

Pressure Washers Professional Line

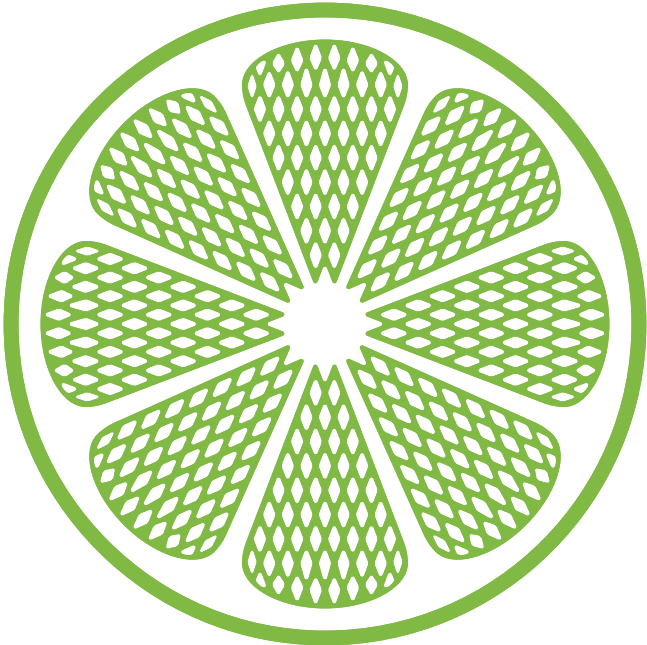


Integrated Professional Cleaning



IPC Portotecnica

IPC Integrated Professional Cleaning





IPC - Integrated Professional Cleaning - was formed in 2005 following the merger of a number of **leading companies** in the professional cleaning sector, each specialising in a different market segment.

A complex Group able to provide integrated global cleaning products.

Its size and international presence make IPC one of the world's leading groups manufacturing professional machines and equipment, with **a broad portfolio of prestigious products and brands** each with a different target customer and a constant commitment to research and innovation.

IPC places **customer satisfaction** at the centre of its activities, offering its services as the **ideal partner** for all cleaning sector operators.

Research, innovation, product quality and a high standard of service and efficiency are the **fundamental elements in the Group's corporate culture**. Business spirit, a sense of belonging and reference to established best practices are universal values, a common asset centred on the **value of the individual**, the true point of reference for the entire corporate system.

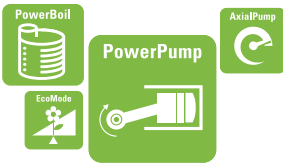
The Group's logo, a section of a technological lime, represents the natural link with the idea of cleanliness and a reference to the **constant drive towards research and innovation**. It visually and symbolically identifies IPC characteristic values of a sense of belonging, strength and innovation.

IPC: a universe of "Easy Innovation".



Portotecnica
Royal

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Professional fixed pressure washers

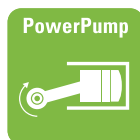
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IPC Portotecnica Professional High Pressure Washers

The new range for professional users

IPC Portotecnica presents its new range of hot and cold water high pressure washers.

IPC Portotecnica introduces its new range of Professional High Pressure Washers with advanced ergonomic features and covers in the corporate green colours of IPC Group. The high performance is guaranteed by the top quality long-life components and decades of experience in the sector. Performance is guaranteed by the following features which place IPC Portotecnica high pressure washers at the top of the professional range:



Power Pump: the main characteristics of the new IPC crankshaft pumps are top performance, excellent resistance to thermal shock, a long working life and ease of maintenance.



Axial Pump: made from top quality materials with steel or ceramic pistons and light alloy or brass heads (according to model), excellent performance with low vibrations and noise levels.



Power Boil: IPC Portotecnica latest high efficiency boilers. Designed for a long working life, the cylinders and internal components are made entirely from stainless steel. The double pass coils are made from special corrosion and oxidation resistant steel tubing.



By-pass system: when the trigger gun is closed, water is circulated in the pump. The thermostatic valve is often used in combination with this system in the case of very long by-pass periods to avoid excessively high water temperatures which might otherwise ruin components of the pump.



Control system I - Immediate Total Stop: this remote control shuts the machine down when the trigger gun is closed.



Control system D - Delayed Total Stop: this safety system shuts the machine down after 30" of inactivity and restarts it automatically as soon as the trigger gun is activated.



Control System ITS - Intelligent Total Stop: this safety system shuts the machine down after 10" of inactivity and restarts it automatically as soon as the trigger gun is activated. After 18' of inactivity, the system shuts the machine down completely. It also warns if the water circuit is leaking or the fuel or water softener has run out.



Control system ST - "Safety-Stop" shuts the machine down after 3' of inactivity or definitively in the event of leaks in the water circuit and/ or no water.



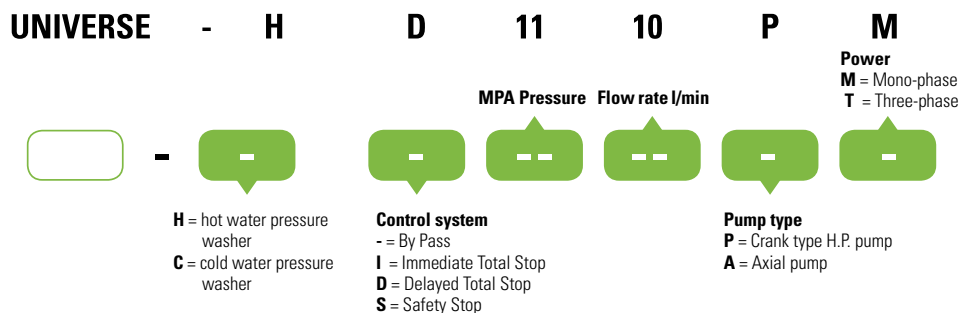
Electric Induction Motors, 4-pole (1400 rpm) or 2-pole (2800 rpm), air cooled, protected with thermal cutout. Maintenance free.



Eco Mode: this special temperature regulation mode maintains a high level of performance while drastically reducing emissions and fuel consumption.

Reading guide to IPC Portotecnica pressure washers nomenclature

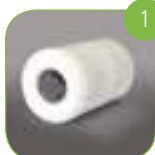
IPC Portotecnica pressure washers nomenclature allows an easy and fast identification of the main technical characteristics of each model. Following an example on UNIVERSE - H D1110P M pressure washer:



IPC new range of high efficiency pumps

IPC presents its new range of even more reliable and efficient crankshaft pumps

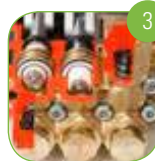
IPC has introduced a new component to maximise the cleaning performance of its professional hot and cold water high pressure washers. In-depth research has produced top results in terms of performance, long life and low maintenance costs.



1 Large extra-hard ceramic pistons (5 mm thick) for high resistance to wear and thermal shock.



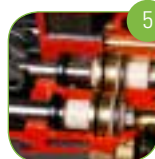
2 Stainless steel high efficiency intake valves.



3 Brass head with high mechanical resistance for a long working life.



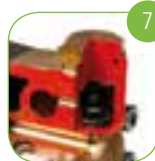
4 Reinforced connecting rods in special alloys or bronze (depending on model).



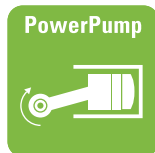
5 High quality oversized bearings for a long life.



6 Large oil level indicator lights.



7 Pump structure designed for easy quick maintenance.



• Thanks to the double seal (high/low pressure) and intermediate chamber, the pumping system remains cool and any leaks caused by worn seals are re-circulated.

Advantages

- Small pump.
- Laboratory tested for thousands of hours.
- 100% ceramic large diameter pistons.
- Connecting rods with a greater surface area made from aluminium or bronze alloy (depending on model).
- Large diameter oil light.
- Forged steel shaft.
- Separate By Pass.

Benefits

- Optimisation of the size of the high pressure washer.
- Ensures a long system working life.
- Excellent resistance to wear and thermal shock.
- Improved load distribution for optimum operation in all conditions.
- Excellent oil level visibility to simplify maintenance.
- High resistance to wear and a long working life.
- The ideal solution to reduce maintenance times and costs.

IPC Portotecnica boilers: reliability and toughness guaranteed

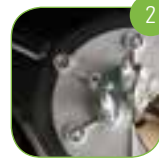
A long working life with the IPC Portotecnica guarantee

The latest IPC Portotecnica boilers are the result of the vast experience and professional expertise of IPC Portotecnica R&D department.

Excellent performance is guaranteed by the use of top quality materials. The two cylinders and all external components are made from stainless steel, while the double pass coils are made from special corrosion and oxidation resistant steel tubing.



1 Exhaust, stainless steel outer and inner cylinder with plasma welding: **oxidation free** and a longer working life.



2 Input-output couplings with **o-rings** for a better guarantee of tightness.



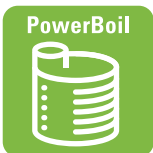
3 New **interchangeable bottom**, made of refractory and non-toxic material.



4 Double coil made of steel tube available with different features and specific uses.



5 Ignition group with light alloy flange and ceramic coated electrodes designed by IPC to **optimise combustion**.



- The inlet and the outlet on the bottom, help to keep coils clean from stagnant water. The bottom, made of refractory and non-toxic material, doesn't emit residues harmful for health and environment and is interchangeable.

Advantages

- Maximum safety.
- Low running costs.
- Long working life.
- Low maintenance costs.
- Materials and processes guaranteed and certified.

Benefits

- All IPC Portotecnica boilers pass stringent testing.
- IPC Portotecnica boilers are high efficiency with low diesel consumption and reach temperature very rapidly.
- The entire structure is made from stainless steel, immune to rust and/or corrosion.
- Rapid dismantling of components.
- All production takes place in IPC own factories.

Cold water high pressure washers

The IPC Portotecnica family of high pressure washers is designed to deliver maximum performance and cover the widest possible range of applications in all areas of use. IPC Portotecnica unique range of cold water high pressure washers comes in two distinct families. The small, vertical models are equipped with axial pumps and are specially designed for the semi-professional market where the ability to withstand regular heavy-duty daily use is not required but excellent performance and complete reliability are essential. The medium to large models on the other hand are equipped with the exclusive "IPC Power Pump" crankshaft pump and are specially designed for professional use in even the most demanding applications.

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Sectors	
Gardening	●●●●●○○○○
Automotive	○○○○○○○○○○
DIY	●●●●●○○○○
Hardware	○○○○○○○○○○
Industry	○○○○○○○○○○
Utilization x day	
h 0 8	



G135÷165 page 12



Sectors	
Gardening	●●●●●○○○○
Automotive	○○○○○○○○○○
DIY	●●●●●○○○○
Hardware	●●●●●○○○○
Industry	○○○○○○○○○○
Utilization x day	
h 0 8	



G-POWER page 14



Sectors	
Gardening	●●●●●○○○○
Automotive	○○○○○○○○○○
DIY	●●●●●○○○○
Hardware	●●●●●○○○○
Industry	●●●●●○○○○
Utilization x day	
h 0 8	



FTP page 16



Sectors	
Agriculture	●●●●●○○○○
Automotive	○○○○○○○○○○
Building	●●●●●○○○○
Hardware	○○○○○○○○○○
Industry	●●●●●○○○○
Utilization x day	
h 0 8	



N. ELITE page 18



Sectors	
Agriculture	●●●●●○○○○
Automotive	○○○○○○○○○○
Building	●●●●●○○○○
Hardware	○○○○○○○○○○
Industry	●●●●●○○○○
Utilization x day	
h 0 8	



ROYAL page 20



Sectors	
Agriculture	●●●●●●●●●●
Automotive	●●●●●●●●●●
Building	●●●●●●●●●●
Hardware	●●●●●●●●●●
Industry	●●●●●●●●●●
Utilization x day	
h 0 8	





EVOLUTION page 22



Sectors	
Agriculture	●●●●●●●●
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	●●●●●●●●
Industry	●●●●●●●●



COMBO page 24



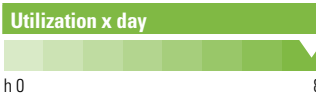
Sectors	
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Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



ABSOLUTE page 26



Sectors	
Agriculture	○●○●○●○●○●○●○●○●○●○
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



BENZ page 28



Sectors	
Agriculture	○●○●○●○●○●○●○●○●○●○
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



FIRE BOX page 30



Sectors	
Agriculture	●●●●●●●●
Automotive	○●○●○●○●○●○●○●○●○●○
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●○●○●○●○●○●○●○●○



Cold water high pressure washers

G131



HOSE REEL

Standard low pressure professional hose reel, enables the hose to be stored simply and quickly, protects it from all damage and keeps it close at hand at all times (Plus versions). Code IDAF 94233



0,5 litre foam lance
Code LCPR 40081



Turbo lance
Code LCPR 40077



Lance with spray angle adjustment.
Code LCPR 40073



5 m H.P. hose
Code TBAP 40105 (IDAF 94232)
6,5 m H.P. hose
Code TBAP 40106 (IDAF 94233)



Trigger gun with twist prevention device and safety lock safety system.
Code IPPR 40011



Ergonomic and robust of handle for an easy and comfortable transport.



