

WHY CIFA



Portable Pumps



**WHY
CIFA**



PORTABLE PUMPS

CIFA pumping solutions are the result of a long experience in concrete application. They are designed and manufactured in the factory of **Senago, Milan, Italy**. With more than 40 years of history, CIFA portable pumps mean performance and reliability to satisfy all construction requirements. CIFA portable pumps range offers the best solutions for any jobsite conditions.



MANUFACTURING FACILITIES



PORTABLE PUMPS LEAN PRODUCTION



TESTING AREA

LEASING



Available in **Italy, Russia, China, South Africa, Australia, USA and Germany**

MADE IN ITALY



CIFA Portable Pumps are 100% made in Italy. All the components are European brand

TRAINING FOR OPERATORS





PORTABLE PUMPS

Full range with different concrete output and pressure, from 30 to 140 m³/h.



CITY PUMP

Easy and fast, to pump concrete in town centers, historic villages or in small urban areas of jobsites.



PIPE AND DEVICES

To pump the concrete from the portable pumps to placing booms in the best way.



**THE
BEST
PUMPING
PERFORMANCES.
ALWAYS.**



PORTABLE PUMPS STRONG AND RELIABLE



CIFA portable concrete pump series offers a wide range of models to satisfy the various needs of concrete pumping over long distances and at considerable heights.



POWER

The power source is provided by separate engine, diesel or electric. Available with diesel engines STEP3-A, STEP3-B or STEP 4 FINAL, turbo and with water cooling. Antiparticulate filter on request. The electric motors are supplied according to IE3 rules.

HYDRAULIC AND ELECTRONIC PUMPS

The main pump is an axial piston type with variable flow and constant power; gear pump is used for auxiliary services.



REMOTE CONTROL

The Concrete pump comes complete with a 15 meter cable remote control as standard feature. It also possible to have a radio remote control as option. *Available only for S6 Series - Step 3B*



WATER PUMP

Hydraulically driven water pump with washing pipe complete with nozzle.



CONTROL PANEL

The control panels has all the commands and control instruments to ensure an easy and safe use. There is a display indicating the main parameters of use to check the maintenance scheduling.

Available only the S6 Series.



AIR COMPRESSOR

Available on request. Driven by hydraulic motor for pipeline cleaning.



The CIFA pumping unit ensures gentle, continuous and regular flow and guarantees an extremely efficient system for pumping different types of concrete, with aggregates of all sizes, reducing the number of cycles per minute while maintaining the same flow rate, thus ensuring less wear and longer life. The available pumping units are three open loop types and one closed loop type according to the desired way of pumping, equipped with the S-valve.



“S” VALVE

The structure is made with varying thickness to achieve maximum resistance to wear even when using difficult types of concrete.



WEAR RING AND WEAR PLATE

The ring and the plate are made of special anti wear material against abrasion and stress due to the concrete flow.



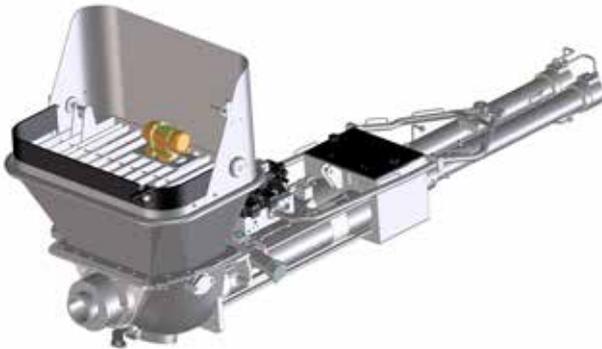
VIBRATOR ON GRID

The standard supply includes the electric vibrator on grid controlled by remote control with cable.



GREASING SYSTEM

To reduce maintenance the pumping units are equipped with an automatic greasing system including electric pump with grease tank.



GP “S6” SERIES

Open Loop type

PUMPING UNITS



GP “S8” SERIES

Open Loop type



MAIN IMPROVEMENTS:

Hopper new design and dimension.

S-valve new shape.

New cutting ring solution.

New anti-wear components: Plate and cutting ring.

Manual swing door.



