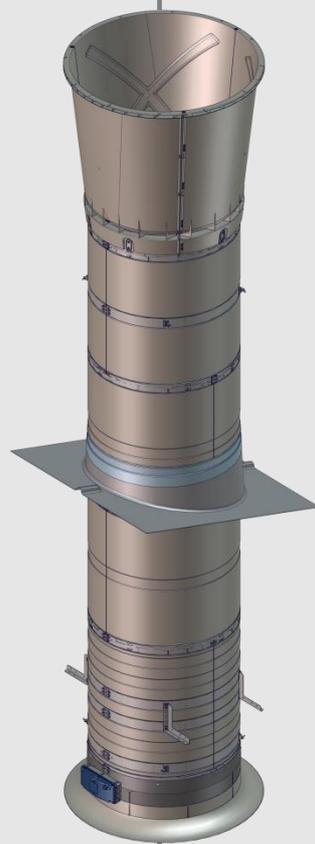


DA 920 Chimney

Technical Info



1 *Product description*

The DA 920 was developed and designed to ensure optimum output at low power consumption and the fans and outlets have been optimised as a unit.

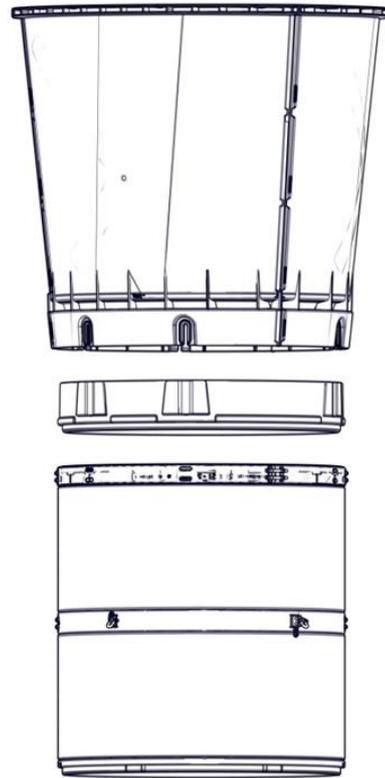
Large outlets are exposed to severe weather impacts and that is a great challenge. The DA 920 outlet should be mounted via a roofing sheet, ensuring stable, safe and tight installation. Alternatively, outlet flashing can be carried out using flex flashing or neoprene cloth.

A cone-mounting fitting has been developed to further improve the ability of the exhaust unit cone to resist strong wind impacts.

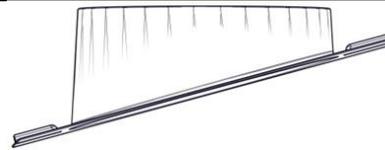
Insulated ducts are used for DA 920 to minimise the risk of condensation in the house.