Lance, trigger gun and hose reel supports fitted as standard to keep everything within reach at all times.



The large diameter wheels and wide tread give the machine great stability while at the same time making it easy to move.



Standard low pressure professional hose reel, enables the hose to be stored simply and quickly, protects it from all damage and keeps it close at hand at all times (Plus versions).



Transparent quick coupling for filling the machine, with filter.

Technical characteristics

- **IMMEDIATE TOTAL STOP**

The machine goes off automatically when the trigger gun is released. Increases the life of the pump.

- **LONG LIFE ALLUMINIUM PUMP**

Axial pump with aluminum alloy head.

- **STAINLESS STEEL PISTONS**

Pistons with excellent mechanical characteristics.

- **UNIVERSAL MOTOR**

Ultra-light with copper windings for easy movement.

- **THERMAL CUTOUT**

The motor is protected from excessively high temperatures by a thermal cutout.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Max water inlet temp. (°C)	Electric cable (m)	Hose (m)	Weight (Kg)	Dimensions (cm)
IDAF 94232	G 131-C I1306A-M	Total Stop I	130/13	370	1-230-50-8,2	1,7	50	5	5	9	33x30x73
IDAF 94233	G 131-C P I1306A-M	Total Stop I	130/13	370	1-230-50-8,2	1,7	50	5	6,5	10	33x30x73

Recommended optional accessories



Fixed brush
Code SPID 40010



Rotobrush
Code SPID 40011



Lance for washing floors
Code LCLC 40009



Hose extension H.P. 8 m
Code TBAP 40110



Drain Kit 8 m
Code TBAP 40111



Sandblaster Kit
Code KTRI 40238



G135-145-151-161-155-165



Standard professional hose reel where it is possible to wind easily and rapidly the hose in order to protect it from any damage (Plus version).



8 m H.P. hose
Code TBAP 40107
12 m H.P. hose (Plus version)
Code TBAP 40108



Gun with athermic extension
Code IPPR 40012



Turbo nozzle
Code LCPR 40078 (IDAF 94234 - IDAF 94236)
Code LCPR 40079 (IDAF 94240 - IDAF 94244)
Code LCPR 40080 (IDAF 94238 - IDAF 94242)



Lance with adjustable head and Turbo nozzle
Code LCPR 40074 (IDAF 94240 - IDAF 94244)
Code LCPR 40075 (IDAF 94234 - IDAF 94236)
Code LCPR 40076 (IDAF 94238 - IDAF 94242)



Thanks to the particular chemical injection system and the two tanks (0,6l) of this machine, it is possible to deliver and adjust the quantity of two different detergents.



The starting handgrip, the detergent tap and the inlet water connection are placed on the front side of machine.



With a simple lever placed next to the hose reel, the hose can be blocked at the desired lengths.



Standard supports for gun, lance and lance with rotating nozzle to have them ready to be used.



Thanks to electric cable reel, it is possible to rewind the feeding cable when working operations are finished.

Technical characteristics

- **IMMEDIATE TOTAL STOP**

The machine goes off automatically when the trigger gun is released. Increases the life of the pump.

- **PUMP**

Axial pump with head in aluminium or brass in AO models.

- **STAINLESS STEEL PISTONS**

Pistons with excellent mechanical characteristics.

- **MOTOR**

Electric induction motor, two pole. Maintenance free.

- **THERMAL CUTOUT**

The motor is protected from excessively high temperatures by a thermal cutout.

- **GAUGE (G155-C PI1508AO-M / G165-C PI1610AO-M)**

Professional gauge to constantly check the working pressure.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Max water inlet temp. (°C)	Hose (m)	Electric cable (m)	Weight (Kg)	Dimensions (cm)
● IDAF 94234	G 135-C I 1307A-M	Total Stop I	130/13	390	1-230-50-9,0	1,9	50	8	5	17,8	38x33x84
■ IDAF 94236	G 145-C I 1408A-M	Total Stop I	140/14	460	1-230-50-10,9	2,3	50	8	5	18,6	38x33x84
■ IDAF 94238	G 151-C I 1508A-M	Total Stop I	150/15	500	1-230-50-11,5	2,5	50	8	5	21,6	38x33x84
■ IDAF 94240	G 161-C I 1610A-M	Total Stop I	160/16	600	1-230-50-14,2	3	50	8	5	22,8	38x33x84
■ IDAF 94242	G 155-C I 1508AO-M	Total Stop I	150/15	500	1-230-50-11,5	2,5	50	8	5	22,6	38x33x84
■ IDAF 94244	G 165-C I 1610A-M	Total Stop I	160/16	600	1-230-50-14,2	3	50	8	5	23,6	38x33x84

All versions are also available in the Plus version which, as well as the standard accessories, also includes 12 m H.P. hose with screw coupling and hose reel.

Recommended optional accessories



Fixed brush
Code SPID 40010



Rotobrush
Code SPID 40011



Lance for washing floors
Code LCLC 40009 ●
Code LCLC 40010 ■



Hose extension H.P. 8 m
Code TBAP 40112



Drain Kit 8 m
Code TBAP 40111



Sandblaster Kit
Code KTRI 40239



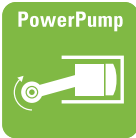
Mudguard lance
Code LCPR 29360



Plunged ejector device
Code KTRI 29366



G-POWER



Standard professional hose reel where it is possible to wind easily and rapidly the hose in order to protect it from any damage (Plus version).

The motor and the pump are in a horizontal position, for a great stability and ease of movements.



8 m hose with screw coupling
Code TBAP 28305



Trigger gun with heatproof
extension and swivel coupling
Code IPPR 40010



Lance with adjustable head
Code LCPR 40057
(IDAF 94188 - IDAF 94194 - IDAF 94196)
Code LCPR 40046
(IDAF 94192 - IDAF 94198)
Code LCPR 40049 (IDAF 94196)



Removable transparent cover for an easy and rapid maintenance.



The starting handgrip, the detergent tap and the inlet water connection are placed on the front side of machine.



With a simple lever placed next to the hose reel the hose can be blocked at the desired length (PLUS models).



Standard supports for gun, lance and lance with rotating nozzle to have them ready to be used.



Lance support as standard.

Technical characteristics

● MOTOR

Asynchronous motor, 2-pole (2800 rpm).
4 pole (1400 rpm), 1310 P4 models.

● PUMP

IPC pump with separate by-pass, complete with pressure adjustment knob to adapt the pressure to the surface to be washed.

The motor and pump are mounted horizontally, while the structure is vertical. This improves the stability and manoeuvrability of the machine, which also occupies less space, even when stored, maintaining the natural working position of the pump-motor group at all times.

● PRESSURE GAUGE

Professional pressure gauge to monitor work pressure at all times.

● STRONG STRUCTURE

that is resistant to thermal shocks, atmospheric agents and chemical corrosion.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Chemical tank (l)	Weight (Kg)	Dimensions (cm)
IDAF 94188	G-POWER C 1509P M	By Pass	30÷150/3÷15	540	1-230-50-12	2,8	2800	3	29,8	49x40x93
IDAF 94194	G-POWER C 11509P M	Total Stop I	30÷150/3÷15	540	1-230-50-12	2,8	2800	3	30	49x40x93
IDAF 94192	G-POWER C 1813P T	By Pass	30÷180/3÷18	800	3-400-50-8,6	4,7	2800	3	35,4	49x40x93
IDAF 94198	G-POWER C 11813P T	Total Stop I	30÷180/3÷18	800	3-400-50-8,6	4,7	2800	3	35,4	49x40x93
IDAF 94196	G-POWER C 11310P4 M	Total Stop I	30÷130/3÷13	600	1-230-50-13,3	2,7	1400	3	34,6	49x40x93

All versions are also available in the Plus version which, as well as the standard accessories, also includes 12 m H.P. hose with screw coupling, lance with turbo nozzle and hose reel.

Recommended optional accessories



Sandblaster kit M22



Sand bag 50kg
Code PRCH 00065



Fixed hydro-brush lance
Code SPID 24939



Mudguard lance
Code LCPR 29360



Drain Kit 10 m
Code TBAP 23853



Lance for washing floors
Code LCLC 49492



Foam head
Code LCPR 24937



Cold water high pressure washers

FTP



HOSE REEL with 15 m H.P. flexible hose (standard accessories in Plus models).

LANCE WITH ADJUSTABLE HEAD for high/low pressure switching and jet angle adjustment.



Lance
Code LCPR 40048 (IDAF 40394 - IDAF 40395 - IDAF 40399)
Code LCPR 40049 (IDAF 40398 - IDAF 40403 - IDAF 40396 - IDAF 40401)
Code LCPR 40047 (IDAF 40397)
Code LCPR 93810 (IDAF 40402)
Code LCPR 93816 (IDAF 40400)



H.P. flexible hoses 10 m
Code TBAP 25324



Handgrip
Code IPPR 40007



New IPC pump with brass head and ceramic pistons.



Pressure adjustment knob.



Built-in cable reel support.



Detergent tank.



Built-in lance holder to keep everything with reach at all times.

Technical characteristics

MOTOR

- Asynchronous motor, 2-pole for three-phase models and models FTP-C 1615 P T - 1913 P T.
- Asynchronous motor, 4-pole for single-phase models and model FTP-C 1915 P T.
- Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components for models FTP-C 1915P T - FTP-C D1915P M.

DESIGN

- Sturdy forged aluminium alloy frame and large diameter wheels.

- Built-in ergonomic handle, lance holder and hose support. The machine also has a cable support.
- Built-in 7.5 litre detergent tank for low pressure detergent delivery.

