



Item List

July 2022

Firewood processors

SpaltFix K-650 Vario mobil*

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SpaltFix K-650 Vario mobile

High quality firewood with adjustable billet edge length.



① Saw unit & Splitting unit

SpaltFix K-650 Vario mobil*

„PowerCut K-650“ saw unit

- **Log diameter** 10–65 cm
- **Billet length** 20/25/30/33/40/45/50 cm
- **Hydraulic log feed** with manipulator and two feed rollers
- **Sawing system SuperCut Harvester** 90 cm
- **Hydraulic saw feed system** with double gripper and automatically stop ventilation
- **OnlyCut function**
- **Residual wood discharge**
- **Chip extraction connection** Ø 15 cm

„AutoSplit 650“ splitting unit

- **VARIO splitting system** with cable remote control
- **Billet length** 20–50 cm (continuously variable)
- **Variable billet edge length** 5–15 cm
- **Number of billets max.** per log section 60
- **Splitting force** 16 t
- **Spring-loaded feed belt** – increases operational safety and reduces splitting forces
- **Oil cooler**
- **OptiSplit** automated splitting stroke optimisation
- **Electronic controls** for maximum operational safety
- **Touch screen** for comfortable use
- **Buffer belt** 2m
- **Optical sensor** on the buffer belt
- **VolumeControl** wood volume calculation
- Automated **central lubrication**

③ Conveyor belt

④ Log feeding

More on this in the log feeding chapter price lists.

Billet handling

More on this in the billet handling chapter price lists.

⑤ Operator's cab

Firewood processors

SpaltFix K-650 Vario

Select the right SpaltFix based on drive type. In order to meet all safety regulations and the machine's CE certification, the machine needs to be equipped with a discharge belt – for details see Annexe A.

Article no.	Type	Propulsion	Weight kg
M7600KTW4R	Z	Tractor PTO shaft, power consumption 50 kW, max. PTO shaft speed 430-480 rpm. Chip extraction permanently mounted to machine, hydraulic drive. Including tractor chassis (T), Cab (K), hydraulically folding drum conveyor 4 m (W4), waste wood discharge with protected opening (R) and oil collar (C). Power supply (12V/20A) from tractor required	7250
M7610KTW4R	2xE22 3x 400V, 50Hz	2xE22 kW e-motor 400V, S6, 2xC EE 32A. Including tractor chassis (T), Cab (K), hydraulically folding roller conveyor 4 m (W4), waste wood discharge with protected opening (R) and oil cooler (C)	7350
M7615KTW4R	Z2xE22 3x 400V, 50Hz	Tractor, power consumption 50 kW, max. PTO shaft speed 430-480 rpm. Chip extraction permanently mounted to machine, hydraulic drive (only with Z-drive) 2xE22 kW e-motor 400V, CEE 32A. Including tractor chassis (T), cab (K), hydraulically folding roller conveyor 4 m (W4), waste wood discharge with protected opening (R) and oil cooler (C). Power supply (12V/20A) from tractor required	7600
M7625KTW4R	D47	Hatz 4TH50TICD diesel engine EU stage V 54 kW, consumption: 5.0-6.5 l/h, tank capacity 140 l. Chip extraction permanently mounted to machine, hydraulic drive. Including tractor chassis (T), cab (K), hydraulically folding roller conveyor 4 m (W4), waste wood discharge with protected opening (R) and oil cooler (C)	7700
M7625KTW4R NA	D47	Hatz 4TH50TIC diesel engine US EPA Tier 4 final max. 54 kW, consumption: 5.0-6.5 l/h, tank capacity 140 l. Chip extraction permanently mounted to machine, hydraulic drive. Including tractor chassis (T), cab (K), hydraulically folding roller conveyor 4 m (W4), waste wood discharge with protected opening (R) and oil cooler (C). Only suitable for USA/CAN! See Appendix B for details	7700

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Chassis

Select the right chassis design and a longitudinal log conveyor.