2 Product survey

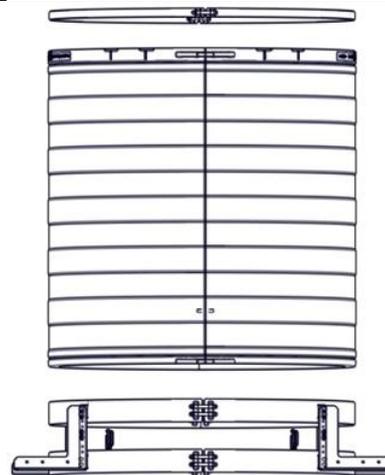
1-19 Above Roof



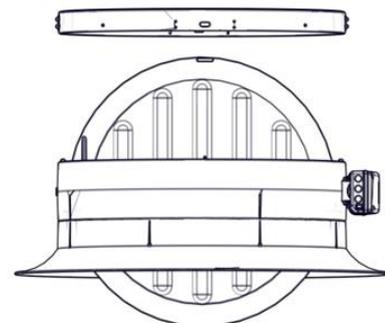
20-29 Lead-through



30-39 Attic/Section

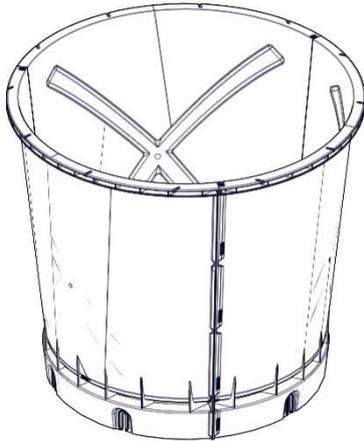


40-49 Inlet



DA 920 Above Roof

1

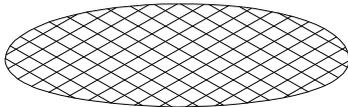


- 434146 DA 920 outlet cone, grey, S-bracket A2
 434147 DA 920 outlet cone, grey-brown, S-bracket A2
 434148 DA 920 outlet cone, black, S-bracket A2

The outlet cone reduces the problems with water penetration and pressure drop and increasing the output of the exhaust unit.

The outlet cone is delivered fully assembled.

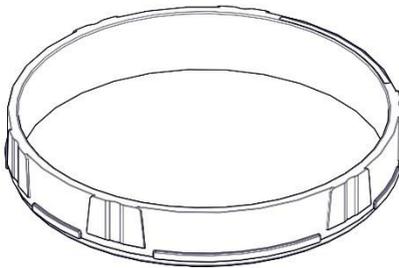
2



- 433077 DA 920 net, duct

Protective mesh used in connection with wall exhaust units where extra securing is required on the pressure side of the fan.

3

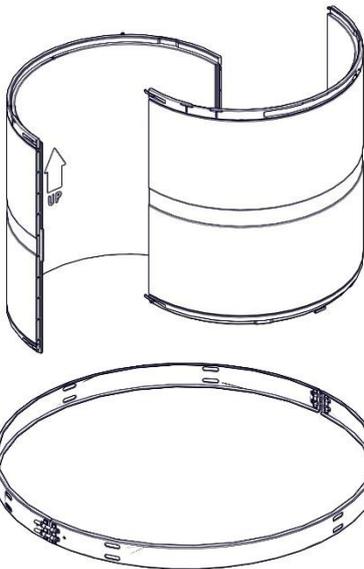


- 434155 DA 920 duct end, black

Is always to be used for transitions to outlet cones or duct endings.

1 per each DA 920 exhaust unit.

4

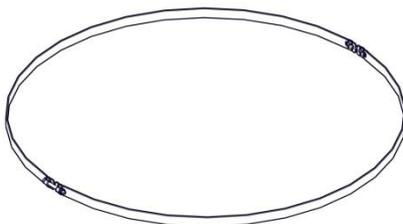


- 434157 DA 920 duct 1000 mm, grey
 434160 DA 920 duct 1000 mm, black
 434158 DA 920 duct 1500 mm, grey
 434161 DA 920 duct 1500 mm, black

The DA 920 ducts are available in two different lengths, 1000 and 1500 mm.

The duct is delivered with DA 920 duct connector and a mounting set for connecting the ducts.

5



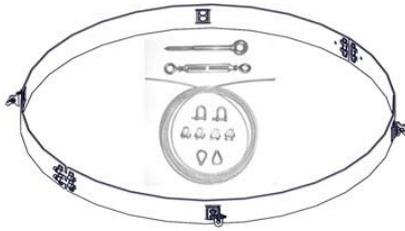
- 434162 DA 920 support band, A2

One support band should be used per DA 920 duct.

On ducts with storm protection kits (434163, 434164) or anchoring (434153, 434154), this can, however, be omitted.

DA 920 Above Roof

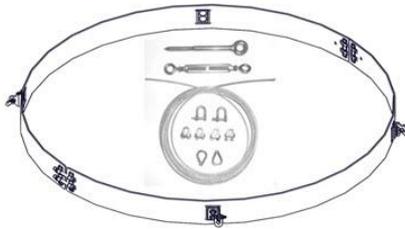
6



434163 DA 920 storm protection kit, short

Storm protection kit, short, used if the duct height over the roofing sheet is 2.5-5 m.

7



434164 DA 920 storm protection kit, long

Storm protection kit, long, used if the duct height over the roofing sheet is 5-8 m.

