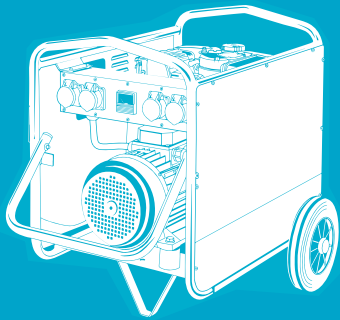


CONCRETE VIBRATION EQUIPMENT

Amplify your talent



Atlas Copco





WHERE *QUALITY* BEGINS

Bring your talent and knowledge. We'll provide the tools that makes your concrete strong, all the way through.

Creating quality all comes down to listening to people who know about their work, about the material and the equipment. We have been listening to talented people for the last 50 years. Now we are listening to you. We know that you need reliable

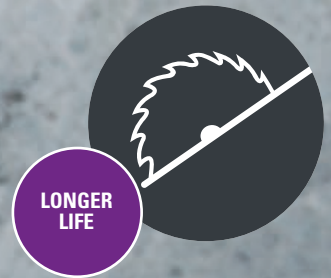
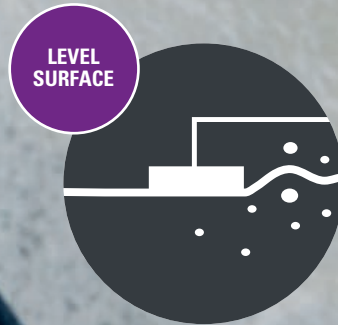
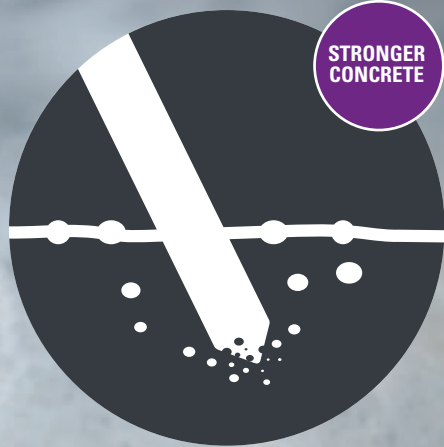
tools, because with concrete there is no room for errors. Reliability also means more work done in shorter time. To put it simple, our tools get the work done in time and on money. Safety is all-important to you, which means it is everything to us.

And it's there, from the first line on the drawing board to the delivery of a finished product.

So now that you know what gives us good vibrations, let's talk business.

THE QUALITY PROCESS

Read more about it on page 5-6.



AMPLIFY YOUR TALENT

This guide helps you find the right tool for the right task – tools that help you deliver in every step of the way.

The basic principle of internal vibration is of course to get air and moisture out in order to increase density and settle the concrete in the form. Different equipment is required depending on the consistency of the concrete and the size and shape of

the form. Conditions on the work site also play a part. For example, is there access to electrical power or an air compressor?

We've put together a guide to help you select the right type and size of

poker. We're also happy to share our concrete vibration know-how with you. After all, we've been in this business for some 50 years.



THIS IS QUALITY

We want your creations to last for a very long time. This is how to do it.

THE QUALITY PROCESS



STRONGER CONCRETE

STEP 1: REMOVE AIR WITH VIBRATIONS

Vibration helps you remove the air voids from freshly poured concrete. It increases the density and makes the finished concrete stronger. Depending on the depth and slump of the concrete, you can accomplish it with a poker, screed or external vibrator. We offer a wide range of high performance pokers and external vibrators. You can find them all in this brochure.



LEVEL SURFACE

STEP 2: LEVELING AND VIBRATION IN ONE

In most situations you have to level the concrete to create an even surface. One or two screeding passes with a surface vibrator alone is often enough on single reinforced slabs. We offer screeds with both surface and depth vibration that can handle both big and small challenges.



SMOOTHER CONCRETE

STEP 3: SMOOTHER MEANS HARDER

Once the concrete reaches a plastic state, several hours after pouring, power trowels are used to remove irregularities from the screeded surface. The trowels also create a smooth finish that further strengthens the concrete. Our trowels can handle the entire process, from power-floating to troweling.

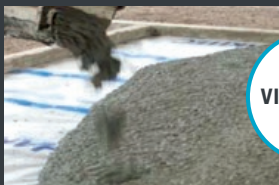


LONGER LIFE

STEP 4: CUTTING CONTROLS CRACKS

After the concrete is dry, the final step is to cut expansion joints to control where the concrete will crack as the soil underneath expands and contracts. Our cutting saws offer a maximum cutting depth of 195 mm. They can also be used in asphalt cutting for road maintenance.

KNOW YOUR CONCRETE



VIBRATING

When the concrete is first poured into the form it is rough and contains air voids.



Now the concrete has been vibrated with a poker and the air voids have been removed.

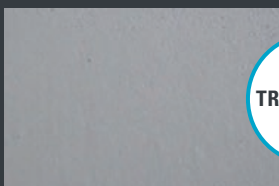


LEVELING

Most air voids are now filled, but the concrete is still rough from pouring and internal vibration.

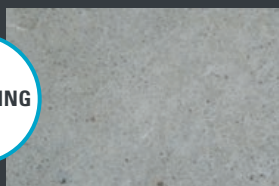


A screed levels the concrete. Selected screed models vibrate the concrete to a depth of 200 mm.

