

350S chip extraction fan & Zyklon 350

For a clean work station

There' are always going to be splinters ...
To keep dust levels in the workplace as low as possible
and as comfort increases, the chip extraction fan ensures
The cyclone ensures clean air every time.





chip extraction unit & Cyclone

THE DREAM TEAM

With these chip extraction units, you can create a low-dust working environment, where you can collect the chips in a controlled, centralised manner and apply them.

Reduced dust not only improves air quality, but also protects machinery and tools from deposits.

These innovations date back to the early 1980s.

Nice to know!

FROM THE PRACTICAL TEST

Since 2008, firewood Dressel has stood for quality with deep roots. A passion for and wood runs in the family's veins: Originally from the Fichtelgebirge mountains, they bring their many years of experience as foresters and forestry managers to bear in their work. The new centrepiece of the production line is a SpaltFix K-700. Combined with a high-performance chip extraction unit and a cyclone, the plant not only guarantees premium-quality firewood but also ensures a clean working environment.



To operate the POSCH K-700 stationary machine as a genuine professional system, a chip extraction unit complete with a cyclone is, of course, essential – it has now become simply indispensable. The extraction system rounds off the whole package; cutting corners here would be a mistake. Otherwise, you'd have to perform cleaning of the chip channel by hand after five cuts at the latest! Another big advantage is that the extraction unit is now positioned with an elevation, which means it runs even more smoothly.

DOMINIC DRESSEL FROM WEIDHAUSEN

350S chip extraction fan & Zyklon 350

The blower transports, the cyclone separates – ensuring controlled removal of chips and a dust-free workplace. An extraction fan on its own moves air and chips. When used in conjunction with the cyclone, this ensures the efficient separation of material and air. The chips fall in a controlled manner into, for example, a container provided for this purpose, thereby minimising dust levels in the surrounding area. A must-have for any professional business, that values a clean workplace and efficient logistics.