DA 920 Lead-through

20



530155 Joint sealer, Sikaflex 221, grey 300 ml

530156 Joint sealer, Sikaflex 221, black 300 ml

Used for sealing ducts.

1 for 20 DA 920 exhaust units.

21



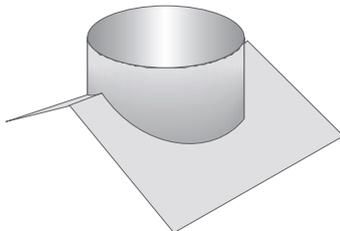
434118 DA 920 flashing band, grey

434119 DA 920 flashing band, black

The DA 920 flashing band (3250 mm x 156 mm) are always used as a transition between the DA 920 ducts and the DA 920 roofing sheets.

1 per each DA 920 roofing sheet.

22



434107 DA 920 roofing sheet, ridge, grey

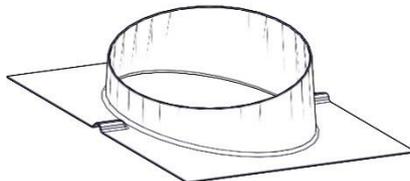
434127 DA 920 roofing sheet, ridge, black

The roof sheet is designed for mounting on the ridge and is available in different versions in terms of roof sheet types and pitches.

It is always to be used if the DA 920 is to be mounted on the ridge.

Remember to always order flashing bands (434118, 434119).

23



434106 DA 920 roofing sheet, side, grey

434116 DA 920 roofing sheet, side, black

The roof sheet is designed for side mounting and is available in different versions in terms of roof sheet types and pitches.

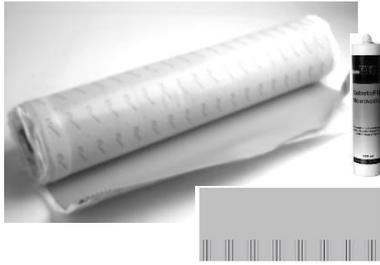
This solution is recommended when side mounting on roofs that do not use steel sheet, for example on asbestos roofs.

Remember to always order flashing bands (434118, 434119).

If using DA 920 roofing sheet with smooth sides there is also a need for using flex flashing for smooth side roofing sheets (433099, 433093).

DA 920 Lead-through

24



433099 Flex flashing for smooth side roofing sheet, black

433093 Flex flashing for smooth side roofing sheet, grey

The flex flashing (1925 mm x 470 mm) is always used for transition between the roofing sheet of the building and DA 920 smooth side roofing sheets.

Contains flex flashing, supports and construction adhesive.

1 per each DA 920 smooth side roofing sheet.

25



433094 Flex flashing for steel roofing sheets, grey

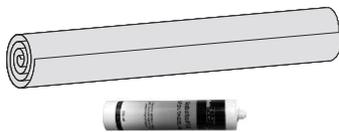
433096 Flex flashing for steel roofing sheets, black

The flex flashing is always used for steel roofing sheets at the transition between the building's steel roof and side mounted DA 920 exhaust units.

Contains flex flashing, supports and construction adhesive.

1 per each DA 920 exhaust unit.

26



433493 DA 60 neoprene cloth 1.9m x 1.7m

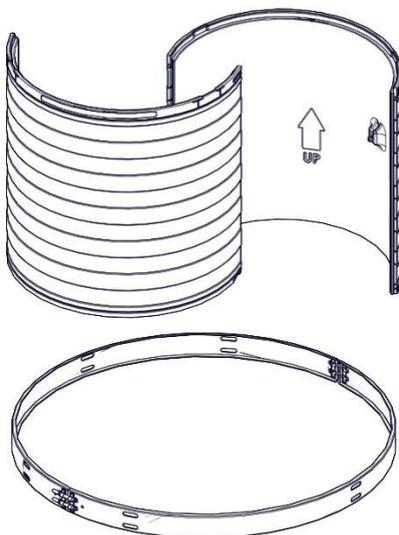
An inexpensive alternative to the DA 920 roofing sheet side or flex flashing. Neoprene cloths can be used at the transition between the building's roofing sheets and side mounted DA 920 exhaust units.

Comes complete with cloth, joint sealer and screws.

1 per each DA 920 exhaust unit.