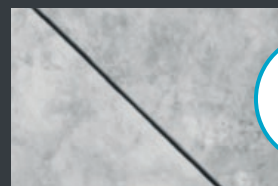


TROWELING

The concrete is now rough, but level and free of air voids.

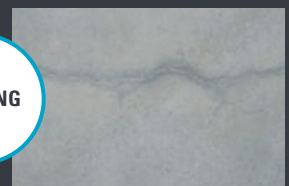


With a power trowel you add both finish and strength.



CUTTING

With cutting: The cracks are controlled, because the concrete has been cut with a floor saw to allow for expansion and contraction.



Without cutting: The concrete is subject to substantial, uncontrolled cracking.

PICK YOUR POKER

There is a poker for every occasion. This guide helps you find the right tool for the right task.



Electric pokers



Pneumatic pokers



Mechanical pokers

Applications	Vibrastar	AX	Smart	AX-E Smart-E	AY	AZ	AA	AME 600	AME 1500
Concrete types									
Low slump	-	●	●	●	●	-	●	●	●
Medium slump	●	●	●	●	●	●	●	●	●
High slump	●	●	●	●	●	●	●	●	●
Construction									
Columns	●	●	●	-	●	-	●	●	●
Beams	●	●	●	●	●	●	●	●	●
Wall sections	●	●	●	-	●	-	●	●	●
Floor slabs	●	●	●	●	●	●	●	●	●
Infrastructure									
Bridges	-	●	●	●	●	-	●	-	●
Retaining walls	-	●	●	●	●	-	●	-	●
Structural support	-	●	●	●	●	-	●	-	●
Foundations	●	●	●	●	●	-	-	-	-
Dam	-	●	-	-	●	-	-	-	-
Concrete forms									
Precast	●	●	●	●	●	●	●	●	●
Slip Form	-	●	●	●	●	●	-	-	●
Pre-slab	-	●	●	●	●	●	-	●	●

● Suitable ● Less suitable - Unsuitable

APPLICATION AND RECOMMENDED POKER SIZES

■ Diameter
■ Theoretical vibration capacity



Piles and columns

Columns, thin beams, thin wall sections, low volume jobs, areas with high concentrations of reinforcement.

■ ø 25–35 mm
■ 1.5–6 m³/h



Girders and beams

Floor slabs, beams, low volume foundations. Particularly useful for edge vibration of slabs before screeding. Small enough to be easily handled and manoeuvred around site.

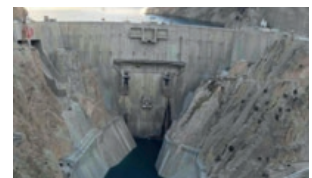
■ ø 35–45 mm
■ 6–10 m³/h



Deck

Mass concrete pours, bridges, retaining walls, structural supports, floor slabs, foundations. A good size for a variety of civil engineering tasks.

■ ø 45–75 mm
■ 10–35 m³/h



Concrete forms

Footings and foundations, high volume pours, back filling.

■ ø 75–155 mm
■ 20–45 m³/h

GO ELECTRIC

Zero refueling, low hand/arm vibrations and rapid acceleration. If you've got the power, use it.

To put it simple: You get the job done faster with electrical pokers. Power, speed and high centrifugal force provide a wide radius of action. Rapid acceleration help force out air voids in the concrete.

Both the Smart series and AX offer short set-up time, which means you get more done in shorter time. Cables give great reach and with electric pokers you won't have to pay for fuel or refueling downtime. And forget shafts that need periodic

maintenance. The electric motor-in-head solution helps keep vibrations where they belong – in the concrete rather than in your hands and arms. The "E" pistol grip handle reduces hand/arm vibration even further.

Both Smart and AX have features that makes work safer. For instance, the AX poker runs at low voltage, which reduces the risk of electric shock. The Smart series is protected against overload and overheating.

Finally, don't forget our supply service kits that help protect your investment.

They save you money in the long run.

TOOLS FOR PEAK PERFORMANCE

NO FUMES

Healthier workplace

Less noise and stable green power.



GREAT ERGONOMICS

Enjoy!

Electric motor in head and "E" pistol grip handle help reduce hand/arm vibration.



PLUG AND POKE

It's easy

The built in frequency converter in the Smart-series lets you use a regular wall socket.

LONG LIFE

You deserve the best

Our tools are only made of top quality materials and components.



SAVE MINUTES NOT SECONDS

Plug in, poke on and get it done. The Smart-series and AX-series are pokers that are easy to handle and works in any condition.



They're light and maneuverable, easy to use and powered for the toughest jobs. Just plug it in and get to work.

A regular wall socket is all you need to power the poker, thanks to the built-in frequency converter. The electric motor-in-head design provides the poker head with outstanding performance, high power and stable speed. Rapid acceleration helps minimize air voids within the

concrete and transport them to the surface. Quality components and service-friendly design keep your product lifetime costs down. Smart E-pokers feature vibration-reduced pistol grip handles.



The AX series is a good alternative for medium to high-slump concrete.

Powerful and fast, yet with a lower absorbed intensity that requires smaller converters.

AX heads have a compact design thanks to bolt-on eccentric weights. The helical rotor reduces the risk of rpm-losses, while a 10x radius of action and rapid acceleration provide a high level of productivity. AX-E features vibration reduced pistol grip handles.

