



ITT

1300 series

Submersible
Wastewater Pump

The clear choice for
high-efficiency performance.



 **LOWARA**

The new 1300 series of

high-efficiency submersible wastewater pumps.

The most efficient system in the market.

Our unique, self-cleaning impeller and casing are specifically configured to process solids more easily and reduce clogging. The pumps consume less energy and hold up longer, even in high demand conditions.

Reduced maintenance.

Better processing of solids means less clogging, reducing costly maintenance activities. Minimized costly downtime allows for better use of your maintenance resources.

Greater durability for lower operating costs.

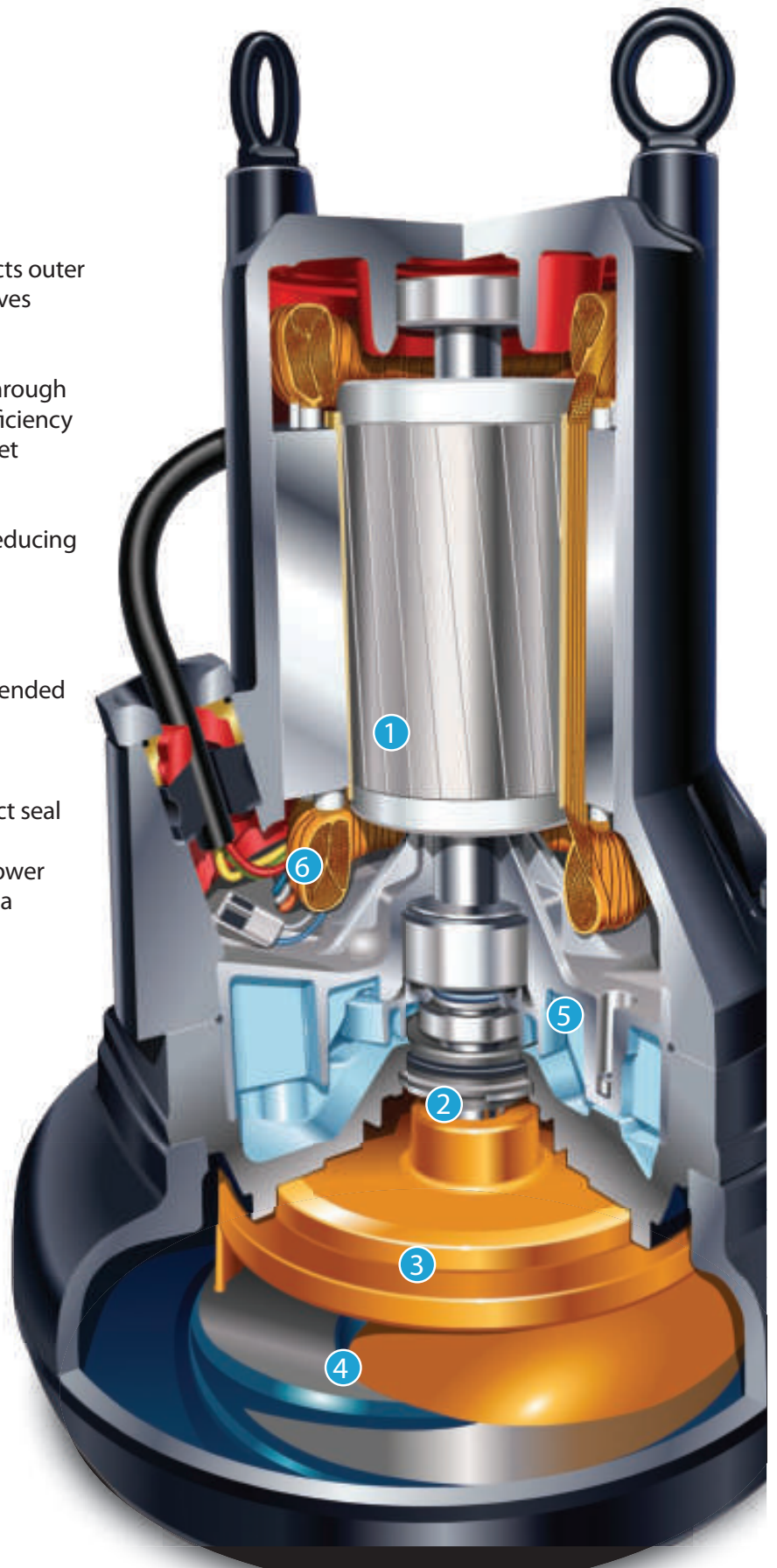
The motor, dual mechanical seal and specially designed seal chamber improve overall pump efficiency and durability. This means less wear over longer periods of time, reducing overall energy costs. The seals also last longer, with better leak detection, and feature hard faces that endure abrasive conditions found in wastewater applications.