DA 920 Attic/Section

30



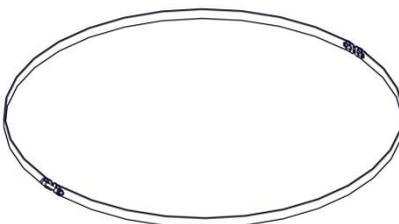
434156 DA 920 duct for fan unit, 1000 mm, grey

434159 DA 920 duct for fan unit, 1000 mm, black

DA 920 ducts with shoe for suspension of fan unit.

The duct is delivered with DA 920 duct connector and a mounting set for connecting the ducts.

31



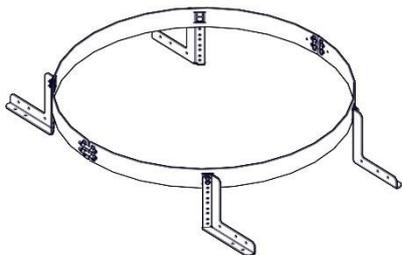
434162 DA 920 support band, A2

One support band should be used per DA 920 duct.

On ducts with storm protection kits (434163, 434164) or anchoring (434153, 434154), this can, however, be omitted.

DA 920 Attic/Section

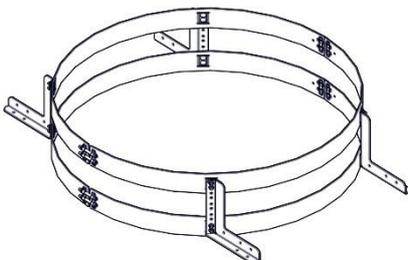
32



434142 DA 920 duct anchoring, A2

Used for lead-through in ceilings, that is, where the ceiling does not go all the way up to the ridge and where the duct height over the roofing sheet is from 0 to 2.5 m.

33



434142 DA 920 double duct anchoring, A2

Used for lead-through in ceilings, that is, where the ceiling does not go all the way up to the ridge and where the duct height over the roofing sheet is from 2.5 to 8 m.

Is also used for wall exhaust units.

34

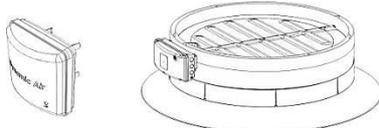


434165 DA 920 fittings for wire suspension

In livestock houses with no attic, i.e. where the ceiling ends in the ridge (ceiling = roof), this kit should be used for suspension of duct/fan in the roof construction.

DA 920 Inlet

40



434115 DA 920 bell mouth/chimney stepless DynAir grey

Complete inlet unit with Dynamic Air sensor (0-300 Pa), bell mouth, swivel shutter, and a DA 74CV stepless winch motor.

Used for stepless DA 920 exhaust units with Dynamic Air. The Dynamic Air sensor is supplied as a kit for mounting on DA 920 from SKOV A/S.

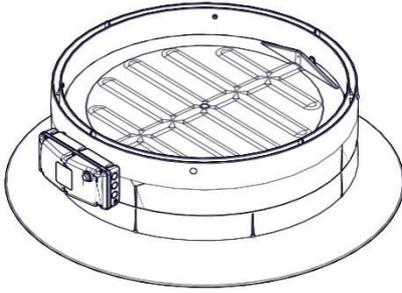
Requires a DOL 234 version 6.1/DOL 234F 7.1 or later.

Please note if a contactor kit is required, cf. item number 280060.

Remember to always order the DA 920 connector for shutter unit (434149).

DA 920 Inlet

41

**434104 DA 920 bell mouth stepless, grey****434105 DA 920 bell mouth on/off, grey**

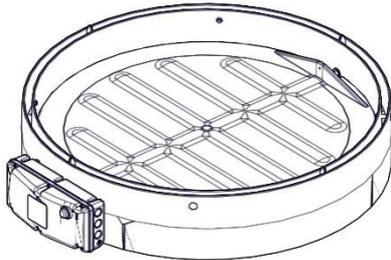
Complete bell mouth unit; swivel shutter module with bell mouth and stepless or on/off winch motor.

Please note if a contactor kit is required, cf. item number 280060.

