PRODUCT PROGRAM 2013

>>> Floor solutions for ... GRINDING





... CLEANING



...TROWELLING





ACCESSORIES

- >> Vacuums STS 13 26 40 60 110
- >>> Pre-separator STA 55
- >> Water vacuum WSA 70
- Sanding discs Pads
- >>> Chemicals

>> STS 13 - 26 - 40



STS 13 with autostart function and extra socket for handtools



Jet-pulse filter cleaning on STS 13 – 26 – 40 – 60 – 110

Dustfree operation

Comes standard with HEPA-Filter H 13 for maximum dust control and workplace protection. Designed especially for the construction industry with an efficient and easy jet-pulse filter cleaning. The dust gets separated and filtered via a concical pre-filter in a transparent Longopac.

Features

- HEPA-Filter H 13 standard on all vacuums
- Jet-pulse filter cleaning
- Very easy to operate
- Longopac dust collection system = safe dust disposal
- Autostart function with extra socket for hand tools





ON/OFF switch with overpressure control



Longopac dust collection system on STS 26 – 40 – 60 – 110

Feature

- HEPA-Filter H 13 standard on all vacuums
- Jet-pulse filter cleaning
- Easy to operate
- Longopac dust collection system
 (= approx. 25 individual sealed bags)
- Hour meter
- Overpressure control for filter cleaning
- Large transport wheels

STS 26





HEPA-filtration H 13 is standard on all vacuum cleaner STS 13-26-40-60-110



Camlock-coupling for a safe hose connection on STS 40 – 60 – 110/STA 55

eatures

- HEPA-Filter H 13 standard on all vacuums
- Jet-pulse filter cleaning
- Easy to operate
- Longopac dust collection system (= approx. 25 individual sealed bags
- Large transport wheels
- 400V version for non-stop operation

STS 40



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\rightarrow Accessories STS 13-26-40-60-110 / Pre-separator STA 55







ON/OFF-switch on STS 60

- HEPA-Filter H 13 standard on all vacuums
- Jet-pulse filter cleaning
- Easy to operate
- Longopac dust collection system (= approx. 25 individual sealed bags)
- Large transport wheels
- Low in design
- Easy to transport
- 400V version for non-stop operation



STS 60



Camlock-reduction for the suction nozzle



Longopac cable ties for a safe dust

More suction power and costs safings

The STA 55 seperates 80 to 90 % of the main dust before it enters the vacuum pre-filter. This improves the suction power and extends the filters life time. It is mainly used in conditions during heavy grinding and scarifying work.

Application

During grinding and scarifying.

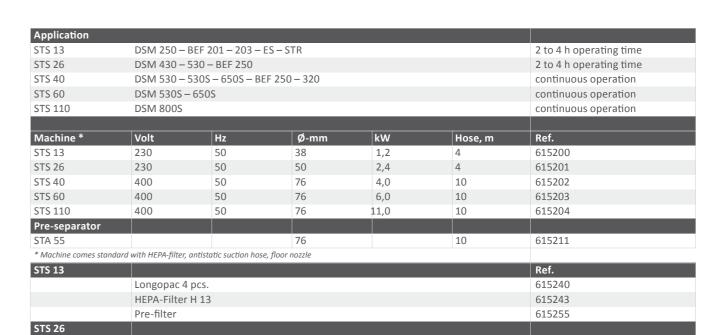
Features

- Higher suction performance
- Extends the filters life time
- Easy and safe dust disposal with Longopac
- Hight adjustable container for transportation





Technical data		STS 13	STS 26	STS 40	STS 60	STS 110	STA 55
Voltage	V	230	230	400	400	400	
Frequency	Hz	50	50	50	50	50	
Motor	kW	1,3	2 ,6	3,6	6,0	11	
Suction hose	m	4	4	10	10	10	10
Ø-suction outlet	mm	38	50	76	76	102	76
Air flow	m³/h	210	400	400	600	1100	
Under pressure	kPa	23	23	29	28	28	
Pre-filter	m²	1,5	3,0	4,5	6	4,75	
HEPA-Filter	m²	1,1 (H13)	2,2 (H 13)	2,2 (H 13)	5 (H 13)	7,5 (H 13)	
Containers		Longopac	Longopac	Longopac	Longopac	Longopac	Longopac
Noise level	dB(A)	74	78	78	78	80	
Weight	kg	28	47	99	195	365	59
Ref. No.		615200	615201	615202	615203	615204	615211



615240

615243

615246



Longopac 4 pcs.

