



# Knürr CoolAdd®

Universal upgrades  
against overheating  
in the server rack

1.68 to 1.70



## Knürr CoolAdd® Strong points



### Features

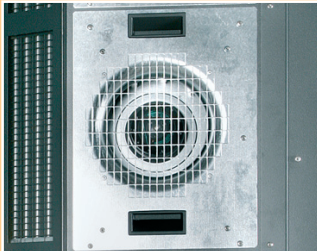
- Installation with adapter kit
- Adjustment of just a few parts
- Thermostatic shuttle valve for regulating cooling power
- Manual fan speed setting
- Individual fan monitoring
- Individual fan protection
- Installation with adapter kit
- Shuttle valve for regulating cooling power
- Heat exchanger is firmly connected with the existing rack (pipes and other connections are not accessible in the data center)
- Redundant n+1 fan set-up

### Benefits

- Knürr CoolAdd® can be used with all standard rack types
- Server rack remains unchanged
- Slim design heat exchanger (85mm)
- Access to components is always maintained
- Water-carrying components are safely shielded from the rack
- Existing racks can continue to be used
- Existing cabling remains
- Quick installation
- Just a few CoolAdd® components have to be adjusted
- Cools the server's warm exhaust air side
- Access to all built-in components always maintained
- Relieves the data center's thermal management system
- Cools up to an additional 8,000 watts



Shouldered thermostat relay with extensible component (without auxiliary power)



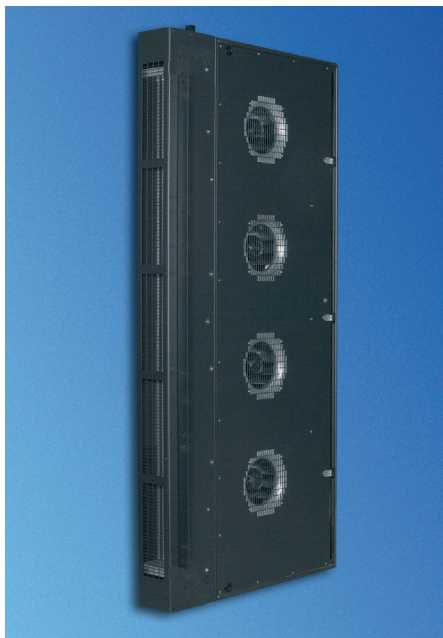
Optimal fans, including casings



Fan failure display/ four speed levels



Robust and safe 3 pt.-interlock



## Knürr CoolAdd® 19" upgrade solution for Knürr Miracel®

- 4 AC fans
- 4 manual setting speed levels
- Exhaust temperature control
- All standard external makes can be attached
- Cold water connection, 3/4"
- Min. cold water flow temp.: 14°C
- Control unit with fan failure monitoring
- LED visualization
- Alarm forwarding via potential-free contact

### ■ Technical data

- Cooling water spread: 14/20°C
- Cold water content: 1.6 l
- Cooling water volume flow: 1.15 m³/h
- Exhaust temperature after heat exchanger: 22° C
- Heat exchanger connection: 3/4" male thread
- Pressure loss (water-side): 400 mbar
- Heat exchanger max. operating pressure: 10 bar
- Max. absolute humidity in room: 8 g/kg
- Number of fans: 4
- Air volume flow: 2,500 m³/h
- Electrical connection (fans / fan control)  
230 V / 50 - 60 Hz 525 - 725 W

### ■ Protection rating

IP 20

### ■ Material/finish

Cover: Aluminum plate/sheet steel, zinc-passivated, powder-coated texture

### ■ Color

RAL 7021 dark gray

### ■ Supply schedule

1 fan door  
1 heat exchanger  
1 adapter set  
Mounting material

### ■ How supplied

Preassembled

W	H	D	kg	Cooling cap.	Rear door stop	Order no.	UP
600	2000	160	41	8 kW	Left	08.000.034.8	1 unit
600	2000	160	41	8 kW	Right	08.000.035.8	1 unit
600	2200	160	43	8 kW	Left	08.000.036.8	1 unit
600	2200	160	43	8 kW	Right	08.000.037.8	1 unit
700	2000	160	43	8 kW	Left	08.000.044.8	1 unit
700	2000	160	43	8 kW	Right	08.000.045.8	1 unit
700	2200	160	45	8 kW	Left	08.000.046.8	1 unit
700	2200	160	45	8 kW	Right	08.000.047.8	1 unit
800	2000	160	45	8 kW	Left	08.000.054.8	1 unit
800	2000	160	45	8 kW	Right	08.000.055.8	1 unit
800	2200	160	47	8 kW	Left	08.000.056.8	1 unit
800	2200	160	47	8 kW	Right	08.000.057.8	1 unit