Remember to always order the DA 920 connector for shutter unit (434149).

If the inlets and swivel shutter are separated 3 DA 920 connector for shutter unit should be ordered for the swivel shutter module (434149).

42

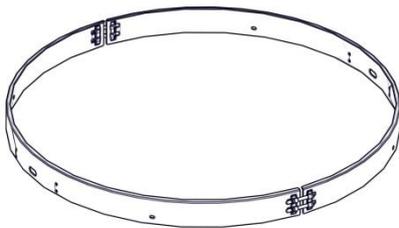
**433083 DA 920 swivel shutter module on/off****433084 DA 920 swivel shutter module, stepless**

Complete swivel shutter module excl. bell mouth and with stepless or on/off winch motor.

Please note if a contactor kit is required, cf. item number 280060.

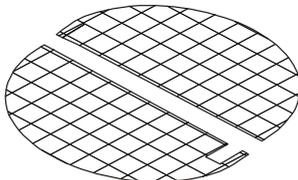
Remember to always order 2 DA 920 connector for shutter unit (434149).

43

**434149 DA 920 connector for shutter unit**

Is used at the transition between ducting, swivel shutter module and inlet.

44

**433076 DA 920 net, swivel shutter**

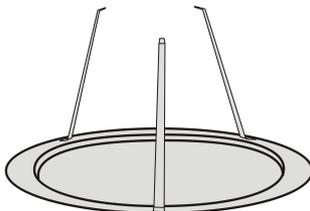
Protective mesh that should be placed on the suction side of the fan and is used where the position of the fan is low, e.g. less than 2.70m above floor.

45

**280060 Contactor 3-pol 400V, 230V 50/60 Hz**

The contactor kit is necessary when a 3-phase (400V) fan unit is used together with DA 74CO/DA 74CV and the fan unit is not continuously variable. I.e. when the fan unit uses an on/off function there is a need to buy 1 contactor kit for each DA 74CO/DA 74CV.

46

**433086 DA 920 drip plate Ø1700, grey****433092 DA 920 drip plate Ø1700, grey-brown**

Drip plate for suspension under exhaust unit in order to avoid possible water penetration and successive dripping into the livestock house.

47

**434018 Dynamic Air - kit for bell mouth/chimney**

Dynamic Air sensor (0-300 Pa) for measuring and monitoring the air output of stepless air outlets. This article number is to be used only for retrofitting on existing DA 920 chimneys.

To be used together with DOL 234 software, version 6.1/DOL 234F 7.1 or more recent.

DA 920 Inlet

47

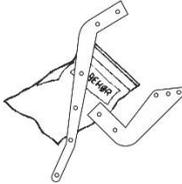


434035 Dynamic Air - kit for bell mouth/duct

Dynamic Air sensor (0-100 Pa) for measuring and monitoring the air output of stepless take off units. This article number is to be used only for retrofitting on existing DA 920 take off units.

To be used together with DOL 234F software version 7.2 or more recent.

48



434088 Arm f. swivel shutter in bell mouth

Includes a short and a long arm for the swivel shutter, suspension plate and various mounting screws.

3 Technical Data

DA 920 ducts	
Mechanical	
Material	PUR / PP / PS
Band	Stainless steel
Colour	RAL 7035 / RAL 9005
Structure height over roof [m]	Max. 8
Duct outside diameter [mm]	985
Environment	
Ambient temperature, operation	-40 to +40°C (-40 to +104°F)
Ambient temperature, storage	-40 to +65°C (-40 to +149°F) – and protected against direct sunlight.
Relative humidity, operation	0-95 % RH

