

WHY
CIFA



Truck Pumps
STEELTECH Series



**WHY
CIFA**

WE BUILD YOUR WORLD SINCE 1928

Since 1928, CIFA has been a trusted manufacturer of machines for the production, transportation and placing of concrete. Today CIFA is part of Zoomlion, one of the world's leading manufacturers of construction machinery, representing the Concrete Machinery Business Unit within the Group.

Rooted in solid engineering applied to the construction industry, CIFA develops machines designed to meet the real needs of jobsites, with customer satisfaction as the benchmark of every solution.

With two manufacturing plants in Italy built according to the highest European standards, CIFA delivers reliable and competitive concrete machinery solutions to customers worldwide, supported by a global service network



CIFA HEADQUARTERS IN ITALY



ON-SITE TECHNICAL SUPPORT



FIELD-PROVEN TECHNOLOGY



ZOOMLION SMART INDUSTRY CITY

**TRAINING
FOR OPERATORS**



**MOUNTED
ON ALL TRUCK BRANDS**



**CIFA IS PART OF ZOOMLION CONCRETE
MACHINERY COMPANY**





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

Three open loop types and two 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:

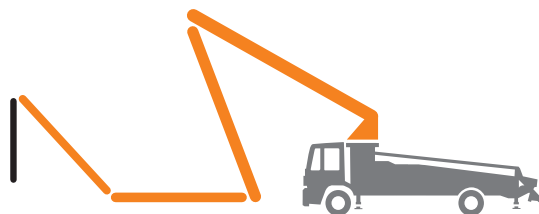
Different configurations of the booms on CIFA truck pumps ensure the greatest operative versatility and enable to reach almost any part of the construction yard, even those accessible with the most difficulty. Complete working flexibility together with great working speed, allows the complete extension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



ZR Type

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

Available for:
K20L - K24L



Z Type

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

Available for:
K28L - K31L - K36L-5 - K36L - K38L



RZ Type

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

Available for:
K42L - K50L - K55L - K56L - K63L



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



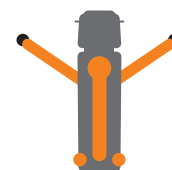
The front stabilization is available in four design concepts: single horizontal, single, double and triple telescopic-X-style outriggers. The rear stabilization is available in three design concepts: fixed, single extension and swing-out. Each machine has its stabilization system according to the size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



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

Available for:

K20L



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

Available for:

K24L



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

Available for:

K28L



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

Available for:

K31L - K36L-5



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

Available for:

K38L - K36L



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

Available for:

K42L - K50L - K56L



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

Available for:

K61L - K63L



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.

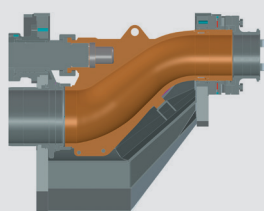
Optional plastic tanks integrated in the outriggers are available as optional.





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.



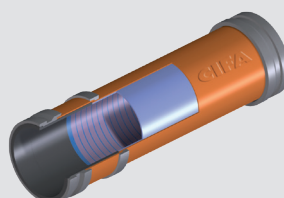
"S" VALVE:

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



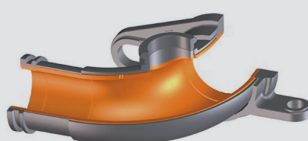
WEAR RING AND WEAR PLATE:

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



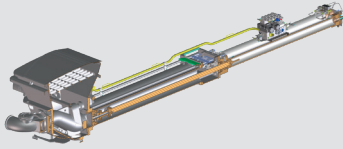
CIFA LONG LIFE PIPES MADE BY CIFA

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



HP1606H

Closed Loop: Electronic or hydraulic management



HP908EC



HP1608EC



HP1808ECX

PUMPING UNITS		HP1606H	HP907EC	HP1608EC	HP1808ECX
MAX. THEORICAL OUTPUT	m³/h	160	90	160	180
MAX. PRESSURE ON CONCRETE	bar	53	50	80	83
MAX. NUMBERS OF CYCLES PER MIN.	n	30	28	31	27
CONCRETE CYLINDERS (DIAM. X STROKE)	mm	230x2100	200X1650	230x2100	260X2100
CONCRETE HOPPER CAPACITY	l	550	550	550	600
HYDRAULIC CIRCUIT	type	open	closed	closed	closed