HEPA-Filter H 13

Pre-filter

Subject to change

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>>> Sanding discs — Pads

Pads	Machine	Ø 150 mm, set = 6 pcs.	Ref.
	DSM 430	White	706875
		Red	706876
		Black	706877
		Ø 406 mm, set = 5 pcs.	
	ES 420	White	530700
	ES 420S	Red	530900
	STR 580	Blue	531100
		Brown	531300
		Black, Hi-Pro	532900
		Ø 430 mm, set = 5 pcs.	
	ES 430	Steel wool pad, for vitrification	515700
	EP 430 duo	White	530800
	ES 500/51S	Red	531000
THE RESERVE TO SERVE	STR 701/702S	Blue	531200
		Brown	531400
		Black, Hi-Pro	533100
A STATE OF THE PARTY OF THE PAR		Black	534000
		Ø 510 mm, set = 5 pcs.	
	EU 510	UHS-Pad, nature	608041
The same of the sa		UHS-Pad, pink	608042
	ES 500/51S	White	608043
	STR 701/702S	Red	608044
		Blue	608045
		Brown	608046
		Black	608047
Sanding discs		Ø 150 mm, velco backing, set = 9 pcs.	
-	DSM 430	Grain 24	710435
		Grain 40	710436
		Grain 60	710437
		Grain 80	710438
		Grain 100	710439
		Ø 406 mm, double-sided	
	ES 420S STR 580	Grain 16, set = 5 pcs.	702665
		Grain 30, set = 5 pcs.	702666
		Grain 60, set = 5 pcs.	702667
		Grain 16 – Disc, tungsten carb., set = 1 pcs.	702672
		Grain 30 – Disc, tungsten carb., set = 1 pcs.	706106
		Ø 406 mm, grinding grid, set = 10 pcs.	
		Grain 60	706681
		Grain 80	706682
		Grain 100	706683
		Grain 120	706684
		Grain 150	706685
		Ø 430 mm, double-sided	
	STR 701	Grain 12, set = 5 pcs.	702791
	STR 702S	Grain 16, set = 5 pcs.	702663
		Grain 30, set = 5 pcs.	702661
		Grain 60, set = 5 pcs.	702662
		Grain 16 – Disc, tungsten carb., set = 1 pcs.	702668
		Grain 30 – Disc, tungsten carb., set = 1 pcs.	702670
		Grain 16 – Disc, tungsten carb., set = 1 pcs., D = 500 mm	706109
		Ø 430 mm, grinding grid, set = 10 pcs.	300000
		Grain 60	706680
		Grain 80	704392
		Grain 100	704391
		Grain 120	702790
		Grain 150	704390

>>> Chemicals

Chemicals			Ref.	
Chemicals		Formwork wax, 10 l container, price per liter	702650	
		romwork wax, 10 reomainer, price per inter	702030	
		Vitrification agent, PinkStar 5 ltr. Natural stone, marble, terrazzo, use with steel wool	515900	
Fu		Crystal powder, 200 g For high gloss finish on marble, terrazzo, granite, used with white pad (can be used several times)	608792	
Pre conditioner	Nr. 21	Fixative (dry only) – Pre conditioner	608784	
8	N1. 21	Enhances the floor colour $11 \sim 50-100 \text{m}^2$, undiluted Natural stone, marble, terrazzo, granite	000/64	
	Nr. 21S	Pores filler (damp application) – Pre conditioner	608785	
		for very open floors, hardening and bonding features, water based, no colour enhancement $1l\simeq 50m^2$, max. 1:3 dilutable, can be polished with white pads Concrete floors		
Impregnation				
	Nr. 22	Mid-term protection, clear protection agains stains and liquids, UV-and salt resistent can be polished with white pads (Inside application only), 11 ~ 50–100 m², undiluted Application after preconditioning with No. 21 or 21S	608786	