They are designed for use anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

- Commercial/building services applications
- Sewage systems
- Dewatering/effluent
- Water transfer
- Light industrial and agriculture applications



- 1 Quality motor**
 - Efficient dissipation of heat
 - Improves overall pump efficiency
- 2 Seal protection chamber**
 - Specially designed seal chamber protects outer mechanical seal from debris and abrasives
- 3 Self-cleaning non-clog Impact impeller**
 - Clog resistance without need of large through let with the benefit of high hydraulic efficiency
 - Highest efficiency available to the market
- 4 Special relief groove**
 - Provides self cleaning flow path, thus reducing the risk of clogging
- 5 Seals**
 - Dual mechanical seal
 - Outer seal with hard faces results in extended mechanical seal life
- 6 Seal failure detection**
 - Unique float in motor chamber to detect seal failure without false alarms
 - If pumpage should begin to leak past lower seal, it indicates to pump control panel a fault has occurred.



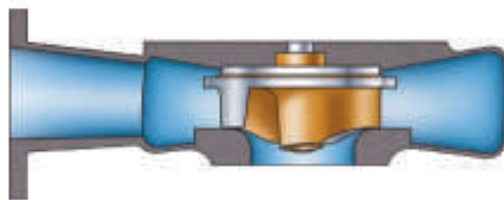
The impeller reduces clogging, eliminating build-up and efficiency loss.

The leading edge on most impellers is axial, the ideal shape for wastewater containing debris and other long stringy material to wrap around. The Impact impeller maintains pumping efficiency over longer periods of time due to its unique swept-back leading edge design and relief groove in the volute.



The volute design includes a relief groove that helps material pass through. Debris gets fed into the relief groove as the impeller turns, pulling them from the impeller and forcing them into the volute where they get pumped away.

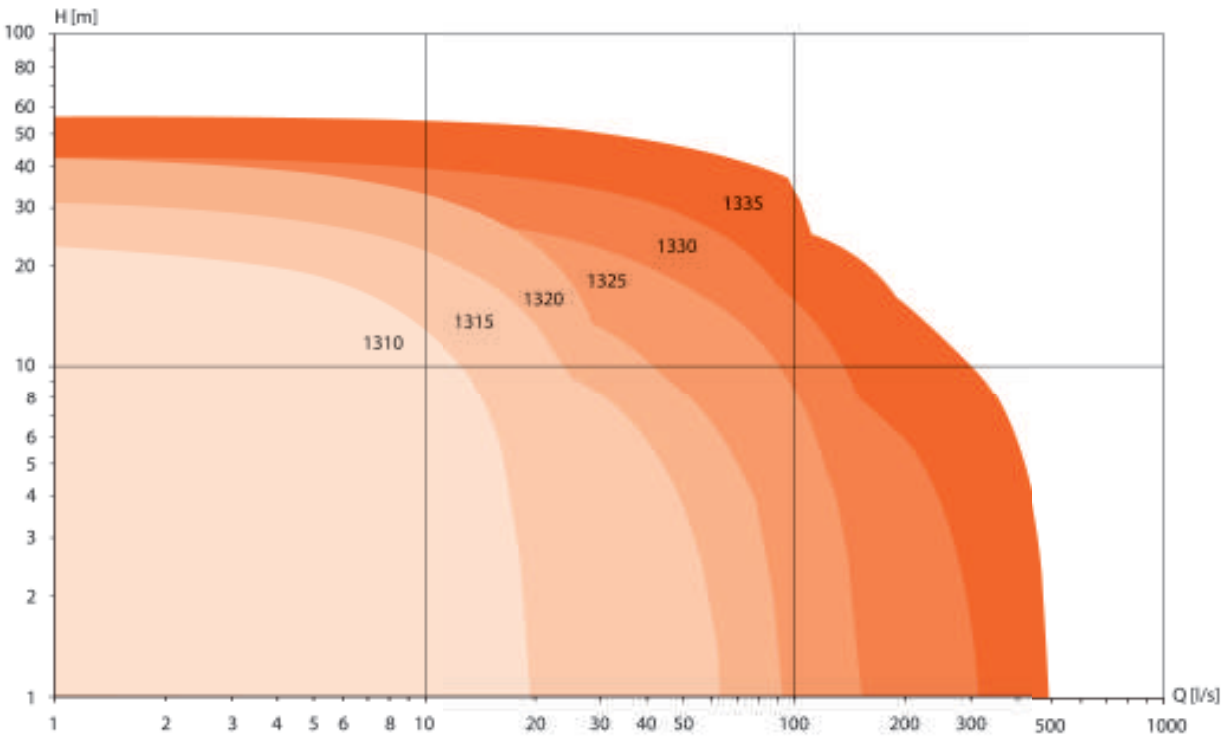
This new pump design has undergone extensive testing, showing considerably lower energy consumption, fewer running problems and operating at efficiencies which exceed market standards by 10-15%.



