



Husqvarna®



SMARTER SOLUTIONS TO FINISH CONCRETE SURFACES AND FLOORS

CONCRETE PLACEMENT EQUIPMENT BY HUSQVARNA

FOR A BETTER WAY OF WORKING

TAKING YOUR CONCRETE BUSINESS TO FIRST CLASS

Every concrete construction starts with a solid foundation. We provide you with the tools and solutions to create just that. We rely on three basic principles: high-performing and well-designed quality equipment, a clear focus on the operator's efficiency, and a service and support network to back you up in any event. That is how we enable you to achieve a better way of working.

HIGH PERFORMANCE PRODUCTS

Husqvarna's concrete equipment is developed for maximum productivity, performance and reliability. Every little detail within – from the hard-wearing vibrator heads to the reliable trowel motors – is designed to get the job done with maximum uptime and minimum service required.

FOCUS ON THE OPERATOR'S EFFICIENCY

The operator's efficiency is the key to high production rates and a high-quality job result. By designing the products for easy handling, reliable operation and best possible safety, we enable the operator to stay productive the whole working day.



SUPPORT AND SERVICE YOU CAN COUNT ON

Our machines are built to provide maximum uptime, and so is our extensive service network. We are never far away when you need to consult a Husqvarna-trained technician or have any service or spare parts delivered.

Visit our website www.husqvarnacp.com to find your nearest Husqvarna Service Center or authorized servicing dealer for Husqvarna Construction Products.

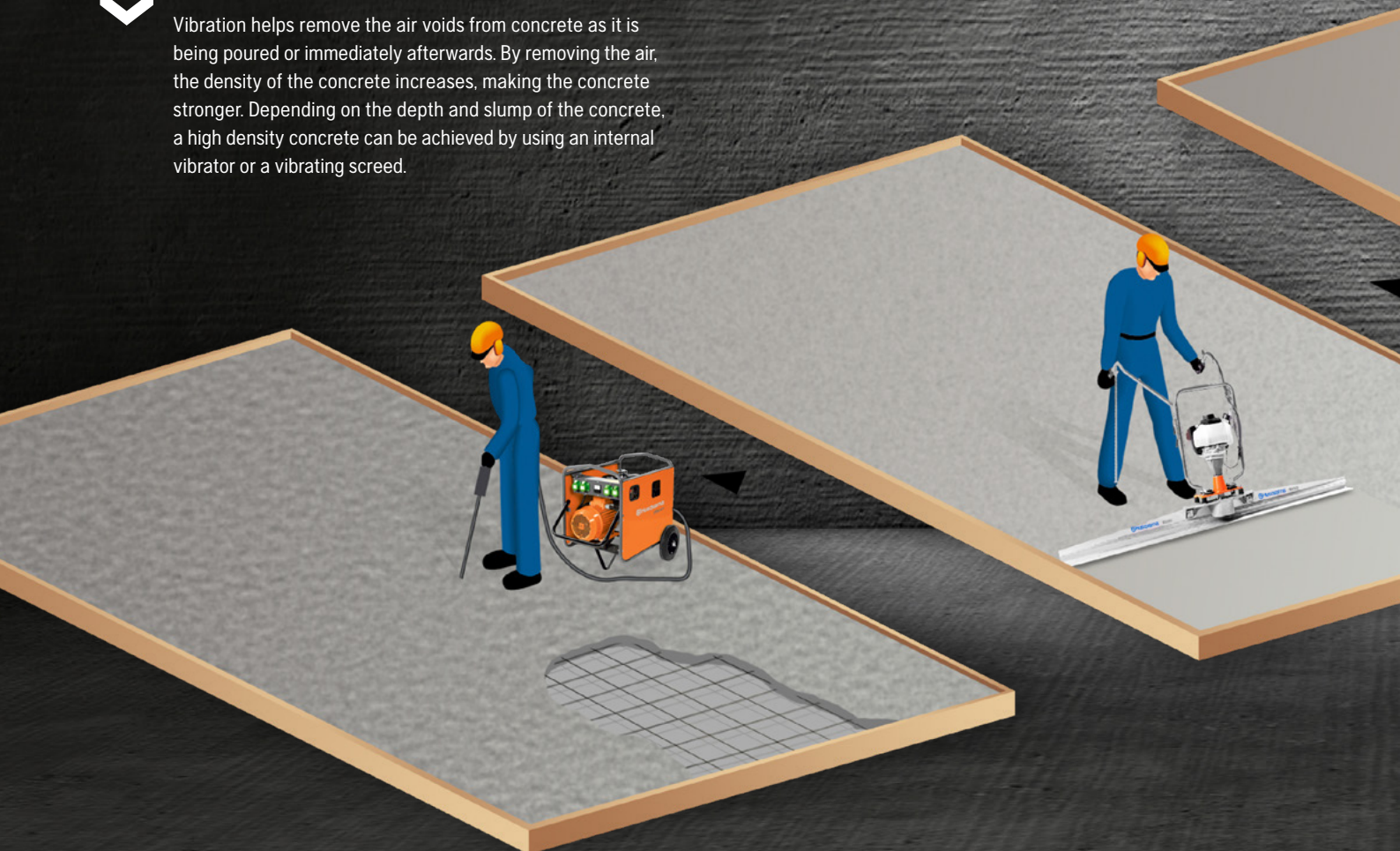
COVERING ALL STEPS OF THE JOB

Husqvarna offers a wide range of equipment that covers every step of the concrete placing and finishing process – including vibration, levelling, finishing and ultra-early entry sawing of poured concrete surfaces and floors.



CONCRETE VIBRATION

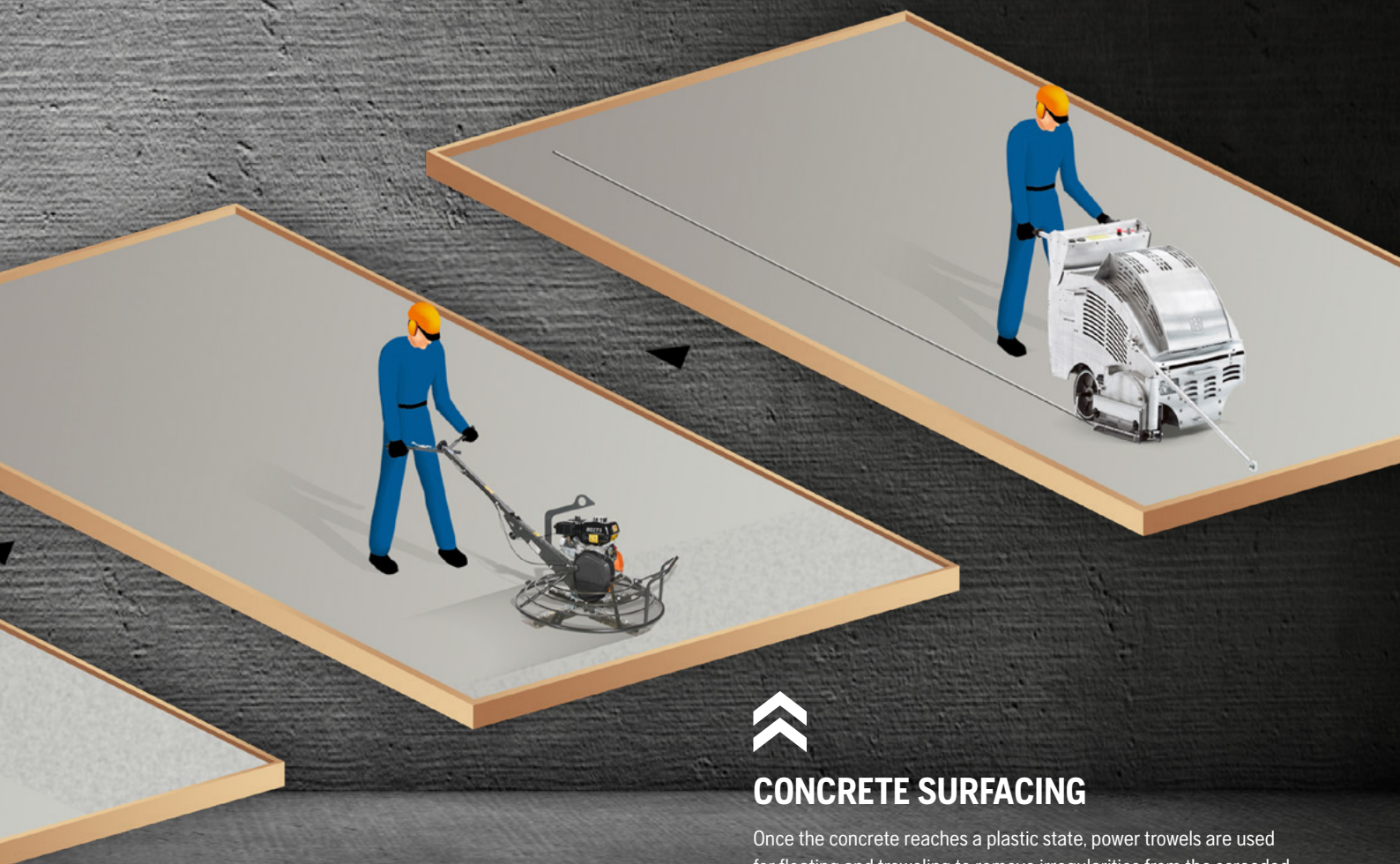
Vibration helps remove the air voids from concrete as it is being poured or immediately afterwards. By removing the air, the density of the concrete increases, making the concrete stronger. Depending on the depth and slump of the concrete, a high density concrete can be achieved by using an internal vibrator or a vibrating screed.





CONTRACTION JOINT SAWING

As a concrete slab hydrates and begins to set, it develops internal stresses that cause it to crack. Sawing straight, shallow joints in the freshly poured concrete prevents random cracks appearing. With the patented Husqvarna Soff-Cut Ultra Early Entry™ dry-cutting system, contraction joints can be sawn into the green zone within two hours of pouring.




