

WHY
CIFA



Truck Pumps
STEELTECH Series



WHY CIFA

MORE THAN 15.000 TRUCK PUMPS SOLD IN THE WORLD



It was the end of 60's when Cifa produced the first truck pump. Since then, Cifa has been designing, producing and developing the most advanced technology, bringing every year to the market new reliable solutions. Solutions to prove that CIFA truck pumps are better than ever. Always.



READY FOR DELIVERY



MANUFACTURING FACILITIES



LEAN PRODUCTION

LEASING



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

ITALIAN DESIGN



Main components of the CIFA truck pumps are Italian or German brand

MOUNTED ON ALL TRUCK BRANDS



CIFA truck pumps can be mounted on all truck brands. According to CIFA truck specifications documentation

TRAINING FOR OPERATORS





PLACING BOOMS

Available lengths to reach all distances: from 20 meters to 58 meters.



STABILIZATIONS

Different types of stabilization in order to guarantee a safe work in a small area.



PUMPING UNITS

Two open loop types and three closed loop types according to the desired way of pumping.



CONTROL SYSTEMS

Designed and positioned to make the job easier and to speed up all the operations.



SAFETY

Different systems to work and move the boom in all its configurations in total safety.



FINISHING

Customized painting available upon customers' request.





PLACING BOOM

STRENGTH AND RELIABILITY:

The booms mounted on CIFA truck pumps combine both strength and reliability. Each section of the boom has been designed for maximum structural resistance and fatigue strength. These advanced booms reduce to the minimum the areas subjected to stress intensification when in operation.



VERSATILITY AND FLEXIBILITY:

Different configurations of the booms on CIFA truck pumps ensure the greatest operative versatility and enable to reach almost any part of the construction yard, even those accessible with the most difficulty. Complete working flexibility together with great working speed, allows the complete extension of the boom and its perfect positioning in few minutes.

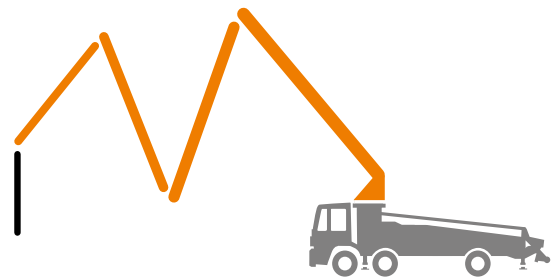
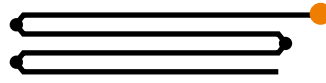


Z Type

Quick opening operations for concrete pouring near and far from the truck pump.

Available for:

K30L - K36L - K38L

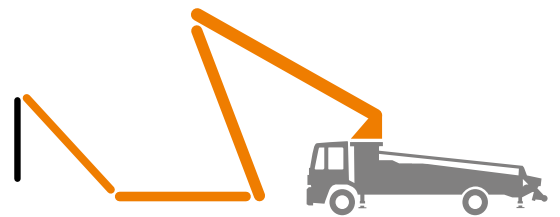
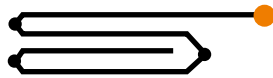


ZR Type

Suitable for the boom opening inside the buildings and for concrete pouring near the truck pump.

Available for:

K20L - K31L - K35L

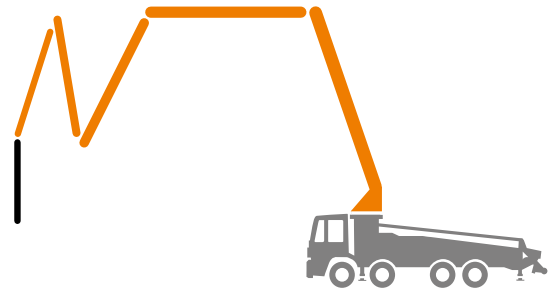
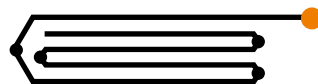


RZ Type

Ideal for 5 and 6 sections boom. It provides maximum flexibility by combining R+Z solutions.