ACCESSORIES

- Trigger gun with swivel in all versions. Avoids irritating twisting of the hose.
- H.P. hose with screw couplings.
- Lance with high/low pressure switching head and regulation of jet angle.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
■ IDAF 40394	FTP-C 1112P M	By Pass	30÷110/3÷11	320÷720	1-230-50-14,8	3,2	1400	7,5	42	73x48x88
● IDAF 40395	FTP-C 1310P M	By Pass	30÷130/3÷13	300÷600	1-230-50-14,8	3,2	1400	7,5	42	73x48x88
■ IDAF 40396	FTP-C 1615P T	By Pass	30÷160/3÷16	450÷900	3-400-50-9,6	5,1	2800	7,5	42,3	73x48x88
▲ IDAF 40397	FTP-C 1913P T	By Pass	30÷190/3÷19	400÷800	3-400-50-9,6	5,1	2800	7,5	42,3	73x48x88
■ IDAF 40398	FTP-C 1915P T	By Pass	30÷190/3÷19	450÷900	3-400-50-9,8	5,4	1400	7,5	48,4	73x48x88
■ IDAF 40399	FTP-C D1112P M	Total Stop D	30÷110/3÷11	320÷720	1-230-50-14,8	3,2	1400	7,5	41,9	73x48x88
● IDAF 40400	FTP-C D1310P M	Total Stop D	30÷130/3÷13	300÷600	1-230-50-14,8	3,2	1400	7,5	41,9	73x48x88
■ IDAF 40401	FTP-C D1615P T	Total Stop D	30÷160/3÷16	450÷900	3-400-50-9,6	5,1	2800	7,5	42,7	73x48x88
▲ IDAF 40402	FTP-C D1913P T	Total Stop D	30÷190/3÷19	400÷800	3-400-50-9,6	5,1	2800	7,5	42,7	73x48x88
■ IDAF 40403	FTP-C D1915P T	Total Stop D	30÷190/3÷19	450÷900	3-400-50-9,8	5,4	1400	7,5	48,4	73x48x88

All versions are also available in the Plus version which, as well as the standard accessories, also includes hose reel, turbo nozzle and 15 m H.P. hose.

Recommended optional accessories



Sandblaster kit M22



Sand bag 50kg
Code PRCH 00065



Fixed hydro-brush lance
Code SPID 24939



Mudguard lance
Code LCPR 29360



Drain Kit 10 m
Code TBAP 23853



Lance for washing floors
Code LCLC 49492 ●
Code LCLC 49493 ▲
Code LCLC 49494 ■



Foam head
Code LCPR 24937



Cold water high pressure washers

N. ELITE



HOSE REEL with 15 m H.P. hose (optional accessory, standard in Plus models)



LANCE HOLDER
Built-in lance holder.



Lance
Code LCPR 40046
(IDAF 40420 - IDAF 40418 - IDAF 40422 -
IDAF 40424 - IDAF 40434 - IDAF 40436)
Code LCPR 40047
(IDAF 40432 - IDAF 40430)
Code LCPR 40048
(IDAF 40426 - IDAF 40428)
Code LCPR 40049
(IDAF 40414 - IDAF 40416)



H.P. flexible hose 10 m
Code TBAP 25324



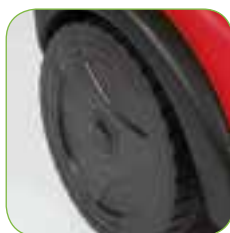
Trigger gun with Swivel joint
Code IPPR 40010



Pressure adjustment knob.



Built-in 7.5 litre detergent tank for low pressure detergent delivery.



Large diameter wheels to facilitate movement.



ON/OFF knob.



Large front foot for greater stability.

Technical characteristics

MOTOR

- Asynchronous motor, 2-pole in models 1310P and 1813P
- Asynchronous motor, 4-pole in models 1310P4 - 1112P4 - 1813P4 - 1915P4.

- Sturdy frame and large diameter wheels.
- Built-in ergonomic handle, lance holder and hose support.
- The machine also has a cable support.
- Thermostatic valve (By Pass versions only) to protect the pump from excessively high water temperatures during the By Pass phase. (By Pass Models)

DESIGN

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
● IDAF 40414	N.ELITE-C 1310P M	By Pass	30÷130/3÷13	600	1-230-50-14,7	3,3	2800	7,5	41,4	74x43x81
● IDAF 40418	N.ELITE-C 1813P T	By Pass	30÷180/3÷18	800	3-400-50-8,6	4,7	2800	7,5	43	74x43x81
■ IDAF 40422	N. ELITE-C 1112P4 M	By Pass	30÷110/3÷11	720	1-230-50-14,5	3,2	1400	7,5	41,4	74x43x81
● IDAF 40426	N.ELITE-C 1310P4 M	By Pass	30÷130/3÷13	600	1-230-50-14,5	3,1	1400	7,5	41,4	74x43x81
● IDAF 40430	N.ELITE-C 1813P4 T	By Pass	30÷180/3÷18	800	3-400-50-9,0	4,7	1400	7,5	43	74x43x81
■ IDAF 40434	N.ELITE-C 1915P4 T	By Pass	30÷190/3÷19	900	3-400-50-9,4	5,1	1400	7,5	49,4	74x43x81
● IDAF 40416	N.ELITE-C I1310P M	Total Stop I	30÷130/3÷13	600	1-230-50-14,7	3,3	2800	7,5	41,4	74x43x81
● IDAF 40420	N.ELITE-C I1813P T	Total Stop I	30÷180/3÷18	800	3-400-50-8,6	4,7	2800	7,5	43	74x43x81
■ IDAF 40424	N. ELITE-C D1112P4	Total Stop D	30÷110/3÷11	720	1-230-50-14,5	3,2	1400	7,5	41,4	74x43x81
● IDAF 40428	N.ELITE-C D1310P4 M	Total Stop D	30÷130/3÷13	600	1-230-50-14,5	3,1	1400	7,5	41,4	74x43x81
● IDAF 40432	N.ELITE-C D1813P4 T	Total Stop D	30÷180/3÷18	800	3-400-50-9,0	4,7	1400	7,5	50	74x43x81
■ IDAF 40436	N.ELITE-C D1915P4 T	Total Stop D	30÷190/3÷19	900	3-400-50-9,4	5,1	1400	7,5	50	74x43x81

All versions are also available in the Plus version which, as well as the standard accessories, also includes hose reel, turbo nozzle and 15 m H.P. hose.

Recommended optional accessories



Sandblaster kit



Sand bag 50 kg
Code PRCH 00065



Fixed hydro-brush lance
Code SPID 24939



Mudguard lance
Code LCPR 29360



Drain Kit 10 m
Code TBAP 23853



Lance for washing floors
Code LCLC 49492 ●
Code LCLC 49494 ■



Foam head
Code LCPR 24937



Hose couplings
Code RCIN 10810



Cold water high pressure washers

ROYAL



HOSE REEL
Standard accessory in Plus versions.



ERGONOMIC handle with lance holder, cable support and hose support to keep everything within reach at all times.



H.P. flexible hose 10 m
Code TBAP 25324



Trigger gun with Swivel joint
Code IPPR 40010



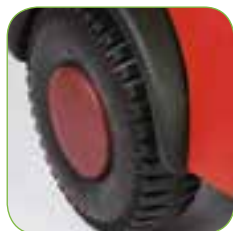
Lance
Code LCPR 40050 (IDAF 40440 - IDAF 40442)
Code LCPR 40047 (IDAF 40345 - IDAF 40346)
Code LCPR 40056 (IDAF 40443 - IDAF 40445)



Pressure adjustment knob.



Built-in detergent tank.



Large diameter wheels to facilitate movement.



ON/OFF knob.



Sturdy painted steel frame.

Technical characteristics

MOTOR

- Asynchronous motor, 4-pole.

DESIGN

- Sturdy shockproof structure, resistant to thermal shock and adverse weather conditions.
- Professional pressure gauge to monitor work pressure at all times.



THERMOSTATIC VALVE

- To protect the pump from high temperatures in the By Pass phase. (By Pass models)

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
● IDAF 40345	ROYAL-C 2117P T	By Pass	30÷210/3÷21	1000	3-400-50-12,0	6,4	1400	4	68,2	77x51x88
■ IDAF 40440	ROYAL-C 1718P T	By Pass	30÷170/3÷17	1100	3-400-50-12,2	6,3	1400	4	68,2	77x51x88
■ IDAF 40443	ROYAL-C 1622P T	By Pass	30÷160/3÷16	1300	3-400-50-12,0	6,2	1400	4	68,2	77x51x88
● IDAF 40346	ROYAL-C D2117P T	Total Stop D	30÷210/3÷21	1000	3-400-50-12,0	6,4	1400	4	68,2	77x51x88
■ IDAF 40442	ROYAL-C D1718P T	Total Stop D	30÷170/3÷17	1100	3-400-50-12,2	6,3	1400	4	68,2	77x51x88
■ IDAF 40445	ROYAL-C D1622P T	Total Stop D	30÷160/3÷16	1300	3-400-50-12,0	6,2	1400	4	68,2	77x51x88

All versions are also available in the Plus version which, as well as the standard accessories, also includes hose reel, turbo nozzle and 15 m H.P. hose.

Recommended optional accessories



Sandblaster kit
Code LCPR 14859 ●
Code LCPR 14860 ■



Sand bag 50kg
Code PRCH 00065



Fixed hydro-brush lance
Code SPID 24939



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406



Plunged ejector device
Code KTRI 29366



Hydro-brush lance
Code SPID 24911



Hose couplings
Code RCIN 10810



EVOLUTION



HANDLE
Sturdy ergonomic handle for convenient easy manoeuvring.



HOSE REEL
Manual hose reel, enabling the hose to be stored simply, protecting it from all damage. (Standard in Plus Models)



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip G5000 + extension
Code IPPR 40002



Double lance Inox PD 70
Code LCPR 12983



Nozzle for lance H.P.
Code UGLN 49991 (IDAF 40449)
Code UGLN 49996 (IDAF 40447)
Nozzle for lance L.P.
Code UGLN 89941



Pressure can be adjusted from the machine. Pressure adjustment knob enables pressure to be adapted to the various cleaning needs.



Detergent tank holding 25 litres.



Single knob for switching the machine ON and OFF and adjusting the amount of detergent.



The large diameter wheels, wide tread and swivelling wheel with brake give the machine great stability while at the same time making it easy to move.

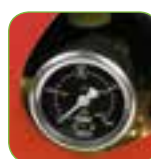


The cable reel enables the power cable to be stored tidily at the end of work.

Technical characteristics

MOTOR

- Electric motor, 4-pole, 1400 rpm, double bearing and thermal cutout. Extends the working life of mechanical components.
- Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components.



PRESSURE GAUGE

- Professional pressure gauge to monitor work pressure at all times.

ACCESSORIES COMPARTMENTS

- Useful convenient accessories compartments for trigger gun, lance and lance with rotating nozzle to keep them tidy and ready for use.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAF 40447	EVOLUTION-C5 PD2021P T	Total Stop D	30÷200/3÷20	1260	3-400-50-15,6	8,4	1400	25	81,2	82x48x87
IDAF 40449	EVOLUTION-C5 PD2517P T	Total Stop D	30÷250/3÷25	1000	3-400-50-17,0	9,5	1400	25	89,8	82x48x87

All version are available in the Plus version which, as well as the standard accessories, also includes hose reel and 15 m H.P. hose.

Recommended optional accessories



Lance with double nozzle holder
Code LCPR 24906



Flexible hose
15 m Code TBAP 40062
20 m Code TBAP 44379



Drain kit
10 m Code TBAP 23853
20 m Code TBAP 24406



Mudguard lance
Code LCPR 29360



Rotating hydro-brush lance
Code SPID 24911



Foam head
Code LCPR 24937



Extension P70 Sandblaster



Hose couplings
Code RCIN 10810




COMBO



STURDY STRUCTURE
Sturdy painted steel frame with stainless steel protection.

Easy access to all internal components to simplify maintenance.



Lance
Code LCLC 42786 (IDAF 40526)



Handgrip
Code IPIP 40010 (IDAF 40526)



H.P. flexible hose 10 m
Code TBAP 25324
Code TBAP 40104 (IDAF 40526)



Handgrip
Code IPPR 40010
(IDAF 40451 - 40453 - 40455 -
40452 - 40454 - 40456)



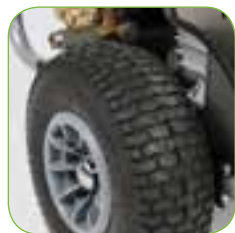
Extension P70
Code LCPR 12976



Nozzle for lance
Code UGLN 02299 (IDAF 40451 - 40453 -
40452 - 40454)
Code UGLN 49986 (IDAF 40455 - 40456)
Code UGLN 40002 (IDAF 40526)



Easy handling on every kind of surface (concrete, dirt tracks, gravel, etc.) thanks to the excellent weight distribution and ergonomic handle.