Article no.	Description	Weight kg
T (SO1219)	Standard unsprung single axis tractor chassis -10 km/h. drawbar eye Ø 40 mm, hitch height approx. 80 cm, max. drawbar load approx. 2,000 kg, max. GVW < 9,000 kg. Includes four hydraulic support legs. Transport on public roads not permitted, may only be used on private property (lumberyard)	1
T2 (SO1235)	Surcharge for tandem tractor chassis -10 km/h. drawbar eye Ø 40 mm, hitch height approx. 80 cm, max. drawbar load approx. 2,000 kg, max. GVW > 9,000 kg. Parabolic spring assembly with load compensation. Includes four hydraulic support legs. Transport on public roads not permitted, only for use on private property (lumberyard)	500
T4 (SO1220)	Surcharge for tandem tractor chassis -40 km/h, with hydraulic brake system without ABS, drawbar eye Ø 40 mm, hitch height approx. 80 cm, max. drawbar load approx. 1,500 kg. Parabolic spring assembly with weight compensation. Including four hydraulic support feet and lightbar 12V	550
T4F (SO1434)	Surcharge for tandem tractor chassis -40 km/h, with hydraulic brake system without ABS, drawbar eye Ø 40 mm, hitch height approx. 80 cm, max. drawbar load approx. 1,500 kg. Parabolic spring assembly with weight compensation. Including four hydraulic support feet and lightbar 12V, special brake for homologation in France.	550
SD (SO1221)	Surcharge for 80 km/h tandem chassis, air brakes with ABS, 40 mm towing eye, clutch height ~80 cm, max. support load 1,000 kg. Parabolic spring unit with weight compensation. Incl. four hydraulic support feet, incl. 24V lightbar / 15-pin plug	550

ERFORDERLICH

Firewood processors

Chassis

Select the right chassis design and a longitudinal log conveyor.

OPTIONAL

Article no.	Description	Weight kg
K8o (SO1350)	Surcharge for ball-type tow hitch system K8o	15
X (SO1218)	Surcharge for low drawbar eye Ø 40 mm, hitch height approx. 50 cm and/or customised height to tractor chassis (T/T4)	1
A143 (SO9143)	Individual permit / Individual type approval (EBE), only possible for Austria and Germany!	1

Special equipment

Valid for initial equipment, incl. assembly.

OPTIONAL

Article no.	Description	Weight kg
L (SO1227)	LED working headlights for lighting the entire working area. Attention! Only for diesel engine driven machines. Standard for options K1 - K9	10
S (SO1226)	Reduced price for stationary model, machine is delivered without tractor chassis 10 km/h (T)	1
QY (SO1356)	Hydraulic switching function for additionally stationary cross conveyor QY. Remote-controlled switch on the joystick. Q3 option required!	2
RC (SO1357)	"RC" radio remote control for SpaltFix K-650 Vario mobile to start and stop the split and conveyor functions by an external operator. The following message appears at the operating station: External stop! The split and conveyor functions can only be re-activated by the external operator. This excludes all dangers to the external operator	15

Accessory equipment

Make your work routine easier with a series of useful additional pieces of equipment.

OPTIONAL

Article no.	Description
F0004199	K-650 Vario Mobil drum screen for HKF4/5/6 conveyor belt 4, hydraulically driven screen drums
F0001866	Tank heater 230V, recommended for regular use at temperatures below 0°C. Advantage: less wear and tear of the hydraulic system
Z1930080	Walterscheid W-Line universal shaft W-line

Firewood processors

Spare parts

Original POSCH spare parts convince with their accuracy of fit, maximum quality and safety.

OPTIONAL

Article no.	Description
Z1350107	Chain
Z1370107	Blade
F0003508	Chainsaw maintenance kit: 1 blade, 3 chains, 1 drive sprocket
F0004137	Service kit (1,000 h): filter inserts, non-return valve for saw head
F0004502	Conversion kit reinforced splitter feed belt with sheet metal tunnel for K-650 mobile

Operator's cab

Make your selection from different operator's caps, equipped with joystick control and operating seat. Only possible with initial equipment, incl. assembly.

