

WHY CIFA



Portable Pumps and Placing Booms





CIFA pumping solutions are the result of a long experience in concrete application They are designed and manufactured in the factory of 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



PRODUCTION TESTING AREA



TRAINING FOR OPERATORS





PORTABLE PUMPS Full range with different concrete output and pressure, from 30 to 90 m³/h.

PLACING BOOMS Advanced solutions for skyscrapers building.

The CIFA portable concrete pump series offers a wide range of models which satisfy the various needs of concrete pumping and handling both in tunnels and above ground, over long distances and at considerable heights. Both diesel and electric motors models are available to accommodate every application and environment requirement. PC 607 and PC 709 are also available in crawler-mounted versions, fully equipped to work in hard-to-reach jobsites. The CIFA original pumping unit incorporates the characteristics of resistance, long life and exceptional performance with any type of concrete.

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



PC307





PC709



PCC607

PC607

PCC907

2







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

- S-valve for any type of concrete, made of special steel and different thicknesses
- Rapid valve exchange
- Ideal operation even at high pressures with continuous and smooth pumping flow
- Automatic wear compensation
- Hydraulic system in open circuit
- Low noise
- Low running costs
- Easy maintenance and guick cleaning operations
- Machines can work up to -25°

PC506

PC507



PC907

3



PORTABLE PUMPS STRONG AND RELIABLE

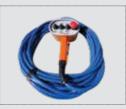


of models to satisfy the various needs of concrete pumping over long distances and at considerable heights.

POWER

The power source is provided by separate engine, diesel or electric. Available with diesel engines STEP3-A and Stage V, turbo and with water cooling. 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.





WATER PUMP Hydraulically driven water pump with washing pipe complete with nozzle.



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



CONTROL PANEL The control panel 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.

GP"S6" SERIES Open Loop type



"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.



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.



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.

PUMPING UNITS





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.





S8 SERIES

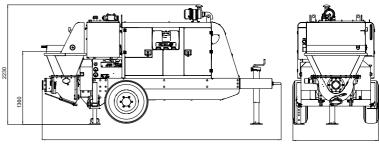
Model		PC 709/415	PC 907/612	PCC 907/612
woder		PC /03/415	PC 907/012	PCC 907/012
Drive power IIIA		130	130	130
Drive power Stage V	kW	130	130	130
Drive Power Electric	kW	110	110	110
Max. theoretical output (□/�)	m³/h	70 / 46	87 / 51	87 / 51
Max. pressure on concrete ($\Box/$)	bar	90 / 140	66 / 119	66 / 119
Max. number of cycles per min. (\Box / \diamond)	-	20 / 13	26 / 15	26 / 15
Concrete cylinders diameter	mm	200	200	200
Stroke Length	mm	1800	1800	1800
Concrete hopper capacity	I	450	450	450
Rod side drive □ Piston side drive ◆	-	□/◆	□/◆	□/◆

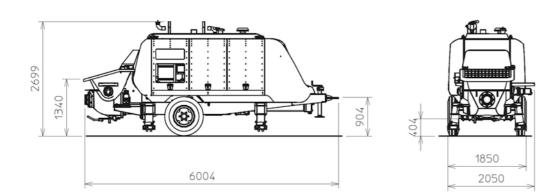


S6 SERIES

Model

Drive power IIIA Drive power Stage V Drive Power Electric Max. theoretical output (\square / \bullet) Max. pressure on concrete (\square / \bullet) Max. number of cycles per min. (\square Max. number of cycles per min. (\square Concrete cylinders diameter Stroke Length Concrete hopper capacity Rod side drive \square Piston side drive \blacklozenge









		PC 307	PC 506/309	PC 607/411	PCC 607/411
	kW	43	74.5	83	83
	kW	55	74.4	85	85
	kW	30	55	75	75
	m³/h	30	52 / 34	60 / 40	60 / 40
)	bar	70	41 / 65	67 / 105	67 / 105
(□/◆)	-	21	36 / 24	41 / 27	41 / 27
	mm	176	176	176	176
	mm	1000	1000	1000	1000
	I	300	350	350	350
	-	٠	□/◆	□/◆	□/◆

4400



PC 158 STRONG AND RELIABLE



PC 158 is a 2-cylinder hydraulic piston pump with S-valve and variable output for pumping concrete, micro-concrete, special concrete and for shotcrete.

PC 158 is a reliable choice, especially in difficult working conditions.

PC 158 can be used both for concrete and mortar pumping thanks to its optimized hydraulic layout design.