THE V-STOP TECHNOLOGY

A revolutionary system to drastically reduce vibrations, wear and noise. The "core" of the vibration is caused by the pumping unit movement therefore the system is placed in the 3 main fixing points and, thanks to the rubber absorbers, it reduces the vibrations transferred to the frame keeping the boom still while pumping.

- Low vibration
- Low noise
- Higher comfort of use
- Improved balancing while working
- Less wearing of key components

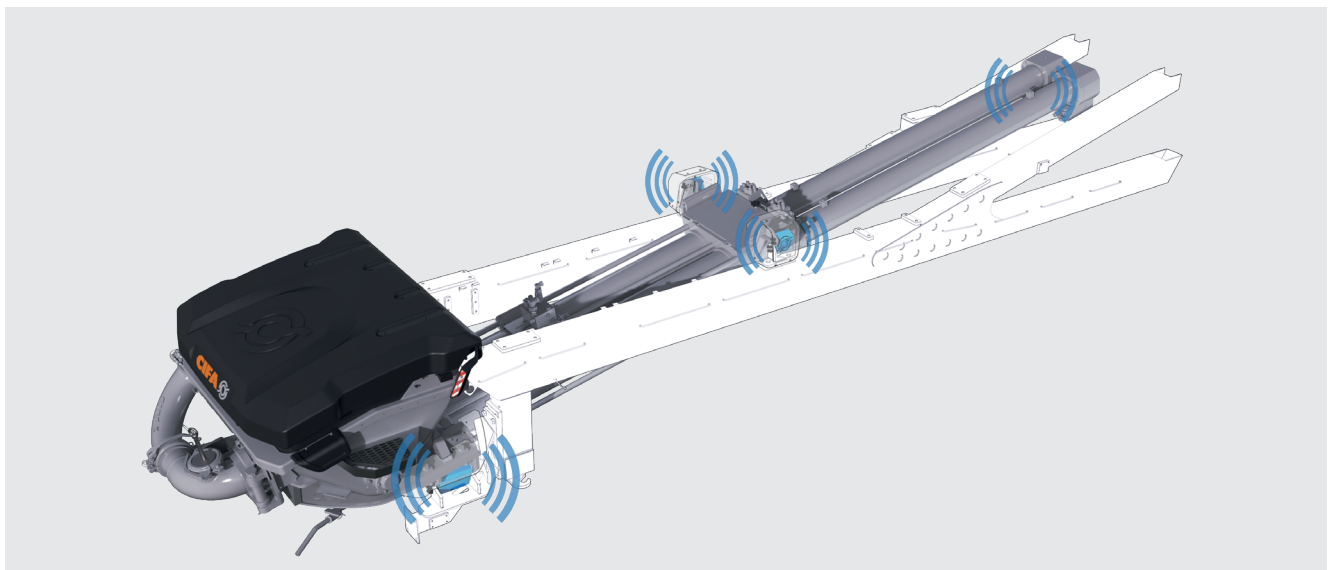
V-Stop



Rear Damping System

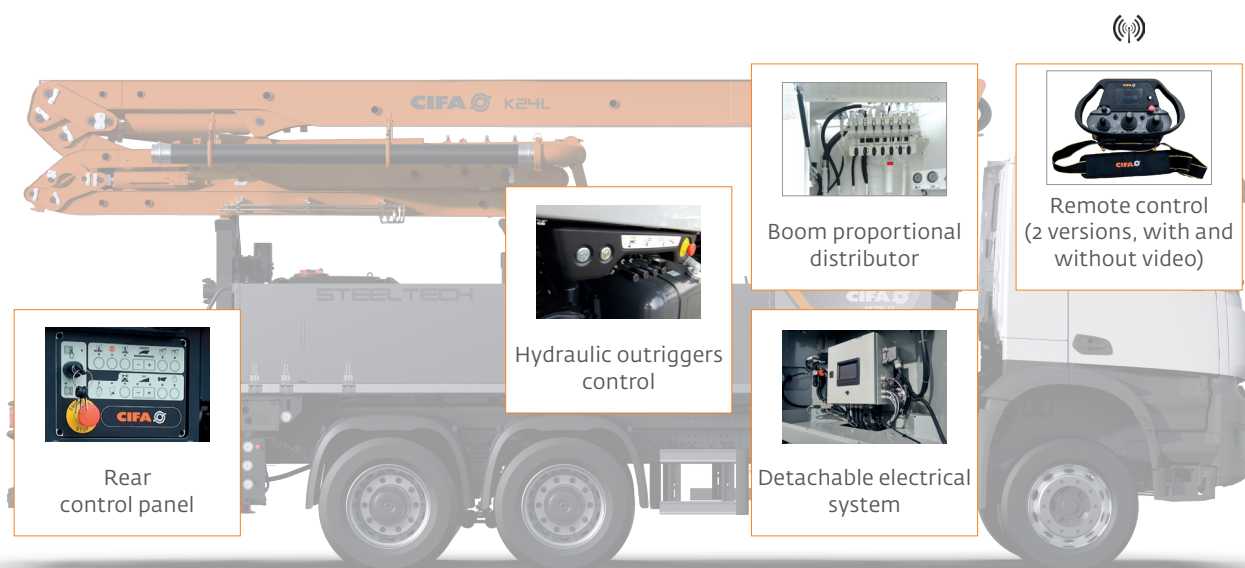


Front Damping System





CONTROL SYSTEMS



Easytronic

Machine management system for Steeltech series pumps with open loop pumping units

(Standard)



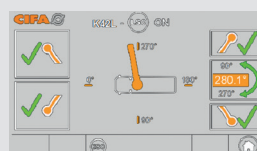
DISPLAY LCD 5"

The standard version includes:

- Pumping unit management
- Diagnostics
- Counters
- Auto vibration

PLUS (Option)

Easytronic +LSC *(Light Stability Control)*