Smart/Smart-E pokers		40	48	56	65	E28*	E40*	E48*	E56*
Tube diameter	mm	40	48	56	65	28/40	40	48	56
Tube length	mm	320	350	380	410	239/211	320	350	380
Hose length	m	5	5	5	5	0.5	0.5	0.5	0.5
Cable length	m	15	15	15	15	15	15	15	15
Frequency	vpm	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Primary voltage	V ±10%	115V-1-50/60 Hz or 230V-1-50/60 Hz				115V-1-50/60 Hz or 230V-1-50/60 Hz			
Converter dimensions L x W x H	mm	300 x 100 x 80				300 x 100 x 80			
Vibration value	m/s ²	3.81	2.47	5.87	4.62	0.6	0.6	0.55	0.53
Noise level	dB(A)	75	80	83	88	85	75	80	83
Part number: 230V-1-50/60Hz		4812 0508 52	4812 0508 53	4812 0508 54	4812 0508 55	4812 0508 62	4812 0508 63	4812 0508 64	4812 0508 65
Part number: 115V-1-50/60Hz	UK	4812 0508 56	4812 0508 57	4812 0508 58	-	-	4812 0513 12	4812 0513 13	4812 0513 14
Part number: 115V-1-50/60Hz	US/CAN	4812 0508 59	4812 0508 60	4812 0508 61	-	-	-	-	-

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1207 01) at www.acprintshop.com *E reduced vibration handle.

AX/AXE pokers		AX36	AX40	AX48	AX56	AX65	AX90	AX28E*	AX40E*	AX48E*	AX56E*
Tube diameter	mm	36	40	48	56	65	90	28/40	40	48	56
Tube length	mm	322	320	350	380	410	566	239/211	320	350	380
Tube weight	kg	2.1	2.1	4.1	5.1	7.7	18	2.4	2.1	4.1	5.1
Cable length	m	10	10	10	10	10	3	10	10	10	10
Hose length	m	5	5	5	5	5	5	0.5	0.5	0.5	0.5
Frequency	vpm	12,000	12,000	12,000	12,000	12,000	6,000	12,000	12,000	12,000	12,000
Ampere at 42 V	A	6.2	4.5	10	11.7	19	21	4	4.5	10	11.5
Voltage	V	42V-3-200 Hz						42V-3-200 Hz			
Vibration value	m/s ²	3.81	3.81	3.53	3.66	4.62	5.06	0.6	0.6	0.55	0.53
Noise level	dB(A)	70	78	76	79	79	76	85	75	80	83
Part number		4812 0508 27	4812 0508 28	4812 0508 29	4812 0508 30	4812 0508 31	4812 0508 79	4812 0508 44	4812 0508 40	4812 0508 41	4812 0508 42
Safety and Operating Instruction		9800 1175 01	9800 1175 01	9800 1175 01	9800 1175 01	9800 1175 01	9800 117301	9800 117301	9800 1175 01	9800 1175 01	9800 1175 01

Important: More detailed technical specifications are available in the product Safety and Operating Instructions at www.acprintshop.com *AXE reduced vibration handle.

Smart 40 Plug and poke

**GREAT
ERGONOMICS**

Vibration reduction

Smart-E pokers features pistol grip handles that reduce hand/arm vibration.

Work faster

High centrifugal force, stable speed and high amplitude contribute to good concrete vibration with fewer dips.

Easy handling

15 meters of cable + 5 meters of hose give exceptional reach around the worksite. The overall design is also very service friendly.



Built-in electronics

All electronics are built-in into the streamlined aluminum box with one push ON/OFF button.

Think safety

The built-in converter is well protected against shock, overload and overheating.

SAVE TIME

Plug and poke

Any regular single-phase wall socket with the appropriate voltage will suffice as power source. Just plug in and start work straight away.



AX40 Share the power

Share the power

Electric pokers are especially convenient to use when several diameters are required at the same work site, since one frequency converter can run up to 4 pokers.



SAVE TIME

Reach further

Up to 20 m extension cord is available as an option, see page 11 for more information.



VERSATILE

Operator friendly

An easy-to-operate, robust aluminum toggle switch is standard. AX-E features vibration-reduced pistol grip handles.



Multifunctional

There's an AX poker for almost any application. From high to low slump concrete, from thin beams to extensive foundations.

MORE VIBRATION LESS SERVICE

Lots of uptime and user friendly. That's a great summary of our Vibrastar pokers.

The Vibrastar is a reliable and robust poker designed for medium to high slump concrete. Thanks to our newly developed stators and rotors the Vibrastar is great at both conserving energy and providing effective concrete vibration. The design also means reliable start-ups.

An easy-to-use aluminum switchbox offers one-hand operation and

reduced hand/arm vibration. That means you'll be able to work longer without getting tired. And thanks to dual fiber layers in the hose and oil lubricated bearings in the poker, you get improved durability without the need for periodic maintenance. As for maintenance, our service-friendly design makes it really easy for you to replace bearings.



Safe operation

The thermo-switch protects the poker from overheating.

Easy operation

Easy, one-hand operation of the lightweight aluminum switchbox.

SAVE TIME & MONEY

Service friendly

No periodic maintenance required. Bearings are easily replaced and oil level can be read on a mark in the poker head.

Flexible

Both hose and cable feature excellent resistance, traction and bending qualities.

