



# Chicago Pneumatic



People.  
Passion.  
Performance.

Concrete Equipment

# YOUR PARTNER FROM START TO FINISH

For concrete projects, Chicago Pneumatic concrete equipment is with you every step of the way. From vibration and leveling to finish and cutting, CP offers a selection of quality equipment that helps you get the job done right.

CP doesn't overload its concrete equipment with extra features you don't need and will rarely use. Instead, CP concrete equipment is all about getting the day-to-day work done reliably, efficiently and affordably. It works hard like you do, and also like you it shows up ready to work the next day.



**Chicago  
Pneumatic**



## TIP

*CP electric pokers provide strong vibration to the concrete with limited noise level.*

# Effective and Efficient

CP electric pokers offer lower noise and require little maintenance. Just plug them in and get to work.

Effective and efficient are the words that best describe CP electric pokers. They're light and easy to handle, yet provide the vibration needed to remove air voids in the concrete. Fast startup, a wide radius of action and rapid acceleration for removal of air voids add to the effectiveness. Plus, the electric motor is highly efficient and the low voltage helps protect the operator.

CP electric pokers are specifically designed for use in medium to high slump concrete. The VPE series is used with a frequency converter or specific generators delivering 42V-3-200Hz.

#### ERGONOMIC DESIGN

The aluminum toggle switch box is easy to operate with one hand. And the unit is light and easy to handle, helping to reduce operator fatigue.

#### EASY MAINTENANCE

The quick-assembly design simplifies bearing replacement, and oil lubrication inside the vibrating element reduces maintenance. The end-cap includes an oil level mark for corrective maintenance when the bearing is changed.

#### EXTENDED REACH

With 10 m (33 ft) of cable and 5 m (16 ft) of hose, the operator has 15 m (49 ft) of total reach around the source.

#### LOW POWER CONSUMPTION

VPE pokers are powerful and fast yet require relatively low power, so they can be used with lower-output frequency converters (max. 11A).

#### RELIABLE STARTUP

A helical aluminum rotor ensures reliable startup.

#### MINIMIZED H/A VIBRATIONS

Shock and vibration absorption ensures the concrete receives the vibration, not the operator.

#### DURABLE CONSTRUCTION

One-piece rotor shaft features a steel eccentric and two front ball bearings lubricated with oil for longer life. A sealed stator also allows oil lubrication.

#### ELECTRIC POKERS

	VPE 40	VPE 50	VPE 60
Tube Diameter mm (in)	40 (1.6)	50 (2.0)	60 (2.4)
Tube Length mm (in)	255 (10.0)	284 (11.2)	330 (13.0)
Tube Weight kg (lb)	1.84 (4.0)	3.06 (6.7)	5.1 (11.2)
Frequency vpm	200–12,000	200–12,000	200–12,000
Ampere at 42V A	4	8	11
H/A Vibrations m/s <sup>2</sup> *	1.8	3.28	3.23
Sound Power dB(A)*	86	87	95
Part Number	4812 0505 56	4812 0505 57	4812 0505 58

\* Full details on measurement are available in the Safety and Operating Instruction of the product. It can be found on [www.cpprintshop.com](http://www.cpprintshop.com).

## TIP

*CP frequency converters and generators can run up to four pokers at one time for cost-efficient operation.*

# Portable Power When You Need It

VCE frequency converters are recommended for job sites where electricity is supplied. VCD and VCG generators provide a mobile solution for remote job sites.

Wherever the job takes you, CP frequency converters and generators bring the power. Depending on the model you choose, these units can run up to four VPE pokers simultaneously. And all models feature a robust design that protects critical components on the job site for longer service life.

## Frequency Converters

### ROBUST CONSTRUCTION

Models are mounted on solid frames with a dedicated socket box and feature heavy-duty housing, which minimizes vibration to the plugs.

### RELIABILITY AND LONG LIFE

The VCE 800M has a single-phase asynchronous motor (230V-1-50-Hz) and the VCE 1800T and VCE 4700T have a three-phase asynchronous motor (400V-3-50Hz) for reliability and long life.



### OVERLOAD PROTECTION

Switch with integrated overload protection helps ensure dependable operation.

### HIGH OUTPUT STABILITY

Models are equipped with a high-output permanent magnet generator for lighter weight and high output stability. They are designed to run the VPE or any pokers working under 42V-3-200Hz.

### JOBSITE FLEXIBILITY

Models are available with up to four outlets to run up to four VPE pokers simultaneously.

FREQUENCY CONVERTERS	VCE 800M	VCE 1800T	VCE 4700T
Power kVA	0.8	1.8	4.7
Output Density at 42V A	11	25	67
Number of Phases (Primary Voltage)	1	3	3
Number of Outlets	1	2	4
Weight kg (lb)	18 (40)	31 (68)	70 (154)
Protection Index	IP55	IP55	IP55
Sound Power dB(A)*	76	80	85
Part Number 230V-1-50Hz	4812 0515 85	—	—
Part Number 400V-3-50Hz	—	4812 0515 87	4812 0515 90

\* Full details on measurement are available in the Safety and Operating Instruction of the product. It can be found on [www.cpprintshop.com](http://www.cpprintshop.com).

## Generators

### ROBUST CONSTRUCTION

All models feature strong frame protection and a dedicated control box mounted on a rubber element, which minimizes vibration to the plugs.

### HIGH OUTPUT STABILITY

Models are equipped with a high-output permanent magnet generator for lighter weight and high output stability.



### EASY SHUT-OFF

All models include a kill ignition switch on the control box.

### RELIABLE OPERATION

Honda® gasoline and Kohler® diesel engines deliver reliable performance.

GENERATORS	VCG 1800	VCD 2400	VCG 4700	VCD 4700
Engine 4 stroke – manual start	Honda® GX 160	Kohler® KD 225	Honda GX 270	Lombardini® 15 LD 350
Fuel	Gasoline	Diesel	Gasoline	Diesel
Max Power at 3,000 rpm kW (hp)	3.3 (4.4)	3.3 (4.4)	5.9 (9.0)	5.2 (7.0)
Standby Power kVA	1.8	2.4	4.7	4.6
Number of Outlets	2	3	4	4
Amperage A	25	33	67	65
Voltage V	42V-3-200Hz	42V-3-200Hz	42V-3-200Hz	42V-3-200Hz
Weight kg (lb)	45 (99)	68 (150)	85 (187)	95 (209)
Sound Power dB(A)*	93	104	96	107
Wheels	Optional	Optional	Yes	Yes
Part Number	4812 0514 54	4812 0514 55	4812 0514 56	4812 0514 57

\* Full details on measurement are available in the Safety and Operating Instruction of the product. It can be found on [www.cpprintshop.com](http://www.cpprintshop.com).