Available for:

K37L - K42L - K48 - K52L - K55L - K58L



The structural strength and stiffness of the sections ensure limited oscillations even on longer booms.

The working speed, guarantees the complete extension of the boom and a quick and perfect positioning.

FOLDING SYSTEMS



STABILIZATION

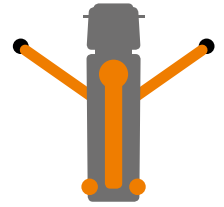


The front stabilization is available in four design concepts: single horizontal, single, double and triple telescopic-X-style outriggers. The rear stabilization is available in three design concepts: fixed, single extension and swing-out. Each machine has its stabilization system according to the size of the boom.



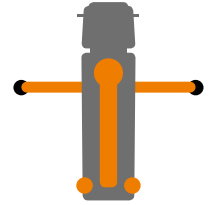
Front: **Single telescopic X style**
Rear: **Fixed**

Available for:
K30L



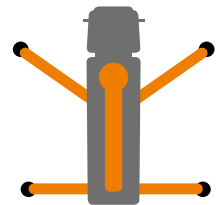
Front: **Single telescopic horizontal**
Rear: **Fixed**

Available for:
K20L



Front: **Single telescopic X style**
Rear: **Single horizontal**

Available for:
K31L



Front: **Single telescopic X style**
Rear: **Swing-out**

Available for:
K35L - K37L - K38L - K36L



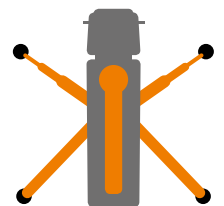
Front: **Double telescopic X style**
Rear: **Swing-out**

Available for:
K42L



Front: **Triple telescopic X style**
Rear: **Swing-out**

Available for:
K48 - K52L - K55L - K58L



All outriggers are designed to stabilize the machine in the right way in extraordinary tight spaces.

The sequences of the extension phase are quick in order to accelerate the stabilization.

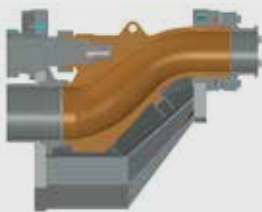
Each outrigger can be used as a tank with a capacity ranging from 400 to 700 liters.





PUMPING UNIT

Completely removable, the pumping unit ensures gentle, continuous and regular flow. This technology 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.



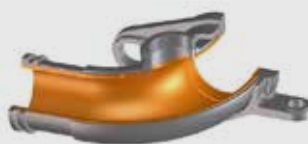
“S” VALVE:
The structure is made with varying thickness to achieve maximum resistance to wear even when using difficult types of concrete.



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.



CIFA LONG LIFE PIPES MADE BY CIFA
CIFA truck pumps have long life pipes as standard equipment.



CIFA truck pumps have the first bend outside the pumping unit in long life pipes as standard equipment.

Open Loop: Hydraulic management

709

Available for:
K20L



HP1606H

Available for:

**K31L - K35L - K36L - K37L - K38L
K42L - K48 - K52L - K55L - K58L**

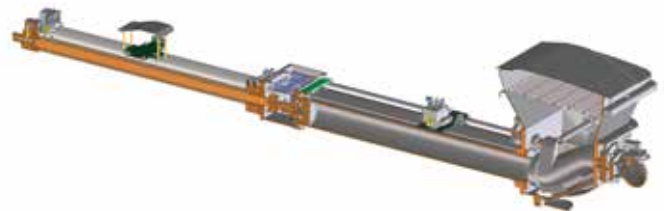


Closed Loop: Electronic or hydraulic management

HP1608EC

Available for:

**K31L - K35L - K36L - K37L
K38L - K42L - K48**



HP1808ECX

Available for:

K42L - K48 - K52L - K58L



PUMPING UNITS		709	HP1606H	HP1608EC	HP1808ECX
MAX. THEORICAL OUTPUT	m ³ /h	70	160	160	180
MAX. PRESSURE ON CONCRETE	bar	85	53	80	83
MAX. NUMBERS OF CYCLES PER MIN.	n	25	30	31	27
CONCRETE CYLINDERS (DIAM. X STROKE)	mm	200x1500	230x2100	230x2100	260x2100
CONCRETE HOPPER CAPACITY	l	500	550	550	600
HYDRAULIC CIRCUIT	type	open	open	closed	closed



CONTROL SYSTEMS



BOOM PROPORTIONAL DISTRIBUTOR
Ergonomic hydraulic controls for boom.