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Article no.	Description
K (SO1239)	Partially glazed cab, toughened safety glass (in the rear and on the sides of the seat area), without doors. Front grid (in the direction of the saw unit from the operator's view). Chip protection flap. Weather-resistant, mechanically sprung seat. Without heating or air conditioning. Suitable for all drive options
K1 (SO1240)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W installed. Without heating or air conditioning
K2 (SO1241)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W installed. Diesel-powered heater, with electric motor with electric drive
K3 (SO1242)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W installed, roof-mounted air conditioning unit
K4 (SO1243)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W installed. Diesel-powered heater, with electric motor with electric drive, roof-mounted air conditioning unit
K6 (SO1244)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W, installed. Without heating or air conditioning. For PTO drive with hydraulically operated alternator via tractor hydraulics with at min. 20 l/min
K7 (SO1245)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W installed. Diesel-powered heater (separate tank). For PTO drive with hydraulically operated alternator via tractor hydraulics with min. 20 l/min
K8 (SO1246)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W, installed. Roof-mounted air conditioning unit. For PTO drive with hydraulically operated alternator via tractor hydraulics with min. 20 l/min
K9 (SO1247)	Fully glazed cab, toughened safety glass, 2 doors, air-sprung seat, windshield wipers, USB charging port, LED lighting 5x24W, installed. Diesel-powered heater (separate tank), roof-mounted air conditioning unit. For PTO drive with hydraulically operated alternator via tractor hydraulics with at least 20 l/min



Conveyor belts

Conveyor belts

Select the right conveyor belt length.

Article no.	Description	ejection height max. m	Weight kg
HF2 (SO1234)	Conveyor belt 2 m, inclination hydraulically adjustable	– 1,7	300
HKF4 (SO1222)	Angled conveyor belt 4 m, hydraulically folding	1.8 - 3.1	550
HKF5 (SO1303)	5-m angled conveyor belt, hydraulically folding	2.0 - 3.6	670
HKF6 (SO1223)	Angled conveyor belt 6 m, hydraulically folding	2.2 - 4.1	800

OPTIONAL

Log charging

Longitudinal conveyor

Depending on log length, you can choose various versions. The hydraulic drive is provided by the SpaltFix firewood processor. The maximum log length depends on the chosen cross conveyor.

Article no.	Description	log length max. m	A m	Weight kg
W4 (SO1228)	Roller conveyor 3 m, incl. filler plate, distance between rollers 75 cm, min. log length 1 m, as standard	1 -	4	1

Cross conveyor

Select the matching cross conveyor for the longitudinal conveyor you have chosen. The hydraulic drive is provided by the SpaltFix firewood processor. Note: stationary feeding options for mobile machines see log feeding system 65, cross conveyor table

Article no.	Description	log length max. m	B m	C m	Number of chains	Weight kg
Q3 (SO1231)	Cross conveyor 3 m - 3 strands with 1.4 m each to the longitudinal log conveyor 4.0 m, hydraulically folding, for log lengths of 1.2 - 4.0 m. Option W4 required!	1.2 - 4.0	1.4	1.1/1.7	3	800
A (SO1230)	Log support with hydraulic swivel function to the roller conveyor (W4). Attention! Cannot be combined with cross conveyor (Q3)					130