Two large diameter tyred wheels with wide tread, ideal for moving the machine on all types of surface.



ON/OFF knob.



Steel load-bearing structure designed to absorb all vibrations generated by the machine.



Provided with lance holder.

Technical characteristics

MOTOR

- Asynchronous, 1400 rpm. Guarantees the mechanical components a long and maintenance free working life. Protected with thermal cutout.
- Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components.



THERMOSTATIC VALVE

- Thermostatic valve to protect the pump from possible overheating of the water during by-pass phase. (By Pass models)

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
▲ IDAF 40451	COMBO 1922P T	By Pass	30÷190/3÷19	1300	3-400-50-15,0	8,2	1400	-	89	103x70x72
▲ IDAF 40453	COMBO 2122P T	By Pass	30÷210/3÷21	1300	3-400-50-15,9	8,5	1400	-	89	103x70x72
● IDAF 40445	COMBO 2517P T	By Pass	30÷250/3÷25	1000	3-400-50-16,7	9,4	1400	-	93	103x70x72
▲ IDAF 40452	COMBO D1922P T	Total Stop D	30÷190/3÷19	1300	3-400-50-15,0	8,2	1400	-	89	103x70x72
▲ IDAF 40454	COMBO D2122P T	Total Stop D	30÷210/3÷21	1300	3-400-50-15,9	8,5	1400	-	89	103x70x72
● IDAF 40456	COMBO D2517P T	Total Stop D	30÷250/3÷25	1000	3-400-50-16,7	9,4	1400	-	93	103x70x72
IDAF 40526	COMBO D3515P T	Total Stop D	30÷350/3÷35	900	3-400-50-20,5	11,0	1400	-	115	117x67x70

Recommended optional accessories



Lance with double nozzle holder
▲ Code LCPR 24906



Flexible hose
▲ 15 m Code TBAP 40062
▲ 20 m Code TBAP 44379



Mudguard lance
▲ Code LCPR 29360



Hydro-brush lance
▲ Code SPID 24911



Foam head
▲ Code LCPR 24937



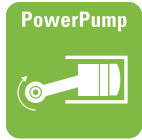
Drain Kit
▲ 10 m Code TBAP 23853
▲ 20 m Code TBAP 24406



Hose couplings
● Code RCIN 10810



ABSOLUTE



FRAME in 40 dia. steel tube with stainless steel covers.



The low voltage controls guarantee maximum user safety.



Nozzle for lance
Code UGLN 07790 (IDAF 40349)
Code UGLN 05200 (IDAF 40350)
Code UGLN 40002 Nozzle sapphire (IDAF 40351)



H.P. flexible hoses 15 m
Code TBAP 40054 (IDAF 40349)
Code TBAP 40050 (IDAF 40350 - IDAF 40351)



Handgrip
Code IPPR 40006 (IDAF 40349)
Code IPPR 40005 (IDAF 40350 - IDAF 40351)



Lance P70
Code LCPR 40028 (IDAF 40349)
Code LCPR 40026 (IDAF 40350 - IDAF 40351)



Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components.



Thermostatic valve to protect the pump from possible overheating of the water.



High capacity self-cleaning filter.



The machine is fitted with two lance holders and hooks for safe lifting.



Easy handling on every kind of surface (concrete, dirt tracks, gravel, etc.) thanks to the excellent weight distribution, ergonomic handle and large diameter wheels.

Technical characteristics

- Remote controlled "Safety-Stop" (ST) shuts the machine down after 3' of inactivity or definitively in the event of leaks in the water circuit and/or no water.
- The pump and motor are easy to disconnect for all maintenance.
- 15 m power cable.
- Stainless steel By Pass device (Model S 5015 PT).
- Electric motor: asynchronous, continuous duty, 1400 rpm with automatic Y/Δ ignition.
- H.P. crankshaft pump: high performance, mechanical components with low working temperature; low noise levels, brass head for a long working life, ceramic pistons, high resistance to wear.
- Button to fill the water circuit manually with anti-freeze fluid to avoid the devices freezing if the machine is left outside.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
▲ IDAF 40349	ABSOLUTE-C S2041P T	Safety Stop ST	30÷200/3÷20	2500	3-400-50-31	17,5	1450	-	181,2	120x70x100
● IDAF 40350	ABSOLUTE-C S3521P T	Safety Stop ST	30÷350/3÷35	1300	3-400-50-29,8	17,5	1450	-	182,8	120x70x100
● IDAF 40351	ABSOLUTE-C S5015P T	Safety Stop ST	30÷500/3÷50	1000	3-400-50-29,8	17,5	1450	-	184,6	120x70x100

Recommended optional accessories



Rotating lance 500b
Code LCPR 40031 (IDAF 40351)



Hose couplings
● Code RCIN 40011
▲ Code RCIN 40012



Extension P70 Sandblaster head
● Code LCPR 40042



Sand bag 50kg
Code PRCH 00065



Rotating lance P70
Code LCPR 40032 (IDAF 40350)



Rotating lance P70
Code LCPR 40033 (IDAF 40349)



Drain Kit 5/16
10 m Code TBAP 40070 (IDAF 40351)
15 m Code TBAP 40071 (IDAF 40351)
10 m Code TBAP 40072 (IDAF 40350)
15 m Code TBAP 40073 (IDAF 40350)



Cold water high pressure washers

BENZ



PETROL MOTOR



BENZ-C H1811Pi P



BENZ-C H2013Pi P



BENZ-C L2021Pi P



BENZ-C L DL2217Pi P



Extension P70
Code LCPR 40013



Flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPPR 89429



Nozzle for lance
Code UGLN 05199 (IDAF 40356 - IDAF 40358)
Code UGLN 49990 (IDAF 40352 - IDAF 40353 - IDAF 40354 - IDAF 40355)
Code UGLN 49995 (IDAF 40357 - IDAF 40359)



The anti-vibration coupling between the pump and engine extends the working life of the components and simplifies maintenance.



The HS 2620 has a thermostatic valve to protect the pump from possible overheating of the water.



Honda GX air-cooled 4-stroke petrol engines with overhead valves.



L versions are fitted with a reduction gear in oil bath to extend the working life of the pump.



Multipurpose valve:
 - Easy Start: to start the motor effortlessly.
 - Thermostatic valve: to protect the pump from possible overheating.
 - By Pass
 - Pressure regulation: to adjust pressure to the surface.

Technical characteristics

BENZ-C H1811Pi P

- THERMOSTATIC valve.
- 280 mm dia. wheels.

BENZ L

- Motor revolutions reduction gear.

ALL OTHERS MODELS

- H.P. crankshaft pump with brass head and ceramic pistons.
- Petrol motors, Honda GX serie, air-cooled 4-stroke overhead valves, manual start and low oil sensor.

- THERMOSTATIC valve and EASY START.
- DL models are equipped with hydraulic decelerator for reduction of motor revolutions during By Pass phase, which allows to reduce consumptions, noise and to increase mechanical components working life.
- Grab bar and tubular steel bumper with rests for lance or gun.
- Steel supporting structure designed to absorb all motor vibrations.
- Pressure adjustment.
- Low pressure detergent delivery with control on lance.
- 315 mm dia. wheels.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Motor type	Motor (Hp)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAF 40352	BENZ-C H1811Pi P	By Pass	30÷180/3÷18	330-660	GX 200	6,5	3600	-	40,2	86x56x54
IDAF 40353	BENZ-C H2013Pi P	By Pass	30÷200/3÷20	400-800	GX 270	9,0	3600	-	62	105x66x75
IDAF 40354	BENZ-C H2515Pi P	By Pass	30÷250/3÷25	450-900	GX 390	13	3600	-	67,2	105x66x75
IDAF 40355	BENZ-C H DL2515Pi P	By Pass	20÷250/2÷25	450-900	GX 390	13	3600	-	68	105x66x75
IDAF 40356	BENZ-C L2216Pi P	By Pass	30÷220/3÷22	500-1000	GX 390	13	1500	-	74	105x66x75
IDAF 40357	BENZ-C L2021Pi P	By Pass	30÷200/3÷20	630-1260	GX 390	13	1500	-	74	105x66x75
IDAF 40358	BENZ-C L DL2217Pi P	By Pass	30÷220/3÷22	500-1000	GX 390	13	1500	-	74,8	105x66x75
IDAF 40359	BENZ-C L DL2021Pi P	By Pass	30÷200/3÷20	630-1260	GX 390	13	1500	-	75,4	105x66x75

Recommended optional accessories



Flexible hose
 15 m Code TBAP 40062
 20 m Code TBAP 44379



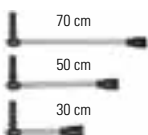
Hose couplings
 Code RCIN 10810



Lance with double nozzle holder
 Code LCPR 24906



Mudguard lance
 Code LCPR 29360



Double lance
 30 cm Code LCPR 12981
 50 cm Code LCPR 12982
 70 cm Code LCPR 12983



Sandblaster kit
 Code LCPR 14858



Hose reel
 Code KTRI 40186

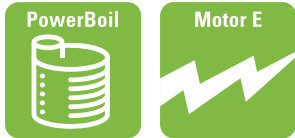


Drain Kit 5/16
 10 m Code TBAP 23853
 20 m Code TBAP 24406



Hot water generator

FIRE BOX



HOT WATER GENERATOR

Heats cold water to 140°C, indispensable where hot water is needed for more effective washing.



Output coupling M22 x 1.5 male.
Input coupling 3/8" male.



High pressure, high temperature hose with M22 couplings (for connecting to water cleaner).
Code TBAP 29050 (+ RCIN 03755)



High pressure high temperature hose with M22 couplings (for connecting to the high pressure washer).



Cover and trolley in painted sheet metal, two fixed wheels + one swivelling wheel with brake.



New high efficiency, long life, weld-free boiler made entirely from stainless steel.



Single-phase burner motor directly connected to fan and diesel fuel pump.

Technical characteristics

- Double turn coil made from steel tubing, treated with high temperature paints. The coil in the FIRE 30 is 30 m long; the coil in the FIRE 40 is 40 m long.
- Heats cold water with a minimum feed pressure of 4 bars.
- Input coupling 3/8" male
- Safety devices: check valve, safety valve, and flow meter to check for the absence of water.

Code	Model	Pressure (bar)	Water Flow (l/h)	Voltage (Ph-V-Hz)	Absorbed power (kW)	Burner fuel consumption (Kg/h)	Fuel tank (l)	Weight (Kg)	Dimensions (cm)
CDVE 49715	FIRE BOX 30 M	175	360÷1260	1-230-50	0,3	5,8	18	107,8	79x75x92
CDVE 49716	FIRE BOX 40 M	200	360÷1260	1-230-50	0,3	7,4	18	110,8	79x75x92



Hot water high pressure washers

Decades of experience have allowed IPC Portotecnica to develop a wide range of specialist hot water pressure washers for all type of use and application. IPC Portotecnica exclusive "IPC Power Pump" crankshaft pumps give these models the power to handle even the toughest jobs, while robust "IPC Power Boil" boilers guarantee unrivalled performance under all operating conditions. All IPC Portotecnica pressure washers are easy to maintain. Just lift the cover and all serviceable components are readily accessible. A wide range of accessories is also available to add to the versatility of each model and to meet all possible market needs.