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



WIRED VIBRATOR AND HORN REMOTE
Convenient cable control dedicated to the mixer driver. It can be used from both sides of the hopper.



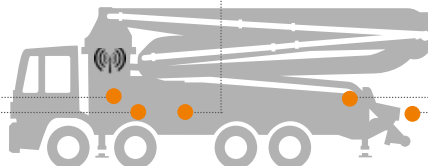
DETACHABLE ELECTRICAL SYSTEM
The electrical system can be detached for easy maintenance.



HYDRAULIC OUTRIGGERS CONTROL
Hydraulic controls on both sides of truck pump. The machine emergency stop is also positioned nearby.



REAR CONTROL PANEL
Control panel positioned on the rear side (only for closed loop circuit pumping unit).



Smartronic™ SILVER

for STEELTECH Series with closed loop pumping unit

Smartronic is the most advanced electronic management system for truck-mounted pumps in the market. It simplifies the operations and collects information to manage all the vehicle functions in the easiest and perfect way.



COUNTERS

The system collects and transmits data to know at any time the status of the vehicle and its main components.



PUMPING UNIT MANAGEMENT

The system manages independently the pumping unit, pressure and engine speed in order to optimize the performance.



DIAGNOSTICS

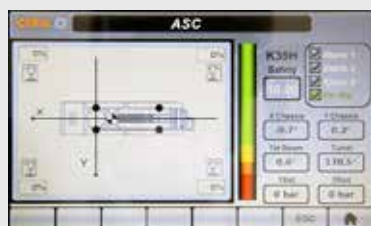
The system provides a detailed analysis of the working phase, detecting clearly any errors and failures, reducing in this way potential machine downtime.



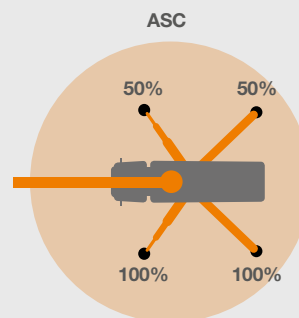
ASC Advanced Stability Control

(according to EN 12001:2012)

The ASC system, available on demand, controls the stability of the truck-mounted pump in real time. The system is intelligent and changes depending on the condition; in this way the mode of operation of the boom changes according to the configuration of the stabilization to maximize the use at any moment. Thanks to ASC, the machine is the one that cares about the total safety of each positioning, and being able to maximize the pumping phase in all circumstances.



ASC DISPLAYED ON THE MONITOR



PUMPING AREA

ASC is available, on demand, for Steeltech series only with closed loop pumping unit. Steeltech series with open loop pumping unit can be supplied, on demand, with LSC Light Stability Control system (without Smartronic).



SAFETY



MECHANICAL LOCK FOR ALL OUTRIGGERS



GRID PROTECTION WATER BOX



LIMIT SWITCH HOPPER GRID



PROTECTION FOR S-VALVE CYLINDERS



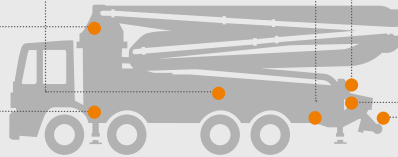
BOOM ROTATION LIMIT SWITCH



SUPPORT PLATES HOLDER



OUTPUT BEND LOCKING SYSTEM



FOLDING BUMPER BAR WITH INTEGRATED LIGHTS



TWO DIFFERENT TYPES OF SHUT OFF VALVE AS OPTION

The shut-off valve stops immediately the flow of the concrete.