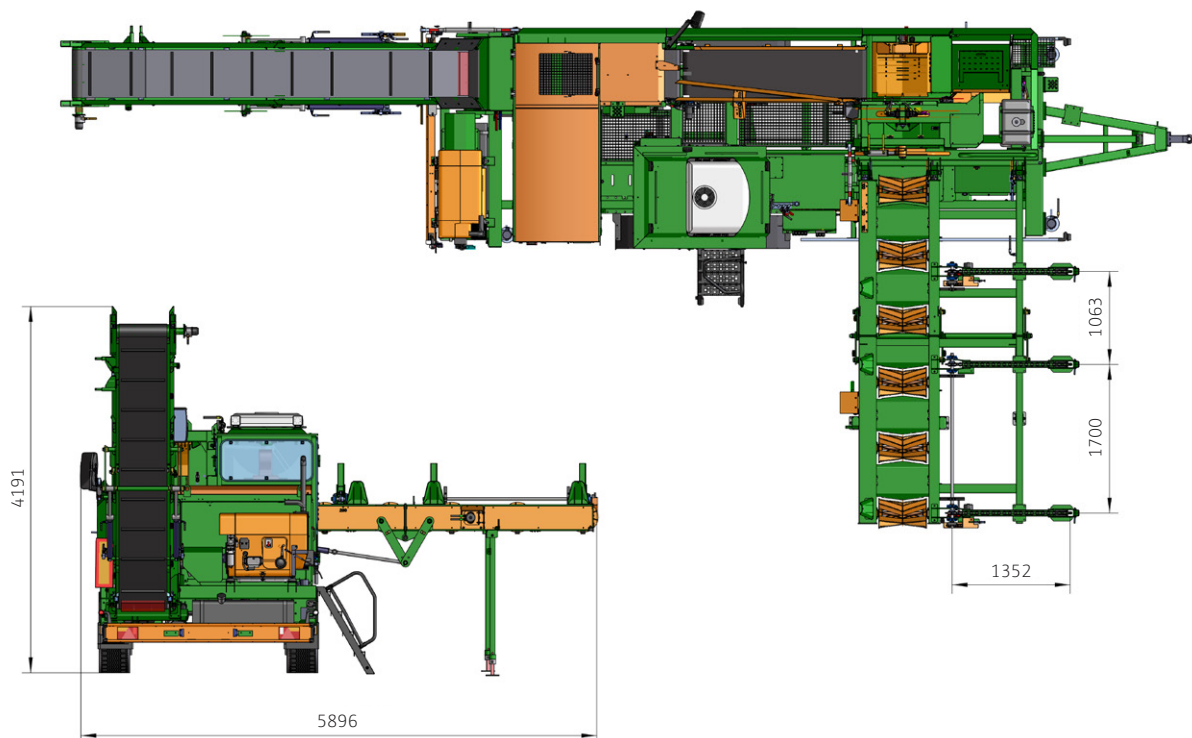
OPTIONAL

SpaltFix K-650 Vario mobile

- **Article no. M7625** SpaltFix
- **Article no. R** Waste wood ejector plus splitter bypass for cut-only rounds
- **Optional Article no. K4** fully glazed cabin with 2 doors
- **Optional Article no. SD** tandem chassis max. 80 km/h
- **Optional Article no. W4** 4 m roller conveyor
- **Optional Article no. Q3** 3 m cross conveyor
- **Article no. HKF6** 6 m angled conveyor belt



SpaltFix K-650 on chassis with operator cabin



Operator's caps



❶ Cab K
Partially glazed cab



❷ Cab K1, K2, K6, K7
Fully glazed cab



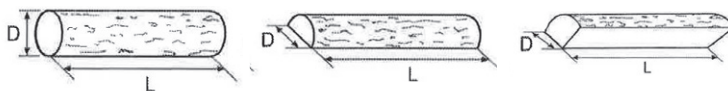
❸ Cab K3, K4, K8, K9
Fully glazed cab, roof-mounted air conditioning unit

