EC | 494,6         | 67,0          | 1958,0  | 306,7           | 133.436  | 44          | 8         | 4,1  | 7,2  | 1.679  |
| DF9ID424 EC | 534,6         | 76,0          | 2612,0  | 412,6           | 127.497  | 44          | 8         | 4,4  | 8,0  | 1.898  |
| DF9ID425 EC | 549,6         | 81,0          | 3266,0  | 520,4           | 122.110  | 44          | 8         | 4,5  | 8,0  | 2.118  |
| DF9ID426 EC | 549,8         | 85,0          | 3919,0  | 624,5           | 117.115  | 44          | 8         | 4,7  | 8,0  | 2.338  |
| DF9ID522 EC | 513,6         | 44,0          | 1632,0  | 257,9           | 175.047  | 46          | 10        | 4,8  | 9,0  | 1.821  |
| DF9ID523 EC | 618,5         | 64,0          | 2450,0  | 390,3           | 166.795  | 45          | 10        | 5,2  | 9,0  | 2.095  |
| DF9ID524 EC | 668,9         | 85,0          | 3264,0  | 511,1           | 159.371  | 45          | 10        | 5,4  | 10,0 | 2.369  |
| DF9ID525 EC | 685,1         | 58,0          | 4083,0  | 650,5           | 152.637  | 45          | 10        | 5,7  | 10,0 | 2.643  |
| DF9ID526 EC | 686,5         | 70,0          | 4899,0  | 780,6           | 146.394  | 45          | 10        | 5,9  | 10,0 | 2.917  |
| DF9ID622 EC | 622,7         | 73,0          | 1959,0  | 309,4           | 210.056  | 46          | 12        | 5,8  | 10,8 | 2.183  |
| DF9ID623 EC | 738,7         | 47,0          | 2940,0  | 468,3           | 200.154  | 46          | 12        | 6,2  | 10,8 | 2.511  |
| DF9ID624 EC | 801,9         | 73,0          | 3919,0  | 624,5           | 191.245  | 46          | 12        | 6,5  | 12,0 | 2.840  |
| DF9ID625 EC | 821,2         | 52,0          | 4899,0  | 780,6           | 183.164  | 46          | 12        | 6,8  | 12,0 | 3.168  |
| DF9ID626 EC | 823,7         | 70,0          | 5878,0  | 933,9           | 175.673  | 46          | 12        | 7,1  | 12,0 | 3.496  |
| DF9ID722 EC | 716,0         | 35,0          | 2286,0  | 364,3           | 245.065  | 47          | 14        | 6,8  | 12,6 | 2545   |
| DF9ID723 EC | 867,5         | 73,0          | 3430,0  | 546,4           | 233.513  | 47          | 14        | 7,2  | 12,6 | 2928   |
| DF9ID724 EC | 931,2         | 51,0          | 4571,0  | 722,0           | 223.119  | 47          | 14        | 7,6  | 14,0 | 3310   |
| DF9ID725 EC | 961,6         | 79,0          | 5716,0  | 910,7           | 213.692  | 46          | 14        | 7,9  | 14,0 | 3693   |
| DF9ID726 EC | 959,8         | 57,0          | 6859,0  | 1092,8          | 204.951  | 46          | 14        | 8,2  | 14,0 | 4076   |
| DF9ID822 EC | 825,0         | 51,0          | 2613,0  | 416,3           | 280.075  | 48          | 16        | 7,7  | 14,4 | 2907   |
| DF9ID823 EC | 979,1         | 34,0          | 3919,0  | 624,5           | 266.871  | 48          | 16        | 8,3  | 14,4 | 3344   |
| DF9ID824 EC | 1069,0        | 73,0          | 5224,0  | 825,2           | 254.993  | 47          | 16        | 8,7  | 16,0 | 3781   |
| DF9ID825 EC | 1095,0        | 51,0          | 6531,0  | 1037,0          | 244.219  | 47          | 16        | 9,1  | 16,0 | 4218   |
| DF9ID826 EC | 1099,0        | 82,0          | 7839,0  | 1248,9          | 234.230  | 47          | 16        | 9,4  | 16,0 | 4655   |
| DF9ID922 EC | 934,1         | 70,0          | 2940,0  | 468,3           | 315.084  | 49          | 18        | 8,7  | 16,2 | 3269   |
| DF9ID923 EC | 1108,0        | 47,0          | 4409,0  | 702,5           | 300.230  | 49          | 18        | 9,3  | 16,2 | 3760   |
| DF9ID924 EC | 1190,0        | 32,0          | 5879,0  | 936,7           | 286.867  | 48          | 18        | 9,8  | 18,0 | 4252   |
| DF9ID925 EC | 1235,0        | 71,0          | 7348,0  | 1166,7          | 274.746  | 48          | 18        | 10,2 | 18,0 | 4743   |
| DF9ID926 EC | 1233,0        | 51,0          | 8819,0  | 1405,0          | 263.509  | 48          | 18        | 10,6 | 18,0 | 5234   |
| DF9IDA22 EC | 996,1         | 13,0          | 3266,0  | 520,4           | 350.093  | 50          | 20        | 9,7  | 18,0 | 3631   |
| DF9IDA23 EC | 1237,0        | 63,0          | 4899,0  | 780,6           | 333.589  | 49          | 20        | 10,3 | 18,0 | 4177   |
| DF9IDA24 EC | 1328,0        | 43,0          | 6532,0  | 1040,8          | 318.741  | 49          | 20        | 10,9 | 20,0 | 4722   |
| DF9IDA25 EC | 1361,0        | 30,0          | 8165,0  | 1301,0          | 305.273  | 49          | 20        | 11,4 | 20,0 | 5268   |
| DF9IDA26 EC | 1373,0        | 68,0          | 9799,0  | 1561,1          | 292.788  | 49          | 20        | 11,8 | 20,0 | 5813   |