CONCRETE LEVELING

In most cases, the concrete needs to be levelled to create an even surface. One or two screeding passes with a vibrating screed alone is often enough on single-reinforced slabs. If an already installed concrete floor is to be covered by a new concrete layer, surface vibration is an excellent method for obtaining an high level of adhesion between the two concrete constructions.



CONCRETE SURFACING

Once the concrete reaches a plastic state, power trowels are used for floating and troweling to remove irregularities from the screeded surface. During this process, the concrete surface is compacted and sealed which makes the floor even more durable. The intention is to obtain a smoother and more even concrete floor, and also to reduce the concrete dust created from wear.



In our high frequency electric vibrators, the vibrations are produced by an electric motor rotating inside the vibrator head. This design allows the vibrator head to be completely sealed, which also means that very little maintenance is required.

HUSQVARNA SMART SERIES | HIGH FREQUENCY ELECTRIC VIBRATORS

FOR INTENSE WORK AND MAXIMUM OUTPUT

Husqvarna Smart is a powerful system with an integrated, intelligent frequency converter developed for intense professional use. Any regular, single-phase wall socket with the appropriate voltage will suffice as power source. Just plug in and start working straight away.

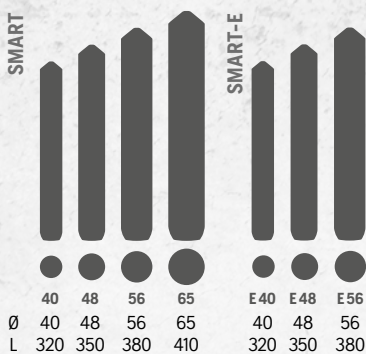
The high centrifugal force, stable speed and high amplitude contribute to efficient concrete vibration with fewer dips. 15 metres of cable + 5 metres of hose enable exceptional reach around the worksite. The Smart-E

version is ideal for flooring applications and features a pistol grip handle that reduces hand /arm vibration.

The integrated frequency converter is well protected against shock, overload and overheating. All electronics are built into the streamlined aluminum box with one push ON/OFF button. A LED indicator shows the working status of the vibrator and alerts the operator if something needs to be checked.

TUBE SIZES

All measurements are in mm. L = Length Ø = Diameter

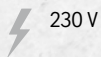


RADIUS OF ACTION

Up to: 12× diameter



ENERGY & DRIVE UNIT



230 V

CONSISTENCY

High to low slump

WORK FAST

A frequency of 12000 vpm across the Smart series range ensures high centrifugal force, stable speed and high amplitude – excellent concrete vibration with fewer operator dips.

EASY HANDLING

With 15 metres of cable and 5–10 metres of hose, Husqvarna Smart gives you exceptional reach around the worksite.

PLUG AND GO

With built-in frequency converters, a regular single-phase wall socket is all you need to power up and start working.

ERGONOMIC MOTOR-IN-HEAD DESIGN

Having the motor in the head keeps vibrations where they belong – in the concrete rather than in the operator's hands and arms.

HEALTHIER WORKPLACES

Using electricity instead of petrol means no fumes and less noise. Pistol grip handles reduce hand/arm vibrations, and the built-in converter is well protected against shock, overload and overheating.

ACCESSORIES

PART NUMBERS

Husqvarna Smart and AX pokers

Elastomer end cap Ø 40	595 15 67-01
Elastomer end cap Ø 48	595 15 68-01
Elastomer end cap Ø 56	595 02 96-01
Elastomer end cap Ø 65	595 45 09-01



Elastomer end caps

SMART VIBRATORS	65 – 5 M	56 – 10 M	56 – 8 M	56 – 5 M	48 – 10 M	48 – 8 M	48 – 5 M	40 – 5 M
Tube diameter, mm	65	56	56	56	48	48	48	40
Frequency, vpm	12000	12000	12000	12000	12000	12000	12000	12000
Voltage, V	230	230	230	230	230	230	230	230
Frequency, Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Amperage, A	10	6.4	6.4	6.4	4.5	4.5	4.5	2.5
Hose length, m	5	10	8	5	10	8	5	5
Cable length, m	15	15	15	15	15	15	15	15
Sound power, LW dB(A)	99	94	94	94	91	91	91	86
Vibration value, m/s²	2.47	2.47	2.47	2.47	5.87	5.87	5.87	4.62

PART NUMBERS

967 93 88-01	967 85 60-05	967 85 60-02	967 85 60-04	967 85 59-02	967 85 59-03	967 85 59-05	967 85 58-03
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SMART-E VIBRATORS	E 56	E 48	E 40
Tube diameter, mm	56	48	40
Frequency, vpm	12000	12000	12000
Voltage, V	230	230	230
Frequency, Hz	50/60	50/60	50/60
Amperage, A	6.4	4.5	2.5
Hose length, m	0.5	0.5	0.5
Cable length, m	15	15	15
Total weight, kg	14.8	13.6	12
Sound power, LW dB(A)	94	91	86
Vibration value, m/s²	0.52	0.52	0.52

PART NUMBERS

967 94 03-03	967 94 02-04	967 85 58-04
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The Smart-E version features a pistol grip handle that reduces hand/arm vibration.



HUSQVARNA AX/VIBRASTAR SERIES | HIGH FREQUENCY ELECTRIC VIBRATORS

FOR LARGE SLABS AND LONG SHIFTS

Husqvarna AX vibrators are light and maneuverable, easy to use and powered for the toughest jobs. These vibrators are ideal when many are to be used in parallel, since one frequency converter can run up to four vibrators simultaneously. There's an AX vibrator for almost any application. From high to low slump concrete, from thin beams to extensive foundations.

The electric motor-in-head design provides the vibrator head with outstanding performance, high power and stable speed. Rapid acceleration helps minimize air voids within the concrete and transports them to the surface. An easy-to-operate, robust aluminum toggle switch is standard.

Husqvarna Vibrastar are cost-effective vibrators for less challenging applications. The reliable and sturdy vibrators are designed for medium to high slump concrete. The easy-to-use aluminium switchbox offers one-hand operation and reduced hand/arm vibration. That means you'll be able to work longer without getting tired.

The dual fiber layers in the hose, and oil lubricated bearings in the vibrator, provide improved durability without the need for periodic maintenance. As for maintenance, our service-friendly design makes it really easy for you to replace bearings.

TUBE SIZES

All measurements are in mm. L = Length Ø = Diameter



RADIUS OF ACTION

Up to: 10× diameter.



ENERGY & DRIVE UNIT

⚡ CF, CFG and CFD 42 V

CONSISTENCY

High to low slump

EXTENSION CORD

Available in 5, 10, 15 and 20 metres

WIDE RANGE

Handles all type of concrete, from low to high slump.



LONG LIFE

Features roller bearings (except AX 40) and induction hardened steel for extended lifetime.

FLEXIBLE MATERIALS

Hoses and cables feature excellent resistance, traction and bending properties.

HUSQVARNA AX

TUBE SIZES

All measurements are in mm. L = Length Ø = Diameter



RADIUS OF ACTION

Up to: 8× diameter



ENERGY & DRIVE UNIT

⚡ CF, CFG and CFD 42 V

CONSISTENCY

High to medium slump

ACCESSORIES	PART NUMBERS
Extension cord, 5 m	596 57 02-01
Extension cord, 10 m	596 57 02-02
Extension cord, 15 m	596 57 02-03
Extension cord, 20 m	596 57 02-04

HUSQVARNA VIBRASTAR

ERGONOMIC DESIGN

Low hand and arm vibration value due to the double ball bearing with eccentric in the middle.

UPTIME

Vibrostar is a reliable and tough vibrator, designed for medium to high slump concrete.



HUSQVARNA CF POWER UNITS FOR AX/VIBRASTAR

POWER AVAILABLE ANYTIME, ANYWHERE

Husqvarna AX and Vibrastar are 42 Volt/200 Hz high-frequency electric vibrators, powered by either a Husqvarna CF frequency converter or generator, available with 1, 2 or 4 outlets.

HUSQVARNA CF CONVERTERS



STABLE OUTPUT

Connected to the main socket, 1-phase or 3-phase depending on model, all of these CF converters deliver stable output.

OVERHEAT PROTECTION

All CF converter models come with built-in overheat protection.

RESET BUTTON FOR SAFETY

In case of a voltage drop, a CF converter does not restart until the reset button is pushed.

RELIABLE OPERATION

Husqvarna CFD and CFG generators are motorized with renowned engines from Lombardini (diesel) and Honda (petrol).

EASY STOP

The stop switch is easy to reach, located on the main panel.

VOLTAGE CONTROL

All CFD and CFG generators are equipped with Volt metres to prevent overvoltage.