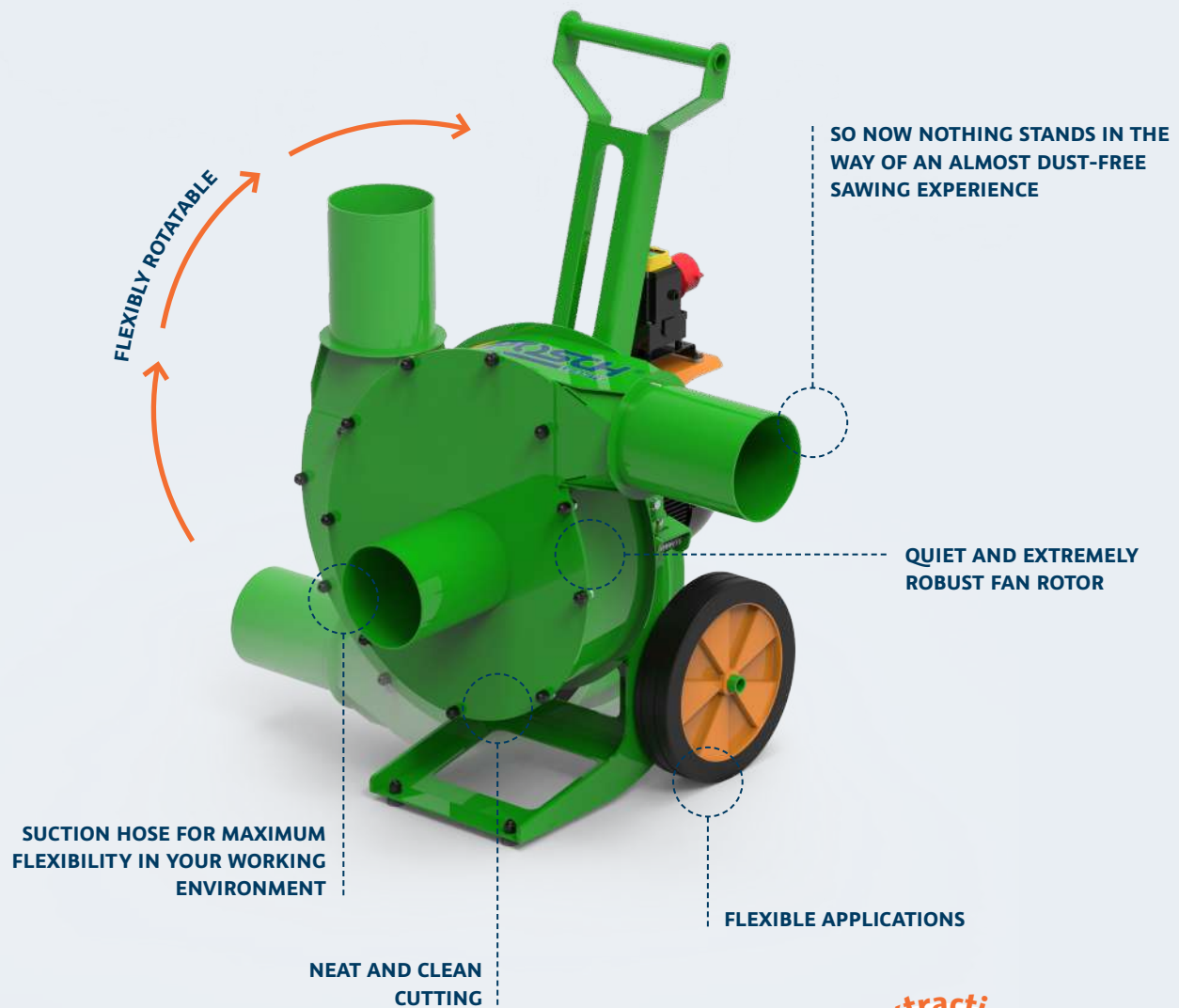


Basic	Expansion
350S chip extraction fan Can be used on its own or as a basis for the application of a cyclone. An extraction fan moves air and chips, or provides the necessary flow for transport. Our chip extraction fan is the efficient solution for a clean working environment. The air flows unimpeded, along with the chips, out into the open or into the container. With powerful suction and a robust fan impeller, it removes sawdust directly as it is produced. The result: Less cleaning work, improved health and safety, and smoother production.	Zyklon 350 The perfect complement to the extraction system. The mounting frame is available as an optional extra. This is where our paths diverge: The air escapes upwards, whilst the chips – no longer carried by the air current – fall calmly and steadily downwards. Whilst a blower simply blows the chips away, the cyclone makes use of centrifugal force. The heavy chips and fine dust are slowed down in the cyclone and fall down in a controlled manner (e.g. into a sack or container). The purified air escapes upwards. Without a cyclone, the chips would escape uncontrollably at the end of the hose.
350S Perfect for firewood processors with a Log diameter of max. 41 cm.	Zyklon 350 The perfect addition for the 350S chip extraction unit

350S chip extraction fan

Here you see the following configuration example:

Item no: M7386 350S chip extraction fan



AIR VOLUME
max. 1,500 m³/h



WEIGHT
approx. 100 kg

Highlights



NEAT AND CLEAN CUTTING

Look after yourself and your health, and avoid dust in your work-space. The chip extraction unit is the ideal addition to your saws and automatic saws. It's as simple as this: The 2-meter-length suction hose, with a diameter of 150 mm, up to 1,500 m³/h of air, including chips, is extracted via your machine's extraction connection. These are then blown through the 10-metre-length pressure hose, which has a diameter of 150 mm, and collected, for example, in a chip container provided by you. Once the collection container is full, it can be easily emptied.

The collected chips can be used for further processing, for example as animal bedding or for composting. In addition to the chip extraction unit, there is the option of fitting a cyclone. This separates the chips from the blower air.



FLEXIBLY ROTATABLE

The extraction housing, which is made of robust all-steel, can be rotated through 270° in 10° increments tool-free. The benefits for you: You can choose the direction in which the chips are discharged with complete flexibility. This ensures flexible use without the pressure hose bending or becoming blocked.