4-cylinder liquid cooled diesel engine

Hopper assembly with S-valve and agitator

Centralized lubrication system

Hydraulic circuit with optimized exchange sequence

Electromechanical control board

Variable displacement hydraulic pump

30 m cable remote control

Accessory box

Concrete grill with electric vibrator



Light and extremely handy



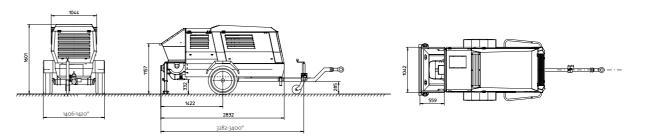
Intuitive control panel



With 80 bar of maximum pressure, the PC 158 machine can pump between 2 and 15 cubic meters per hour of concrete to considerable heights and distances.

PC 158

Model		PC 158
Liquid cooled diesel engine	-	STAGE IIIA (
Electric motor (upon request)	-	22 KW-400
Infinitely adjustable	m³/h	from 2 to 15
Max. theoretical output*	bar	80
Hopper capacity	I	250
Delivery distance*	m	200
Delivery height*	m	100
Chassis	-	Manual dra Articulated



PUMPING UNIT



OR STAGE V V 50 HZ

rawbar-fixed axle and pneumatic wheels ed tow bar with braking system*





Main features

Electric vibrator on the hopper grid

Rigid monoaxle trailer

Drawbar

N° 3 manual outriggers

Concrete outlet piping with bend and counterbend reduction device up to 5"

Centralized automatic lubrication system

Hydraulically driven water pump 50 I/min - 50 bar

Concrete flow rate regulator on board

Hydraulic system in open circuit

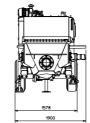
Quiet pumping with high performances: smooth, continuous and easy movements

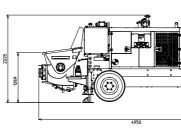




PC 507

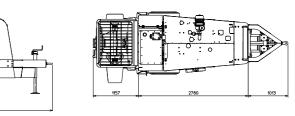
		PC 507
Drive power Stage V	kW	55
Max. theoretical output	m³/h	54
Max. pressure on concrete	bar	71
Max. number of cycles per minute	-	28
Concrete cylinders (diam. x stroke)	mm	180x250
Concrete hopper capacity	Ι	500
Weight	kg	3980
Rod side drive \Box / Piston side drive \blacklozenge	-	•



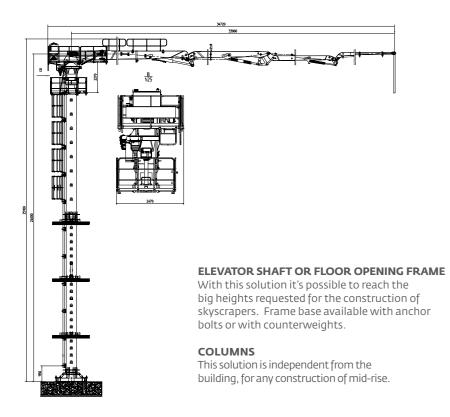


PUMPING UNIT













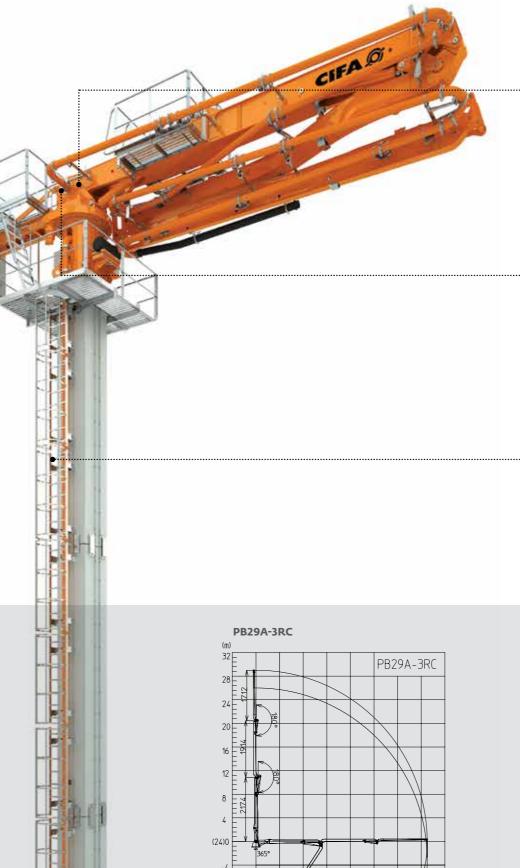
KT boom series come directly from the truck-mounted boom series and are designed to face the most different applications.