HUSQVARNA CFG AND CFD GENERATORS

AX VIBRATORS	AX 90	AX 65	AX 56 – 10 M	AX 56 – 8 M	AX 56 – 5 M	AX 48 – 10 M	AX 48 – 8 M	AX 48 – 5 M	AX 40	AX 36
Tube diameter, mm	90	65	56	56	56	48	48	48	40	38
Frequency, vpm	6000	12000	12000	12000	12000	12000	12000	12000	12000	12000
Voltage, V (3-phase)	42	42	42	42	42	42	42	42	42	42
Frequency, Hz	200	200	200	200	200	200	200	200	200	200
Amperage, A	21	19	11.7	11.7	11.7	10	10	10	4.5	6.2
Hose length, m	3	5	10	8	5	10	8	5	5	5
Cable length, m	10	10	10	10	10	10	10	10	10	10
Total weight, kg	26.6	18.8	20.5	18.5	16.1	17.4	15.4	15.1	13.2	13.1
Sound power, LW dB(A)	76	79	79	79	79	76	76	76	78	70
Vibration value, m/s ²	5.06	4.62	3.66	3.66	3.66	3.53	3.53	3.53	3.81	3.81

PART NUMBERS

	967 9400-01	967 8583-01	967 8582-03	967 8582-02	967 8582-01	967 8581-03	967 8581-02	967 8581-01	967 8580-01	967 8579-01
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VIBRASTAR	60	50	40
Tube diameter, mm	60	50	40
Frequency, vpm	12000	12000	12000
Voltage, V (3-phase)	42	42	42
Frequency, Hz	200	200	200
Amperage, A	11	8	4
Hose length, m	5	5	5
Cable length, m	10	10	10
Total weight, kg	15	13	8.4
Sound power, LW dB(A)	84	76	75
Vibration value, m/s ²	3.23	3.28	1.8

PART NUMBERS

	967 93 81-03	967 93 81-02	967 93 81-01
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FREQUENCY CONVERTERS	CF 67T	CF 25	CF 11
Output power, kVA	4.7	1.8	0.8
Intensity at 42 V, A	67	25	11
Number of phases (primary voltage)	3	1 or 3	1
Number of outlets	4	2	1
Weight, kg	70	31	18
Protection index	IP55	IP55	IP55
Noise level, dB(A)	85	80	76
Transport wheels	standard	optional	—

PART NUMBERS

230 V–1–50 Hz	—	967 93 87-01	967 93 79-01
400 V–3–50 Hz	967 93 82-01	967 91 34-02	—
400 V–3–50 Hz CI4P*	967 93 82-02	—	—
380 V–3–60 Hz CI4P*	967 93 82-03	—	—
Transport trolley	—	596 40 08-01	—

* CI4P = Four outlets with motor breakers that protect the external vibrators against high ampere consumption.

GENERATORS	CFG 67	CFD 67	CFG 25
Engine type, 4-stroke & manual start	Honda GX 270	Lombardini 15 LD 350	Honda GX 160
Fuel	Petrol	Diesel	Petrol
Max power at 3600 rpm, hp	8.4	7.5	4.8
Rated speed, rpm	3000	3000	3000
Output rated power, kVA	4.7	4.6	1.8
Number of outlets	4	4	2
Rated amperage, A	67	65	25
Rated output voltage, V	42	42	42
Frequency, Hz	200	200	200
Weight, kg	85	95	45
Noise level (LW), dB(A)	97	108	94
Wheels	yes	yes	optional

PART NUMBERS

	967 92 84-01	967 92 85-01	967 92 82-01
Transport wheels	—	—	967 85 99-01



HUSQVARNA AME SERIES | MODULAR FLEX-SHAFT VIBRATORS

VERSATILE VIBRATORS FOR SMALL TO MID-SIZE JOBS

Husqvarna AME 1600 and AME 600 are versatile systems designed for occasional concrete pouring applications. Just plug into a regular wall socket to let the combination of high frequency electric power and mechanic force do the job for you.

The low-weight portable electric drive units and numerous configurations make these systems ideal when pouring floors, slabs, beams, columns and pillars in housing.

Husqvarna AME 600 is developed for thin layers and low slumps, while Husqvarna AME 1600 can handle bigger challenges.

All shafts and vibrators in these systems are equipped with quick couplings for ease of assembly. Instant speed and power from the drive unit provides rapid acceleration contributing to the outstanding performance.

TUBE SIZES

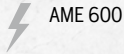
All measurements are in mm. L = Length Ø = Diameter



RADIUS OF ACTION, HA
Up to: 8× diameter



ENERGY & DRIVE UNIT



CONSISTENCY

High to medium slump

FLEXIBLE SHAFT

Available in 1, 2, 3 metres, see table on this page

HUSQVARNA AME 600

OPERATOR FRIENDLY

Rubber padded handle for reduced hand/arm vibration (below 2.5 m/s²).

LOW WEIGHT

AME 600 weighs in at only 1.9 kg, making it Husqvarna's lightest vibrator. Perfect for small areas.



DRIVE UNITS	AME 600
Voltage, V (1-phase)	230
Frequency, Hz	50/60
Power, kW	0.6
Rated consumption, A	2.7
Frequency, rpm	3000
Weight, kg	1.9
Vibration value, m/s ²	1.72

PART NUMBERS

967 93 31-01

VIBRATORS (HIGH FREQUENCY)	HA 35/3	HA 35/2	HA 35/1	HA 25/3	HA 25/2	HA 25/1
Tube diameter, mm	36	36	36	26	26	26
Frequency, vpm	12000	12000	12000	12000	12000	12000
Total weight, kg	7.6	6	4.4	5.2	4.0	2.8
Vibration value, m/s ²	1.7	1.7	1.7	1.7	1.7	1.7

PART NUMBERS

967 93 84-03 967 93 84-02 967 93 84-01 967 93 83-03 967 93 83-02 967 93 83-01

DRIVE UNITS	AME 1600
Voltage, V (1-phase)	230
Frequency, Hz	50/60
Power, kW	1.6
Frequency, vpm	12000
Weight, kg	6.1
Vibration value, m/s ²	4.16
Protection level	IP44

PART NUMBERS

967 93 36-01

FLEXIBLE SHAFTS SUPERFLEX	40	30	20	10
Length, m	4	3	2	1
Total weight, kg	7.3	5.6	3.8	2.4

PART NUMBERS

967 85 95-05 967 85 95-04 967 85 95-03 967 85 95-01

VIBRATOR HEADS	AT 59	AT 49	AT 39	AT 29
Tube diameter, mm	59	49	39	29
Frequency, vpm	12000	12000	12000	12000
Total weight, kg	3.9	2.7	2.1	1.3

PART NUMBERS

967 85 96-04 967 85 96-03 967 85 96-02 967 85 96-01

TUBE SIZES

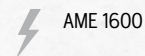
All measurements are in mm. L = Length Ø = Diameter



RADIUS OF ACTION, AT
Up to: 10× diameter



ENERGY & DRIVE UNIT



CONSISTENCY

High to low slump

FLEXIBLE SHAFT

Available in 1, 2, 3, 4 metres

HUSQVARNA AME 1600

LONG LIFE

AT 59 features oil lubrication which contributes to long life and keeps life cycle costs down.

DURABLE

Foam filter helps protect the drive unit from dust.



In our mechanical vibrators, the vibrations are produced by a pendulum rotating inside the vibrator head. A flexible, rotating driveshaft transfers the power mechanically to the pendulum from the power source through the hose. The driveshaft can be powered by a petrol engine or electric motor. Mechanical vibrators are sturdy and reliable, given the proper maintenance.



HUSQVARNA AA AND AZ SERIES | MECHANICAL VIBRATORS

MODERN CLASSICS YOU CAN TRUST

These classic mechanical pendulum vibrators have been refined over the years. Constant high vibration and simple design make them reliable, effective and offer great economical value. Both AA and AZ feature smart couplings with flexible shafts. These systems are powered by modern petrol or diesel drive units with low fuel consumption.

The conical shape of the pendulum raceway increases the friction area within the vibrator head to keep speed

up and prevent rpm losses. To reduce hand/arm vibrations and increase wear resistance, hose stiffener are used on large diameters.

The use of induction-hardened magnesium steel alloy in the major wearing parts and steel reinforcement in the rubber hose contribute to a long service life. The simple design makes maintenance easy and inexpensive. Service kits are available.

TUBE SIZES

All measurements are in mm. L = Length Ø = Diameter



ENERGY & DRIVE UNIT



AMD 3000 and
AMG 3200

CONSISTENCY

AA: Low to high slump
AZ: Medium to high slump

RADIUS OF ACTION

AA up to: 10× diameter



AZ up to: 8× diameter



LIGHTER

To reduce weight, the pendulum shaft in the AZ model turns directly inside the end-cap.

TOUGH

High induction
hardened steel parts.



USER FRIENDLY

AZ comes with a 5 metre hose.

RELIABILITY

AA 47, AA 67, AA 77 comes with a hose stiffener near the vibrating element for extended life time.

REACH IS KING

AA comes with a 6 metre hose.

POWER

Longer pendulum shaft turning in a bearing conical raceway extends lifetime with higher centrifugal force involved.



MECHANICAL VIBRATORS (PENDULUM TYPE)	AA VIBRATORS					AZ VIBRATORS			
	AA 77	AA 67	AA 47	AA 37	AA 27	AZ 56	AZ 46	AZ 36	AZ 26
Tube diameter, mm	75	63	50	39	25	55	45	35	25
Frequency, vpm	9200	10500	11200	12000	12000	11300	12000	12000	12000
Hose length, m	6	6	6	6	6	4.8	4.8	4.8	4.8
Total weight, kg	29	25	23	19	10	17	16	11.6	9.5
Sound power, LW dB(A)	75.7	75.8	73	68	69	90.0	87.4	82.0	77.5
Vibration value, m/s ²	3.16	2.66	3.52	1.56	2.46	8.27	2.42	5.22	2.00

PART NUMBERS

Standard coupling	967 85 77-01	967 85 76-01	967 85 75-01	967 85 74-01	967 85 73-01	967 93 91-01	967 93 80-01	967 93 90-01	967 93 89-01
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HUSQVARNA AM DRIVE UNITS FOR AA AND AZ VIBRATORS

The AA and AZ systems are powered by petrol or diesel drive units with low fuel consumption. They are motorized with renowned engines from Lombardini (diesel) and Honda (petrol) to ensure reliable operation in all conditions.