HOT LINE page 34



Sectors	
Agriculture	○ ○ ○ ○ ○ ○ ○ ○
Automotive	○ ○ ○ ○ ○ ○ ○ ○
Building	○ ○ ○ ○ ○ ○ ○ ○
Hardware	● ● ○ ○ ○ ○ ○ ○
Industry	○ ○ ○ ○ ○ ○ ○ ○

Utilization x day	
h 0	8



UNIVERSE page 36



Sectors	
Agriculture	○ ○ ○ ○ ○ ○ ○ ○
Automotive	○ ○ ○ ○ ○ ○ ○ ○
Building	○ ○ ○ ○ ○ ○ ○ ○
Hardware	● ● ○ ○ ○ ○ ○ ○
Industry	○ ○ ○ ○ ○ ○ ○ ○

Utilization x day	
h 0	8



CHALLENGE page 38



Sectors	
Agriculture	● ● ○ ○ ○ ○ ○ ○
Automotive	● ● ○ ○ ○ ○ ○ ○
Building	● ● ○ ○ ○ ○ ○ ○
Hardware	● ● ○ ○ ○ ○ ○ ○
Industry	● ● ○ ○ ○ ○ ○ ○

Utilization x day	
h 0	8



RUNNER - RUNNER/4 page 40



Sectors	
Agriculture	● ● ● ● ○ ○ ○ ○
Automotive	● ● ● ● ○ ○ ○ ○
Building	● ● ● ● ○ ○ ○ ○
Hardware	● ● ● ● ○ ○ ○ ○
Industry	● ● ● ● ○ ○ ○ ○

Utilization x day	
h 0	8



OPTIMA - OPTIMA/4 page 44



Sectors	
Agriculture	● ● ● ● ○ ○ ○ ○
Automotive	● ● ● ● ○ ○ ○ ○
Building	● ● ● ● ○ ○ ○ ○
Hardware	● ● ● ● ○ ○ ○ ○
Industry	● ● ● ● ○ ○ ○ ○

Utilization x day	
h 0	8



SYNC page 48



Sectors	
Agriculture	● ● ● ● ● ● ● ●
Automotive	● ● ● ● ● ● ● ●
Building	● ● ● ● ● ● ● ●
Hardware	○ ○ ○ ○ ○ ○ ○ ○
Industry	● ● ● ● ● ● ● ●

Utilization x day	
h 0	8





HPS page 52



Sectors	
Agriculture	●●●●●●●●
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



TWOCK page 54



Sectors	
Agriculture	●●●●●●●●
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



SKID FUEGO page 56



Sectors	
Agriculture	○●○●○●○●○●○●○●○●○●○
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



VD 200 MD A.E. page 58



Sectors	
Agriculture	○●○●○●○●○●○●○●○●○●○
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



MD 200 SILENT page 60



Sectors	
Agriculture	○●○●○●○●○●○●○●○●○●○
Automotive	●●●●●●●●
Building	●●●●●●●●
Hardware	○●○●○●○●○●○●○●○●○●○
Industry	●●●●●●●●



HOT LINE



HOSE REEL
Code KTRI 91326
(Optional accessory for IDAC 40430
Standard accessory for IDAC 40431)

DIESEL TANK capacity of 4 litres,
transparent to monitor diesel level
at all times.

HOT LINE-H I1207A M

Lance CMB P 2004
Extension
Turbo head
Gun
H.P. hose 8 m
Foam kit SWING

Code LCTE 91693
Code LCPR 91704
Code LCTE 81742
Code IPPR 93838
Code TBAP 20264
Code LCPR 90295

HOT LINE-H I1408A M

Gun with SWIVEL
Multireg lance
Turbo lance
Professional foam kit
H.P. Hose 8 m

Code IPPR 40007
Code LCPR 93173
Code LCPR 40011
Code LCPR 40040
Code TBAP 93872



Sturdy ergonomic handle for convenient easy manoeuvring.



ON/OFF and hot water knob.



Large front foot for greater stability.



The large diameter wheels facilitate movement of the machine.



Built-in lance holder.

Technical characteristics

MOTOR

- Electric induction motor, 2-pole (2800 rpm), with thermal cutout. Maintenance free
- Boiler ventilation with independent motor.
- Diesel pump resistant to water and/or impurities.
- Delayed diesel injection to avoid smoke during boiler start-up.

BOILER

- Painted steel boiler for greater thermal and mechanical resistance and a longer working life. High efficiency combustion in respect of international rules and standards. No tools required for disassembly making cleaning and/or maintenance quicker. Double turn coil for maximum efficiency.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40430	HOT LINE-H I1207A M	Total Stop I	30÷120/3÷12	400	1-230-50-9,5	2,1	2800	0,5	48,6	64x48x75
IDAC 40431	HOT LINE-H I1408A M	Total Stop I	30÷140/3÷14	450	1-230-50-10,5	2,4	2800	1	48,6	64x48x75

For both models, the output water temperature is 55°C. Diesel tank capacity of 4 litres.

Recommended optional accessories



Fixed hydro-brush lance
Code KTRI 94031
(IDAC 40430)



Foam head
Code KTRI 94039
(IDAC 40430)



Rotating hydro-brush lance
Code SPID 24911
(IDAC 40431)



Fixed hydro-brush lance
Code SPID 24939
(IDAC 40431)



Hydro-brush lance
Code KTRI 94032
(IDAC 40430)



Drain Kit
8 m Code KTRI 94037
15 m Code KTRI 94038
(IDAC 40430)
10 m Code TBAP 23853
(IDAC 40431)



Hot water high pressure washers

UNIVERSE



HOSE REEL (Optional)
Code KTRI 39112



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPPR 40010



Double lance Inox P70
Code LCPR 12983



Nozzle for lance H.P.
Code UGLN 49991
Nozzle for lance L.P.
Code UGLN 05174



Sturdy ergonomic handle for convenient easy manoeuvring.



Sturdy structure, shockproof, resistant to thermal shock and atmospheric agents.



The 4 large diameter wheels make the machine stable and facilitate movement on all surfaces (concrete, dirt tracks, gravel, etc.).



Diesel tank holding 10 litres.



Simple electric panel complete with ON/OFF and output water temperature adjustment knob.

Technical characteristics

- Low pressure detergent delivery controlled from lance.
- Pressure adjustment and steam knob accessible from outside, allowing pressure to be adapted to various cleaning situations.
- Crankshaft pump with brass head and ceramic pistons.
- Pressure gauge to monitor work pressure at all times.
- Lance holder and H.P. hose support.
- Thanks to the numerous accessories, including trigger gun with heatproof extension, 70 cm double stainless steel lance with pressure control device and detergent control, 10 m high pressure and temperature hose.
- The safety level is guaranteed by:
 - adjustable thermostat to modulate and limit water temperature;
 - automatic pressure switch;
 - safety valve to limit possible overpressure.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40393	UNIVERSE-H D1110P M	Total Stop D	40÷110/4÷11	300÷600	1-230-50-13	2,7	2800	10	78,8	96x66x88
IDAC 40394	UNIVERSE-H D1813P T	Total Stop D	40÷180/4÷18	390÷780	3-400-50-8,7	4,7	2800	10	89,2	96x66x88

For the D1110P M model, the output water temperature is 70÷120°C. For the D1813P T model, the output water temperature is 65÷120°C. For both models, fuel tank capacity of 10 litres. Burner fuel consumption is 3,2 kg/h (D1110P M) - 3,3 kg/h (D1813P T).

Recommended optional accessories



Hydro-brush lance
Code LCPR 29362



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Drain Kit 10 m.
Code TBAP 23853



Plunged ejector device
Code KTRI 29366



Hose couplings
Code RCIN 10810



CHALLENGE



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPPR 40010



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 49990
(IDAC 40432 - IDAC 40433)
Code UGLN 49991
(IDAC 40434)



Simple electric panel with ON/OFF switch and temperature regulation thermostat.



Sturdy ergonomic handles for convenient easy manoeuvring.



The large diameter rear wheels and large swivelling wheel with brake facilitate movement of the machine.



Eight litre detergent tank and 12 litre fuel tank. Large diameter filler.



Convenient accessories compartment to keep everything within reach at all times.

Technical characteristics

- Electric motor: asynchronous, 2-pole (2800 rpm) in D1310A and D1613P models. Asynchronous, 4-pole (1400 rpm) in the D1310P model. High efficiency with thermal cutout.
- Pressure adjustment and steam knob, allowing pressure to be adapted to various cleaning situations.
- Water softener device with flow rate adjustable according to water hardness.

CHALLENGE-H D 1310A M:

Axial pump designed for a long working life. Reinforced bearings, brass head, ceramic pistons and gaskets for a long working life.

CHALLENGE-H D 1310 P M / D 1613 P T:

Crankshaft pump with brass head and ceramic pistons.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40432	CHALLENGE-H D1310A M	Total Stop D	40÷130/4÷13	300÷600	1-230-50-13,5	3	2800	8	93,8	98x67x81
IDAC 40433	CHALLENGE-H D1310P M	Total Stop D	40÷130/4÷13	300÷600	1-230-50-13,5	3	1400	8	93,8	98x67x81
IDAC 40434	CHALLENGE-H D1613P T	Total Stop D	40÷160/4÷16	300÷780	3-400-50-8,5	5	2800	8	89,4	98x67x81

For the D1310 models, the output water temperature is 30÷140°C. For the D1613 P model, the output water temperature is 30÷100°C. In all models, diesel tank capacity of 14 litres. Fuel consumption is 3.2 kg/h.

Recommended optional accessories



Rotating hydro-brush lance
Code SPID 24911



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Lances for washing floors



Drain Kit 10 m.
Code TBAP 23853



Plunged ejector device
Code KTRI 29366



Hose couplings
Code RCIN 10810



Hot water high pressure washers

RUNNER



Easy access for maintenance



Hose reel with folding handle (Optional) KTRI 40235



H.P. hose, 315 bar, 150°C, 10 m with screw couplings
Code TBAP25324



Trigger gun with heat protection and swivel.
Characteristics: 350 bar-150°C
Code IPPR 40010



New stainless steel lance with screw-on nozzle guard
Code LCPR40087



Nozzle for lance



By Pass valve separate from pump, with adjustment knob. The valve is complete with knob locking device. The valve is accessible from the outside.



New stainless steel boilers with steel coil and top opening for maintenance.



The fillers are positioned to facilitate filling.



Two lance holders, one with locking system.



Accessories compartment.

Technical characteristics

- IPC crank type pump with brass head and ceramic pistons. Pump oil level visible from the outside.
- Electric motor 2 or 4 poles (according to model), asynchronous and air-cooled.
- Intelligent Total Stop remote control: temporarily shuts the machine down after 15" of inactivity or definitively if there is no water and/or there are leaks in the circuit.
- Structure consists of: painted steel frame, shockproof plastic shell. Rear wheels 305 mm, front wheels 125 mm, with brake and electric cable support. Fuel tank 25 l, detergent tank 22 l.



Control panel with:
- ON/OFF switch
- Thermostat with ECO MODE indicator
- Detergent tap
- Pressure gauge.



24V water softener device, with adjustable flow. The door allows the liquid to be topped up without removing the cover.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Fuel tank (l)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40520	RUNNER-H D1309P M	Total Stop ITS	40÷130/4÷13	280÷560	1-230-50	2,8	2800	25	22	100	110x70x81
IDAC 40522	RUNNER-H D1813P T	Total Stop ITS	40÷180/4÷18	400÷800	3-400-50	4,3	2800	25	22	100	110x70x81
IDAC 40519	RUNNER-H D1012P4 M	Total Stop ITS	40÷100/4÷10	360÷720	1-230-50	3,3	1400	25	22	100	110x70x81
IDAC 40521	RUNNER-H D1310P4 M	Total Stop ITS	40÷130/4÷13	300÷600	1-230-50	3,3	1400	25	22	100	110x70x81
IDAC 40523	RUNNER-H D1813P4 T	Total Stop ITS	40÷180/4÷18	390÷800	3-400-50	4,6	1400	25	22	100	110x70x81
IDAC 40524	RUNNER-H D1915P4 T	Total Stop ITS	40÷190/4÷19	450÷900	3-400-50	5	1400	25	22	100	110x70x81

In all models, the output water temperature is 30÷140°C.

For the models D1309 - D1713 - D1012 - D1310 the fuel consumption is 3,2 Kg/h and 5,8 Kg/h for the other models.