GREAT ERGONOMICS

Effective

The electric motor is very efficient thanks to its ultra-modern stator and rotor. Hand/arm vibration is also reduced thanks to the new design. Low voltage reduces the risk of electric shock.



Vibrastar		40	50	60
Tube diameter	mm	40	50	60
Tube length	mm	255	284	330
Tube weight	kg	1.84	3.06	5.1
Cable length	m	10	10	10
Hose length	m	5	5	5
Frequency	vpm	12,000	12,000	12,000
Ampere at 42V	A	4	8	11
Vibration value	m/s ²	1.8	3.28	3.23
Sound level	dB(A)	75	76	84
Part number		4812 0508 49	4812 0508 50	4812 0508 51

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1181 01) at www.acprintshop.com



POWER TO THE PEOPLE

Let power follow wherever the jobs take you.

Electric frequency converters and engine driven generators have several advantages. To begin with they can supply several pokers with power simultaneously. The electric rotary frequency converters come with 1, 2 or 4 outlets and our generators are available with 2, 3 or 4 outlets. Robust construction and splash protection prolong lifetime.



Go for engine driven generators when working in remote locations and when you need high centrifugal force.

Our diesel and petrol versions supply from 25 A to 67 A.

A voltmeter that controls the generator's working condition comes as standard on all models.



With access to electricity, go for our electric frequency converters. No fumes, less noise and lower weight are great, as well as stable power output. We offer rotary frequency converters with rated amperage from 11 A to 67 A, and fitted with steel

frames curved upwards at each end to facilitate hand portability. Special versions with protected outlets for the precast industry are available on request.

Generators		CFG 25	CFD 33	CFG 67	CFD 67
Engine type - 4-stroke & manual start		Honda GX 160	Lombardini 15 LD 225	Honda GX 270	Lombardini 15 LD 350
Fuel		Petrol	Diesel	Petrol	Diesel
Fuel tank	l	3.1	3	5.3	4.3
Max power at 3,000 r.p.m	hp	4.8	4.8	8.4	7.4
Rated speed	rpm	3,000	3,000	3,000	3,000
Output rated power	kVA	1.8	2	4.7	4.6
Number of outlets		2	3	4	4
Rated amperage	A	25	33	67	65
Rated output voltage	V-Hz	42V-3-200Hz			
Weight	kg	45	68	85	95
Noise level (Lw)	dB(A)	93	104	96	107
Wheels		optional	optional	yes	yes
Voltmeter		yes	yes	yes	yes
Part number		4812 0514 70	4812 0514 71	4812 0514 72	4812 0514 73

Electric frequency converters		CF11	CF25	CF67
Power	kVA	0.8	1.8	4.7
Intensity at 42V	A	11	25	67
Number of phases (primary voltage)		1	1 or 3	3
Number of outlets		1	2	4
Weight	kg	18	31	70
Protection index		IP55	IP55	IP55
Noise level	dB(A)	76	80	85
Transport wheels		-	optional	standard
Part number		-	-	-
230V-1-50Hz		4812 0503 95	4812 0503 94	-
400V-3-50Hz		-	4812 0503 93	4812 0510 51
380V-3-60Hz		-	4812 0510 80	4812 0510 78
Transport wheels		-	4812 0503 99	-

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1209 01) at www.acprintshop.com

Accessories					
Transport wheels	set	4812 0514 67	4812 0514 68	-	-

CFG67 Generator **Make your own power**

Effective

Up to four pokers can be run from one generator.

SAVE TIME

LESS MAINTENANCE

Reliable

Renowned engines, permanent magnet generator and volt-meter on all models.

Easy handling

Handles for easy transport on all models. Transportation wheels come as standard on 67A version, optional on remaining models.

Robust

Side panels protect vital parts from concrete splashes.



CF67T Electric frequency converters **Four pokers at once**

Easy handling

Transportation wheels and handles for easy portability.

Effective

Up to four pokers can be run from one frequency converter.

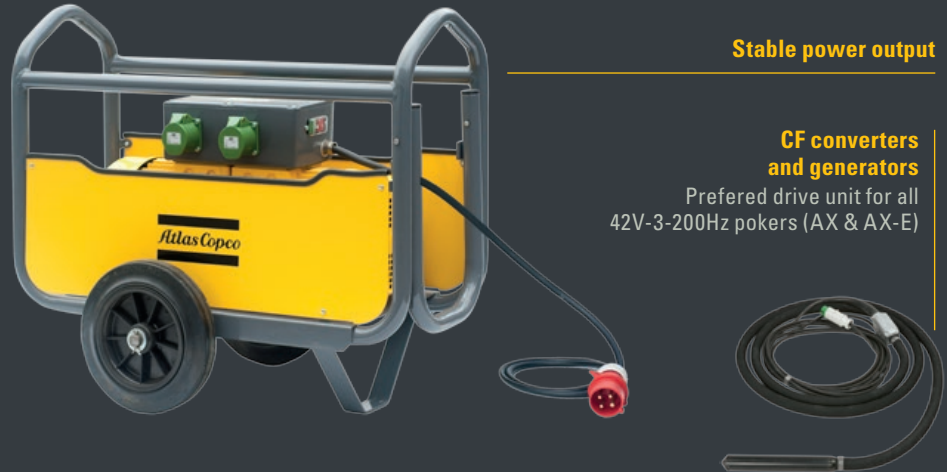
GREAT ERGONOMICS

NO FUMES

Stable power output

CF converters and generators

Preferred drive unit for all 42V-3-200Hz pokers (AX & AX-E)



HOW TO SELECT A FREQUENCY CONVERTER

The total intensity (in amps) of poker vibrators connected to the frequency converter should not exceed the stated intensity of the converter itself. Add up the intensities of the pokers you wish to run from the converter; if the sum is lower than the converter's intensity, you have selected the correct model of converter.