DRIVE UNITS	AMG 3200	AMD 3000
Fuel	Petrol	Diesel
Power, hp	4.8	4.1
Speed, rpm	2900	2900
Weight, kg	30	46
Engine brand	Honda	Lombardini
Sound power, LW dB(A)	103.8	79

PART NUMBERS

Standard coupling	967 85 72-01	967 92 86-01
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AMG 3200



AMD 3000





HUSQVARNA AY SERIES | PNEUMATIC VIBRATORS

POWERED BY COMPRESSED AIR

In our AY pneumatic vibrators, the vibrations are produced by a rotor inside the vibrator head. The rotor is driven by compressed air which is transferred through the hose from a compressor. Pneumatic vibrators are powerful, economic, sturdy and reliable, given the proper maintenance.

Modern compressors are economic and quiet and can run several vibrators simultaneously. Husqvarna offers a wide range of pneumatic vibrators to match

your compressor. This is an efficient solution if an air compressor is already available at the work site.

Husqvarna AY vibrators are ideal for vibrating walls and columns since the air-cooled design doesn't depend on the concrete to keep the temperature down. The easy-to-twist ball stop handle helps to avoid air leakage and power losses. The absence of moving parts in the hose means hand/arm vibrations are reduced. The AY 157 is equipped with two handles for easier handling.

TUBE SIZES

All measurements are in mm. L = Length Ø = Diameter



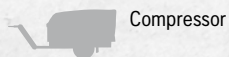
	AY 27	AY 37	AY 47	AY 57	AY 67	AY 77	AY 87	AY 107	AY 157
Ø	26	36	47	56	67	77	87	108	155
L	254	267	316	344	365	398	410	415	420

RADIUS OF ACTION

Up to: 12× diameter



ENERGY & DRIVE UNIT



Compressor

CONSISTENCY

Low to high slump

WIDE VARIETY OF APPLICATIONS

High centrifugal force and acceleration makes pneumatic vibrators ideal for everything from concrete lab tests to dam construction projects.

EASY HANDLING

The easy-to-twist ball stop handle with on-off function helps avoid air leakage and power losses.

USER FRIENDLY

The AY 157 is equipped with two handles.

DURABLE

The absence of moving parts in the hose means less hand/arm vibration and extended service life.

STAYS COOL

AY vibrators are excellent for walls and columns because they're air-cooled and don't depend on the concrete to keep the temperature down.

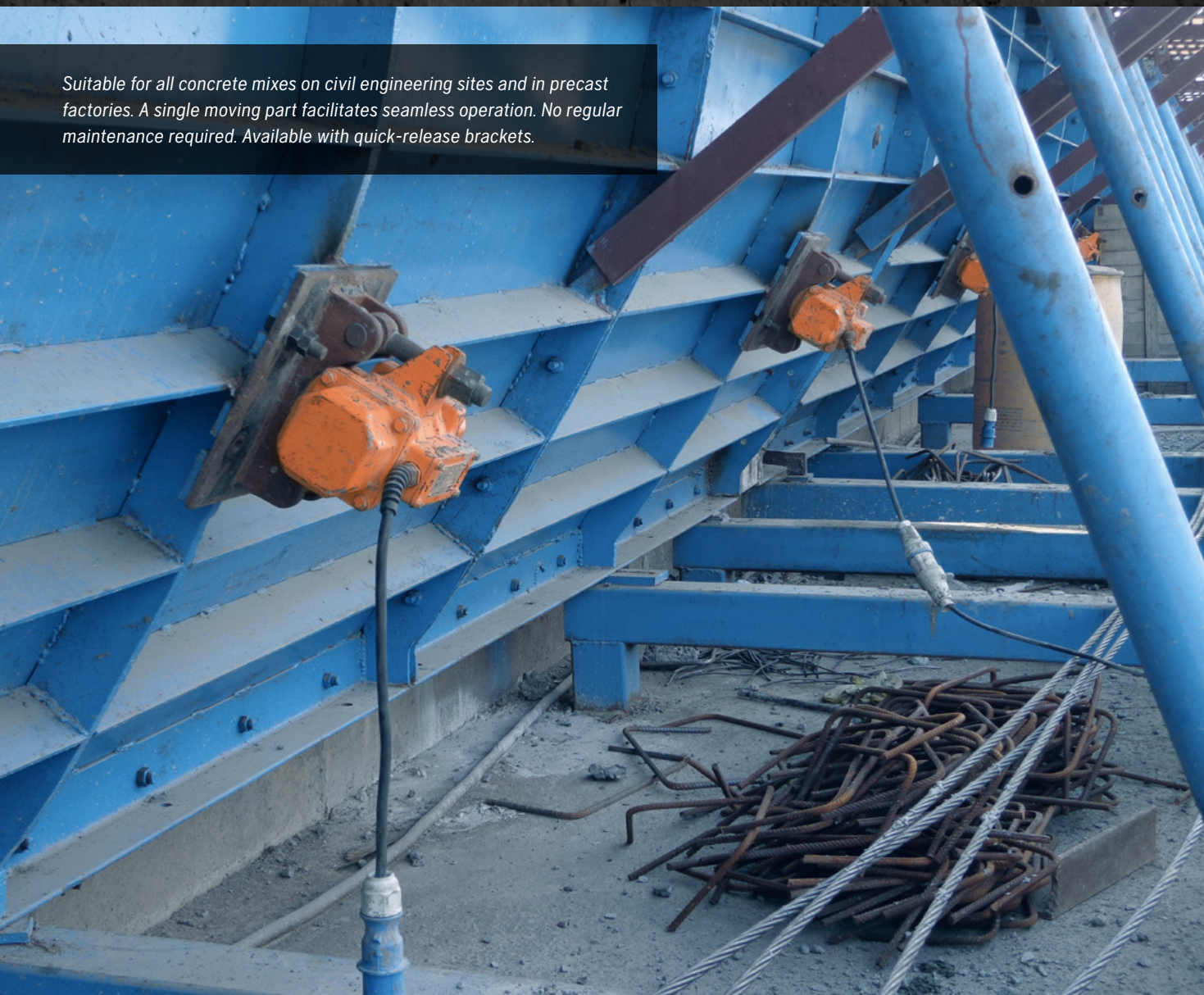


PNEUMATIC VIBRATORS	AY 157	AY 107	AY 87	AY 77	AY 67	AY 57	AY 47	AY 37	AY 27
Tube diameter, mm	155	108	87	77	67	56	47	36	26
Air consumption, m ³ /min	2.7	1.9	1.6	1.3	1	1	0.7	0.46	0.36
Frequency, vpm	12000	15000	15900	16000	17500	18000	18000	19000	21000
Hose length, m	0.8	1.5	1.5	2	2	2	2	2	2
Total weight, kg	28	23	18	17	11	10	7	5	4
Sound power, LW dB(A)	92.4	96.3	94.0	98	94	95	95.8	89.2	84.5
Vibration value, m/s ²	12.29	2.91	1.95	2.38	2.10	2.13	2.39	1.02	0.51

PART NUMBERS

	967 95 14-01	967 93 99-01	967 93 98-01	—	—	—	—	—	—
2 m hose	—	—	—	967 93 97-01	967 93 96-01	967 93 95-01	967 93 94-01	967 93 93-01	967 93 92-01
4 m hose	—	—	—	967 93 97-02	967 93 96-02	967 93 95-02	967 93 94-02	967 93 93-02	967 93 92-02

Suitable for all concrete mixes on civil engineering sites and in precast factories. A single moving part facilitates seamless operation. No regular maintenance required. Available with quick-release brackets.



HUSQVARNA EP AND ER SERIES | EXTERNAL VIBRATORS

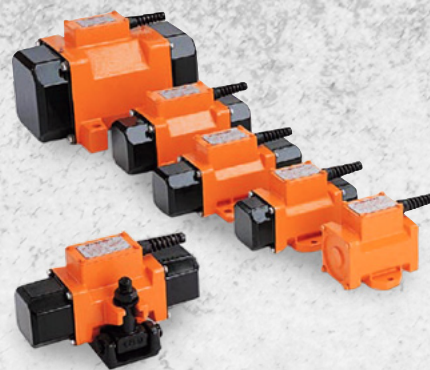
MAKE SURE TO GET GOOD EXTERNAL VIBRATIONS

Husqvarna offers a wide range of external vibrators – from high speed pneumatic to normal frequency electric – all with adjustable centrifugal force. To improve flexibility and cost-effectiveness, ER 207 B, ER 407 B and ER 507 B vibrators are mounted on quick-release brackets. This

makes them easier to move, so fewer units are required. High-quality components and materials help keep life cycle and maintenance costs down.

ER ELECTRIC VIBRATORS

The ER series provides high centrifugal force. To improve flexibility and cost-effectiveness, ER 207 B, ER 407 B and ER 507 B vibrators are mounted on quick-release brackets. This makes them easier to move, so fewer units are required

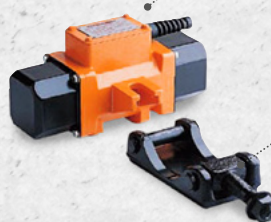


ADJUSTABLE CENTRIFUGAL FORCE

You have the flexibility to adjust as you like to suit the job at hand.

QUICK-RELEASE BRACKETS

Quick-release brackets allow you to secure the vibrator and increase flexibility during use.



EP PNEUMATIC VIBRATORS

The EP series is suitable for all concrete mixes on civil engineering sites and in precast factories. A single moving part facilitates seamless operation. Integrated noise reduction makes these vibrators very quiet. Also features quick-release brackets.