Recommended optional accessories



Rotating hydro-brush lance
Code SPID 24911



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Lances for washing floors



Drain Kit 10 m
Code TBAP 23853



Plunged ejector device
Code KTRI 29366



Hose couplings
Code RCIN 10810



RUNNER/4



Easy access for maintenance



Hose reel with folding handle (Optional) KTRI 40235



H.P. hose, 315 bar, 150°C, 10 m with screw couplings
Code TBAP 25324



Trigger gun with heat protection and swivel.
Characteristics: 350 bar-150°C
Code IPPR 40010



New stainless steel lance with screw-on nozzle guard
Code LCPR 40087



Nozzle for lance



By Pass valve separate from pump, with adjustment knob. The valve is complete with knob locking device. The valve is accessible from the outside.



New stainless steel boilers with steel coil and top opening for maintenance.



Rear wheels 305 mm, front wheels 260 mm for an easy manoeuvring in all surfaces.



Two lance holders, one with locking system.



Accessories compartment.

Technical characteristics

- IPC plunger type pump with brass head and ceramic pistons. Pump oil level visible from the outside.
- Electric motor 2 or 4 poles (according to model), asynchronous and air-cooled.
- Intelligent Total Stop remote control: temporarily shuts the machine down after 15" of inactivity or definitively if there is no water and/or there are leaks in the circuit.
- Structure consists of: painted steel frame, shockproof plastic shell. Rear wheels 305 mm, front wheels 260 mm, with brake and electric cable support. Fuel tank 25 l, detergent tank 22 l.



Control panel with:
- ON/OFF switch
- Thermostat with ECO MODE indicator.
- Detergent tap - Pressure gauge.



24V water softener device, with adjustable flow. The door allows the liquid to be topped up without removing the cover.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Fuel tank (l)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40526	RUNNER-H4 D1309P M	Total Stop ITS	40÷130/4÷13	280÷560	1-230-50	2,8	2800	25	22	100	110x70x81
IDAC 40528	RUNNER-H4 D1813P T	Total Stop ITS	40÷180/4÷18	400÷800	3-400-50	4,3	2800	25	22	100	110x70x81
IDAC 40525	RUNNER-H4 D1012P4 M	Total Stop ITS	40÷100/4÷10	360÷720	1-230-50	3,3	1400	25	22	100	110x70x81
IDAC 40527	RUNNER-H4 D1310P4 M	Total Stop ITS	40÷130/4÷13	300÷600	1-230-50	3,3	1400	25	22	100	110x70x81
IDAC 40529	RUNNER-H4 D1813P4 T	Total Stop ITS	40÷180/4÷18	390÷800	3-400-50	4,6	1400	25	22	100	110x70x81
IDAC 40530	RUNNER-H4 D1915P4 T	Total Stop ITS	40÷190/4÷19	450÷900	3-400-50	5	1400	25	22	100	110x70x81

In all models, the output water temperature is 30÷140°C.

For the models D1309 - D1713 - D1012 - D1310 the fuel consumption is 3,2 Kg/h and 5,8 Kg/h for the other models.

Recommended optional accessories



Rotating hydro-brush lance
Code SPID 24911



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Lances for washing floors



Drain Kit 10 m
Code TBAP 23853



Plunged ejector device
Code KTRI 29366

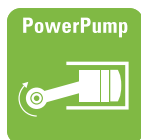


Hose couplings
Code RCIN 10810



Hot water high pressure washers

OPTIMA



HOSE REEL (Optional)
Code KTRI 45716



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPPR 40010



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 49990
(IDAC 40435)
Code UGLN 49991
(IDAC 40436 - IDAC 40437)
Code UGLN 49987 (IDAC 40455)



Ergonomic handle for easy convenient transport, complete with lance holder.



Control panel with: motor and burner start-up temperature regulation detergent tap professional pressure gauge to display working pressure at all times.



Useful convenient accessories compartments to keep everything within reach at all times.



Pressure adjustment and steam knob accessible from outside, allowing pressure to be adapted to various cleaning situations.



Swivelling wheel with brake to stabilise the machine on all surfaces.

Technical characteristics

- Electric motor, 4-pole, 1400 rpm, with double bearing and thermal cutout. Extends the working life of mechanical components.
- Pressure adjustment and steam knob accessible without moving the cover.
- Two large diameter front wheels and swivelling rear wheel making the machine more stable and easier to transport. The wheels are fixed to a steel frame.
- Detergent and fuel tanks holding 20 litres. With caps for emptying and cleaning.
- Water softener device with pump controlled by a circuit board. The amount of water softener can be adjusted according to water hardness.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40435	OPTIMA-H D1310P M	Total Stop D	40÷130/4÷13	300÷600	1-230-50-14,5	3,3	1400	20	123,4	105x75x90
IDAC 40436	OPTIMA-H D1813P T	Total Stop D	40÷175/4÷17,5	400÷800	3-400-50-8,6	4,6	1400	20	123,6	105x75x90
IDAC 40437	OPTIMA-H D1915P T	Total Stop D	40÷190/4÷19	450÷900	3-400-50-9,0	5,0	1400	20	125,2	105x75x90
IDAC 40455	OPTIMA-H D2017P T	Total Stop D	40÷200/4÷20	500÷1000	3-400-50-12,6	7,2	1400	20	143,4	105x75x90

In all models, the output water temperature is 30÷140°C. Diesel tank capacity of 20 litres. For the D1310 P M model, the fuel consumption is 4 kg/h. In the other models, it is 5,8 kg/h.

Recommended optional accessories



Rotating hydro-brush lance
Code SPID 24911



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Lances for washing floors



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406
(IDAC 40436 - IDAC 40437 -
IDAC 40455)



Plunged ejector device
Code KTRI 29366



Hose couplings
Code RCIN 10810



OPTIMA/4



HOSE REEL (Optional)
Code KTRI 40053



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPPR 40010



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 49990
(IDAC 40438)
Code UGLN 49991
(IDAC 40439 - IDAC 40440)
Code UGLN 49987 (IDAC 40456)



Ergonomic handle for easy convenient transport, complete with lance holder.



Easy handling on every kind of surface (cement, dirt tracks, gravel, etc.).



Control panel with:
 - motor and burner start-up
 - temperature regulation
 - detergent tap
 - professional pressure gauge to display working pressure at all times.



Wheel brake to stabilise the machine on all surfaces.



Machine designed for raising.

Technical characteristics

- Electric motor, 4-pole, 1400 rpm, with double bearing and thermal cutout. Extends the working life of mechanical components.
- Pressure adjustment and steam knob incorporated in the pump.
- Crankshaft pump with brass head and ceramic pistons.
- Antiscale device with pump controlled by electronic card. The quantity of product can be regulated according to water hardness.
- The four large diameter front wheels make the machine more stable and easier to transport. The wheels are fixed to a steel frame.
- The detergent and fuel tanks hold 20 litres and are incorporated in the trolley. With caps for emptying and cleaning.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40438	OPTIMA-H4 D1310P M	Total Stop D	40÷130/4÷13	300÷600	1-230-50-14,5	3,3	1400	20	129,8	105x75x90
IDAC 40439	OPTIMA-H4 D1813P T	Total Stop D	40÷175/4÷17,5	400÷800	3-400-50-8,6	4,6	1400	20	131,6	105x75x90
IDAC 40440	OPTIMA-H4 D1915P T	Total Stop D	40÷190/4÷19	450÷900	3-400-50-9	5	1400	20	131,6	105x75x90
IDAC 40456	OPTIMA-H4 D2017P T	Total Stop D	40÷200/4÷20	500÷1000	3-400-50-12,6	7,2	1400	20	149,8	105x75x90

In all models, the output water temperature is 30÷140°C. Diesel tank capacity of 20 litres. In the D1310 M model, the fuel consumption is 4 Kg/h. In the other models, it is 5,8 kg/h.

Recommended optional accessories



Rotating hydro-brush lance
Code SPID 24911



Fixed hydro-brush lance
Code SPID 24939



Foam head
Code LCPR 24937



Feeding kit
Code KTRI 29377



Lances for washing floors



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406
(IDAC 40439 - IDAC 40440 - IDAC 40456)



Plunged ejector device
Code KTRI 29366



Hose couplings
Code RCIN 10810



SYNC



HOSE REEL (optional)
Code KTRI 88654

- Stainless steel boiler with steel coil double loop (30 m long)



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip + extension
Code IPPR 40002



Double lance Inox PD70
Code LCPR 12983



Nozzle for lance
Code UGLN 49987



Water softener device with pump controlled by circuit board. The quantity of product can be regulated according to water hardness.



Pressure adjustment and steam knob accessible from the outside.



The fan and fuel pump are driven by an independent motor.



The machine is mounted on a moulded high density polyethylene frame. The trolley has lifting handles and an ergonomic handle for easy convenient transport.



Control panel with motor and burner ON/OFF switch, adjustable thermostat, detergent tap, pressure gauge. Indicator lights: micro-leaks, diesel and water softener level.

Technical characteristics

- Electric motor, 4-pole, 1400 rpm, with double bearing and thermal cutout. Extends the working life of mechanical components.
- H.P. crankshaft pump with brass head and ceramic pistons.
- Two 125mm swivelling wheels at the back and two 300mm front wheels make the machine stable and easy to transport.
- The detergent and fuel tanks and water tank are incorporated in the trolley. With caps for emptying.

- High pressure detergent delivery.



- High efficiency boiler mounted on a steel plate, 30 m double pass steel coil.
- The low voltage controls guarantee maximum user safety.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40441	SYNC-H D2017P T	Total Stop ITS	40÷200/4÷20	500÷1000	3-400-50-12,6	7,2	1400	25	155	109x70x87

The output water temperature is 30÷140°C. Fuel tank capacity of 25 litres. Burner fuel consumption is 5,8 kg/h.

Recommended optional accessories



Mudguard lance
Code LCPR 29360



Lance with double nozzle holder
Code LCPR 24906



Foam head
Code LCPR 24937



Fixed hydro-brush lance
Code SPID 24939



Lances for washing floors



Sandblaster kit
Code LCPR 14859
Sand bag 50kg
Code PRCH 00065



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406



Steam lance
Code LCPR 29363



SYNC



HOSE REEL (optional)
Code KTRI 88654

- Stainless steel boiler with steel coil double loop (40 m long)



H.P. flexible hoses 10 m
Code TBAP 25324 (IDAC 40442)
Code TBAP 40009 (IDAC 40443)



Handgrip + extension
Code IPPR 40002



Double lance Inox PD70
Code LCPR 12983



Nozzle for lance
Code UGLN 49996 (IDAC 40442)
Code UGLN 49995 (IDAC 40443)



Water softener device with pump controlled by circuit board. The quantity of product can be regulated according to water hardness.



Pressure adjustment and steam knob accessible from the outside.



The fan and fuel pump are driven by an independent motor.



The machine is mounted on a moulded high density polyethylene frame. The trolley has lifting handles and an ergonomic handle for easy convenient transport.



Control panel with motor and burner ON/OFF switch, adjustable thermostat, detergent tap, pressure gauge. Indicator lights: micro-leaks, diesel and water softener level.

Technical characteristics

- Electric motor, 4-pole, 1400 rpm, with double bearing and thermal cutout. Extends the working life of mechanical components.
- H.P. crankshaft pump with brass head and ceramic pistons.
- Two 125mm swivelling wheels at the back and two 300mm front wheels make the machine stable and easy to transport.
- The detergent and fuel tanks and water tank are incorporated in the trolley. With caps for emptying.

- High pressure detergent delivery.



- High efficiency boiler mounted on a steel plate, 40 m double pass steel coil.
- The low voltage controls guarantee maximum user safety.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40442	SYNC-H D1521P T	Total Stop ITS	40÷150/4÷15	650÷1300	3-400-50-13,5	7,2	1400	25	155	109x70x87
IDAC 40443	SYNC-H D1921P T	Total Stop ITS	40÷190/4÷19	650÷1300	3-400-50-14,4	8,5	1400	25	155	109x70x87

The output water temperature is 30÷140°C. Fuel tank capacity of 25 litres. Burner fuel consumption is 7,4 kg/h.