Self-cleaning hydraulics

Self-cleaning maintains a high level of efficiency, even in fluids with a high solids and fibrous content.

Performance ranges



1310



1315



1320



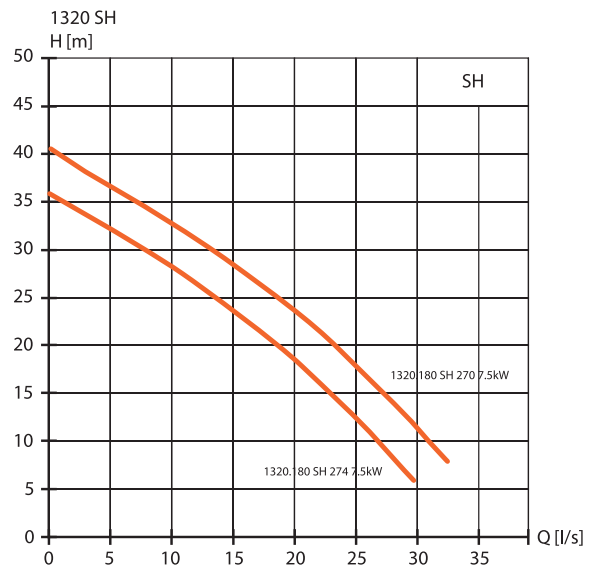
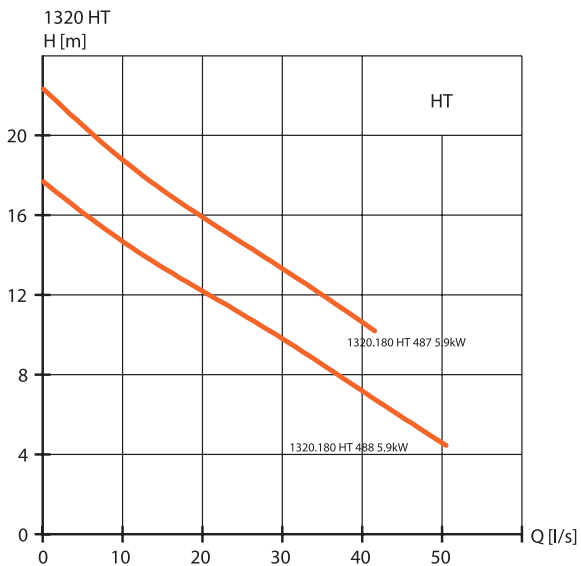
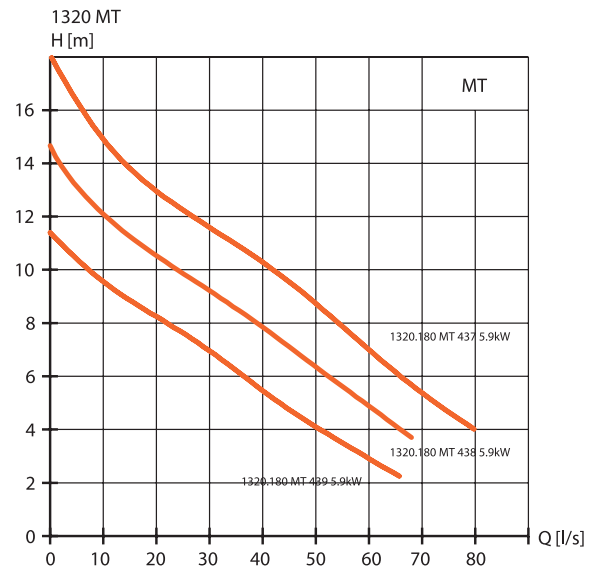
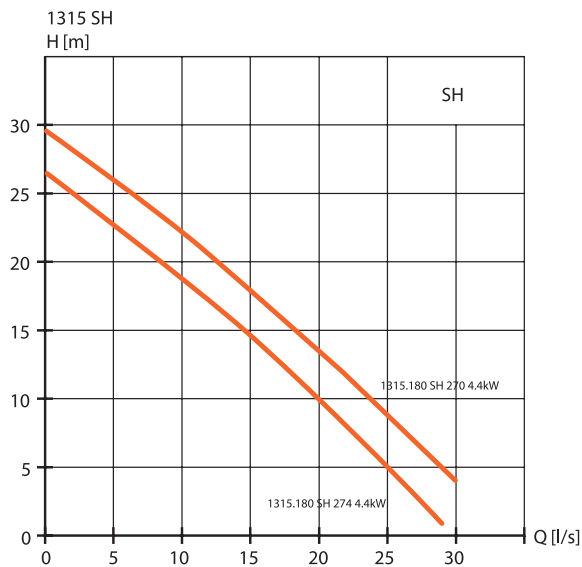
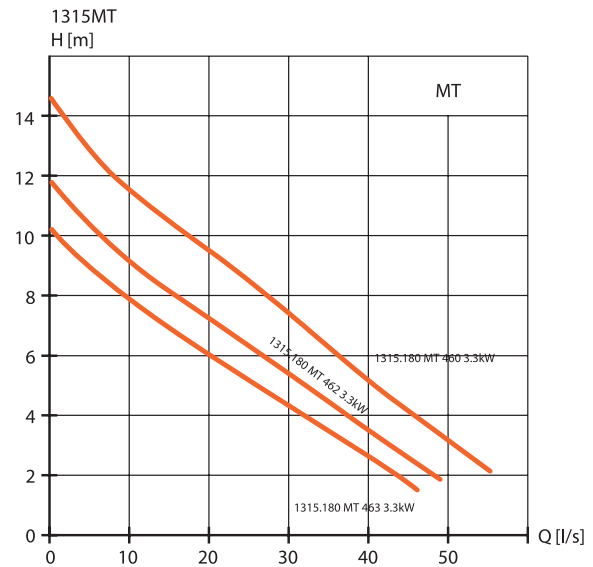