Subject to change

Chemicals			Ref.
6-3	SBP-10	Pre-conditioner for SBR 400, for cement surfaces without colour enhancement, protects against water based liquids, oil, fat, $1 l^{-} 10-35 m^{2}$, $10 ltr$. For concrete, terrazzo, concrete tiles	713245
	SBP-20	Pre-conditioner and pore filler for porous and open surfaces with colour enhancement for SBR 400, protects against water based liquids, 1 l ~ 10–30 m², 10 ltr. For screeds, concrete, terrazzo, concrete tiles	713247
	SBP-30	Hybrid-Lithiumsilikat, 20 ltr.	713248
	SBR-400	Final impregnation on Silan for cementeous surfaces with colour enhancement and gloss. Protection against dirt, and acid based liquids for screeds, concrete, terrazzo, concrete tiles. 1 I ~ 30–40 m², 10 ltr.	713246
	SB-AC60	Pore filler for open concrete floors prior polishing, 5 ltr.	608793
Polishing powder fo			
	Marmolin 1 kg,	G	608810
-			
Shamburi Sha Shanburi Sha Sha Sha Shamburi Sha Sha Sha Sha Sha Sha Sha Sha Sha Sha	Marmolin 5 kg,	G	608811
	Marmolin 25 kg	;, G	608812
Concrete hardening			
0-	Concrete harde	ning, VE = 20 Liter (25 kg)	713235
	Concrete harde	ning, VE = 200 Liter (250 kg) in barrels	713236
Protect, Stone soap			
		soap VE 5 litre dly adjusted cleaning concentrate, slightly alkaline, for cleaning, mpregnation of limestone, natural stone, polished surfaces and	706897

>>> Delivery and payment terms

1. Validity of the terms

- All our quotations, deliveries and services are implemented exclusively on the basis of these terms, even if not specifically mentioned during contractual negotiations. They apply to all contracts with contractors, legal representatives of public corporations and separate estates under public law (hereinafter known as the purchaser). They are also applicable for all future business relations, deliveries and services concerning the purchaser, even if in future they are not expressly mentioned or agreed again. Our terms are deemed to be applicable at the latest on acceptance of the goods or the service provided by us.
- (2) The purchaser's own business terms do not apply, even if we have not disputed these and still undertake the business. This is also true for those clauses in the purchaser's terms, which touch on matters, not contained in our terms, which are a charge on us in spite of the law.
- (3) If the purchaser is not in agreement with this method of working, he must at once make this fact clear in a special letter. In such a case we reserve the right to decline the contract, without it being possible to make any claims whatsoever against us

2. Quotations and delivery terms

- (1) Our quotations are not binding, unless something different is specifically laid down. A binding contract as a result of an order placed by the purchaser acquires legal validity only on receipt of our written confirmation of the contract or through the acceptance by the purchaser of the object supplied or of the service we provided (whichever takes place first).

 (2) Oral agreements are binding on us only when we have confirmed them in writing.
- (3) Our delivery or service provided takes place ex works, unless agreed otherwise
- The deciding factor relating to the condition of the object or service provided by us is the
- information contained in our specification.
- (5) Unless expressly agreed otherwise, we provide no kind of guarantee, in particular neither a guarantee as to condition nor as to shelf life. Information relating to an object or service provided does not constitute consent to the acceptance of liability concerning procurement

3. Threat to the solvency of the purchaser

If we are obliged to undertake work in advance, we can decline the work incumbent upon us if it becomes clear to us, only after concluding the contract, that our claim is endangered by the lack of solvency on the part of the purchaser and indeed until compensation is effectuated or security provided to this effect. We can set the purchaser an appropriate period of time, in which the latter, at his discretion, either has to effectuate the compensation contemporaneously with our service or provide security. Should this period expire without this being done we can withdraw from the contract.