Recommended optional accessories



Mudguard lance
Code LCPR 29360



Lance with double nozzle holder
Code LCPR 24906



Foam head
Code LCPR 24937



Fixed hydro-brush lance
Code SPID 24939



Lances for washing floors



Sandblaster kit
Code LCPR 14859
Sand bag 50kg
Code PRCH 00065



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406



Steam lance
Code LCPR 29363



HPS



HOSE REEL
(Standard in IDAC 40446 and IDAC 40447 models)
Code KTRI 86962



Nozzle for lance
Code UGLN 49997 (IDAC 40444 - IDAC 40446)
Code UGLN 49996 (IDAC 40445 - IDAC 40447)



H.P. flexible hoses
10 m Code TBAP 40009 (IDAC 40444 - IDAC 40445)
15 m Code TBAP 07778 (IDAC 40446 - IDAC 40447)



Handgrip + extension
Code IPPR 40002



Double lance Inox PD70
Code LCPR 12983



Pressure adjustable from the outside.



The 16 litre detergent tank and 30 litre fuel tanks are built into the trolley. With caps for emptying and cleaning.



Ergonomic handles for easy convenient transport.



Two swivelling wheels at the back and two front wheels make the machine stable and easy to transport.



Control panel with motor and burner ON/OFF switch, adjustable thermostat, detergent tap, pressure gauge. Indicator lights: micro-leaks, diesel and water softener level.

Technical characteristics

- Electric motor: asynchronous, 1400 rpm. Guarantees the mechanical components a long and maintenance free working life. The motor is protected with thermal cutout.
- The low voltage controls guarantee maximum user safety.
- H.P. crankshaft pump with brass head and ceramic pistons.
- High efficiency stainless steel boiler, no rust formation. Double turn steel coil (40 m).
- Anti-vibration coupling between pump and motor.
- Boiler ventilation with independent motor.
- The electric panel is protected from splashes of water and dirt by a transparent cover.
- Water softener tank holding 3.5 litres.
- Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 40444	HPS-H D1521P T	Total Stop ITS	40÷150/4÷15	650÷1300	3-400-50-13	7,1	1400	16	174,6	131x77x95
IDAC 40445	HPS-H D1921P T	Total Stop ITS	40÷190/4÷19	650÷1300	3-400-50-16	8,5	1400	16	181,4	131x77x95
IDAC 40446	HPS-H P D1521P T	Total Stop ITS	40÷150/4÷15	650÷1300	3-400-50-13	7,1	1400	16	188	131x77x95
IDAC 40447	HPS-H P D1921P T	Total Stop ITS	40÷190/4÷19	650÷1300	3-400-50-16	8,5	1400	16	194,8	131x77x95

The output water temperature is 30÷140°C. Diesel tank capacity of 30 litres. Fuel consumption is 7.6 kg/h.

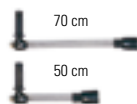
Recommended optional accessories



Mudguard lance
Code LCPR 29360



Lance with double nozzle holder
Code LCPR 24906



Double lance
50 cm Code LCPR 12982
70 cm Code LCPR 12983



Drain Kit
10 m Code TBAP 23853
20 m Code TBAP 24406



Lances for washing floors



Steam lance
Code LCPR 29363

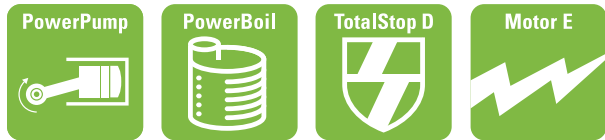


Hose couplings
Code RCIN 10810



Hot water high pressure washers

TWOCK



H.P. flexible hose 15 m
Code TBAP 40011



Handgrip G4500 + extension
Code IPPR 89429



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 02312 (IDAC 49713)
Code UGLN 02317 (IDAC 49714)



The H D2030DPi T model has a 6-pole electric motor (1000 Rpm), the H D1341Pi T model has a 4-pole motor (1450 Rpm). Both motors are protected by thermal cutout.



Remote Total Stop control with automatic reset.



In both models, high pressure crankshaft pump with six ceramic pistons and two brass heads.



Control panel with pump and burner control, thermostat, pressure gauge, steam and detergent valve, no oil and water softener light, emergency stop button.



Painted steel structure, easy to remove for all maintenance.

Technical characteristics

- Anti-vibration coupling between motor and pump.
- Burner shut down if the machine runs out of diesel.
- Two vertical boilers in painted steel with double turn coil made from steel tubing.
- Flame control device
- Automatic safety shut down of boiler.
- Pressure regulation and steam production valve.
- Diesel tank holding 54 litres.
- Stainless steel water tank holding 40 litres, with electric float control and solenoid valve.
- Water softener tank holding 3,5 litres.
- High pressure detergent delivery.
- 24V controls.
- Emergency stop button.
- Magnetothermic switch.
- Safety thermostat.
- Water softener delivery system.
- Epoxy powder painted steel load-bearing structure.
- Provision for fitting 2 lances.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Fuel tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 49714	TWOCK-H D1341Pi T	Total Stop D	30÷130/3÷13	2460	3-400-50-24,9	11	1450	54	448,4	140x86x86
IDAC 49713	TWOCK-H D2030Pi T	Total Stop D	30÷200/3÷20	1800	3-400-50-24,0	12,8	1000	54	448,4	140x86x86

The output water temperature is 30÷140°C. Burner fuel consumption is 8,4x2 kg/h.

Recommended optional accessories



Steam lance
Code LCPR 29363



Plunged ejector device
Code KTRI 29366



Lance holder
Code KTRI 28935



Hose couplings
Code RCIN 10810



Rotating arm
Code KTRI 28914



SKID FUEGO



PETROL MOTOR



H.P. flexible hose 10 m
Code TBAP 40009



Handgrip G4500
Code IPPR 89429



Lance 70 cm
Code LCPR 12976



Nozzle for lance
Code UGLN 49994



Stainless steel boiler with >89% efficiency. Painted steel 30m double turn coil.



Manual hose reel, enabling the hose to be stored simply, protecting it from all damage (optional).



Epoxy polyester powder coated tubular frame-trolley designed to attenuate all vibrations produced by the motor.



Manual pull handle (optional).



Designed to be lifted with lift truck and installed on a vehicle.

Technical characteristics

- Crankshaft pump with three ceramic pistons and forged brass head.
- Petrol-fuelled internal combustion engine, single cylinder, 4-stroke, HONDA GX 340-LXE, with rev reducer, electric starting, emergency recoil starter and "no oil" sensor.
- Decelerator to reduce the engine revs in the By Pass phase.
- Burner control devices triggered in the absence of water.
- Double turn 30 m coil made from painted steel tubing.
- Pressure and steam phase regulation.
- Thermostat for selecting water output temperature.
- Water tank with float control and filter.
- High pressure detergent delivery.
- Pump-motor connection with anti-vibration coupling for low vibrations, improves the reliability and working life of all mechanical components.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Outgoing water temperature (°C)	Motor type	Motor power (Hp)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 49710	SKID FUEGO-H L1818Pi P	By Pass	70÷180/7÷18	680÷1080	80÷120	Honda GX340LX	11	1800	16 (opt)	234,6	117x68x87

Burner fuel consumption is 5.6 kg/h. Diesel tank capacity of 26 litres. Antiscale device tank capacity of 1 litre (optional).

Recommended optional accessories



Feeding kit
Code KTRI 29377



Fixed hydro-brush lance
Code SPID 24939



Drain Kit
20 m Code TBAP 24406



Lance with double
nozzle holder
Code LCPR 24906



Mudguard lance
Code LCPR 29360



Hydro-brush lance
Code LCPR 29362



Steam lance
Code LCPR 29363

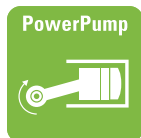


Hose couplings
Code RCIN 10810



Hot water high pressure washers

V 200 MD A.E.



**DIESEL
MOTOR**



H.P. flexible hose 10 m
Code TBAP 40009



Handgrip G4500
Code IPPR 89429



Lance 70 cm
Code LCPR 12976



Nozzle for lance
Code UGLN 05199



Swing cover to simplify maintenance.



Water output coupling.



Water input coupling.



H.P. crankshaft pump with three ceramic pistons and nickel-plated forged brass head.



Large diameter pneumatic wheels making the machine more stable and easy to transport on all types of ground.

Technical characteristics

- Ruggerini RD 210 two-cylinder diesel engine with electric starter.
- Automatic accelerator remote controlled from trigger gun.
- Safety check-up on engine with indication of:
 - no fuel;
 - engine shut down due to lack of lubrication;
 - engine shut down due to lack of fuel;
 - inadequate battery charge.
- Synchronous generator to power electronic equipment.
- Steel boiler.
- Double turn steel coil.
- Water softener device.
- Pressure and steam phase regulation.
- Built-in detergent tank.
- Built-in 27 litres diesel tank.
- Built-in 2 litres water softener tank.
- Water tank holding 7 litres with float control.
- Input water filter.
- Steel load-bearing structure designed to absorb all vibrations generated by the two cylinder engine.
- Epoxy powder painted.
- Swing cowling in painted fibreglass lined with soundproofing material.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Outgoing water temperature (°C)	Motor type	Motor power (Hp)	Motor Speed (rpm)	Fuel tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 49711	V 200 MD-H 2015Pi D	By Pass	30÷200/3÷20	900	30÷150	Ruggerini RD210 diesel	20	3000	27	380	130x86x84

Burner fuel consumption is 6.7 kg/h.

Recommended optional accessories



Plunged ejector device
Code KTRI 29366



Lance holder
Code KTRI 28935



Hose reel kit
Code AVTB 39119



Lance with double nozzle holder
Code LCPR 24906



Mudguard lance
Code LCPR 29360



Steam lance
Code LCPR 29363



Rotating arm
Code KTRI 28914

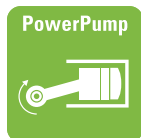


Hose couplings
Code RCIN 10810



Hot water high pressure washers

MD 200 SILENT



DIESEL
MOTOR



H.P. flexible hose 10 m
Code TBAP 40009



Handgrip G4500
Code IPPR 89429



Lance 70 cm
Code LCPR 12976



Nozzle for lance
Code UGLN 49987



Ruggerini RD 210 two-cylinder diesel engine with electric starter.



Double pass boiler.



Safety check-up on engine with indication of:
- no fuel;
- engine shut down due to lack of lubrication/fuel;
- inadequate battery charge.



Swing covers to simplify maintenance.



Water output coupling.

Technical characteristics

- H.P. crankshaft pump with three ceramic pistons and nickel-plated forged brass head.
- Automatic accelerator remote controlled from trigger gun.
- Synchronous generator to power electronic equipment.
- Double turn steel coil.
- Pressure and steam phase regulation.
- Built-in detergent tank.
- Built-in diesel fuel tank.
- Built-in water softener device with 2 litre tank.
- Input water filter.
- Steel load-bearing structure designed to absorb all vibrations generated by the two cylinder engine.
- Fixed frame mounted on skids for easy attachment to tow vehicle or similar.
- Maximum soundproofing obtained through almost total closure of the machine, enabling insulation of internal components.
- Double exhaust with silencer.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Outgoing water temperature (°C)	Motor type	Motor power (Hp)	Motor Speed (rpm)	Fuel tank (l)	Weight (Kg)	Dimensions (cm)
IDAC 49712	V 200 MD SIL-H 2015Pi D	By Pass	30±200/3±20	900	30±150	Ruggerini RD210 diesel	15	3000	54	461	148x86x135

Burner fuel consumption is 6.7 kg/h.