HIGH SPEED PNEUMATIC VIBRATORS	EP 601 B	E P371 B	EP 271 B	EP 121 B
Speed, rpm	8800	9350	9350	9000
Max. centrifugal force, N	31500	26800	10350	8100
Air consumption, l/min	1400	1400	1200	1200
Weight, kg	18	16.5	10	9.5
Bracket attachment	VT4	VT4	VT2	VT2
PART NUMBERS				
	967 97 00-01	967 96 99-01	967 96 98-01	967 96 97-01
Bracket	597 15 71-01	597 15 71-01	597 15 72-01	597 15 72-01

HIGH SPEED ELECTRIC VIBRATORS	ER 507 B	ER 407 B	ER 207 B
Speed, rpm	6000	6000	6000
Max. centrifugal force, N	16000	11000	7400
Voltage, Hz	42V-3-200	42V-3-200	42V-3-200
Intensity, A	23.5	16.5	12.5
Weight, kg	23.2	15.5	10.5
Bracket attachment	VT4	VT4	VT2
PART NUMBERS			
	967 97 32-01	967 96 94-01	967 97 26-01
Bracket	597 15 71-01	597 15 71-01	597 15 72-01

NORMAL SPEED ELECTRIC VIBRATORS	ER 705	ER 605	ER 505	ER 405	ER 305	ER 205	ER 105
Speed, rpm	3000	3000	3000	3000	3000	3000	3000
Max. centrifugal force, N	16000	12000	7400	6000	3000	1400	500
Intensity at 230V/400V, A	4.20/2.50	3.30/1.90	2.30/1.33	1.80/1.09	0.68/0.39	0.30/0.18	0.16/0.09
Weight, kg	46.80	44.60	22.00	20.00	11.00	4.30	2.70
PART NUMBERS							
	967 96 96-01	967 97 31-01	967 97 30-01	967 97 29-01	967 96 95-01	967 97 28-01	967 97 27-01
Bracket	—	—	597 26 75-01	597 26 75-01	—	—	—



HUSQVARNA BV SERIES | WALK-BEHIND SCREEDS

EASY SCREEDING FOR FIRST-CLASS RESULTS

Husqvarna walk-behind screeds are reliable tools that get the job done quickly and efficiently. The models range from manual to petrol-powered vibrating screeds. Motorized vibrating screed models can be used directly on thin slabs up to 100 mm (BV 30) and 150 mm (BV 20 G) by vibrating the edges beforehand.

The lightweight, non-corrosive design with aluminum/magnesium profiles allows for easy handling and maintenance, while the quiet and fuel-efficient Honda 4-stroke engines ensure reliable operation. For perfect results, the vibration force is adjustable by the engine speed on both the electric and petrol-powered models.

LONG REACH

The standard inter-connectable handle makes it possible to work from outside the slab with a total reach of 3.6 metres. The optional extra handle gives you a total reach of 5.4 metres.

HUSQVARNA BV 20 G

BV 20 G

BV 30

BV 20 H

50 mm

100 mm

150 mm

IN-DEPTH ACTION

On thin slabs up to 100 mm (BV 30) and 150 mm (BV 20 G) no vibration is needed beforehand.

SPEED ADJUSTMENT

All of our models, except the manually operated BV 20 H, comes with speed adjustment possibilities.

PROFESSIONAL RESULTS, EVERY TIME

The rigid bottom plate features a V-shaped profile that drives excess concrete backwards, which refills operator foot marks.

QUALITY THAT LASTS

There's little need for maintenance thanks to lightweight non-corrosive aluminium profiles and high-quality drive units.

ALWAYS NIMBLE

The lightweight design and articulated handle make it easy to operate.

HUSQVARNA BV 30

WALK-BEHIND SCREEDS	BV 20 H	BV 20 G
Working width, m	2.0	2.0
Weight operating, kg	7.5	16.6
Length handle, m	1.8 + 1.8	1.8 + 1.8
Energy	Manual	Petrol
Motor/engine	—	4-stroke Honda GX 25
Power, kW	—	0.72 at 7000 rpm
Vibration frequency, rpm	—	4000–7000
Centrifugal force, N	—	1100
Vibration value, m/s ²	—	3.2
Noise level, dB(A)	—	91

PART NUMBERS

	967 85 61-01	967 85 62-01
Extension handle	595 02 95-01	595 02 95-01

WALK-BEHIND SCREED	BV 30
Weight, drive unit, kg	14
Vibrating unit*	4-stroke Honda GX35
Power, kW	1.6 at 7000 rpm
Vibration frequency, rpm	2000–7400
Centrifugal force, N	3460
Vibration value, m/s ²	3.25
Noise level, dB(A)	108

PART NUMBERS

Without blade	967 85 63-01
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* The drive unit is delivered without screed blades (ordered separately).

BV 30 SCREED BLADE	1.8 M	2.4 M	3.0 M	3.6 M	4.2 M
Working width, m	1.8	2.4	3.0	3.6	4.2
Weight, kg	6.5	8	9.6	11.2	12.8

PART NUMBERS

	967 85 87-01	967 85 88-01	967 85 89-01	967 85 90-01	967 85 91-01
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HUSQVARNA BE/BD SYSTEM | DOUBLE BEAM SCREEDS

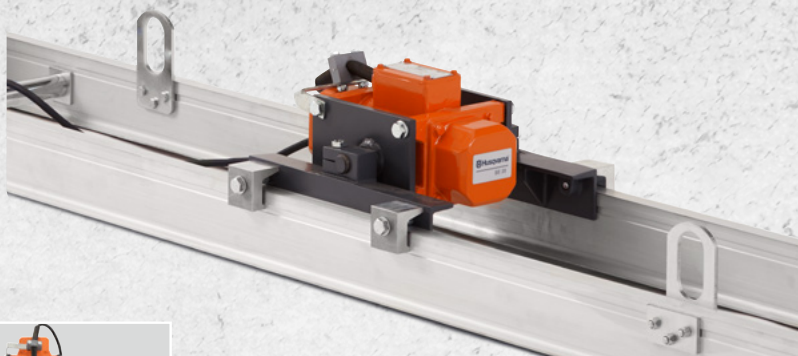
DOUBLE FUNCTIONS, TWICE THE EFFECT

The double beam screeds in the Husqvarna BE/BD system combine with a powerful BE drive unit to produce vibrations down to a thickness of 150 mm. With BD double beam lengths from 3.2 m to 6.2 m you can work on any medium to large flooring construction sites.

You can use the BD double beam screeds for both surface vibration and leveling by rotating the drive unit 90 degrees. The sturdy, yet lightweight aluminum design allows for easy handling and excellent balance to achieve even concrete floors.

COMPENSATE FOR NEGATIVE FLEXION

Tensioning rods allow the screeds to camber two percent from the centre.



SMART TWO-IN-ONE SOLUTION

Rotating the drive unit 90 degrees allows our double beams to be used for both surface vibration and levelling. This makes them a popular choice for finishing concrete floors.

HIGHLY DURABLE AND EASY TO MOVE

Lightweight, non-corrosive aluminium alloy makes for easy handling and transportation.

EASY CLEANING

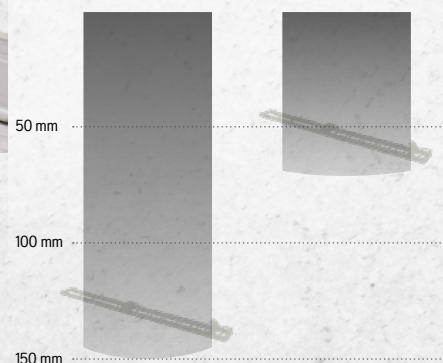
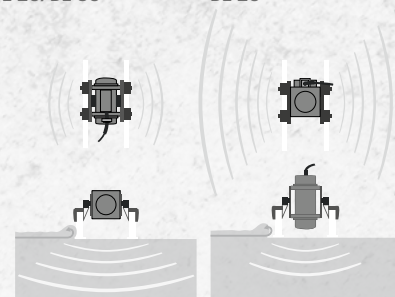
Parts exposed to wet concrete have smooth, easy-clean surfaces.

EFFICIENT VIBRATION

Our double screeds come with 100 mm profile height, producing vibrations down to a thickness of 150 mm. The lightweight profile enables a higher stroke, resulting in efficient work in different conditions.

BE 20/BE 30

BE 20



IN-DEPTH ACTION

On thin slabs up to 150 mm no vibration is needed beforehand.



DRIVE UNIT	BE 20	BE 30
Drive model	ER355	HONDA GX120 UT1 SXS4 SD – 4 stroke
Voltage, V-Hz	400 V–3–50 Hz	—
Power, kW	0.45	2.6 for 3,600 rpm
Current, A	0.8	—
Speed, r.p.m.	3	3,6
Direction of rotation	Both	Counterclockwise
Tank capacity, l	—	2
Starting	Phase inverter switch	Recoil Starter
Sound Pressure Lpa dB(A)	—	75.7
Sound Power Lw dB(A)	94	103.8
Total weight, kg	37	32

PART NUMBERS

967 95 64-01

967 94 12-02

DOUBLE BEAM SCREEDS	BD 32	BD 42	BD 52	BD 62
Height, mm	100	100	100	100
Length, m	3.2	4.2	5.2	6.2
Width, mm	400	400	400	400
Total weight, kg	32	41	47	57

PART NUMBERS

967 95 60-01

967 95 61-01

967 95 62-01

967 95 63-01



HUSQVARNA BT 90 AND SV SYSTEMS | MODULAR TRUSS SCREEDS

EFFICIENT LEVELING OF WIDE CONCRETE SURFACES

Our modular truss screed systems are engineered to handle your biggest challenges. Assemble, adjust camber and go to work on anything from floors to bridges. Husqvarna BT 90 truss screed system is engineered to handle concrete surfaces with a width of up to 25 metres.

Husqvarna SV series is a lightweight, easy-to-assemble truss screed system, ideal for large surfaces and medium to high slump concrete. Handles depths of up to 150 mm with a production rate of 1 meter/minute. Available in electric (SVE) and gasoline powered (SVG) versions.

BUILT-IN WINCHES

Winches equipped with 30 m of steel wire enable continuous screeding.

SMART DESIGN

A precision turn-buckle allows you to camber the screed sections independently.

