

# Precision Cooling

## STULZ CyberOne EC DX

**STULZ**

CLIMATE. CUSTOMIZED.

STULZ CyberOne Direct Expansion (DX) Systems are a compact solution for efficient cooling in small spaces. They can be easily tucked into a corner, between cabinetry, or side-by-side. CyberOne units are especially adaptable to raised floors and are available in up-flow and down-flow air pattern configurations.



### STULZ CyberOne (COS)

kW	7 - 35
MBH	24 - 120
Tons	2 - 10
CFM	1,000 - 4,800

### Features and Benefits

- STULZ' state-of-the-art  $E^2$  Microprocessor with a range of BMS interface options
- Optimized air distribution for raised floor configurations, to avoid hot spots
- 100% front service access
- Up-flow and down-flow air patterns
- Optimized air distribution into raised floor to avoid hot spots
- Adjustable air volume
- Power correction included
- R407c
- Specialized designs available for agricultural grow facilities
- EC Fan
  - Fan speed is continuously adjustable via a signal from the system controller without the use of VFD's
  - Direct drive - no belt abrasion/dust, maintenance free operation
  - Less vibration / quite operation

# Technical data

Model	COS-024-AR/AHU	COS-042-AR/AHU	COS-060-AR/AHU	COS-096-AR	COS-120-AR
<b>NET DX COOLING CAPACITY - BTU/H, (includes standard DX evaporator motor heat @ std CFM &amp; e.s.p. ratings)</b>					
<b>75 °FDB/62.5 °FWB, 50% RH</b>					
Total	21,795	39,553	52,337	82,367	105,473
Sensible	18,915	35,900	47,191	81,492	95,913
<b>70 °FDB/58.5 °FWB, 50% RH</b>					
Total	19,997	36,196	47,191	78,379	96,609
Sensible	18,190	34,496	45,092	76,072	92,143
<b>Evaporator Blower / Motor - DWDI Centrifugal - Belt Driven, Variable Pitch Pulleys</b>					
Horsepower	1/2 Hp	1.0 Hp	1-1/2 Hp	3.0 Hp	3.0 Hp
CFM @ ext. st. press.	900 @ 0.5"	1,800 @ 0.5"	2,500 @ 0.5"	4,200 @ 0.5"	4,800 @ 0.5"
<b>Evaporator Coil - Aluminum Fin, Copper Tube</b>					
Rows/Face Area (ft2)	3/ 2.1	4/ 5.3	4/ 5.3	4/ 9.7	4/ 9.7
Face Velocity, fpm	428	338	469	434	495
<b>Dimensions: (H"xW"xD"), includes access panels, w/o Plenum Box option.</b>					
Up-flow	76"x31"x30"	76"x31"x30"	76"x31"x30"	76"x39"x34"	76"x39"x34"
Down-flow	82"x31"x30"	82"x31"x30"	82"x31"x30"	82"x39"x34"	82"x39"x34"

Model	COS-024-G	COS-042-G	COS-060-G	COS-096-G	COS-120-G
<b>NET DX COOLING CAPACITY - BTU/H, (includes standard DX evaporator motor heat @ std CFM &amp; e.s.p. ratings)</b>					
<b>75 °FDB/62.5 °FWB, 50% RH</b>					
Total	21,130	38,393	50,684	79,514	102,253
Sensible	18,709	35,531	46,720	79,235	95,052
<b>70 °FDB/58.5 °FWB, 50% RH</b>					
Total	19,369	35,058	45,582	72,853	93,600
Sensible	17,953	34,108	44,562	74,375	91,298
<b>Evaporator Blower / Motor - DWDI Centrifugal - Belt Driven, Variable Pitch Pulleys</b>					
Horsepower	1/2 Hp	1.0 Hp	1-1/2 Hp	3.0 Hp	3.0 Hp
CFM @ ext. st. press.	900 @ 0.5"	1,800 @ 0.5"	2,500 @ 0.5"	4,200 @ 0.5"	4,800 @ 0.5"
<b>Evaporator Coil - Aluminum Fin, Copper Tube</b>					
Rows/Face Area (ft2)	3/ 2.1	4/ 5.3	4/ 5.3	4/ 9.7	4/ 9.7
Face Velocity, fpm	428	338	469	434	495
<b>Dimensions: (H"xW"xD"), includes access panels, w/o Plenum Box option.</b>					
Up-flow	76"x31"x30"	76"x31"x30"	76"x31"x30"	76"x39"x34"	76"x39"x34"
Down-flow	82"x31"x30"	82"x31"x30"	82"x31"x30"	82"x39"x34"	82"x39"x34"

Model	COS-024-W	COS-042-W	COS-060-W	COS-096-W	COS-120-W
<b>NET DX COOLING CAPACITY - BTU/H, (includes standard DX evaporator motor heat @ std CFM &amp; e.s.p. ratings)</b>					
<b>75 °FDB/62.5 °FWB, 50% RH</b>					
Total	24,066	43,484	58,128	91,952	117,560
Sensible	19,309	37,001	48,858	84,826	99,162
<b>70 °FDB/58.5 °FWB, 50% RH</b>					
Total	22,260	39,841	52,671	84,282	107,781
Sensible	18,996	35,730	46,946	81,551	95,757
<b>Evaporator Blower / Motor - DWDI Centrifugal - Belt Driven, Variable Pitch Pulleys</b>					
Horsepower	1/2 Hp	1.0 Hp	1-1/2 Hp	3.0 Hp	3.0 Hp
CFM @ ext. st. press.	900 @ 0.5"	1,800 @ 0.5"	2,500 @ 0.5"	4,200 @ 0.5"	4,800 @ 0.5"
<b>Evaporator Coil - Aluminum Fin, Copper Tube</b>					
Rows/Face Area (ft2)	3/ 2.1	4/ 5.3	4/ 5.3	4/ 9.7	4/ 9.7
Face Velocity, fpm	428	338	469	434	495
<b>Dimensions: (H"xW"xD"), includes access panels, w/o Plenum Box option.</b>					
Up-flow	76"x31"x30"	76"x31"x30"	76"x31"x30"	76"x39"x34"	76"x39"x34"
Down-flow	82"x31"x30"	82"x31"x30"	82"x31"x30"	82"x39"x34"	82"x39"x34"

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Technical documentation subject to change without notice  
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