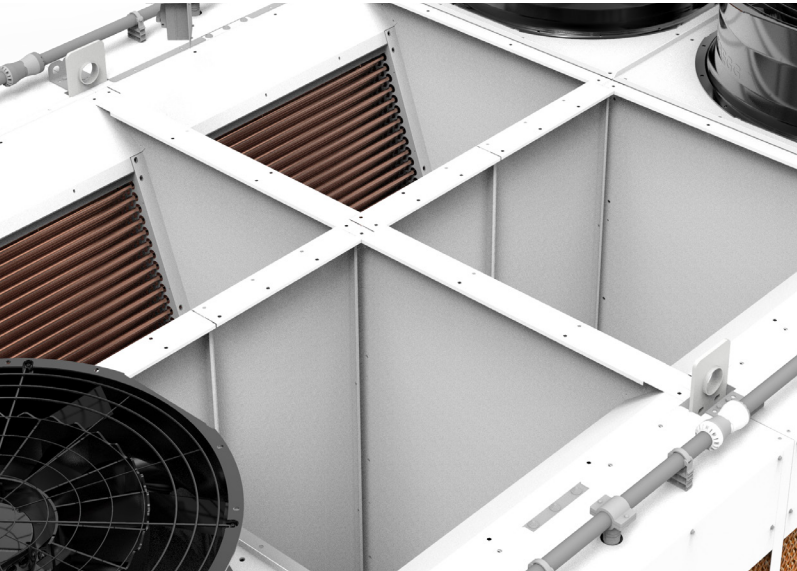
**DRY COOLERS**  
V SHAPED DRY COOLER - D-Series

**DISTINCTIVE TECHNOLOGICAL CHOICES OF THE RANGE**

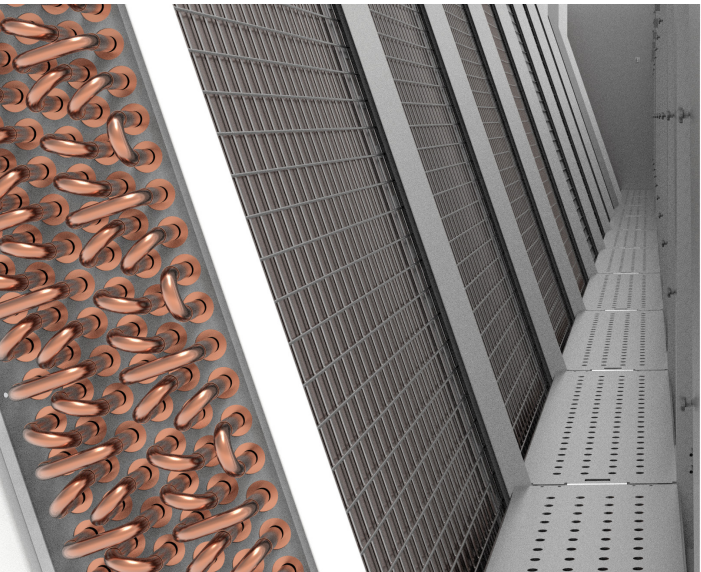


**DRY COOLERS**  
V SHAPED DRY COOLER - D-Series

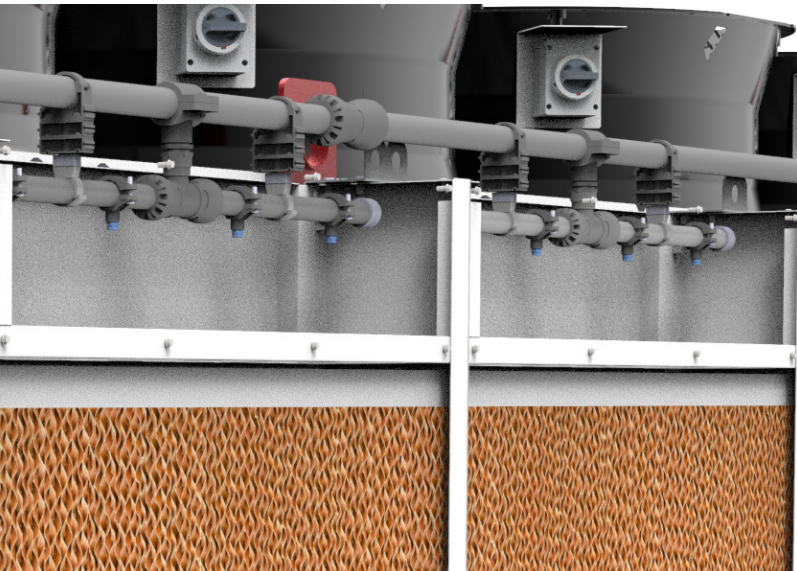
**Internal structure to avoid the by-pass effect**



**Internal inspection walkway (optional)**



**PAD and Spray adiabatic system (optional)**





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Via Delle Industrie, 7 31030 Vacil Di Breda Di Piave [TV], Italy | VAT IT02328320300  
Tel +39 0422 440429 | Fax +39 0422 961021 | [info@enex.it](mailto:info@enex.it) | [www.enex.it](http://www.enex.it)

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