- Fast and easy deliver on truck
- Quick and safe assembly and placement
 Quick release device on first section (as option)
- Anchor bolts basement or ballast basement
- Self-climbing system fitted with elevator shaft
- or floor opening frame

Boom Type	N. of folding arms	Horizontal reach m	Quick disconnect	Heaviest component Kg	Total weight Kg
PB29A-3RC	3R	29	Yes	3300	4750
PB33A-4ZC	4Z	33	Yes	4700	5250



REMOTE CONTROL Comfortable and lightweight for boom control and for the management of the main functions of the machine.



-12

-16

-20

-24<mark>-4 0 4 8 12 16 20 24 28 32 (m)</mark>

32

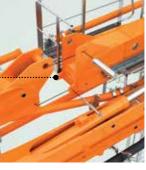


UNDERTURRET

Thanks to a unique interface, the boom can be disconnected from the column quickly. By removing 4 pins, the boom can be moved and placed elsewhere in the jobsites. This solution is important in big jobsite, where one boom could work in different position.

BOOM QUICK DEVICE

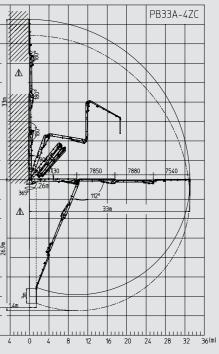
Available as optional, It is designed to reduce the overall weight and adapt the system to jobsite requirements.



COLUMNS AND ADAPTORS

Columns are modular and 10 meters long. All segments are provided with ladder including safety cage and pipes supports, with rapid connection pins.

PB33A-4ZC





SPECIAL PUMPING DDITIONAL 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.



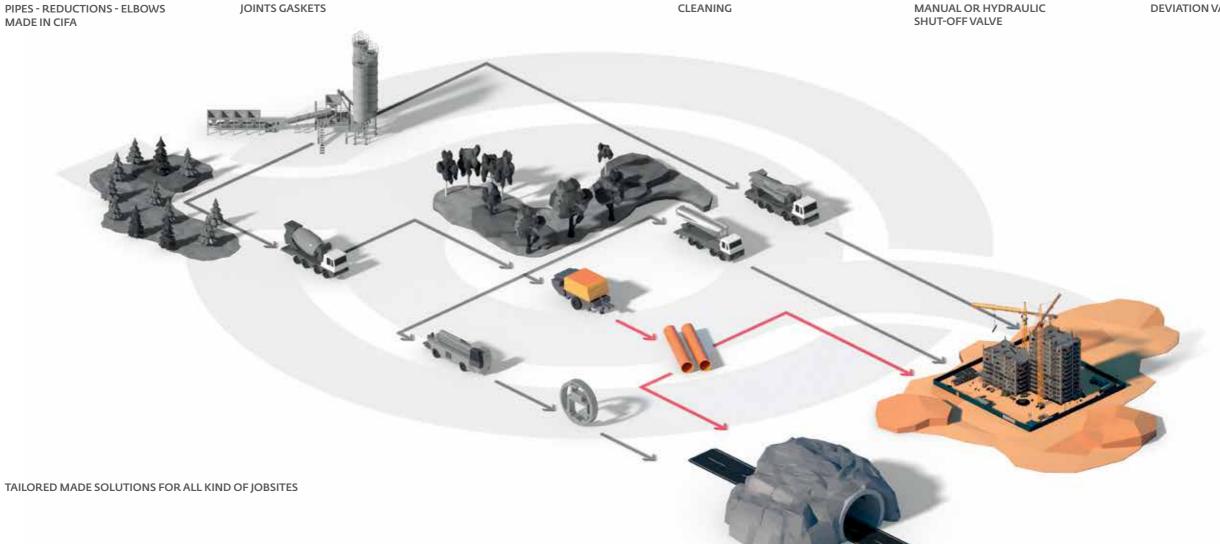


JOINTS GASKETS





MANUAL OR HYDRAULIC





DEVIATION VALVE



Distributor





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The catalogue shows models, outfitting versions and configuration possibilities (standard and optional) of machines for the production, transport and pumping of concrete, manufactured and distributed by CIFA SpA. The catalogue is intended for general information purposes only and the information it contains shall not be deemed a contractually binding document, since CIFA SpA may make constructive and outfitting modifications at any moment and during the period between publication of the catalogue.