Limits the boom slewing angle when any outrigger cannot be fully opened. Includes: Autoprpm

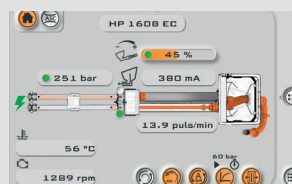
Smartronic®

(Standard)



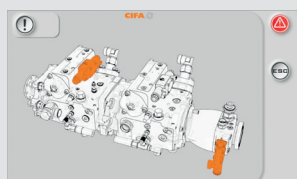
DISPLAY LCD 7"

Machine management system for Steeltech series pumps with closed loop pumping units



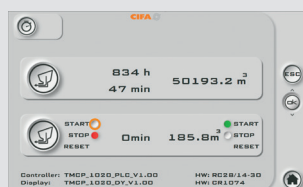
PUMPING UNIT MANAGEMENT

Automatic hopper-grid vibration

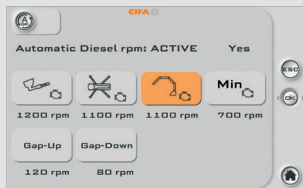


DIAGNOSTICS

In case of fault, the operator is guided to understand what's the subpart involved and graphically guided to understand the issue



COUNTERS



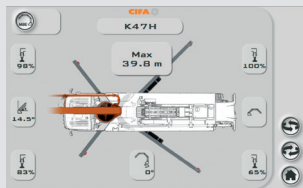
AUTO RPM

To automatically adjust diesel engine rpm in case of tougher pumping conditions



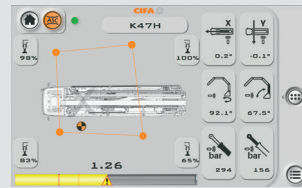
RAMPS MANAGEMENT

Fully adjustable pumping ramps management



MBE

Maximum boom unfolding simulation before the final placing of the truck pump: speed up placing operations and increase safety.



