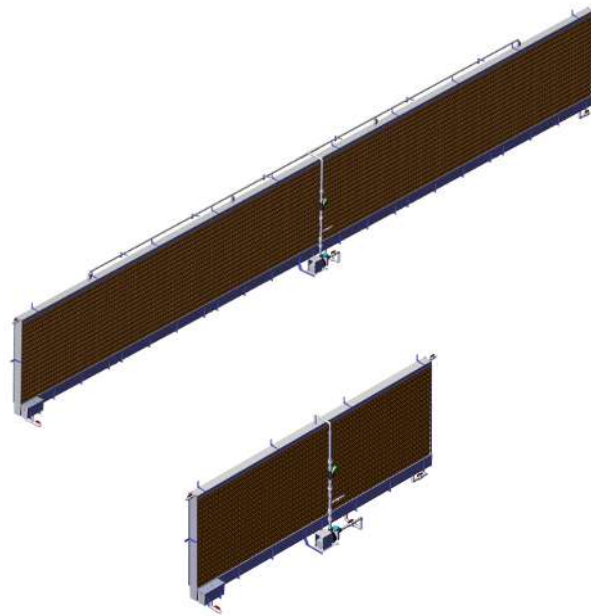


DA 150C Pad Cooling

Technical Info



1 Product description

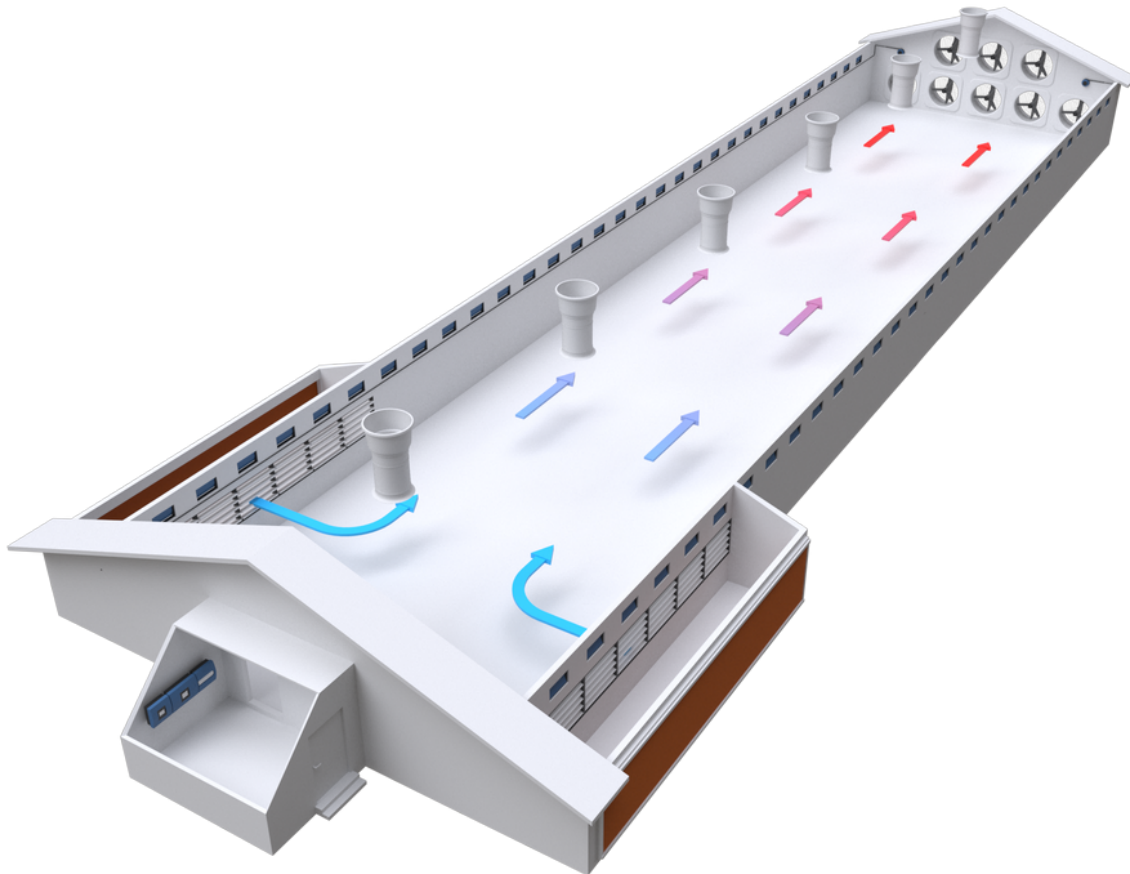
DA 150C pad cooling is used in connection with SKOV Tunnel and Combi-Tunnelsystems.