MAXIMUM FLEXIBILITY IN YOUR WORKING ENVIRONMENT

The standard scope of delivery includes a 2-metre-length suction hose and a 10-metre-length pressure hose, each with a diameter of 150 mm. In addition, a reducer from 150 mm to 100 mm is supplied to enable connection to machines with a chip extraction connection of 100 mm in diameter.



QUIET AND ROBUST

The well-engineered design of the solid, all-steel fan rotor ensures durability and smooth cleaning operation. A clamping assembly on the bearing shaft ensures uniform fastening and smooth running on the bearing shaft.



FLEXIBLE APPLICATIONS

Thanks to the standard solid rubber wheels (diameter 300 mm) and the transport handle, the unit can be easily manoeuvred by hand on level ground.



SO NOW NOTHING STANDS IN THE WAY OF AN ALMOST DUST-FREE SAWING EXPERIENCE

The optional chip extraction connections for POSCH circular saws allow them to be easily connected to the chip extraction fan.

350S chip extraction fan Overview

Drive	Drive 1	Electric motor	Tractor hydraulics
	Type	E3-400	HP
	Application	for use with circular saws, automatic saws and firewood processors for logs with a diameter up to 49 cm	
	Can be combined with	Tilting saw, UniCut, tilting saw with conveyor belt, EasyCut, SmartCut, SpaltFix: S-376, S-415, S-500 VARIO PLUS	
	Air capacity m³/h	1500	1500
Basic model	Swivel range of the pressure connection	270° (in 10° increments)	270° (in 10° increments)
	Solid rubber wheels, diameter 300 mm	✓	✓
	Transport handle	✓	✓
	Cable length for start-stop switch	10 m of ' ' for operating the chip extraction unit on the machine	-
	Magnetic holder for start-stop switch	✓	-
	Impeller made of solid steel	✓	✓
	Suction hose diameter (mm)	150	150
	Suction hose length (m)	2	2
	Pressure hose diameter (mm)	150	150
	Pressure hose length (m)	10	10
	Air capacity up to m³/h	1500	1500
Technical data	Weight kg	101	99
	Electric motor power rating S1 kW	3	-
	Motor protection switch	✓	-
	Phase inverter	✓	-
	Mains power requirements	3x 400 V, 50 Hz, CEE 16 A	-
	Average power consumption kWh*	1.0 – 1.5	-
	Required flow rate at the hydraulic connections (l/min)	-	20 – 60
	Required pressure at the hydraulic connections: max. bar	-	150
	Reducing ring for chip extraction connection, reducing the diameter from 150 to 100 mm	✓	✓
	Reducing ring for chip extraction connection, reducing the diameter from 200 to 150 mm	✗	✗
	Length transport / working position mm	1000 / 670	1000 / 670
	Width transport / working position mm	900 / 560	900 / 570
	Height transport / working position mm	1100 / 1080	1100 / 1080
Transport	Solid rubber wheels, diameter 300 mm	✓	✓
	Transport handle	✓	✓
Accessory equipment	Zyklon 350	○	○
	Chip extraction connection for various machines	○	○

○ optional ✗ not available ✓ standard equipment

* Depending on the type of wood, processing diameter, log length, working speed, number of people, etc.



ELECTRIC DRIVE

Efficient, quiet and environmentally friendly:
The electric motor: a cost-effective solution!



TRACTOR HYDRAULICS

Do you also work outside your home and garden? This means you can choose your place of work flexibly.

Basic model 350S chip extraction fan

For use with all circular saws, automatic saws (e.g. POSCH-EasyCut, SmartCut, AutoCut) and firewood processors (e.g. POSCH-SpaltFix – up to and including the SpaltFix S-415)