EXAMPLE

CF25 = 25 AMPS, 2 outlets

AX48 = 10 AMPS

AX56 = 11.7 AMPS

Sum of pokers' power consumption = **21.7 AMPS**

The CF25 can simultaneously drive one AX48 and one AX56.

A POKER FOR YOUR COMPRESSOR

With a compressor at the worksite a pneumatic vibration solution is both economic and efficient.

With a mobile compressor you get a powerful and flexible drive unit. Noise levels and fuel consumption have dropped considerably over the past years, making pneumatics an economic and user-friendly alternative. A single compressor can run several pokers (or other pneumatic tools) simultaneously.

Our range of pneumatic poker vibrators features long tubes and reliable ball stop handle. The large choice of diameters, from 26 to

155 mm, make them suitable for a wide variety of applications: from concrete lab tests to dam construction projects. High centrifugal force and acceleration makes for great end result.

The high radius of action, 10 times the diameter of the poker, boosts productivity and keeps overall costs down. With few moving parts service life is extended and hand/arm vibration reduced. The absence of bearings and highly resistant tubes

and end-caps also contribute to long life. Air keeps the temperature in the poker head down, making pneumatic pokers independent of cooling from the concrete. They are well suited for wall, beam or column applications. A lubricator is available as an option.

Pneumatic poker		AY27	AY37	AY47	AY57	AY67	AY77	AY87	AY107	AY157
Tube diameter	mm	26	36	47	56	67	77	87	108	155
Tube length	mm	254	267	316	344	365	398	410	415	430
Tube weight	kg	0.7	1.5	2.8	4.5	7.9	8.9	9.7	17.7	28
Frequency	vpm	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Hose length	m	2	2	2	2	2	2	1.5	1.5	0.8
Vibration value	m/s ²	0.51	1.02	2.13	2.10	2.38	4.9	1.95	2.91	12.29
Noise level	dB(A)	84.50	89.20	95.80	94	98	98	94	96.30	92.40
Air consumption	m ³ /min	0.36	0.46	0.7	1	1	1.3	1.6	1.9	2.7
Part number		-	-	-	-	-	-	4812 0508 24	4812 0508 25	4812 0508 26
2 m hose		4812 0508 18	4812 0508 19	4812 0508 20	4812 0508 21	4812 0508 22	4812 0508 23	-	-	-
4 m hose		4812 0508 81	4812 0508 83	4812 0508 85	4812 0508 87	4812 0508 89	4812 0508 91	-	-	-
6 m hose		4812 0508 82	4812 0508 84	4812 0508 86	4812 0508 88	4812 0508 90	4812 0508 92	-	-	-
Optional lubricator - external		8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39	8202 5102 39

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1177 01) at www.acprintshop.com
 CLG30 Optional internal lubricator mounted on the hose between poker and compressor.

AY157 Keeps concrete cool

Robust

Increased wear resistance thanks to dual layer reinforcement in shaft.

Comfortable

Absence of moving parts in the hose means hand/arm vibrations are reduced.

It goes without saying that we recommend our reliable and high performance compressors.



SAVE TIME & MONEY

Clean, efficient power

Extremely cost effective solution if an air compressor is already at the work site. One compressor can run several pokers.

Easy handling

The smart, easy-to-twist ball stop handle helps to avoid air leakage and power losses.

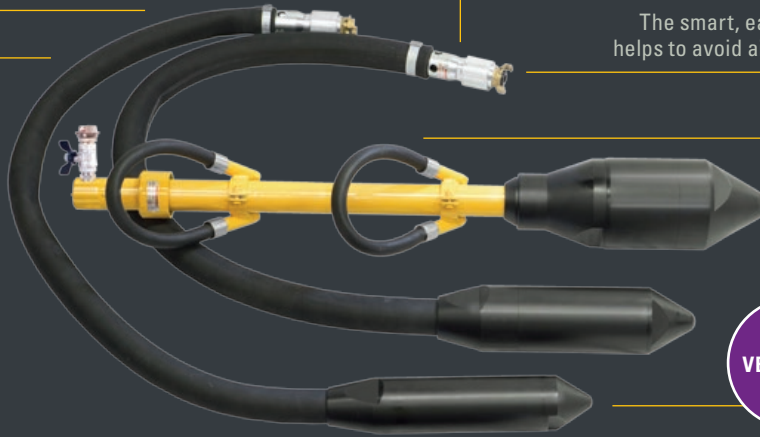
User-friendly

The AY157 is equipped with two handles for great handling.

VERSATILE

Keeps cool

Excellent for walls and columns since the AY pokers are air-cooled and do not depend on the concrete to keep temperature down.



One of the advantages of pneumatics is that the air keeps the temperature of the poker head down.

PERFECT FOR THIN LAYERS

Light, strong and ready for work straight away.

