

liquid cooled motor

intelligent delayed stop

24V CONTROLS

CRANKSHAFT PUMP

CERAMIC PISTONS

4-POLE 1450 RPM MOTOR

FLEXIBLE COUPLING

pressure absorber\*




\*only for H88

- Standard Accessories
- Trigger gun with safety lock and insulated handle, swivel coupling

Spray lance 700mm with insulated grip

High pressure & high temperature hose, 10m



Spray nozzle 15°


- 
- |  |             | H28              | H38              | H88              |
|--|-------------|------------------|------------------|------------------|
| Pressure (max.)                                | bar         | 100 (120)        | 150 (180)        | 250 (280)        |
| Maximum waterflow                              | ltr/hr      | 660              | 900              | 900              |
| Cold-hot water (max. flow) / steam temperature | °C          | 30-80 / 140      | 30-80 / 140      | 30-80 / 140      |
| Power load                                     | W           | 3000             | 5500             | 8700             |
| Power supply rating                            | V / Hz / ~  | 220-240 / 50 / 1 | 380-415 / 50 / 3 | 380-415 / 50 / 3 |
| Motor speed                                    | poles / rpm | 4 / 1450         | 4 / 1450         | 4 / 1450         |
| Detergent tank                                 | ltr         | 22               | 22               | 22               |
| Fuel (diesel) tank                             | ltr         | 22               | 22               | 22               |
| Descaler tank                                  | ltr         | 2.4              | 2.4              | 2.4              |
| Boiler fuel consumption                        | litres/hr   | 4.7              | 4.7              | 6.6              |
| Boiler thermal output                          | kW          | 58               | 58               | 88               |
| Max. inlet temperature                         | °C          | 40               | 40               | 40               |
| Dimensions (l x b x h)                         | cm          | 125 x 69 x 87    | 125 x 69 x 87    | 125 x 69 x 89    |
| Weight (nett)                                  | kg          | 138              | 147              | 173              |
| Cable length                                   | m           | 5                | 5                | 5                |
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Hot/Cold Water & Steam

High Pressure Cleaner Marathon Line

KLENCO

Details may be subject to change without notice

The H series Marathon Line are premium grade heavy duty industrial hot/cold water high pressure cleaners, and also steam cleaners, with full operating convenience and safety features. Their delivery temperature is up to a maximum 140°C steam output, or up to 80°C at the maximum flow rate. Designed for endurance and efficiency, the Marathon Line is the reliable workhorse for heavy and demanding cleaning jobs.

It effortlessly handles a wide range of industrial applications for *heavy duty cleaning* especially for the automotive, engineering, metal, aeronautics, petrochemical, marine, and any other sectors requiring high levels of heated cleaning, including typical hot water and steam cleaning applications such as degreasing, sterilisation and dewaxing. The steam function allows degreasing and sanitising without the use of pressure or high flow rate, making this a very versatile cleaner. While the strong available maximum flow rate and performance also makes it versatile and suitable for both heavy duty cold and hot water high pressure cleaning duties.

## STRENGTH IN FEATURES

### ● High efficiency steel/stainless steel diesel boiler

A heavy-duty 37.2m (H88)/ 32m (H28/38) double-spiral coil vertical design, its 93% thermal efficiency heats the water quickly to the required temperature. Has its own separate air intake fan.



### ● Safety stainless steel heat sensors; thermal and pressure overload protection

Thermostat controlled water temperature. Boiler switches off in event of water shortfall to avoid overheating and fuel wastage. Heating is controlled according to pump activity. Temperature gauge uses stainless steel sensors. Limit valve prevents system overpressure.

### ● Integrated large diesel and detergent tanks

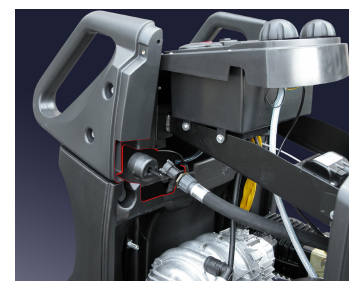
Provides long diesel heating ability. Detergent is fed by direct high pressure and controlled on panel.

### ● Automatic intelligent delayed stop

The activity monitoring system shuts down the motor after 15 seconds of trigger release, but reactivates automatically upon re-triggering; and for safety switches off the machine completely after 20 minutes of inactivity. Balances power savings with excessive stop/starts which damages high powered motors.

### ● Pressure absorber

A hydraulic dampener buffers the strong counterpressure when the trigger is released, to reduce damage and vibrations (H88 only).



### ● Heavy duty crankshaft pump & fully ceramic pistons

A rugged and highly engineered triplex pump design with integrated bypass valve.. Fully ceramic pistons and bronze head for superior life-long corrosion and abrasion resistance. Suction and delivery valves in stainless steel.



● **Polypropylene body shell**  
Provides lightweight but strong protection for internal components.

● **Electrophoresis coated steel chassis**  
Durable body frame protected against corrosion.



### ● Comprehensive and Accessible Controls

A clear and detailed integrated control panel for convenient operation and monitoring over all the key machine functions, including:

- Power switch
- Boiler operation & temperature level control
- Steam level adjustment control
- Detergent feed level control
- Pressure gauge
- Indicator & warning lights:
  - Power/standby status indicator
  - Overtriggering, low water & micro-leakage indicator
  - Boiler on & no fuel indicator

### ● 24V Low Voltage Control Circuits

Increases worker safety in the event of any electrical fault or leakage.

### ● Descaler feeder

Reduces scale formation in boiler coil (for hard water supplies). A unique patented system feeds the descaling agent reliably in proportion with the diesel input to the boiler during heating operations.

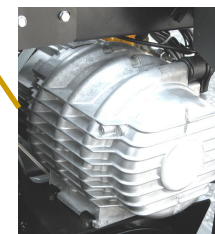


### ● Integrated water trough with double filters

An internal water reserve and recirculating tank with intake and output filtration maintains smooth water supply levels and cleanliness for the pump.

### ● Water cooled motor with stainless steel casing, and thermal protection sensing.

A unique stainless steel water jacket system, similar to a car engine radiator, provides superior motor cooling and therefore better efficiency and longevity. Water is also preheated before entering boiler. With a high temperature cut-out switch as a back-up safety feature.



### ● Anti-vibration absorptive coupling

A rubberised vibration dampening motor-pump coupling reduces wear and tear for longer operating life, and reduces sound levels.



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