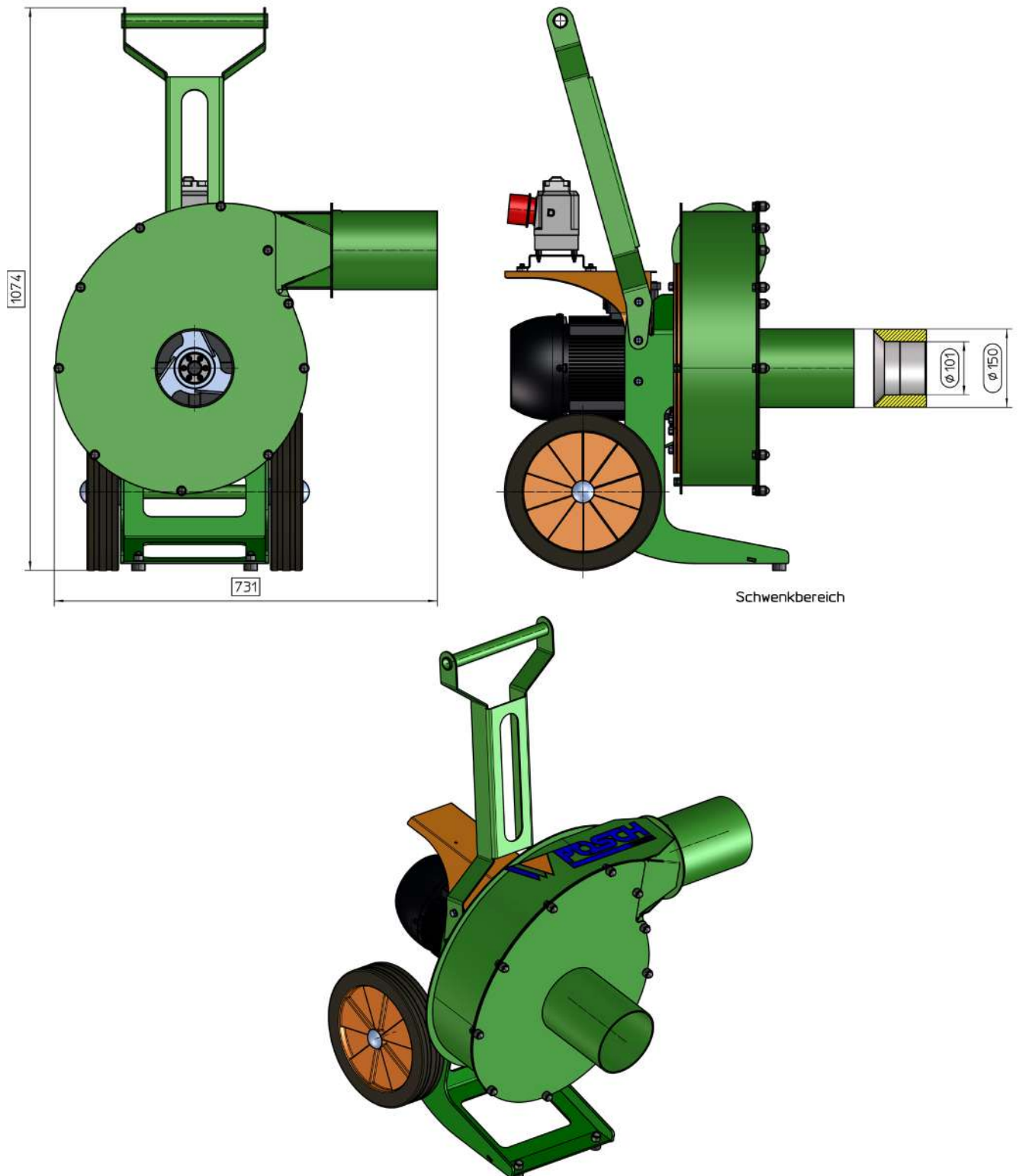
Article no.	Type	Name	Drive	Air capacity up to m³/h	Weight ~ kg
M7386	E3-400	350S chip extraction fan, E3-400, for extracting chips at an air capacity of up to 1,500 m³/h, driven by a 3- kW electric motor, S1, 3 x 400 V, 50 Hz, CEE 16 A, direct start, motor protection switch with phase inverter and 10- m cable with magnetic mounting and start-stop switch for operating the chip extraction unit on the saw, 270° swivelling pressure connection – adjustable in 10° increments, fan rotor made of solid steel, 2-metre suction hose (diameter 150 mm), including a reducer from 150 to 100 mm, 10-metre pressure hose (diameter 150 mm), transport handle and solid rubber wheels (diameter 300 mm). Please NOTE: The blower must not be used in enclosed spaces!		1500	101
M7387	HP	350S chip extraction fan, HP, for extracting chips at an air capacity of up to 1,500 m³/h; driven by the tractor's hydraulic system; requires a size 3 hydraulic coupling for forward and return operation . Includes flow divider, hydraulic freewheel and gear motor (2,800 rpm), hydraulic connection for 20–60 l/min, required pressure at the hydraulic connections: max. 150 bar. 270° swivelling pressure connection, adjustable in 10° increments; solid steel fan rotor; 2-metre suction hose (diameter 150 mm) including a reducer from 150 to 100 mm, 10-metre pressure hose (Diameter 150 mm), transport handle and solid rubber wheels with a diameter of 300 mm. Please NOTE: The blower must not be used in enclosed spaces!		1500	99