The AME600 is an excellent machine for columns, foundations and all kind of supplemental work where thin concrete layers with light reinforcement needs vibration.

Just plug it into a regular wall socket (230 V) and let the perfect combination of high frequency and centrifugal force work its magic. For your comfort we worked hard to keep

vibrations and noise down. Clean design makes service easy.

Powerful & operator-friendly

The double insulated motor delivers 600W @ 3000 rpm and features easy to replace carbon brushes. It is also equipped with automatic cut-off protection.

Handy

The multi-position handle makes it easy to work both horizontal and vertical. The handle is also rubber padded for reduced hand/arm vibration (below 2.5 m/s). Shoulder strap comes as standard.

Reaches further

5 meter cable for great reach around the socket.

AME600 Drive units Double insulated, splash tight		AME600
Voltage	V-Hz	230V-1-50/60Hz
Power	Kw	0.6
Rated consumption	A	2.7
Frequency	rpm	3,000
Weight	Kg	1.9
Vibration value	m/s ²	1.2
Noise level	LpA (dB)	82
	LwA (dB)	93
Part number		4812 0508 72

Important: More detailed technical specifications are available in the product Safety and Operating Instructions at www.acprintshop.com

AME600 Poker heads (High frequency)		HA 25/1	HA 25/2	HA 25/3	HA 35/1	HA 35/2	HA 35/3	HA 45/1	HA 45/2
Tube diameter	mm	25	25	25	35	35	35	45	45
Tube length	mm	295	295	295	330	330	330	375	375
Flexible shaft	m	1	2	3	1	2	3	1	2
Total weight	kg	2.8	4.1	5.4	4.4	6	7.6	5.8	7.4
Frequency	vpm	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Vibration value	m/s ²	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Part number		4812 0512 50	4812 0512 51	4812 0512 52	4812 0512 53	4812 0512 54	4812 0512 55	4812 0512 56	4812 0512 57

Robust

A foam filter protects the electric engine from dust penetration.

Quick & easy

Changing poker or hose is made easy with quick coupling and easy to reach locking screw.

GREAT ERGONOMICS

SAVE TIME & MONEY

Versatile

The AME600 can run three different poker diameters; 25, 35 & 45 mm on three different flexible shaft lengths; 1, 2 & 3 m (except 45 mm diameter).

Consistent

Conical pendulum raceway prevents rpm-losses when poker is immersed in the concrete.



SMALL SYSTEM FOR BIG CHALLENGES

Rapid acceleration put the vibes in low to high slump concrete.

The AME1600 is an excellent machine for columns, foundations and all kind of supplemental work where thin concrete layers with light reinforcement needs vibration. Just plug it into a regular wall socket

(115 V or 230 V, depending on country) and let the perfect combination of high frequency and centrifugal force work its magic. For your comfort we worked hard to keep vibrations and noise down.

Clean design makes service easy. The included shoulder strap, 5 meter long cable, overload protection and low hand/arm vibration makes this a poker for daily usage.

Durable

The resistant polyamide body is equipped with foam filters on the air inlet and keeps the AME1600 protected against shocks, dust and water.

Quick coupling

HIGH QUALITY COMPONENTS

Long lasting

High quality components and oil lubrication (AT59 poker head) contribute to long life and keep life cycle costs down.

SAVE TIME & MONEY

Easy service

The drive unit is equipped with removable plugs for easy brush replacement and the flexible shaft has square fittings for easy disassembly when greasing.

Versatile

20 different combinations with one unit.

All concrete types

The AME1600 handles everything from low to high slump concrete.



AME1600 Drive units		ELECTRIC
Speed	rpm	12,000
Voltage		115V-1-50/60 Hz or 230V-1-50/60
Input	kw (hp)	1.6 (2.2)
Weight	kg	6.1
Vibration value	m/s ²	2.84
Noise level	dB(A)	76
Protection level		IP44
Part number		
115V-1-50/60 Hz	US/CAN	4812 0520 46
115V-1-50/60 Hz	UK	4812 0520 44
230V-1-50/60 Hz		4812 0520 43

AME1600 Poker heads (High frequency)		AT29	AT39	AT49	AT59
Tube diameter	mm	29	39	49	59
Tube length	mm	332	315	311	306
Tube weight	kg	1.3	2.1	2.7	3.9
Frequency	rpm	12,000	12,000	12,000	12,000
Vibration value	m/s ²	12.09	8.86	9.74	10.29
Noise level	dB(A)	75	75	84	84
Part number		4812 0508 05	4812 0508 06	4812 0508 07	4812 0508 08

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1713 01) at www.acprintshop.com

Flexible shafts		SUPERFLEX 10	SUPERFLEX 15	SUPERFLEX 20	SUPERFLEX 30	SUPERFLEX 40
Length	m	1	1.5	2	3	4
Part number		4812 0508 13	4812 0508 14	4812 0508 15	4812 0508 16	4812 0508 17

YOU CAN TRUST A CLASSIC

The original mechanical poker has been refined over the years. Constant high vibration makes these pokers reliable and effective.

The entire product is assembled from high-quality components such as induction-hardened magnesium steel alloy in the major wearing parts and steel reinforcement in the rubber hose. The simple design makes service easy and inexpensive. The AA series of mechanical pokers features high centrifugal force and rapid acceleration.

They cover a range of tube diameters from 25 to 75 mm and come with up to 6 meters of hose for great reach around the drive unit.