Overview of technical specifications SpaltFix

SPALTFIX	mobile	stationary	Chassis	Splitting-knife	Cutting tool (cm)	Cutting reserve	Recommended processing diameter of typical firewood trunks from-to d [cm] max. log size D**[cm]	max. log diameter d[cm] max. log size D**[cm]	Ringknife max. log diameter d[cm] max. log size D**[cm]	Typical operating hours / year [h] from ... to	Typical processing quantities / year [SRM] from ... to
S-375	TPL*	x		Standard	Saw blade Ø 900	No	d=10-30 / D15	d=37 / D18		250-750	2000-5000
S-375 mobile			o	Standard	Saw blade Ø 900	No	d=10-30 / D15	d=37 / D18			
K-415	TPL*	x		Standard	Chainsaw / ProfiCut	Yes	d=10-35 / D17	d=41 / D20	d=35 / D12		
K-415 mobile			o	Standard	Chainsaw / ProfiCut	Yes	d=10-35 / D17	d=41 / D20	d=35 / D12		
S-377 Multi		x		Multi	Saw blade Ø 900	No	d=10-30 / D15	d=37 / D18	d=37 / D18	500-1500	5000-15000
S-415 Multi		x		Multi	Saw blade Ø 1000	No	d=10-35 / D17	d=41 / D20	d=41 / D14		
S-415 Vario		x		Vario	Saw blade Ø 1000	No	d=10-35 / D4-15	d=41 / D4-15			
NEW K-540 Multi		x		Multi	Chainsaw/ SuperCut	Yes	d=20-45 / D22	d=55 / D27	d=45 / D14		
K-540 Multi mobile			o	Multi	Chainsaw/ SuperCut	Yes	d=20-45 / D22	d=55 / D27	d=45 / D14		
K-650 Vario mobile			o	Vario	Chainsaw/ SuperCut	Yes	d=20-60 / D7-20	d=65 / D7-20			
NEW K-700 Vario		x		Vario	Chainsaw/ SuperCut	Yes	d=20-65 / D7-20	d=70 / D7-20			
NEW K-710 a-Vario		x		Vario	Chainsaw/ SuperCut	Yes	d=20-65 / D7-20	d=70 / D7-20			

* TPL:maschine with three point linkage

** D: max. log size



e.g. D15: D < 15 cm, D17: D < 17 cm, etc.

Annexe A

Platforms required for safety reasons on SpaltFix S-415 Vario, K-700 Vario, K-710 a-Vario:

The machines the Spaltfix system consists of have a CE label, the CE conformity of the individual machines is confirmed by Posch in the operating manual.

To meet EU safety regulations and to achieve CE labelling on Spaltfix Vario systems it is required to equip the system with a platform according to the respective accessory list. The risk assessment of the complete system for CE statement of conformity on the side of POSCH Ges.m.b.H. is based on a one-worker-operated free standing machine with sufficient views of the entire area surrounding the machine. Risk assessments of the complete system by POSCH under consideration of the building situation is exclusively performed on the basis of building plans submitted to us. Safety installations possibly required as a result are not part of the standard scope of supply of POSCH.

We would like to point out that the complete system may only be put into operation if it has been determined that the installation of the system and the safety equipment complies with the provisions of the Machinery Directive.

Conveyor belts required for safety reasons on SensoSplit 35 as well as on the Spaltfix models S-375, S-415 Vario, S-377 Multi, S-415 Multi, K-415, K-650 Vario mobil:

In order to meet the **safety distances** on the splitting knife specified by the EU safety regulations, the machine needs to be equipped with a discharge belt according to the respective accessory table. In this case, the machine is equipped with a CE label, CE conformity is confirmed by Posch in the operating manual.

Machines without discharge belt are delivered without CE declaration of conformity and without CE label and must not be operated. Required safety measures for the splitting area (according to EN ISO 13857 – Table 1) and CE conformity is the customer's responsibility. This has to be confirmed by the customer upon order placement – please inform the customer during the consultation.

Note:

No discharge belt is required for safety reasons for the AutoSplit 350, 415, 650 in stationary design.

Conversion room dimensions

Attention! The conversion factors for the room dimension (**fm / rm / srm**) depend, among other things, on the following factors: Type of wood, moisture content, firewood length, edge length and log shape. Please refer to the detailed information and conversion tables of your regional trade associations.

Annexe B

General information

NA

- a) USA: All machines come with operating instructions and stickers in English according to ANSI standard.
Canada: All machines come with operating instructions and stickers in French according to ANSI standard.
- b) Machines with E-drive come without electric equipment, ready for installation of the local electric components (motor, switch) on site. Technical documents for the interfaces of the pump drive with SAE flange and pump support or the alternative gear motors available on request (or available at Techservice, Quebec).
- c) Machines with diesel & petrol engine are approved for the USA (except California) and Canada.