HUSQVARNA BT 90

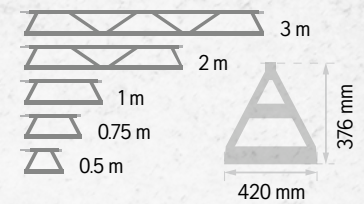
ENERGY

400 V



Petrol

MODULES



CONSISTENCY

Low to high slump

ADJUSTABLE CAMBER +/- 15°



Examples of possible surfaces:



SMOOTH POWER

Small rubber crosses create an angle of 2.5° between each section.

EASY SETUP

Can be easily assembled by a single operator. The truss screeds allow a working width of 20 m (BT 90 P: 25 m).

BUILT TO PERFORM

The low profile steel frame ensures durability, while the low centre of gravity provides stability in low slump concrete.



EVEN, CONTINUOUS PULL

Winches on both sides are equipped with 30 m of steel wire. This allows continuous work over longer distances.

HIGH PRODUCTIVITY

Once the selected rail system has been set-up, slabs can be made at a rate of 1 m per minute.

BT 90 MODULAR DRIVE SECTIONS	ELECTRIC	PETROL	PNEUMATIC
Powered by	400 V–3–50 Hz	—	3–6 bars
Input, kW	3	5 at 2900 r.p.m.	—
Minimum air flow, m³/m	—	—	0.26
Frequency, rpm	2865	2900	—
Working length, mm	560	560	355
Width x height, mm	545 x 1000	585 x 1000	610 x 970
Weight, kg	96	93	40

PART NUMBERS

967 94 11-02 967 94 11-03 967 94 11-08

MODULAR SCREEDS	SVE ELECTRIC	SVG PETROL
Engine	A.C motor	Honda GX 160
Voltage, V	400V–3–50Hz	—
Power, kW	2.2	4.1
Full load current, A	4.7	—
Speed, r.p.m.	2850	3200
Maximum screed length, m	25	25
Sound Pressure Lpa dB(A)	89	89
Sound Power Lw dB(A)	96	98
Weight, kg (including free end – 17 kg)	80	76

PART NUMBERS

967 95 57-01 967 95 58-01

BT 90 SCREED SECTION	0.5 M, ELECTRIC/PETROL	0.75 M, ELECTRIC/PETROL	1 M, ELECTRIC/PETROL	2 M, ELECTRIC/PETROL	3 M, ELECTRIC/PETROL	1 M, PNEUMATIC	2 M, PNEUMATIC	3 M, PNEUMATIC
Height, mm	376	376	376	376	376	376	376	376
Working length, mm	500	750	1000	2000	3000	1000	2000	3000
Total width, mm	420	420	420	420	420	420	420	420
Weight, kg	24	28	32	57	82	32	58	83

PART NUMBERS

967 94 11-04 967 94 11-16 967 94 11-05 967 94 11-06 967 94 11-07 967 94 11-09 967 94 11-10 967 94 11-11

SVE/SVG SCREED SECTION	0.5 M	0.75 M	1 M	2 M	3 M
Height, mm	515	515	515	515	—
Working length, mm	500	750	997	1998	2998
Total width, mm	380	380	380	380	380
Total weight, kg	19.4	20	21.2	38.4	55.4

PART NUMBERS

967 95 59-01 967 95 59-02 967 95 59-03 967 95 59-04 967 95 59-05



HUSQVARNA BG SERIES | CONCRETE SURFACING / WALK-BEHIND TROWELS

THE FAST AND SMOOTH WAY TO FINISH THE JOB

Husqvarna walk-behind trowels are powerful machines, developed to deliver a smooth and durable concrete surface without compromising the operator's productivity and safety. We offer a complete line of trowels including both electric and petrol-powered machines ranging from 615 mm to 1200 mm diameter. Husqvarna BG 245 G and BG 245 E are easy-to-carry trowels with safety features

to match their power and efficiency, allowing you to reach far into corners, close to walls and near other obstacles. Husqvarna BG 375 and BG 475 are high capacity trowels powered by reliable Honda engines. Husqvarna BG Combi is a versatile trowel with a two-speed electric motor providing blade speed at 60 and 120 rpm, which allows a smooth start and excellent finishing control.

HUSQVARNA BG 375

DURABLE IN EVERY DETAIL

Every single component in our trowels has been chosen for durability and efficiency.

ENJOY THE POWER

The vibration reduced and height adjustable handle is equipped with ergonomically assembled controls and smooth clutch engagement.

QUICKSTOP™

When you let go of the dead man's grip the trowel stops at once.

EASY TRANSPORTATION

Optional transportation wheels let you move rapidly between tasks.

TILT WITH EASE

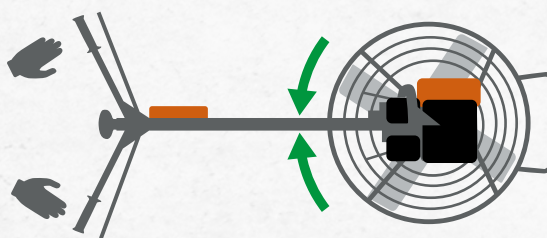
The maintenance stand facilitates service, blade changing and cleaning. A single lifting eye makes transport easy.

QUICKSTOP™

IMMEDIATE HALT OF ROTATING TOOL – STOP MEANS STOP

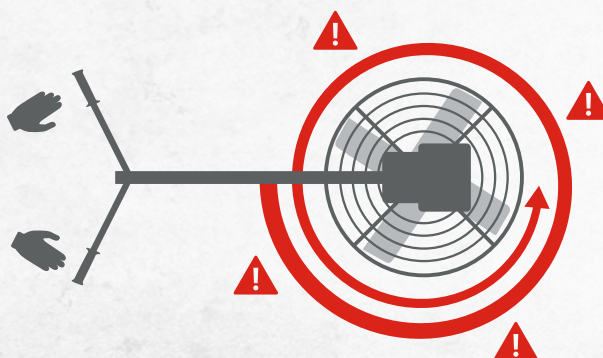
Our trowels stop immediately when you let go of the handle. QUICKSTOP™ disengages the drive train from the powertrain, which makes rotation impossible.

FOR YOUR SAFETY



CENTRIFUGAL CLUTCH – ROTATES BEFORE STOPPING

Conventional trowels often use a centrifugal clutch, which allows the handle to continue the rotation up to 540° after releasing the dead man's grip, or even more if the safety devices are broken.



QUICKSTOP™

The dead man's handle is easily reached from any position. And once you let go, rotation stops immediately thanks to the QUICKSTOP™ function.

LONG WORKING LIFE

The gearbox is high quality, the design is sturdy and all vital parts are well protected.

SAVE TIME

The carrying handle makes transportation and maintenance easier.

TWO MACHINES IN ONE

Thanks to quick change of blade cover size and quick release fastening, you can switch trowel diameters between 850, 915 and 1020 mm.

NO EXHAUSTS

Husqvarna BG 245 E and BG Combi feature electric motors, which make them ideal for use on indoor worksites.

PROTECTIVE MEANS

The rotative protection ring features a rubber edge, making it easy to use in confined places without damaging walls or other obstacles.

HUSQVARNA BG COMBI



HUSQVARNA BG 245



POWER TROWELS	BG 475	BG 375			BG 245	
Model code	H9 L BC TP	H9 L BC TP	H6 L BC TP	H5 F BC TP	H4 F BC TP	E F TP
Protection ring (Ø), mm	1200	950	950	950	615	615
Operating weight, kg	105	102	93	87	60	60
Blade diameter, mm	1140	900	900	900	600	600
Disc diameter, mm	—	945	945	945	610	610
Floating blade (Ø), mm	1160	945	945	945	—	—
Blade speed, rpm	40–115	40–115	40–115	40–115	40–115	120
Number of blades	4	4	4	4	4	4
Type of handle	Long Foldable	Long Foldable	Long Foldable	Foldable Vibro-reduced	Short foldable	Short foldable
Clutch type	Belt Clutch	Belt Clutch	Belt Clutch	Belt Clutch	Belt Clutch	—
Blade arm type	Bolt-on	Quick Release/Bolt-on	Quick Release/Bolt-on	Quick Release/Bolt-on	Bolt-on	Bolt-on
Honda engine	GX270	GX270	GX200	GX160	GX120	—
Power, kW (hp) @ 3600 rpm	6.3 (8.4)	6.3 (8.4)	4.3 (5.8)	3.6 (4.8)	2.6 (3.5)	1.5 (input)
Voltage	—	—	—	—	—	230 V–1–50 Hz
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol	Electric
Fuel tank capacity, l	5.3	5.3	3.1	3.1	2.5	—
Vibration value, m/s ²	3.5	3.5	3.5	3.5	6.2	3.7
Sound power level, guaranteed, LWA dB(A)	104	106	106	106	100	104
Sound pressure level at operator's position, LpA dB(A)	92	92	92	92	84	86
PART NUMBERS						
	967 92 92-01	967 92 91-01	967 92 90-01	967 92 89-01	967 92 88-01	967 92 93-01