To cover most kinds of work site conditions we offer petrol or diesel drive units with low fuel consumption and exhaust emissions.

Mechanical poker heads (Pendulum type)		AA Pokers					AZ Pokers			
		AA27	AA37	AA47	AA67	AA77	AZ26	AZ36	AZ46	AZ56
Tube diameter	mm	25	39	49	63	75	25	35	45	55
Tube length	mm	335	385	440	480	500	295	330	375	390
Tube weight	kg	0.9	2.1	4	6.8	9	0.5	1.8	1.9	2.0
Frequency	vpm	12,000	12,000	11,200	10,500	9,200	12,000	12,000	12,000	11,300
Vibration value	m/s ²	2.46	1.56	3.52	2.66	3.16	2.00	5.22	2.42	8.27
Noise level	dB(A)	69	68	73	75.8	75.7	77.50	82.00	87.40	90.00
Part number standard coupling		4812 0508 00	4812 0508 01	4812 0508 02	4812 0508 03	4812 0508 04	4812 0508 09	4812 0508 10	4812 0508 11	4812 0508 12
Part number Australian coupling		4812 0511 69	4812 0511 70	4812 0511 71	4812 0511 72	4812 0511 73	-	-	-	-

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1163 01 and 9800 1179 01) at www.acprintshop.com

Drive units		AMD3000	AMG3200
Fuel		Diesel	Petrol
Power	hp	4	5.5
Speed	rpm	2,900	2,900
Weight	kg	46	15
Engine brand		Lombardini	Honda
Noise level	dB(A)	79	75.7
Part number standard coupling		4812 0508 75	4812 0508 76
Part number Australian coupling		4812 0511 74	4812 0511 75
Safety & Operating Instruction		9800 1167 01	9800 1169 01

Important: More detailed technical specifications are available in the product Safety and Operating Instructions at www.acprintshop.com (see table above for ID number).

AMD3000 **A tool to trust**

Long reach

For increased efficiency and flexibility all AA Pokers comes with a 6 meter hose.

SAVE TIME & MONEY

Easy service

The simple design makes service easy and inexpensive. Service kits are available.

GREAT ERGONOMICS



Operator friendly

To reduce hand/arm vibrations and increase wear resistance stiffer hoses are used on large diameters, such as AA47, AA67 and AA77.

Stable performance

The conical shape of the pendulum raceway increases the friction area within the poker head to keep speed up and prevent rpm-losses.

Long life

Reinforced material in pokers and hoses plus top class components contribute to long life products.



Efficient

Modern engines with low fuel consumption.

AMG3200



We only use high quality components and materials. This means a longer service life and more uptime for you.

WOOD AND STEEL ANY FORM GOES

We offer a wide range of vibrators from high speed pneumatic to normal frequency electric – all with adjustable centrifugal force.

ELECTRIC

ER stands for electric vibrators and give excellent results thanks to flexible, high centrifugal force. In order to increase flexibility and cost effectiveness, ER207B, ER407B and ER507B vibrators are mounted on quick release brackets for easy portability, thus fewer units are required. High-quality components and materials help you keep life cycle and maintenance costs down.

PNEUMATIC

The EP-series are our pneumatic vibrators, suitable for all concrete mixes on civil engineering sites and in precast factories. A single moving part improves the possibilities for seamless operation. No periodic maintenance required. The integrated noise reducer makes these vibrators very quiet. Available with quick-release brackets.

High speed electric vibrators		ER207B	ER407B	ER507B
Speed	rpm	6,000	6,000	6,000
Max. centrifugal force	N	7,400	11,000	16,000
Voltage	V/Hz	42-3-200	42-3-200	42-3-200
Intensity	A	12.5	16.5	23.5
Weight	kg	10.5	15.5	23.2
Bracket attachment		VT2	VT4	VT4
Noise level	dB(A)	69	84.5	85
Part number 42V-3-200 Hz		4812 0509 80	4812 0509 81	4812 0509 82
Bracket		4700 1025 69	4700 1019 70	4700 1019 70

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1199 01) at www.acprintshop.com

Normal speed electric vibrators		ER105	ER205	ER305	ER405	ER505	ER605	ER705
Speed	rpm	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Max. centrifugal force	N	500	1,400	3,000	6,000	8,000	12,000	16,000
Intensity at 230/400V	A	0.16/0.09	0.3/0.18	0.7/0.4	1.8/1.09	2.2/1.3	3.3/1.9	4.2/2.5
Weight	kg	2.7	4.3	11	20	22	44.6	46.8
Noise level	dB(A)	55	56	57	57	57	61	63
Part number 230/400V-3-50HZ		4812 0509 10	4812 0509 20	4812 0509 30	4812 0509 40	4812 0509 50	4812 0509 60	4812 0509 70
Bracket		-	-	-	4700 1857 71	4700 1857 71	-	-

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1199 01) at www.acprintshop.com

External vibrators For wood and steel forms



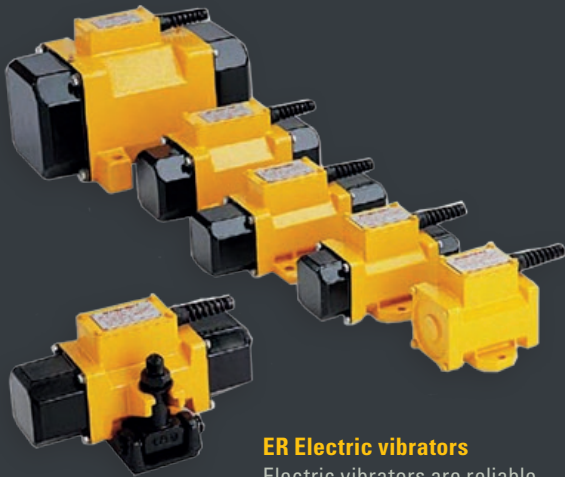
EP Pneumatic vibrators

Pneumatic vibrators are reliable with few moving parts.