DATA SHEET



S6 SERIES

Model	PC 307	PC 506	PC 309
Drive by Diesel motor (kW)-version D	43	72	72
Drive by electric motor (kW)-version E	30	55	55
Max. theoretical output (m ³ /h)	30	52	34
Max. pressure on concrete (bar)	70	57	91
Max. number of cycles per (min.)	21	36	24
Concrete cylinders diameter (mm)	176	176	176
Stroke length (mm)	1000	1000	1000
Concrete hopper capacity (l)	300	350	350
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Model	PC 607	PC 411
Drive by Diesel motor (kW)-version D	83	83
Drive by electric motor (kW)-version E	75	75
Max. theoretical output (m ³ /h)	60	40
Max. pressure on concrete (bar)	67	105
Max. number of cycles per (min.)	41	27
Concrete cylinders diameter (mm)	176	176
Stroke length (mm)	1000	1000
Concrete hopper capacity (l)	350	350
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

S8 SERIES

Model	PC 709	PC 415
Drive by Diesel motor (kW)-version D	130	130
Drive by electric motor (kW)-version E	110	110
Max. theoretical output (m ³ /h)	70	46
Max. pressure on concrete (bar)	91	145
Max. number of cycles per (min.)	20	13
Concrete cylinders diameter (mm)	200	200
Stroke length (mm)	1800	1800
Concrete hopper capacity (l)	400	400
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Model	PC 907	PC 612
Drive by Diesel motor (kW)-version D	130	130
Drive by electric motor (kW)-version E	110	110
Max. theoretical output (m ³ /h)	87	50
Max. pressure on concrete (bar)	66	118
Max. number of cycles per (min.)	26	15
Concrete cylinders diameter (mm)	200	200
Stroke length (mm)	1800	1800
Concrete hopper capacity (l)	400	400
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



SPECIAL EQUIPMENTS



PCC SERIES

Model	PCC 907	PCC 612
Drive by Diesel motor (kW)-version D	130	130
Max. theoretical output (m³/h)	87	56
Max. pressure on concrete (bar)	73	116
Max. number of cycles per (min.)	31	20
Stroke length (mm)	1500	1500
Concrete hopper capacity (l)	450	450
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CRAWLER PORTABLE PUMP

Machine is equipped with crawler, it is able to move on very tough terrain. It is ideal for pumping concrete in the consolidation works.



CP SERIES

Model	CP 506	CP 309
Drive by electric motor (kW)-version E	55	55
Max. theoretical output (m³/h)	52	34
Max. pressure on concrete (bar)	57	91
Max. number of cycles per (min.)	36	24
Concrete cylinders diameter (mm)	176	176
Stroke length (mm)	1000	1000
Concrete hopper capacity (l)	350	350
Rod side drive <input type="checkbox"/> / Piston side drive <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

TRAIN PORTABLE PUMP

Machine with rail frame, available with different gauges. It studied for concrete pumping in underground job sites.



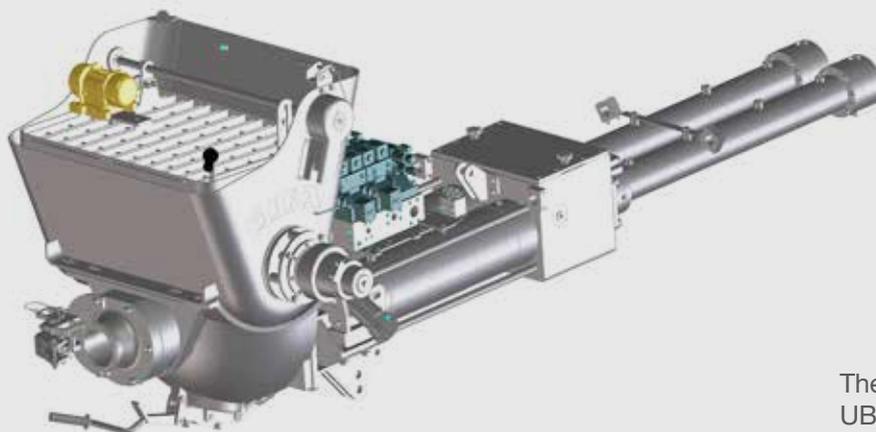


CITY PUMP UB 504

Thanks to reduced dimensions and to the high agility cifa urban pump is the best solution to pump the concrete in town centers or in small urban areas of jobsites.



PUMPING UNIT



The pumping unit mounted on the UB504 ensures the same smooth, continuous, regular flow and reliability of all CIFA pumping units.