3.1 Dimensioned Sketch

3.1.1 Outlet Cone

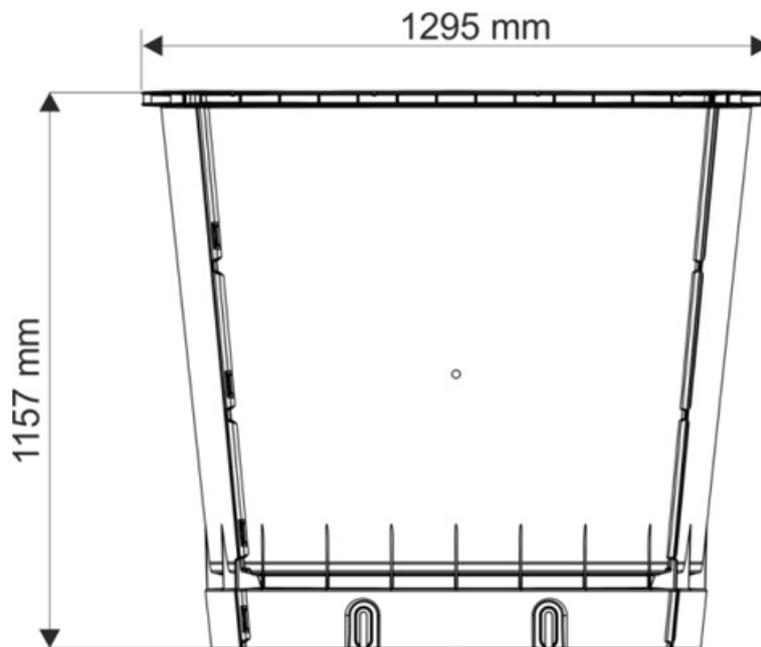


Figure 1: Outlet Cone

3.1.2 Ducts

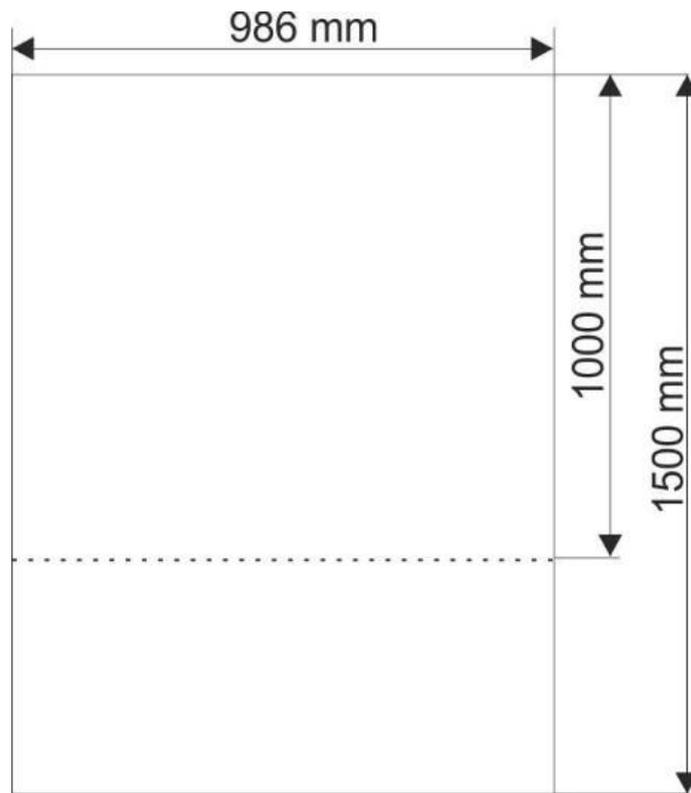


Figure 2: Ducts

3.1.3 Inlet

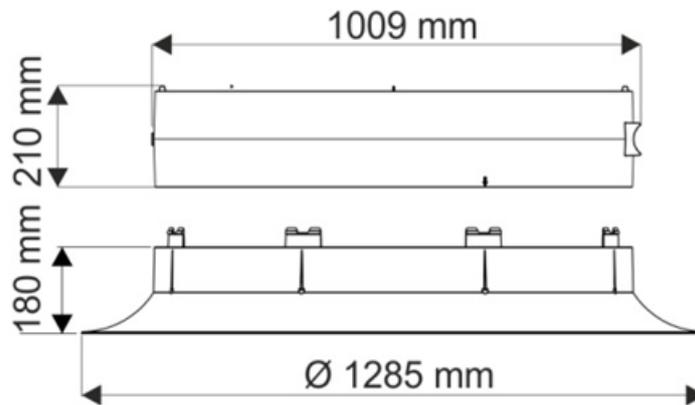


Figure 3: Inlet