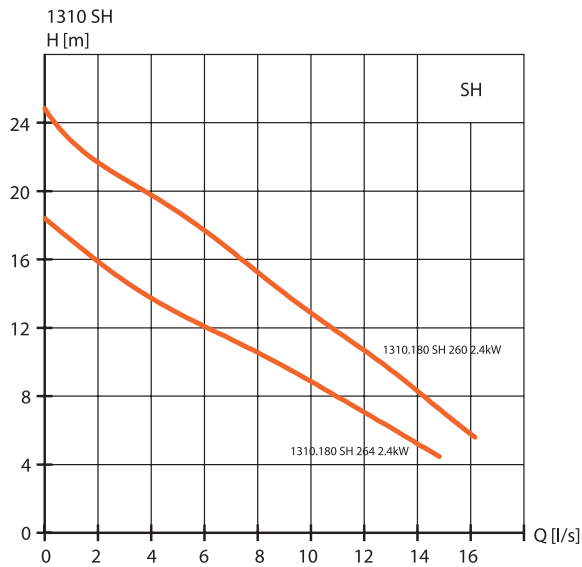
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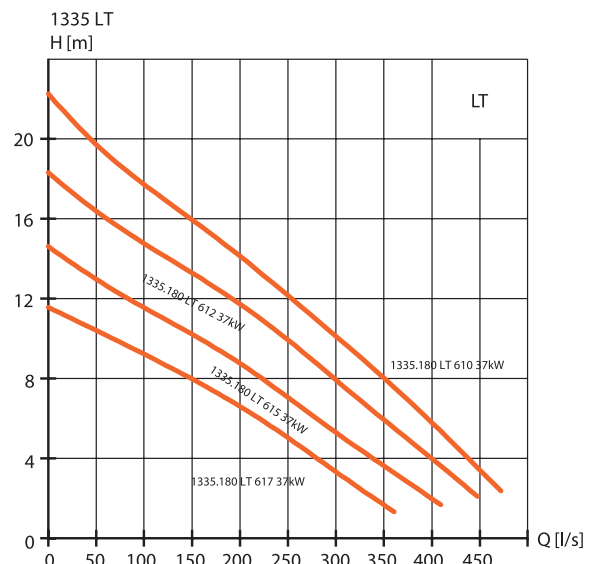
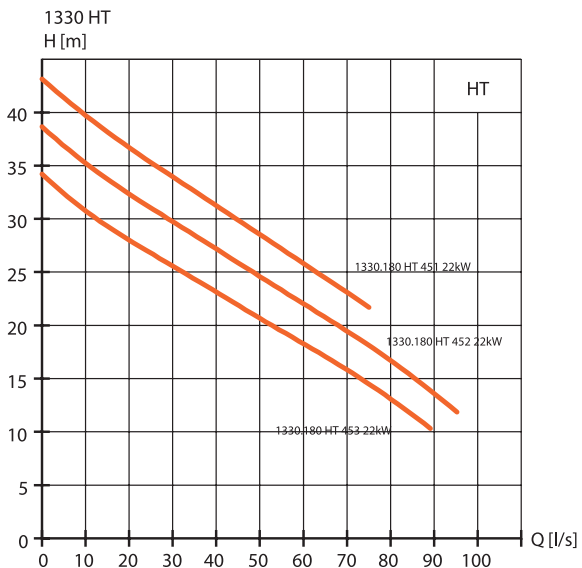