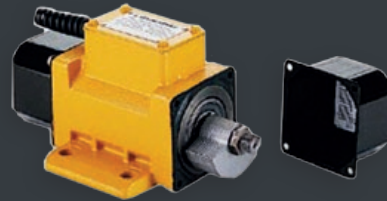
Quick-release brackets

Helps you secure the vibrator and increase flexibility during use.



ER Electric vibrators

Electric vibrators are reliable and cost effective.



Adjustable centrifugal force

Gives you flexibility to adjust the needs according to the concrete.

High speed pneumatic vibrators		EP121B	EP271B	EP371B	EP601B
Speed	rpm	9,000	9,350	9,350	8,800
Max. centrifugal force	N	8,100	10,350	26,800	31,500
Air consumption	l/min	1,200	1,200	1,400	1,400
Weight	kg	9.5	10	16.5	18
Bracket attachment		VT2	VT2	VT4	VT4
Noise level	dB(A)	90	90.8	95	100
Part number		4812 0509 86	4812 0509 87	4812 0509 88	4812 0509 89
Bracket		4700 1025 69	4700 1025 69	4700 1019 70	4700 1019 70

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1197 01) at www.acprintshop.com

Quick release bracket	VT2	VT4	ER405/ER505*
Part number	4700 1025 69	4700 1019 70	4700 1857 71

* Quick release bracket for ER405 and ER505

Extension cords for ER-7B series					
Length	m	5	10	15	20
Part number		4700 1814 13	4700 1814 14	4700 1814 15	4700 1814 16

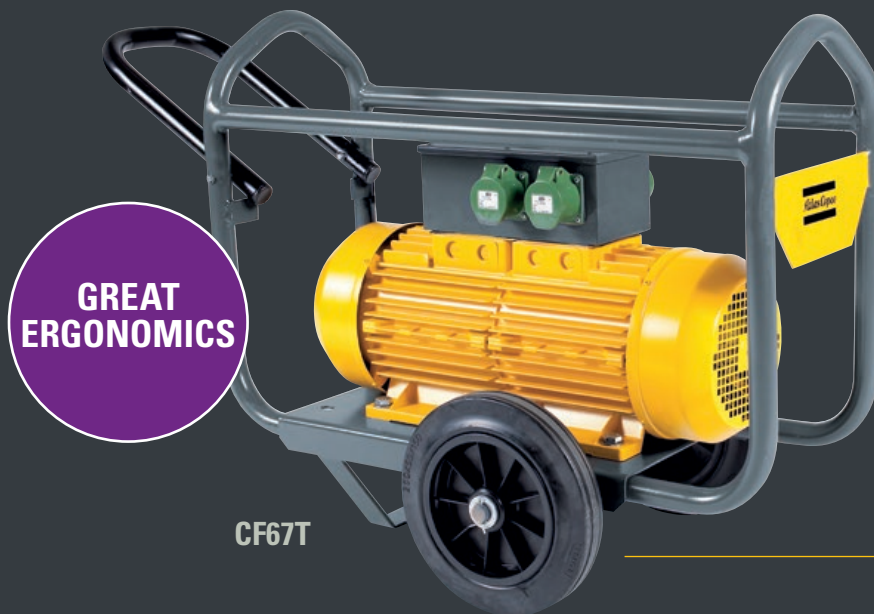
Cable including male and female plug only for 42 V-3-200 Hz tools.

STABLE OUTPUT

Low weight and stable power output in a strong protective frame.

We offer rotary frequency converters for external vibrators with rated amperage of 67 A, fitted with handles for high portability. Four outlets.

Special versions with protected outlets for external vibrators applications are available on request.



Effective

Up to four external vibrators can be run from one frequency converter.

No fumes

Improve the workplace.

Stable power output

A power source to trust. All the time.

Easy handling

Transportation wheels and handles for easy portability.



Frequency converter		CF67T
Power	kVA	4.7
Intensity at 42 V	A	67
Number of phases (primary voltage)		3
Number of outlets		4
Weight	kg	70
Protection index		IP55
Noise level	dB(A)	85
Transport wheels		standard
Part number		
400V-3-50 Hz CI4P ¹		4812 0510 53
380V-3-60 Hz CI4P ¹		4812 0510 79

Important: More detailed technical specifications are available in the product Safety and Operating Instructions (ID-number: 9800 1209 01) at www.acprintshop.com
 1) CI4P = Four outlets with motor breakers that protect the external vibrators against high ampere consumption.



Atlas Copco

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

www.atlascopco.com

The Atlas Copco logo consists of the company name in a stylized, italicized serif font, centered between two horizontal white bars. The top bar is positioned above the text, and the bottom bar is positioned below it.

Atlas Copco