The cooling takes place when fresh air passes through cooling pads kept moist by recirculating water into the system. The air passing through the pads is cooled and moistened.

DA 150C pad cooling is a pad cooling system for mounting on the inside or outside of the wall.

SKOV A/S provides a complete pad cooling system for cooling pads.

DA 150C pad cooling is available in lengths of 6 m, 12 m, 15 m, 18 m, 21 m and 24 m.



2 Product survey



437071F DA 150C pad cooling 6m ex. pump

Pad cooling 6 m is a complete pad cooling system of 6 m.

Includes:
Supply unit
Top frame
Pipe, pipe support and pipe coupling
Bracket
Water gutter

Ordered separately:
1 x 0.75 kW pump variant
10 x pad variant
Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.



437073F DA 150C pad cooling 12m ex. pump

Pad cooling 12 m is a complete pad cooling system of 12 m.

Includes:
Supply unit
Top frame
Pipe, pipe support and pipe coupling
Bracket
Water gutter

Ordered separately:
1 x 1.5 kW pump variant
20 x pad variant
Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.



437074F DA 150C pad cooling 15m ex. pump

Pad cooling 15 m is a complete pad cooling system of 15 m.

Includes:
Supply unit
Top frame
Pipe, pipe support and pipe coupling
Bracket
Water gutter

Ordered separately:
1 x 1.5 kW pump variant
25 x pad variant
Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.

**437075F DA 150C pad cooling 18m ex. pump**

Pad cooling 18 m is a complete pad cooling system of 18 m.

Includes:
 Supply unit
 Top frame
 Pipe, pipe support and pipe coupling
 Bracket
 Water gutter

Ordered separately:
 1 x 1.5 kW pump variant
 30 x pad variant
 Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.

**437076F DA 150C pad cooling 21m ex. pump**

Pad cooling 21 m is a complete pad cooling system of 21 m.

Includes:
 Supply unit
 Top frame
 Pipe, pipe support and pipe coupling
 Bracket
 Water gutter

Ordered separately:
 1 x 1.5 kW pump variant
 35 x pad variant
 Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.

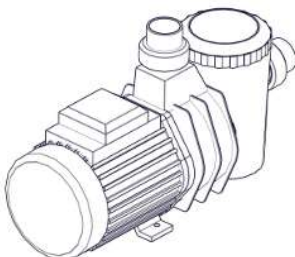
**437077F DA 150C pad cooling 24m ex. pump**

Pad cooling 24 m is a complete pad cooling system of 24 m.

Includes:
 Supply unit
 Top frame
 Pipe, pipe support and pipe coupling
 Bracket
 Water gutter

Ordered separately:
 1 x 1.5 kW pump variant
 40 x pad variant
 Lime variant

F item numbers are produced in Asia, which can be a logistic advantage.

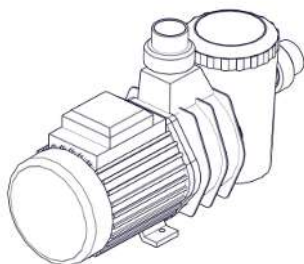


437083F DA 150C pump 0,75 kW 230V1 50Hz
437084F DA 150C pump 0,75 kW 230V1 60Hz
437086F DA 150C pump 0,75 kW 230V3/400V3 50Hz
437087F DA 150C pump 0,75 kW 230V3/400V3 60Hz

Pump variants that can be used for DA 150C pad cooling system.

1 per pad cooling system.

F item numbers are produced in Asia, which can be a logistic advantage.



- 437078F 150C pump 1,5 kW 230V1 50Hz**
- 437079F 150C pump 1,5 kW 230V1 60Hz**
- 437080F 150C pump 1,5 kW 230V3/400V3 50Hz**
- 437081F 150C pump 1,5 kW 230V3/400V3 60Hz**

Pump variants that can be used for DA 150C pad cooling system.

1 per pad cooling system.

F item numbers are produced in Asia, which can be a logistic advantage.



- 437269 Pad 150x600x1500 45/15 S**
- 437270 Pad 150x600x1800 45/15 S**
- 437271 Pad 150x600x2000 45/15 S**
- 437269F Pad 150x600x1500 45/15 S**

SKOV's standard pad.

F item numbers are produced in Asia which can be a logistic advantage.



- 437256F Pad 150x600x1200 45/15 H**
- 437251F Pad 150x600x1800 45/15 H**
- 437250F Pad 150x600x2000 45/15 H**

These pads are an alternative to SKOV's standard pads and are offered to customers specifically requesting Hutek pads.