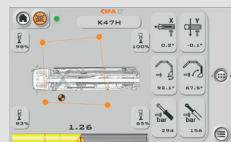
ASC

Constant control of the center of gravity of the truck pump. Inhibition of boom operations in case of roll over risk.



Automatic Boom Folding and Unfolding

The function allows to open and close the boom automatically using a dedicated command on the radio remote.



Advanced Stability Control 2.0 (ASC 2.0)

Guided operations to move the boom when overcoming the truck pump center of gravity limit.



Boom Antibouncing System

The Anti-Bouncing function strongly reduces boom oscillations (up to -25%).



Radio remote control with display



Virtual span

By moving the boom up or down, the function allows to set one or two reference points for the minimum and maximum height.



Angle fence

By rotating the boom left or right, the function allows to set one or two reference points to define the allowed rotation range.



Section block

The system allows locking one or all boom sections, but always starting from the first and proceeding sequentially (ex. 1-2, 1-2-3, 1-2-3-4).

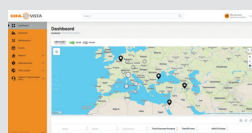


Constant height

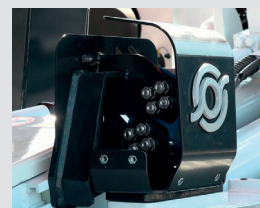
The system maintains the user-defined height constant during the extension and retraction phases of the boom.

OPTIONS

LIGHTS HOLDER UNDER THE HOPPER



CIFA VISTA: Remote machine monitoring



Pumping unit dampening

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



Activation by remote control



High pressure water pump



Air compressor for pipeline cleaning



Hopper cover



Rear camera

List of other components available on demand



Wood stocks holders



Ladder to fuel tank access



Light on boom



K56L - POLAND



K36L - TURKEY



K20L - ENGLAND



K42L - U.S.A.



K50L - ITALY



K36L-5 - UK



K38L - U.S.A.

JOB SITES

DATA SHEET

STEELTECH



K20L

PLACING BOOM	4ZR 20/16
PUMPING UNIT	95 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	2 AXLES



K24L

PLACING BOOM	4RZ 24/20
PUMPING UNIT	95 m³/h 80 bar
	160 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	2 - 3 AXLES



K28L

PLACING BOOM	4Z
PUMPING UNIT	95 m³/h 80 bar
	160 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 AXLES



K31L

PLACING BOOM	5Z 31/27
PUMPING UNIT	160 m³/h 53 bar
	160 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 - 4 AXLES



K36L-5

PLACING BOOM	5Z 36/31
PUMPING UNIT	160 m³/h 53 bar
	160 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 - 4 AXLES



K36L

PLACING BOOM	4Z 36/32
PUMPING UNIT	160 m³/h 53 bar
	160 m³/h 80 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 m³/h 53 bar
	160 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	3 - 4 AXLES



K42L

PLACING BOOM	5RZ 42/38
PUMPING UNIT	160 m³/h 53 bar
	160 m³/h 80 bar
	180 m³/h 83 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 AXLES



K50L

PLACING BOOM	5RZ 50/44
PUMPING UNIT	180 m³/h 83 bar
	160 m³/h 80 bar
	160 m³/h 53 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 AXLES



K56L

PLACING BOOM	5RZ 56/51
PUMPING UNIT	160 m³/h 53 bar
	160 m³/h 80 bar
	180 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	4 (EXTRA CE) - 5 (CE)

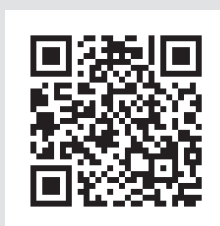


K63L

PLACING BOOM	6RZ 63/58
PUMPING UNIT	180 m³/h 80 bar
DRIVEN BY	PTO OR GEAR BOX
CHASSIS	6 AXLES



Distributor



CIFA S.p.A.

Via Stati Uniti d'America, 26
20030 Senago (Milano) - Italy
tel. +39.02.990131
fax. +39.02.9981157

sales@cifa.com
www.cifa.com