NE

Machines with E-drive come with electric motor 3x200-480V/60Hz, ready for installation of the local electric components (switch) on site.

NE1

The machine will be offered with 3x460V/60Hz-drive, CSA-certified e-motor by Wattdrive/WEG and switch with ul- or CSA-certified components for field evaluation by the customer in USA or Special Inspection in Canada.

We will provide all necessary data-sheets of the switch components with UL/CSA-certificate after receipt of order respectively by delivery of the machine.

All possibly additional necessary measurements and expenses because of the certification, for Posch not foreseeable, have to be realized in USA.

Product range

SP | Special program
ST | Standard program
IN | Industrial program
ET | Spare Parts

Dimensions of log feed

A m | Total length longitudinal conveyor
B m | Total length of cross conveyor
C m | Distance between chain strands



Additional information about the stationary/roof air conditioner SpaltFix K-650 Vario mobile, K-700 Vario, K-710 a-Vario

The stationary/roof air conditioning system is operated with 1,400 W from the alternator of the diesel engine. At best, the power is used to maintain the temperature in the cabin. The stationary/roof air conditioner is not suitable for substantially cooling the temperature of an already overheated cabin! For example, if you start at noon with a cabin at > 30°C, the temperature is maintained or lowered only very slowly.

The air conditioner should therefore be started as soon as you start work, e.g. in the morning, in order to keep the temperature in the cabin at a comfortable level. Be aware that extremely high

outside temperatures and direct sunlight during the day can lead to a slow increase in cabin temperature. The discharge air temperature of the air-conditioning nozzles is about 3-6°C below the cabin temperature, see table below!

→ <http://standklima.de/standklima-kompressor/bycool-compact-1-4/>

To get the temperature to levels now commonly found in trucks or modern cars, air conditioning power at 5-10 kW would be necessary. The available power of the diesel engine is not strong enough for this.

Conditions

- Do not expose the cabin to direct sunlight.
- Battery is fully charged. There are at least 24 volts at the voltage input.
- Doors and windows are closed throughout the test.
- Vehicle engine is turned off.
- System run-time 15 minutes during max. cooling and fan operation.

Settings on the control element:

- Function module F0 (manual report)
- Temperature 15 °C
- Blower level V5

- Data collection after 15 minutes. Make sure that the second compressor is still running..
- Temperature in °C.
- Only one person in the cabin.
- Do not smoke during the test and refrain from physical activity.
- Outdoor temperature not above 35°C.

Functional diagram

T2 (°C) > Discharge air temperature

	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6
35	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
34	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
33	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
32	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
30		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
28				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
27					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
26						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
25							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
24								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
23									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
22										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
21											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20												1	2	3	4	5	6	7	8	9	10	11	12	13	14
19													1	2	3	4	5	6	7	8	9	10	11	12	13
18														1	2	3	4	5	6	7	8	9	10	11	12
17															1	2	3	4	5	6	7	8	9	10	11
16																1	2	3	4	5	6	7	8	9	10
15																	1	2	3	4	5	6	7	8	9
14																		1	2	3	4	5	6	7	8

Data: Collected with dual digital thermometer

T1: Intake air temperature (return air = inside temperature) at the circulation inlet

T2: Discharge air temperature at the outlet





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the return delivery must be freight cost paid. Custom-made products cannot be returned. Please note: If individual parts supplied as standard equipment (e.g. V-belt pulleys, etc.) are returned, only 50% of the spare part price can be credited. Requirement: Parts are deemed to be like new and they are delivered carriage-free to the works in Leibnitz (Austria) or the branch establishment in Velden/Vils (Germany). All rights reserved. Reprinting – also of extracts – only permissible with the approval of POSCH. © 2022 by POSCH. Printing and typesetting errors excepted.