Accessory equipment 350S chip extraction fan

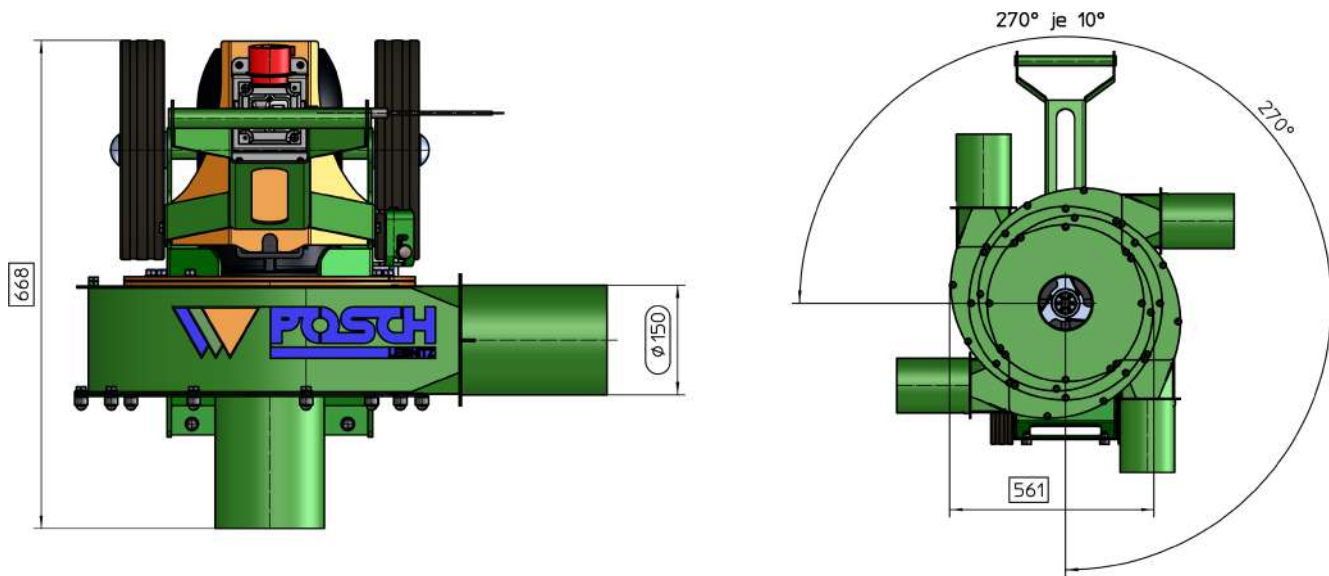
Select the appropriate chip extraction connection.

Article no.	Name	Type E3-400	Type HP	Weight ~ kg
F0002791	Chip extraction connection, diameter 100 mm, suitable for table-mounted tilting saws without a three-point suspension system, "G" and "H" model series	☐	☐	3
F0004604	Chip extraction connection, diameter 100 mm, , suitable for a tilting saw with a conveyor belt and a three-point linkage	☐	☐	2
F0003773	Chip extraction connection, diameter 100 mm, , suitable for tilting saws without a three-point suspension, "H" and "HS" model series	☐	☐	3
F0002195	Chip extraction connection, diameter 150 mm, , suitable for the tilting saw plus	☐	☐	5
F0004088	Chip extraction connection, diameter 100 mm, , suitable for the roller table saw and UniCut with three-point suspension	☐	☐	10
F0002860	Chip extraction connection, diameter 100 mm, , suitable for the roller table saw and UniCut without a three-point suspension system	☐	☐	11
F0004426	Chip extraction connection, diameter 150 mm, , suitable for WippCut	☐	☐	3
F0004069	Reducer for chip extraction connection, diameter 150 mm to 100 mm, , suitable for SpaltFix S-375 (standard on SpaltFix S-376)	☐	☐	7