4. Delivery time

- (1) A delivery period or period for accomplishing a service commences when the contract becomes fully effective, i.e. normally with the receipt of our contract confirmation, unless otherwise agreed in an individual case.
- The delivery period or period for accomplishing a service is extended by the time, during which the purchaser for his part does not fulfil or not fulfil properly his required obligation to co-operate
- or his obligation to make a payment in advance.

 (3) If, before delivery of the object to be supplied, the purchaser requires another version of the same article, differing in any respect, the term of the delivery period will be interrupted until agreement is reached thereon and extended appropriately if, because of the alteration, it is no longer possible or reasonable for us to adhere to the previous delivery period or period for accomplishing a service.
- (4) If, following conclusion of the contract, we are prevented from fulfilling our delivery or providing a service because of the occurrence of unforeseeable, exceptional circumstances, which we could not avert in spite of carrying out the care necessary in accordance with the circumstances of the individual instance, the delivery period or period for accomplishing a service will be extended appropriately insofar as these circumstances lead to delays. This is particularly applicable if we can prove that, in spite of careful selection of our suppliers and in spite of concluding the necessary contracts concerning appropriate terms, we were not supplied on time by our suppliers. We can invoke this clause only if we have notified the purchaser immediately of the occurrence of these circumstances.
- (5) Should the delay referred to in Section 4 last longer than 1 month, both parties are entitled to rithdraw from the part of the contract, which has not yet been fulfilled
- (6) Claims against us for damages on account of delays in delivery or performance of services or for non-fulfilled deliveries or provision of services are excluded, unless there is gross negligence or malice aforethought on the part of ourselves, our legal representatives or agents. This exclusion of liability does not apply with respect to damage arising from injury to life, limb or health or which is based on an infringement of an important contractual obligation (so-called cardinal obligation) or if we, exceptionally, have provided a guarantee for punctual delivery or performance of a service. In the case, however, of an unintentional infringement of an important obligation (cardinal obligation) or of one which is not due to gross negligence, liability is limited to typical contractual and foreseeable damage, if no damage has arisen as a result of injury to life, limb or health and we have also not provided any guarantee for punctual delivery or performance
- (7) Section 6 applies with respect to claims for reimbursement of expenses in accordance with §

- (1) All prices, unless expressly agreed otherwise, are net prices in Euro plus the legal Value Added
- Tax we have to pay at the time in question.
 (2) Unless otherwise agreed, deliveries of goods with a contractual value smaller than 50 € will be undertaken only for cash on delivery, plus a processing surcharge of 15 €.
- (3) For goods we agree to accept back we charge a re-stocking fee of 15%

- nvoices for repairs are payable immediately without discoun
- (2) Unless otherwise agreed, other payments by the purchaser for deliveries and services are to be made without any deduction within 30 days of the date of the invoice; payments made within 10 days of the date of the invoice are entitled to a discount of 2%. The deciding factor is the receipt of the relevant sum in our account. If the purchaser pays by instalments, the discount as a whole is applicable only if all instalments take place within the discount period.

 (3) Unless otherwise agreed, our field representatives are not entitled to collect payments.
- (4) The purchaser is entitled to offset payments with counter-claims only if the counter-claim. which is to be offset, is established as being undisputed or legally effective. The same applies to establishing a right of lien.
- (5) Unless expressly agreed otherwise, we reserve the right to decline bills of exchange or cheques. If the purchaser pays by means of a bill or a cheque, without there being an agreement to this effect, and we accept this, this is done only because it is payment of a debt, so that a paymen takes place only when it is effectively cleared. All costs in co or cheques are charged to the purchaser. We are not responsible for the punctual presentation of bills or cheques.