Recommended optional accessories



Plunged ejector device
Code KTRI 29366



Lance holder
Code KTRI 28935



Hose reel kit
Code AVTB 39119



Lance with double nozzle holder
Code LCPR 24906



Mudguard lance
Code LCPR 29360



Steam lance
Code LCPR 29363



Rotating arm
Code KTRI 28914



Hose couplings
Code RCIN 10810



Professional fixed pressure washers

Made to the highest quality standards, these models incorporate extremely reliable components like the "IPC Power Pump" for heavy duty applications and the ultra-robust "IPC Power Boil" boiler. Frames and casings are entirely made from stainless steel, and permit these units to be wall-mounted or installed as floor-standing models.

Fixes units are especially suited to applications like car washing, food processing and industry in general.





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Sectors	
Agriculture	○ ○ ○ ○ ○ ○ ○ ○
Automotive	● ● ● ● ● ● ● ●
Building	● ● ● ● ● ● ● ●
Hardware	○ ○ ○ ○ ○ ○ ○ ○
Industry	● ● ● ● ● ● ● ●



ML - SML page 66



Sectors	
Agriculture	○ ○ ○ ○ ○ ○ ○ ○
Automotive	● ● ● ● ● ● ● ●
Building	● ● ● ● ● ● ● ●
Hardware	○ ○ ○ ○ ○ ○ ○ ○
Industry	● ● ● ● ● ● ● ●



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Sectors	
Agriculture	○ ○ ○ ○ ○ ○ ○ ○
Automotive	● ● ● ● ● ● ● ●
Building	● ● ● ● ● ● ● ●
Hardware	○ ○ ○ ○ ○ ○ ○ ○
Industry	● ● ● ● ● ● ● ●



ML CMP



Holding metal plate to protect By Pass valve from mechanical stress.



By Pass valve with pressure/flow regulation.



H.P. flexible hose 10 m
Code TBAP 25324



Handgrip
Code IPIP 40006



Lance Inox 70 cm
Code LCLC 40004



Nozzle for lance
Code UGLN 49990 (IDAF 40360 - 40486)
Code UGLN 49991 (IDAF 40361 - 40535)
Code UGLN 49987 (IDAF 40362 - 40536 - IDAF 40363 - 40537)



New IPC H.P. plunger pump with brass head and three ceramic pistons.



4 pole asynchronous motor for the models MLC-C 1310P M e MLC-C 1915P T. 2 pole asynchronous motor for the model MLC-C 1813P T.



General switch with thermal protection.



High capacity inlet water filter.



Easy access to all components for an easy maintenance.

Technical characteristics

MLC-C

- General switch with thermal protection.
- REMOTE CONTROL: By Pass (IDAF 40360 ÷ IDAF 40363) - Delayed Total Stop (IDAF 40486 ÷ IDAF 40537)
- FILTER: High capacity inlet water filter.
- THERMOSTATIC VALVE to protect the pump from over temperature while left in By Pass phase. (By Pass model)

- Epoxy polyester powder coated tubular frame.
- It can be fixed to the floor or a bad plate.
- Superposing structure up to 4 models without the need of other accessories.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Max inlet water temperature (°C)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Weight (Kg)	Dimensions (cm)
IDAF 40360	MLC-C 1310P M	By Pass	30÷130/3÷13	600	50	1-230-50-12,1	2,9	1450	48,8	71x39x55
IDAF 40361	MLC-C 1813P T	By Pass	30÷180/3÷18	800	50	3-400-50-8,5	5,1	2800	48,8	71x39x55
IDAF 40362	MLC-C 1915P T	By Pass	30÷190/3÷19	900	50	3-400-50-9,5	6,5	1450	55	71x39x55
IDAF 40363	MLC-C 2117P T	By Pass	30÷200/3÷20	1000	50	3-400-50-12,0	7,5	1450	67	71x39x55
IDAF 40486	MLC-C D1310P M	Total Stop D	30÷130/3÷13	600	50	1-230-50-12,1	2,9	1450	48,8	71x39x55
IDAF 40535	MLC-C D1813P T	Total Stop D	30÷180/3÷18	800	50	3-400-50-8,5	5,1	2800	48,8	71x39x55
IDAF 40536	MLC-C D1915P T	Total Stop D	30÷190/3÷19	900	50	3-400-50-9,5	6,5	1450	55	71x39x55
IDAF 40537	MLC-C D2117P T	Total Stop D	30÷200/3÷20	1000	50	3-400-50-12,0	7,5	1450	67	71x39x55

Recommended optional accessories



Hose couplings
Code RCIN 10810



Hose reel kit
Code KTRI 37674



Hose reel kit
Code AVTB 39119



Rotating arm
Code KTRI 28914



Foam Head
Code LCPR 40039



Cold professional fixed pressure washers

ML - SML



H.P. flexible hose 10 m
Code TBAP 40010 (IDAF 40370 - IDAF 40371 - IDAF 40372
IDAF 40365 - IDAF 40367 - IDAF 40368)
Code TBAP 40009 (IDAF 40369)
Code TBAP 25324 (IDAF 40364 - IDAF 40366)



Handgrip
Code IPPR 89429



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 49987 (IDAF 40364 - IDAF 40369)
Code UGLN 02312 (IDAF 40365) - Code UGLN 49993 (IDAF 40366)
Code UGLN 49997 (IDAF 40367) - Code UGLN 49995 (IDAF 40368)
Code UGLN 75267 (IDAF 40370) - Code UGLN 02314 (IDAF 40371)
Code UGLN 49994 (IDAF 40372)



1450 rpm crank type pumps.



Total stop control with delay.



Optional hose reel. (Code KTRI 37674).



Optional inox hose reel (Code AVTB 39119).



Pressure gauge to monitor work pressure at all times.

Technical characteristics

ML-C - SML-C

- Crank type pump with ceramic pistons and forged brass head.
- Pump-motor connection with anti-vibration coupling.
- Continuous duty, four-pole electric motor with overload cut-out.
- Total stop control with delay.
- Provision for remote control (optional).
- High pressure detergent delivery with dosing from the machine.

- Electric control panel with IP 65 protection rating.
- Stainless steel frame. It can be fixed to the floor or a bedplate.
- High pressure detergent delivery with dosing from the machine
- Detergent tank available on request.

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Detergent tank (l)	Weight (Kg)	Dimensions (cm)
IDAF 40364	ML-C D1012Pi M	Total Stop D	100/10	720	3-400-50-14,2	3,2	1450	2x25 opt.	70	77x41x41
IDAF 40365	ML-C D1021Pi T	Total Stop D	100/10	1260	3-400-50-9,0	5,3	1450	2x25 opt.	83	77x41x41
IDAF 40366	ML-C D1515Pi T	Total Stop D	150/15	900	3-400-50-9,4	5,5	1450	2x25 opt.	83	77x41x41
IDAF 40367	ML-C D1521Pi T	Total Stop D	150/15	1260	3-400-50-14,0	7,1	1450	2x25 opt.	83	77x41x41
IDAF 40368	ML-C D1618Pi T	Total Stop D	160/16	1080	3-400-50-14,1	7,1	1450	2x25 opt.	83	77x41x41
IDAF 40369	ML-C D2015Pi T	Total Stop D	200/20	900	3-400-50-13,2	7,1	1450	2x25 opt.	83	77x41x41
IDAF 40370	SML-C D1030Pi T	Total Stop D	100/10	1800	3-400-50-12,0	7	1450	2x25 opt.	119,8	93x44x41
IDAF 40371	SML-C D1530Pi T	Total Stop D	150/15	1800	3-400-50-18,5	7,5	1450	2x25 opt.	119,8	93x44x41
IDAF 40372	SML-C D2021Pi T	Total Stop D	200/20	1260	3-400-50-17,0	9,4	1450	2x25 opt.	119,8	93x44x41

Max inlet water temperature: 50°C

Recommended optional accessories



Foam head
Code LCPR 39134



Lances for washing floors



Lance holder
Code KTRI 28935



Hose reel kit
Code KTRI 37674



Wall fixing bracket
Code KTRI 39249 (ML)
Code KTRI 75462 (SML)



Desk support
Code KTRI 39250 (ML)
Code KTRI 75369 (SML)



Hose reel kit
Code AVTB 39119

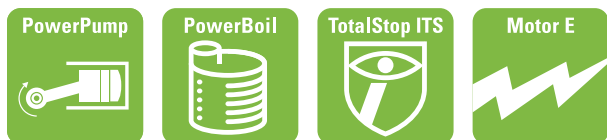


Rotating arm
Code KTRI 28914



Hot professional fixed pressure washers

IDROWAND - L



H.P. flexible hose 10 m
Code TBAP 40008
(IDAC 48036 - IDAC 48037 - IDAC 48038 - IDAC 48040)
Code TBAP 40009 (IDAC 48039)
Code TBAP 40010 (IDAC 48041)



Handgrip
Code IPPR 89429



Extension Inox P70
Code LCPR 12976



Nozzle for lance
Code UGLN 49993 (IDAC 48036 - IDAC 48037)
Code UGLN 49995 (IDAC 48038 - IDAC 48041)
Code UGLN 49987 (IDAC 48039)
Code UGLN 49997 (IDAC 48040)



CONTROL PANEL

- manometer
- steam tap
- detergent 1 flow regulator
- detergent 2 flow regulator



CONTROL PANEL

- on/off switch
- temperature regulator
- detergent selector
- power indicator
- burner function indicator
- burner shut-down indicator

Technical characteristics

- Crank type pump with three ceramic pistons and forged brass head.
- Pump-motor connection with anti-vibration coupling.
- Continuous duty, 1450 rpm, four-pole electric motor protected by overload cut-out.
- "ICS" Intelligent control safety system (intelligent total stop), microleak detection and total power down after 20' disuse.
- Burner control device shuts down operation if there is no pressure. Flame control device.
- Stainless steel boiler.
- 40 mt steel coil. In D1012Pi M and D1615Pi T models the coil is 30 mt long.
- Pressure and steam phase regulation.
- Provision for remote control (Optional).
- Thermostat for selecting water outlet temperature.
- High pressure detergent delivery, controlled by 2 solenoid valves at three ways, with the possibility to use alternatively two different detergents.
- Water tank with float control and filter.
- Anti-scale system with independent pump.
- Pilot lights indicating the machine and the burner functioning, plus the flame control.
- Enamelled steel base in epoxy-polyester, satiny stainless steel covers and structures.
- Possibility to be fixed to a wall, or upon an enamelled steel base.
- Hose reel kit available (optional) to be fixed to the machine.
- Pre-wired remote control device (optional).

Code	Model	Remote control	Pressure Max (bar/MPa)	Flow Rate Max (l/h)	Outgoing water temperature (l)	Main Supply (Ph-V-Hz-A)	Absorbed Power Max (kW)	Motor Speed (rpm)	Weight (Kg)	Dimensions (cm)
IDAC 48036	IWD-H D1012Pi M	Total Stop ITS	100/10	720	30÷120	1-230-50-14,0	3,2	1450	170	122x59x73
IDAC 48037	IWD-H D1615Pi T	Total Stop ITS	160/16	900	30÷120	3-400-50-10,5	6,5	1450	182	122x59x73
IDAC 48038	IWD-H D1618Pi T	Total Stop ITS	165/16,5	1080	30÷115	3-400-50-13,0	7,2	1450	182	122x59x73
IDAC 48039	IWD-H D2015Pi T	Total Stop ITS	200/20	900	30÷120	3-400-50-14,0	7,2	1450	183,8	122x59x73
IDAC 48040	IWD-H D1521Pi T	Total Stop ITS	150/15	1260	30÷115	3-400-50-13,0	7,2	1450	204,6	122x59x73
IDAC 48041	IWD-H D2021Pi T	Total Stop ITS	200/20	1260	30÷145	3-400-50-16,0	9,5	1450	204,6	131x59x73

For all models, detergent tanks of 2x25 litres (Optional).

Recommended optional accessories





IPC

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