☐ optional ☒ not available ☒ standard equipment

Dimension sheet: Configuration example**M7386** 350S chip extraction fan – compatible with the Zyklon 350

Not to scale!



Not to scale!

Zyklon 350

Here you see the following configuration example:

Item no: F0004658	Zyklon 350
G35	Support frame (optional)
R	type roller bearings (optional)
F0004787	Mounting bracket for BigBags (optional)



AIR VOLUME
max. 1,500 m³/h



WEIGHT
85 kg and over

Highlights



BIGBAG HOLDER

The application of big bags offers numerous advantages over traditional collection containers: When empty, they take up hardly any storage space, reduce transport costs, save resources and, thanks to the recycling system, can be flexibly reused or exchanged. This option includes four suspension hooks for securely hanging a big bag from the cyclone's mounting frame. To allow flexible adjustment to different big bag sizes, these can be adjusted in height from 100 to 160 cm tool-free. Lifting and suspension loops are required on the BigBag.



RELIEF CHAMBER

The relief chamber with a curtain helps to reduce turbulence in the collection tank. It ensures that the chips are discharged from the cyclone in a smooth and even manner. This ensures effective separation and guarantees a clean, controlled flow of material.



ROLLER BEARINGS

Thanks to its two fixed castors and two swivel castors, the cyclone with mounting frame can be moved manually with ease on a level surface. The rollers are equipped with brakes, offering high stability and ease of use.



AIR OUTLET INCLUDING MOUNTING POINTS

The cyclone can be easily suspended from the air outlet's mounting points on a load-bearing structure. A cover protects the system from the elements and ensures a controlled airflow thanks to its surrounding slats. It also forms the top of the ventilation housing or air duct.



CYCLONE MOUNTING FRAME

The height-adjustable steel frame ensures that the cyclone is securely held in place and remains stable on a level surface when set up in a stationary position. It consists of a base frame with a solid column and a mounting frame for the cyclone, which can be fixed at the appropriate height depending on the collection container. Thanks to its built-in lifting points, it can be transported by forklift; it can also be fitted with roller bearings for manual movement as optional equipment. The cleverly designed hose routing prevents kinks in the pressure hose, whilst a cover reliably protects the collection tank from the elements.

Zyklon 350 Overview

The cyclone can only be applied in conjunction with a chip extraction fan.

Type	350	
	Can be combined with	350S chip extraction fan
Basic model	Ceiling mounting	✓
	Relief chamber	✓
	Hose connection diameter (mm)	120 & 150
Technical data	Weight kg	85
	Suitable for air flow rates max. m³/h	1000–1500
	Length in working position	2050
	Wide working position	600
	Working position	600
Special equipment	Height-adjustable mounting frame	○
	Roller bearings	○
Accessory equipment	BigBag holder	○

○ optional ✕ not available ✓ standard equipment

Basic model Zyklon 350

Choose the right cyclone based on the air flow rates.

Article no.	Type	Name	Weight ~ kg	
F0004658	350	Zyklon 350, for air flow rates of 1000 – 1500 m³/h, 350S chip extraction fan required Hose connection diameters 120 mm and 150 mm, Top cover for the air outlet with integrated weather protection and mounting bracket for ceiling installation, as well as a relief chamber with an integrated plastic protective curtain. Mounting frame not part of the scope of supply! Please note: The Zyklon must not be used in enclosed spaces!	85	