 (6) Should payment periods be exceeded, default interest will be charged at a rate of 8% p.a. plus
- basic interest of the European Central Bank.

- (1) The goods supplied remain our property until full payment has been made for all claims arising out of the business relationship with the purchaser existing at the time of the transfer of liability, including all secondary claims. This applies, however, only to claims, which arise on account of or as a result of the validity of these business terms.

 (2) For payments by cheque or bill of exchange retention of title ceases only with the redemption of
- these by the purchaser as drawee and the reimbursement of possible discounting and collection

- (3) The purchaser is responsible for handling goods, which are still subject to our retention of title (reserved goods), carefully and for carrying out possible service-, maintenance- and repair work necessary to maintain their value. He is liable for the loss of and all damage to the reserved goods, even if he is not at fault.
- may neither pledge, hire out or loan the reserved goods nor dispose of them, except as authorised in accordance with Section 7.
- (5) If the purchaser does not fulfil his obligations concerning the proper treatment of the reserved goods, although we have provided him with an appropriate period to remedy the matter, we can also repossess them.
- If we make use of our right to repossess the reserved goods, rescission of the contract occurs only if we have expressly stated this in writing. We are entitled to charge the purchaser an appropriate amount for our expenditure in connection with a repossess
- (7) If the reserved goods are attached or claimed in any manner by a third party we are to be notified by the sending of copies of all documents (e.g. distraint document) in the possession of the purchaser. The purchaser is specifically obliged to draw attention to our property. All costs incurred by us in resisting an unjustified action against us are to be reimbursed by the purchase insofar as they are not to be borne by the third party and the purchaser is responsible for the
- If the purchaser is a retailer he can dispose of the reserved goods as part of a normal business transaction; in this case claims arising from the disposal of the reserved goods will already have been assigned to us as security for the claims secured through the retention of title for the ount of the invoiced value of the reserved goods agreed with us, without requiring a furthe declaration. The purchaser is empowered to collect claims for us arising out of the resale of the reserved goods. We can annul the collection authority at any time, if the purchaser gets into arrears with his payment obligations towards us or becomes unable to pay or the opening of insolvency proceedings against his estate is demanded. As long as an annulment of the collection authority has not been taken by us, we ourselves will not collect the claim.

 (9) If the value of the securities, to which we are entitled by reason of this clause, exceeds the value
- of our secured claims together with subsidiary claims by more than 15%, we will release the excess securities. All other rights of the purchaser to request a release should the amount of the security become excessive remain unaffected.

8. Purchaser's rights with respect to defects

- (1) If we are responsible for delivering a newly manufactured article or providing a service and if the object being delivered or the service being provided exhibits a defect at the time at which the risk passes, we are responsible, at our discretion, for repairing the defect or (as part of a sales' agreement) supplying a fault-free article or (as part of a work contract) providing a new service. The expenditure necessary for the purpose of the appropriate rectification work, in particular the costs of transportation, route, work and materials are to be borne by us.

 (2) If the rectification work, for which we are responsible in accordance with Section 1, fails, the
- purchaser can withdraw from the contract or reduce the compensation due to us through a statement. Insofar as nothing else occurs subsequently and we have not fraudulently concealed the defect or have provided a guarantee for the condition of the article or of the service, further ms on the part of the purchaser regarding a defect, on whatever legal grounds, are excluded
- (3) Claims for compensation as a result of a defect remain in existence in the following cases, in spite of the exclusion of liability contained in Section 2: – for damage arising from injury to life, limb and health, which are caused by a culpable infringe
 - ment of duty on the part of ourselves, our legal representatives or agents.
- for other damage arising from a grossly negligent or malicious infringement of duty on the part of ourselves, of one of our legal representatives or agents, in the case of liability on the basis of the product liability law
- ms for compensation for simple negligence on our part are, incidentally, also not excluded, insofar as an infringement of an important contractual obligation (so-called cardinal obligation) has brought about the damage. In this case, however, for an instance of simple negligence only contractually typical, foreseeable damage can be required to be replaced by us, unless an incident described in Section 3 has occurred at the same time.
- Claims on the part of the purchaser for defects on account of an insignificant decrease in the value or the serviceableness of the object supplied or in the service provided are not acceptable, subject to the provision in Section 7. We are not liable for penalties, which the purchaser has agreed with third parties.
- (6) If the object supplied is a second-hand one, all rights of the purchaser regarding the existence
- of a material defect are excluded, subject to the provision in Section 7.