Model	UB504
Drive by Diesel motor (kW)-version D	55
Max. theoretical output (m ³ /h)	50
Max. pressure on concrete (bar)	40
Max. number of cycles per (min.)	27
Concrete cylinders diameter (mm)	200
Stroke length (mm)	1000
Concrete hopper capacity (l)	250





UB504 version mounted on truck

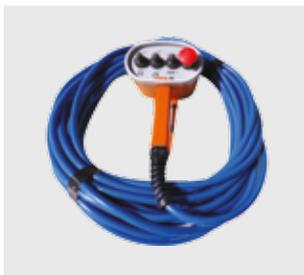


UB504 version mounted to be mounted locally

POWER

The power source is provided by a separate engine, making the concrete pump independent from the truck. The pump is available with diesel engines STEP3-A or STEP3-B, turbo and with water cooling. Antiparticulate filter on request.

The machine can be early connected to different sizes of pipeline, (3" - 4" - 5"). Ample spaces on board ensures the possibility to transport large quantities of pipes.



REMOTE CONTROL

The Concrete pump comes complete with a 15 meter cable remote control as standard feature. It is also possible to have a radio remote control as option.



WATER PUMP AND CLEANING SYSTEM

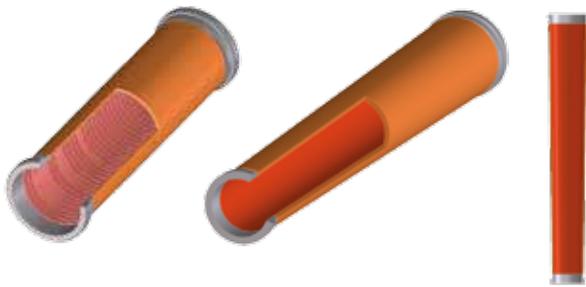
The equipment also includes a water cleaning system for the pipeline and other accessories which facilitate the cleaning operations. Air compressor driven by hydraulic motor, available on request.

Max. Pressure (bar)	120
Max. Output (l/min)	50
Max. Tank (l)	400

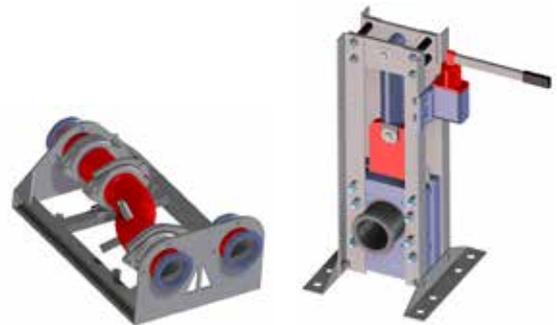


ADDITIONAL PIPELINE COMPONENTS

A distribution system, to be defined as “Full Line”, must include also concrete pipelines. CIFA Standard Pipes and double layer Long Life Pipes are able to resist at high pressure and to last longer. A concrete delivery line by CIFA also includes reductions, gaskets, joints, supports and others accessories. Further information on the products are available on specific brochures.



**PIPES - REDUCTIONS - ELBOWS
MADE IN CIFA**



DEVIATION VALVE AND SHUT-OFF VALVE



JOINTS GASKETS



CLEANING



HPC - UNITED KINGDOM



HPC1410 - HOLLAND



PCC907 - FRANCE



PC 506 - PERU



PC 506 - RUSSIA

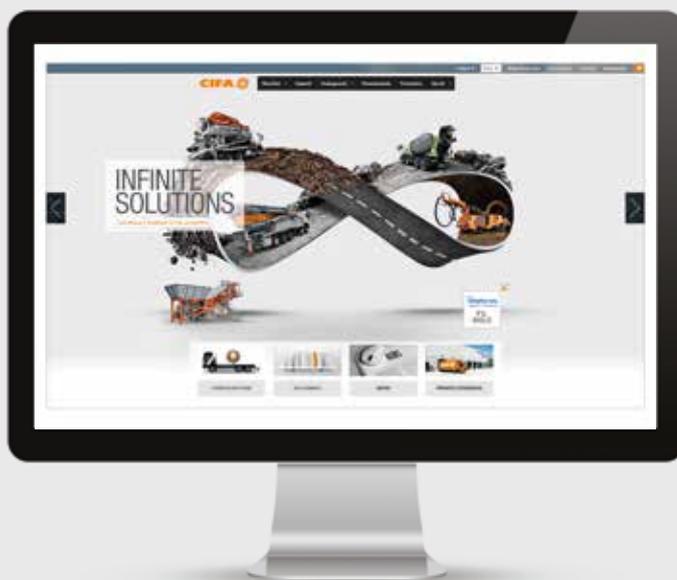


PC 907 - BELGIUM



PC 1007 - ITALY

JOB SITES



Discover more at www.cifa.com

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