Special equipment Zyklon 350

Available only as original equipment, including fitting

Article no.	Name	Type 350	Weight ~ kg	
G35 (SO1344)	Support frame for secure mounting and height adjustment, suitable for the Zyklon 350. Consisting of a base frame with forklift attachments, a column with a height-adjustable cyclone holder, a container cover and a hose guide.	○	290	
R (SO1345)	Roller bearings for the mounting frame , for manual movement on a level surface. Consisting of 2 fixed castors, 2 swivel castors with brakes, 200 x 50 mm (diameter x width). G35 or G40 mounting frame required!	○ for Option G35	20	
○ optional ✗ not available ✓ standard equipment				

Accessory equipment Zyklon 350

Handy accessory equipment

Article no.	Name	Type 350	Weight ~ kg	
F0004787	Clamp for hooking up BigBags using loops , Height-adjustable from 1000 mm to 1600 mm. Consisting of 4 posts, including hanging hooks and latches. A G35 or G40 mounting frame is required. Please note: The BigBag must rest on the floor! Sling and lifting loops are required on the BigBag!	○ for option G35 or F0004660	47	
○ optional ✗ not available ✓ standard equipment				

Retrofitting Zyklon 350

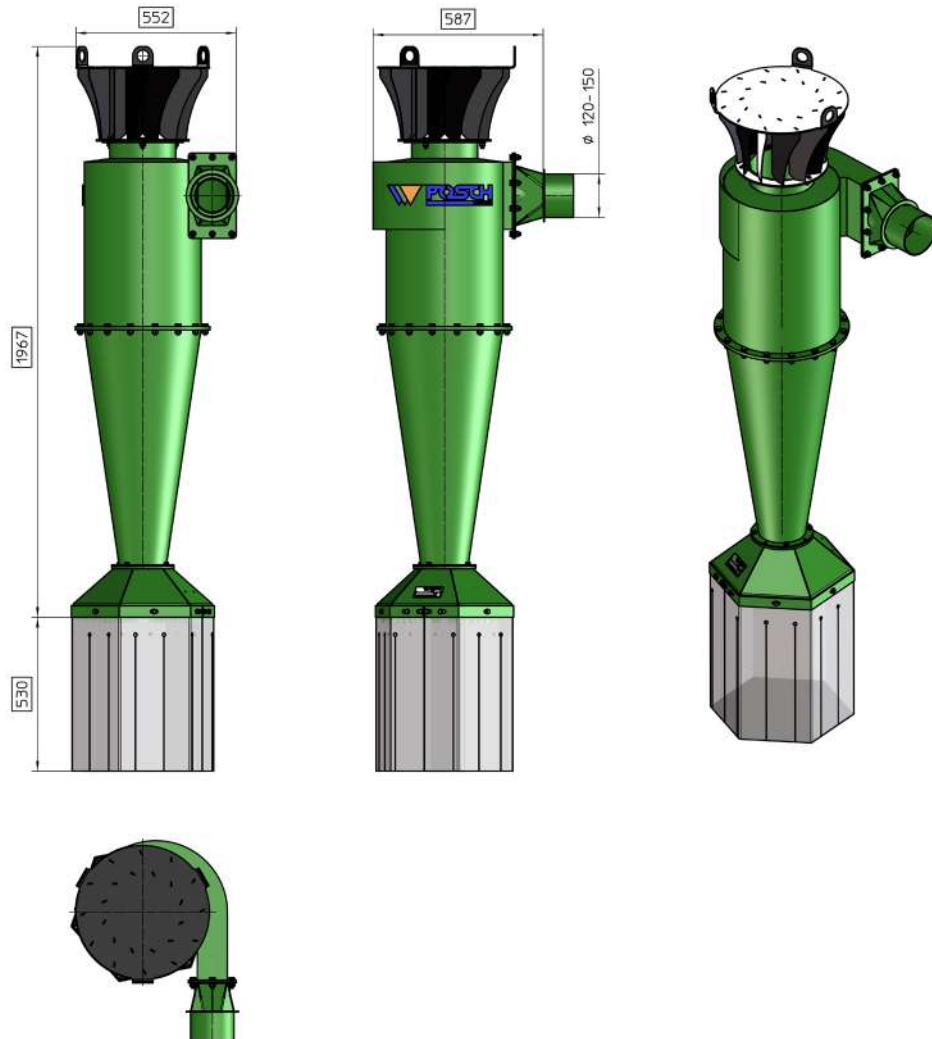
Article no.	Name	Type 350	Weight ~ kg	
F0004660	Retrofitting of support frames for secure mounting and height adjustment, , suitable for the Zyklon 350 . Consisting of a base frame with forklift attachments, a column with a height-adjustable cyclone holder, a container cover and a hose guide. Estimated installation time: 2 hours	○	330	
F0004661	Retrofitting of roller bearings for the mounting frame to enable manual movement of the on a level surface. Consisting of 2 fixed castors and 2 swivel castors with brakes, 200 x 50 mm (diameter x width). Mounting frame G35, G40, F0004660 or F0004660L required! Estimated installation time: 1 hour	○ for option G35 or F0004660	7	
○ optional ✗ not available ✓ standard equipment				