 (7) The exclusions of liability in Section 5 and Section 6 do not apply if we have maliciously covered up the defect or have provided a guarantee as to the condition of the article or the service provided, as well as in the case of claims for compensation in the instances listed in Sections 3
- (8) The aforementioned regulations concerning the exclusion or continuance in force of claims for compensation apply similarly to possible claims on the part of the purchaser for reimbursement of pointless expenditure in accordance with § 437 No. 3 of the Civil Code or § 634 No. 4 of the Civil Code together with § 284 of the Civil Code.
- (9) Claims on the part of the purchaser for restitution lapse after one year from the delivery of the object supplied in the case of a sales' contract or, in the case of a work contract, from the acceptance of the service provided. This does not apply
- if an incident listed in § 438 Section 1 No. 2 of the Civil Code or in § 634 Section 1 No. 2 of the
- if the defect was maliciously concealed by us or if we have provided a guarantee as to the
- condition of the object supplied or of the service provided.
 (10) The rights of the purchaser to reduction and rescission, arising from § 437 No. 2 or § 634 No. 3 of the Civil Code, are excluded if the claim for restitution is invalid by lapse of time, taking into account particularly the regulations contained in Section 9, and we refer to this fact. He can, however, refuse payment of the purchase price or payment for the service provided insofar as
- he would be entitled to do so by reason of the rescission or right to reduction. (11) Peremptory rights on the part of the purchaser, such as the purchaser's rights as a contractor to recourse in accordance with § 478 of the Civil Code are not excluded or limited by these clauses.
- (12) If we prove that a complaint by the purchaser was unjustified, the purchaser has to reimburse us the costs incurred, including the costs of the investigation and return transportation.

9. Other exclusion of liability

In all other cases, i.e. not dealt with in Item 4, Section 6 and Item 9, we are liable for compensation only if it is a matter of a grossly negligent or premeditated infringement of duty on the part of ourselves, our legal representatives or agents. This exclusion of liability does not apply: for damage caused by injury to life, limb and health

- insofar as an infringement of an important contractual obligation (so-called cardinal obligation) has brought about the damage.
- in the case of liability on the basis of the product liability law.

10. Place of fulfilment and court of jurisdiction

- (1) The place of fulfilment and place of performance is Wangen-Göppingen (Germany), unless
- (2) The exclusive court of jurisdiction for all disputes arising directly or indirectly out of the contractual relationship, including action on a cheque or bill of exchange, is the competent court for our headquarters. Should we appear as plaintiff or petitioner we are also entitled to appeal to the competent court for the purchaser's headquarters instead of to the former

- The contractual relationship is subject exclusively to German law.
- (2) Should one of the aforementioned clauses be or become invalid at law, the validity of the maining clauses is not thereby affected.

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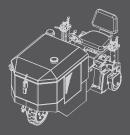




Brilliant floors – we'll give your floor the perfect finish!

Tip: Economical and professional floor preparation – we make it happen!









GRINDING
MILLING
CLEANING
TROWELLING

Schwamborn

Robert-Bosch-Straße 8 D-73117 Wangen/GP (Germany) Tel: +49 (0) 7161 / 2005-0 Fax: +49 (0) 7161 / 2005-15 E-Mail: info@schwamborn.com www.schwamborn.com