Shut Off valve on endhose



Shut Off valve in pipeline



Actived by remote control

High pressure water pump



Air compressor for pipeline cleaning



Satellite systems Set-up for fleet management



Rear camera



List of other components available on demand

OPTIONS



K38L - RUSSIA



K36L - TURKEY



K20L - ENGLAND



K42L - USA



K48 - BRAZIL



K58L - ITALY



K55L - SAUDI ARABIA

JOB SITES

DATA SHEET

STEELTECH



K20L

PLACING BOOM	4ZR 20/16
PUMPING UNIT	87 m ³ /h 73 bar
DRIVEN BY	PTO
CHASSIS	2 AXLES



K30L

PLACING BOOM	4Z 30/26
PUMPING UNIT	150 m ³ /h 53 bar
	140 m ³ /h 80 bar
DRIVEN BY	PTO
CHASSIS	3 AXLES



K31L

PLACING BOOM	5Z 31/27
PUMPING UNIT	160 m ³ /h 53 bar
	160 m ³ /h 80 bar
DRIVEN BY	PTO
CHASSIS	3 - 4 AXLES



K35L

PLACING BOOM	5Z 35/31
PUMPING UNIT	160 m ³ /h 80 bar
	160 m ³ /h 53 bar
DRIVEN BY	PTO
CHASSIS	3 - 4 AXLES



K36L

PLACING BOOM	4Z 36/32
PUMPING UNIT	160 m ³ /h 53 bar
	160 m ³ /h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 - 4 AXLES



K37L

PLACING BOOM	5RZ 37/33
PUMPING UNIT	160 m ³ /h 53 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 - 4 AXLES

Find more info on
truck configuration at
www.cifa.com



K38L

PLACING BOOM	4Z 38/34
PUMPING UNIT	160 m ³ /h 53 bar
	160 m ³ /h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 (EXTRA CE) - 4 AXLES



K42L

PLACING BOOM	5RZ 42/38
PUMPING UNIT	180 m ³ /h 83 bar
	160 m ³ /h 80 bar
	160 m ³ /h 53 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 AXLES



K48

PLACING BOOM	5RZ 48/44
PUMPING UNIT	160 m ³ /h 53 bar
	180 m ³ /h 83 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 AXLES



K52L

PLACING BOOM	6RZ 52/48
PUMPING UNIT	180 m ³ /h 80 bar
	160 m ³ /h 53 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 - 5 AXLES



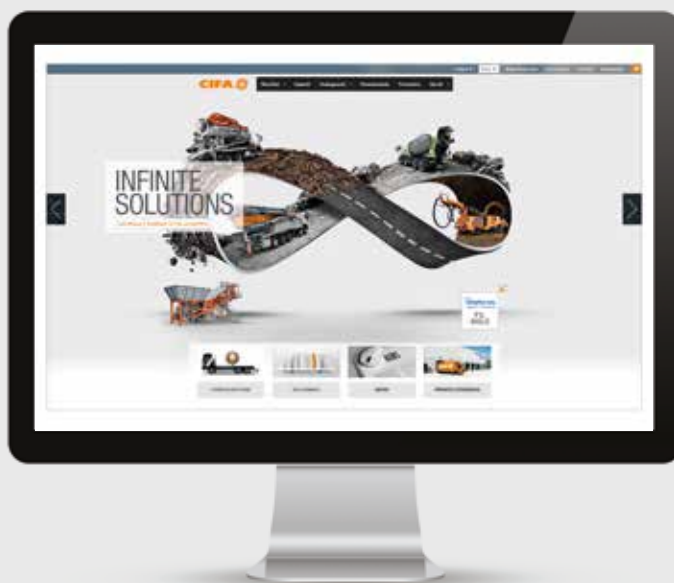
K55L

PLACING BOOM	5RZ 55/50
PUMPING UNIT	160 m ³ /h 53 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 (EXTRA CE) - 5 AXLES



K58L

PLACING BOOM	6RZ 58/54
PUMPING UNIT	160 m ³ /h 53 bar
	180 m ³ /h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	5 AXLES



Discover more at www.cifa.com

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