Dimension sheet: Configuration example

F0004658 Cyclone 350, for air flow rates of 1000 – 1500 m³/h

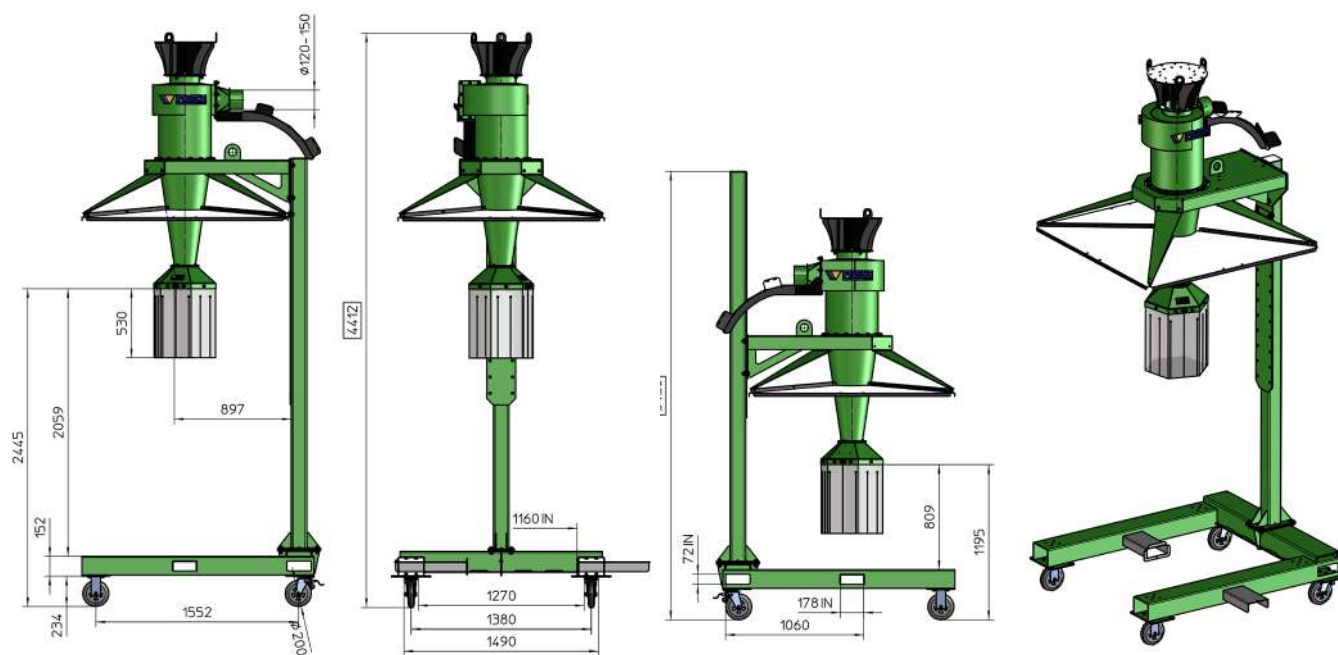
G35 Support frame for secure mounting and height adjustment, suitable for the Zyklon 350.

R Roller bearings for the mounting frame

Ceiling mounting

Not to scale!

Support frame



Not to scale!