TROWEL BLADES AND FLOATING DISCS	PRODUCT NUMBER	TYPE	MATERIAL	THICKNESS, MM
BG 475 – PRO LINE				
Floating blades	594 20 78-01	Bolt-On	Steel	3.0
Finishing blades	594 86 71-01	Bolt-On	Steel	1.6
Combination blades	594 86 70-01	Bolt-On	Steel	1.6
Finishing blades	594 86 74-01	Bolt-On	Steel	10.0
BG 475 – CLASSIC LINE				
Finishing blades	594 19 86-01	Bolt-On	Steel	1.5
Combination blades	596 46 55-01	Bolt-On	Steel	1.5
BG 375 – PRO LINE				
Floating disc	594 24 36-01	Slide-On Finishing Blades	Steel	3.0
Floating blades	594 19 83-01	Quick-Release	Steel	3.0
Finishing blades	594 22 76-01	Quick-Release	Steel	1.6
Combination blades	594 86 69-01	Quick-Release	Steel	1.6
Finishing blades	594 86 73-01	Bolt-On	Plastic	10.0
BG 375 – CLASSIC LINE				
Floating disc	594 24 02-01	Slide-On Finishing Blades	Steel	2.5
Finishing blades	594 71 11-01	Bolt-On	Steel	1.6
Combination blades	594 86 68-01	Bolt-On	Steel	1.6
BG 245 – PRO LINE				
Floating disc	594 24 40-01	Slide-On Finishing Blades	Steel	2.5
Combination blades	594 70 99-01	Bolt-On	Steel	1.6
Finishing blades	594 86 72-01	Bolt-On	Plastic	10.0
BG 245 – CLASSIC LINE				
Floating disc	595 07 12-01	Slide-On Finishing Blades	Steel	2.0
Combination blades	594 86 67-01	Bolt-On	Steel	1.5
BG COMBI – PRO LINE				
Floating blades	594 19 83-01	Quick-Release	Steel	3.0
Finishing blades	594 22 76-01	Quick-Release	Steel	1.6
Combination blades	594 86 69-01	Bolt-On	Steel	1.6
Finishing blades	594 86 73-01	Bolt-On	Plastic	10.0
BG COMBI – CLASSIC LINE				
Floating disc	594 24 10-01	Slide-On Finishing Blades	Steel	2.5
Floating disc	594 24 36-01	Slide-On Finishing Blades	Steel	3.0
Floating disc	594 24 12-01	Slide-On Finishing Blades	Steel	2.5

ACCESSORIES	
BG 475 and BG 375 wheel kit	594 75 15-01
BG 245 wheel kit	596 19 23-01

COMBI TROWELS	BG COMBI	BG COMBI
Model code	E-L-TP	E-L-TP
Protection ring (Ø), mm	1020	850
Operating weight, kg	88	86
Blade diameter, mm	850/915/980	850/915/980
Disc (Ø), mm	865/965/1015	865/965/1015
Blade speed, rpm	60/120	60/120
Number of blades	4	4
Type of handle	Long	Long
Pitch control	Twist-Pitch	Twist-Pitch
Lifting hook	Standard	Standard
Transport wheels	Standard	Standard
Blade arm type	Quick Release	Quick Release
Engine	400V–3–50/60 Hz	400V–3–50/60 Hz
Input power. Low/high speed, kW	1.6 / 2.4	1.6 / 2.4
Vibration value, m/s ²	1.4	1.4
Sound power, guaranteed, LWA dB(A)	94	94
Sound pressure at operators ear, LpA dB(A)	77	77

PART NUMBERS		
	967 92 95-01	967 92 94-01



SOFF-CUT 4200

SOFF-CUT 4000

SOFF-CUT 2000

SOFF-CUT 150

HUSQVARNA ULTRA EARLY ENTRY™ SAW | SOFF-CUT

CUT ULTRA-EARLY FOR STRAIGHT LINES – DON'T WAIT FOR RANDOM CRACKS

Husqvarna Soff-Cut is ideal for the ultra-early sawing of contraction joints after pouring concrete slabs. The system is designed to minimize the risk of random cracks – one of the most costly and aggravating problems faced by concrete contractors. The main benefits are the high

production rates, the ability to pour and cut concrete on the same day, and of course, the tidy end result achieved by only cutting shallow depths.

STRAIGHT CUT

The foldable front guide makes it easy to follow a straight line for the cut.

STURDY PROTECTION

The high-strength, lightweight aluminium frame protects the engine.

LESS NOISE AND DUST

The blade block enclosure reduces noise while the created dust can optionally be vacuumed directly through the VAC port.

NO CHIPPING AND SPALLING

Up-cut rotating diamond blade, anti ravel skid plate and arbor allows for same-day sawing.

MINIMAL FOOTPRINT

Smart design, lightweight frame and wide wheels ensure minimal machine footprint on the concrete.

ULTRA EARLY ENTRY™ SAW*	SOFF-CUT 4200	SOFF-CUT 4000	SOFF-CUT 2000	SOFF-CUT 150
Engine manufacturer	Kohler	Kohler	Kohler	Kohler
Max power, kW**	17.2	14.9	6.5	4.0
Max blade diameter, mm	350	350	250	150
Max depth of cut, mm	76	70	38	30
Weight, kg	257	191	144	40
CE certified	—	Yes	Yes	Yes
ACCESSORIES				
Vac attachment cover	589 94 90-01	—	—	589 94 90-01
PART NUMBERS				
	966 84 56-05	966 84 55-06	966 84 53-04	966 84 48-16

* With VAC port. ** As rated by the engine manufacturer.



	XL14			XL10			XL6		
BLADE	2000	3000	5000	2000	3000	5000	2000	3000	5000
MATERIAL									
Very hard to hard aggregate concrete	● ● ●	—	—	● ● ●	—	—	● ● ●	—	—
Hard to medium-hard aggregate concrete	—	● ● ●	—	—	● ● ●	—	—	● ● ●	—
Soft to very soft aggregate concrete	—	—	● ● ●	—	—	● ● ●	—	—	● ● ●
RECOMMENDED EQUIPMENT									
	SC 4200, SC 4000			SC 2000e			SC 150		

● ● ● = Optimal ● ● = Good ● = Acceptable — = Not recommended

Husqvarna XL14/XL10/XL6.

PRODUCT NUMBER	NAME	DIAMETER, MM	SEGMENT SHAPE	SEGMENT LENGTH, MM	SEGMENT THICKNESS, MM	SEGMENT HEIGHT, MM	NUMBER OF SEGMENTS	BORE
XL14								
542 75 61-13	XL14-2000	350	Flat	40	3.2	9 + 2.5	24	Soff-Cut Triangular
542 75 61-14	XL14-3000	350	Flat	40	3.2	9 + 2.5	24	Soff-Cut Triangular
542 75 61-16	XL14-5000	350	Flat	40	3.2	9 + 2.5	24	Soff-Cut Triangular
XL10								
542 75 61-01	XL10-2000	250	Flat	40	2.6	9 + 2.5	17	Soff-Cut Triangular
542 75 61-02	XL10-3000	250	Flat	40	2.6	9 + 2.5	17	Soff-Cut Triangular
542 75 61-04	XL10-5000	250	Flat	40	2.6	9 + 2.5	17	Soff-Cut Triangular
XL6								
542 77 70-06	XL6-2000	150	Flat	32	2.6	8 + 1.5	12	Soff-Cut Triangular
542 77 70-07	XL6-3000	150	Flat	32	2.6	8 + 1.5	12	Soff-Cut Triangular
542 77 70-09	XL6-5000	150	Flat	32	2.6	8 + 1.5	12	Soff-Cut Triangular

Additional blades on request.

HOW TO SUCCEED WITH YOUR APPLICATIONS

CONCRETE VIBRATION

It is important to vibrate freshly poured concrete. The vibrations make the concrete fill out into all hollows of the construction. The process also evacuates air bubbles, optimizes the spread of the aggregate and maximizes cohesion of the cement mix and the rebar. This results in a resistant, long-lasting concrete with the correct calculated strength.

How to succeed with concrete vibration.



DON'T WAIT

Begin vibration when concrete is being poured. Start where the concrete has first been poured. Then follow the concrete as it is poured, vibrating all the way.



VIBRATE JUST ENOUGH

Stop when the surface becomes shiny or if a large bubble pops up near the vibrator. Don't over-vibrate as this is just as harmful as under vibration or non-vibration.



APPLY IN THE RIGHT ANGLE

Apply the vibrator vertically at an angle of 90 degrees. Never below 45 degrees.

Some helpful tips before vibration.

▶ PLAN THE VIBRATION

Calculate the dip intervals. More power and a larger diameter on the vibrator results in fewer dips, which means higher productivity.

▶ LUBRICATE THE HOSE

Before starting with the vibration, spray specific shutter plate oil on the vibrator hose. This will help stop concrete sticking to the hose, making it easier to clean afterwards.

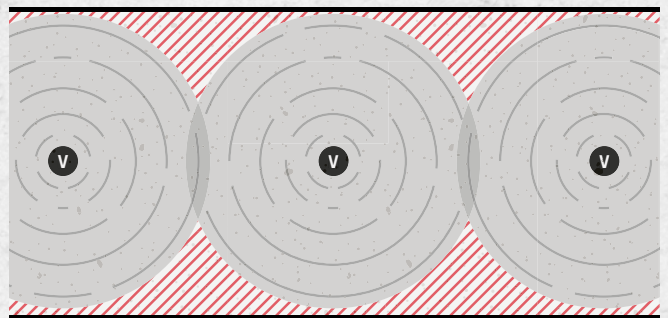
▶ ENSURE CONSISTENT POWER SUPPLY

Electric current should never vary more than $\pm 10\%$ as this will affect productivity and the life of the vibrator.

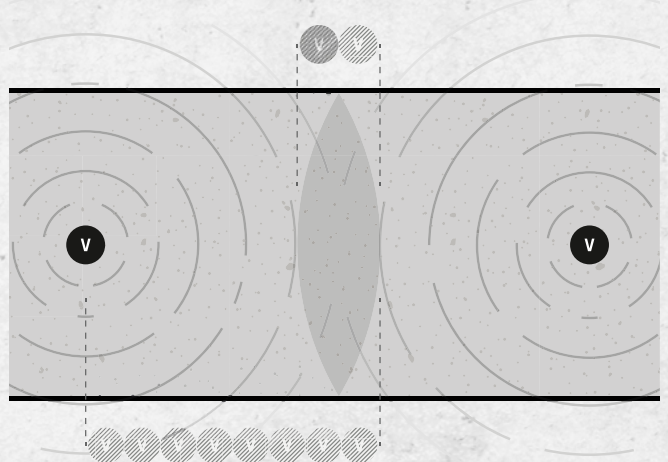
Choose the right size.