F item numbers are produced in Asia which can be a logistic advantage.



- 437290 Pad 150x600x1500 45/15 G**
- 437291 Pad 150x600x1800 45/15 G**
- 437292 Pad 150x600x2000 45/15 G**

These pads are an alternative to SKOV's standard pads and are offered to customers specifically requesting Gigola pads.



- 437287 Pad 150x600x1500 45/15 black coated S**
- 437288 Pad 150x600x1800 45/15 black coated S**
- 437289 Pad 150x600x2000 45/15 black coated S**
- 437288F Pad 150x600x1800 45/15 black coated S**
- 437289F Pad 150x600x2000 45/15 black coated S**

Black coated pads have a more robust surface and are thus easier to clean.

F item numbers are produced in Asia which can be a logistic advantage.



- 437284 Pad 150x600x1500 45/15 black coated**
- 437285 Pad 150x600x1800 45/15 black coated**
- 437286 Pad 150x600x2000 45/15 black coated**

Black coated pads have a more robust surface and are thus easier to clean.

- 437279 Pad 150x600x2000 45/45 S**

These pads are an alternative to SKOV's standard pads and are offered to customers specially requesting a pad with a cross angle of 45/45, as the pressure loss for this pad type is 2-3 timer higher.



437262 Pad 150x600x1500 with light reduction
437261 Pad 150x600x1800 with light reduction

These pads are a light-reducing alternative to SKOV's standard pads. They refract the light twice and have a light reduction factor of 1,000,000. The pressure loss is 2-3 times higher compared to 45/15 pads.



437274 Pad PP150-3 150x600x1500
437275 Pad PP150-3 150x600x1800
437276 Pad PP150-3 150x600x2000

The plastic pad is very robust, UV resistant and easy to clean.



437082F DA 150C glue kit - max. 24m - NonEU

Contains sealant gun, joint sealer, glue, and brushes for bonding the gutter system up to 24 meters.

DA 150C glue kit is not approved for used in the EU.



437584 DA 150B glue kit - max. 12 m

Contains cleaning fluid, glue, and brushes for bonding the gutter system up to 12 meters.

3 Technical data

Total water supply to the system is 0.052 m³/h per m² pad.

For example, 1.25 m³/h for a pad cooling system of 24 m x 1.0 m (air speed 1.5 m/s).

Total water supply to the system is 0.073 m³/h per m² pad.

For example, 1.75 m³/h for a pad cooling system of 24 m x 1.0 m (air speed 2.0 m/s).

3.1 DA 150C 0.75 kW pumps

		437083F 1x230 V 50 Hz	437084F 1x230 V 60 Hz	437086F 3x230/400 V 50 Hz	437087F 3x230/400 V 60 Hz
Electrical					
Rated voltage	V AC	1x230 ± 10%	1x230 ± 10%	3x230/400 ± 10 %	3x230/400 ± 10 %
Operating voltage	V AC	220 - 240	220 - 240	220-240/380-420	220-240/380-420
Frequency	Hz	50	60	50	60
Water Supply	m ³ /h	18.6			
Max. Power (P1) input	W	750			
Max. power (P2) shaft	W	500			
Max. current consumption	A	3.8		2.4/1.4	
Capacitor	µF	15		Without capacitor	
Environment					
Max. ambient temperature	°C	40			
Max. water temperature	°C	50			
pH-range		6 - 9			
Protection class	IP	55			
Class of insulation		F			
Weight	g	11400		11000	

3.2 DA 150C 1.5 kW pumps

		437078F 1x230 V 50 Hz	437079F 1x230 V 60 Hz	437080F 3x230/400 V 50 Hz	437081F 3x230/400 V 60 Hz
Electrical					
Rated voltage	V AC	1x230 ± 10%	1x230 ± 10%	3x230/400 ± 10 %	3x230/400 ± 10 %
Operating voltage	V AC	220 - 240	220 - 240	220-240/380-420	220-240/380-420
Frequency	Hz	50	60	50	60
Water Supply	m ³ /h	29			
Max. Power (P1) input	W	1500			
Max. power (P2) shaft	W	1100			
Max. current consumption	A	7		4.3/2.5	
Capacitor	µF	30		Without capacitor	
Environment					
Max. ambient temperature	°C	40			
Max. water temperature	°C	50			
pH-range		6 - 9			
Protection class	IP	55			
Class of insulation		F			
Weight	g	13500		13000	

3.3 Load on wall/bracket

The wall must withstand up to 250 kg for every 3-meter pad cooling module.

		Load per bracket when the brackets are mounted at a distance of 0.75 m
Weight per top frame bracket	kg	20
Weight per water gutter bracket	kg	60

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