The wrong vibrator size and/or placement will result in non-vibrated areas.



Proper vibrator size and placement ensures the entire slab gets vibrated. Optimal vibrator overlap is $2 \times$ vibrator diameter.

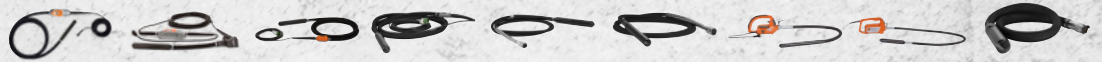


Radius of action is $8-12 \times$ vibrator diameter, depending on vibrator.

How to choose the right type of vibrator for your project.









01 Consider the type of application.

●●● = Optimal ●● = Good ● = Acceptable — = Not recommended

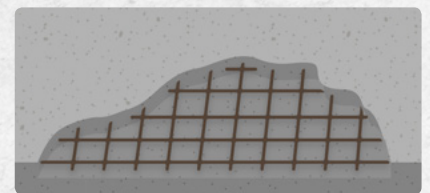


VIBRATOR	SMART	SMART-E	AX	VIBRASTAR	AA	AZ	AME 600	AME 1600	AY
ENERGY	HIGH FREQUENCY ELECTRIC				MECHANICAL		MODULAR FLEX-SHAFT		PNEUMATIC
Columns	●●●	—	●●●	●●●	●●	●●	●●	●●	●●●
Beams	●●●	●●	●●●	●●●	●●	●●	●●	●●	●●●
Walls	●●●	—	●●●	●●●	●●	●●	●●	●●	●●●
Floors	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
Bridges	●●●	—	●●●	—	●	—	—	●●	●●●
Tunnels	●●●	●	●●●	—	—	—	—	—	●●●
Foundations	●●●	—	●●●	—	—	—	—	●●	●●●
Retainings walls	●●●	—	●●●	●●	●●	●●	●●	●●	●●●
Car parks	●●●	●●	●●●	—	●●●	●●●	●●●	●●●	●●●
Structures	●●●	●●	●●●	●●	●●	●●	●●	●●	●●●
Harbours	●●●	—	●●●	—	●●	—	—	●●	●●●
Dams	●●●	●	●●●	—	—	—	—	—	●●●
Precast form	●●●	●●●	●●●	●	●●	—	—	●●	●●●
Slip form	●●●	●●●	●●●	●	—	—	—	—	●
Pre-slab	●●●	●●●	●●●	●	—	—	—	—	●

02 Consider the power supply available.

ENERGY	LARGE JOBS	MEDIUM JOBS
		
ELECTRIC	CF & AX/VIBRASTAR OR SMART/SMART-E	AME 1600 & AT & SUPERFLEX OR AME 600 & HA
		
PETROL	CFG/CFD & AX/VIBRASTAR	AMG 3200/AMD 3000 & AA/AZ
		
PNEUMATIC	AY	

03 Consider the rebars.



To define the optimal diameter of the vibrator, consider the distance between the rebars. The distance between rebars must be large enough for your vibrator.

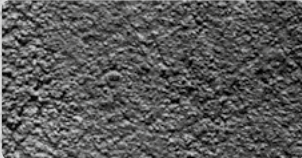

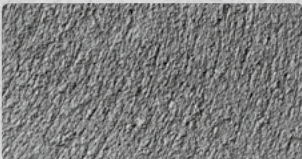



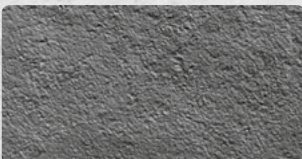



04 To choose the optimal radius of action, consider the area of the slab and the slump of the concrete.



VIBRATOR	SMART	SMART-E	AX	VIBRASTAR	AA	AZ	AME 600	AME 1600	AY
RADIUS OF ACTION	12×vibrator Ø	12×vibrator Ø	10×vibrator Ø	8×vibrator Ø	8×vibrator Ø	10×vibrator Ø	8×vibrator Ø	10×vibrator Ø	10×vibrator Ø
Slump S 5 >220 mm	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
Slump S 4 210–160 mm	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
Slump S 3 150–100 mm	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
Slump S 2 90–50 mm	●●●	●●●	●●●	●	●●●	●	●	●	●●●
Slump S 1 40–10 mm	●●●	●●●	●	—	●	—	—	—	●●●

CONCRETE LEVELING AND SURFACING

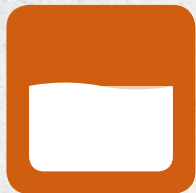
Leveling ensures every part of the newly poured concrete slab achieves the desired level. Surfacing ensures the finish of the slab suits its intended purpose.

SURFACE	PRODUCTS
	
SCREEDED SURFACE (ROUGH)	
	
FLOATED SURFACE (ROUGH)	 OR 
	
STEEL TROWELLED SURFACE (SMOOTH)	 OR 

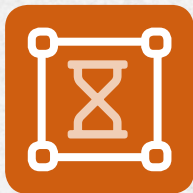
SCREEDS

Screeds are used for leveling a slab and vibrating thinner slabs. For slabs thicker than the screed's vibration depth, use a vibrator.

Consider the following factors when choosing suitable screeding equipment.



Desired levelness
or flatness of floor



Area to cover and
time available



Available power
supply



Type of slump











Thickness of the
concrete layer

How to succeed with screeding.

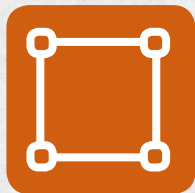
- ▶ Make sure the pouring process is carried out seamlessly, and that you have enough concrete to cover the entire area.
- ▶ Remove the excess concrete with a rake before screeding to ensure optimal flatness.
- ▶ Never step on a slab that has already been screeded.

TROWELS

Trowels are used to finish a concrete floor. They use pressure to make the surface flatter and smoother.

ENERGY	EDGING Ø 600 mm	MEDIUM SIZE FLOORS Ø 850 mm	LARGE SIZE FLOORS Ø 1200 mm
			
PETROL	BG 245	BG 375	BG 475
			
ELECTRIC	BG 245 E	BG COMBI	BG COMBI

Consider the following factors when choosing troweling equipment.



Area to cover



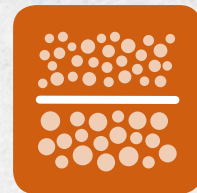
Usage of discs
or blades



Type of slump



Available power
supply



Size of the
aggregate

How to succeed with troweling.

- ▶ Begin slowly. When concrete is fresh, it is fragile. If you go too fast, you may flush concrete away and create holes. Increase your speed as the concrete is curing.
- ▶ For the first 1–3 passes, use floating discs or floating blades.
- ▶ If you require a smoother surface, continue with finishing blades or combination blades.
- ▶ Choose blades made from the right material. Steel and carbon blades are flexible and last longer, but may alter the colour of the concrete. If colour is important, e.g. when colour pigments are being used, use plastic blades.
- ▶ High ambient temperatures cause concrete to dry quicker. So, if it is hot outside, the amount of time you have to trowel the concrete is reduced.



CONTRACTION JOINT SAWING

As the concrete slab hydrates and begins to set, it develops internal stresses. These stresses need to be relieved in a controlled way before they seek their own relief in the form of a random crack. By cutting control joints as a final step of the finishing process, you create a pattern of predetermined weakened planes in the concrete, that subsequently crack at the bottom of the cuts.

The Ultra Early Entry™ solution.

The Husqvarna Soff-Cut® system is the optimal way to control random cracking. With ultra-early entry cutting you can control cracking in slabs up to 225 mm thick, with only a 25 mm minimum depth, within the green zone (1–2 hours after pouring).

How to succeed with Husqvarna Soff-Cut®.

- ▶ Start sawing as soon as you're sure the concrete will support the weight of the saw and operator without marking or damaging the concrete. You don't have a lot of time.
- ▶ Determine the layout of the joints in advance. Ensure straight cuts by drawing guidelines on the surface to follow.
- ▶ If possible, start the job with a new, unused Husqvarna XL Series dry-cutting diamond blade and anti-ravel skid plate.

Consider the following factors when choosing your Soff-Cut machine.



Desired levelness
or flatness of floor



Area to cover and
time available



Available power
supply

MAX
CUTTING
DEPTH



SOFF-CUT 4200



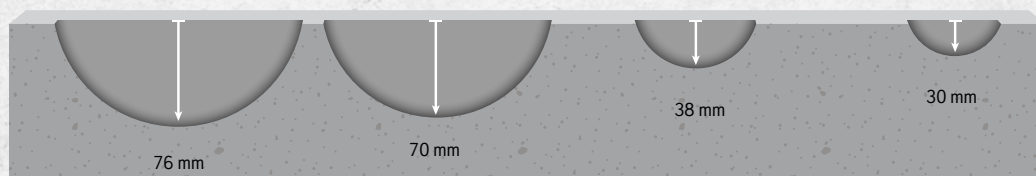
SOFF-CUT 4000



SOFF-CUT 2000



SOFF-CUT 150



AREA

> 2000 m²

> 2000 m²

1000 – 2000 m²

< 1000 m²

SPEED

6–9 m/min

6–9 m/min

4.6–7.6 m/min

2–3 m/min



The minimum depth of the contraction joint should be 1/8 of the slab's thickness and no less than 25 mm.





HUSQVARNA EXPERTS AT YOUR SERVICE

All concrete equipment from Husqvarna should be easy to use, but also easy to buy, own, service and repair – that's the main idea behind our service concept. At our service centers you'll meet dedicated, highly skilled personnel – experts on Husqvarna concrete equipment.

They know that fast and correct service and repair of the equipment is essential for professional users. To ensure a seamless service process, all authorised Husqvarna service and parts personnel have access to an on-line Service Tool, which supports all service and repair functions, enabling shorter lead times and higher service quality.



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