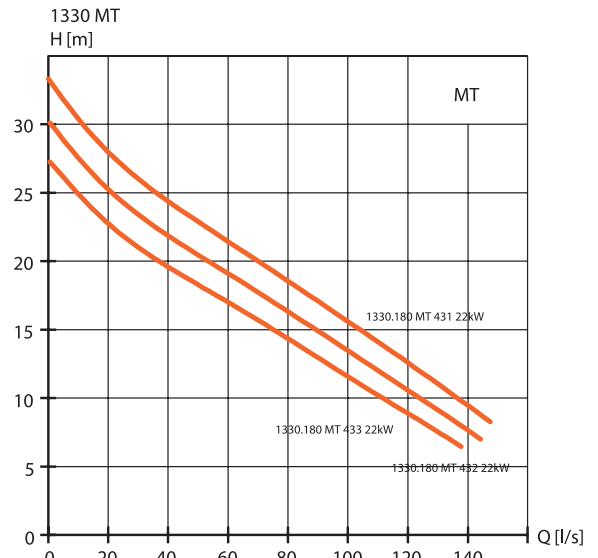
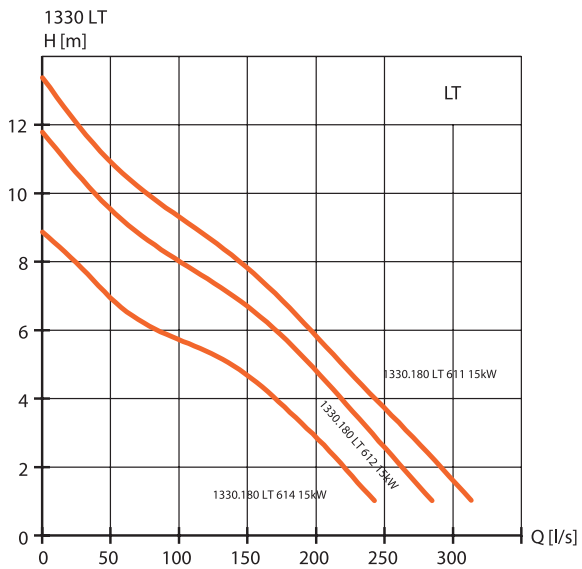
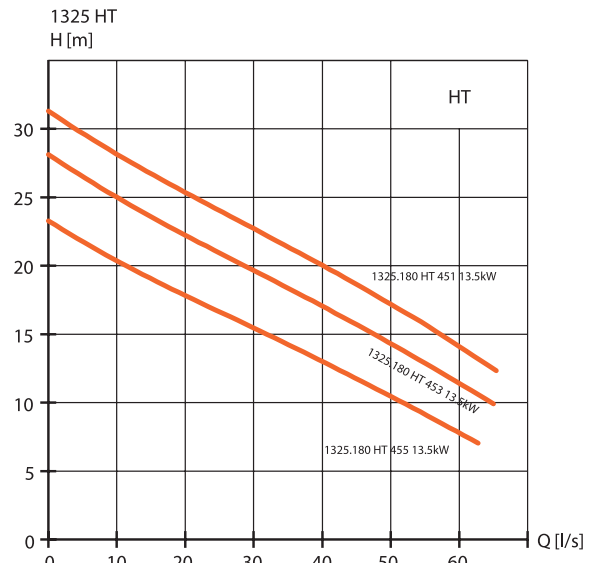
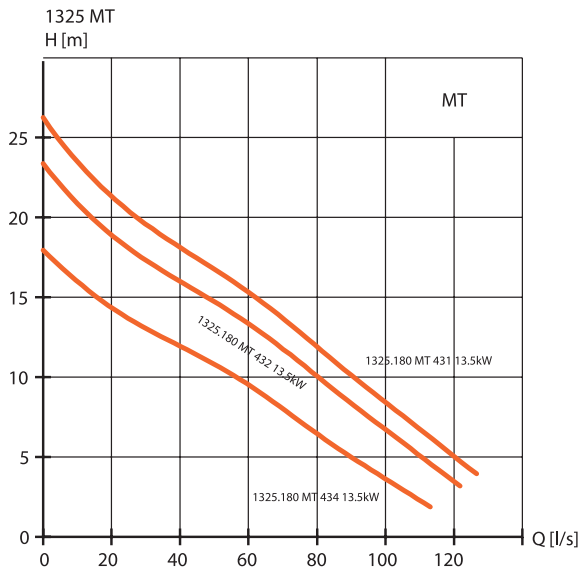


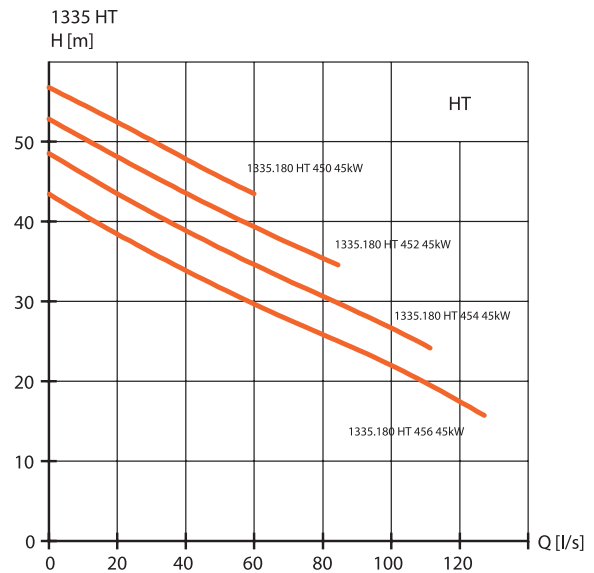
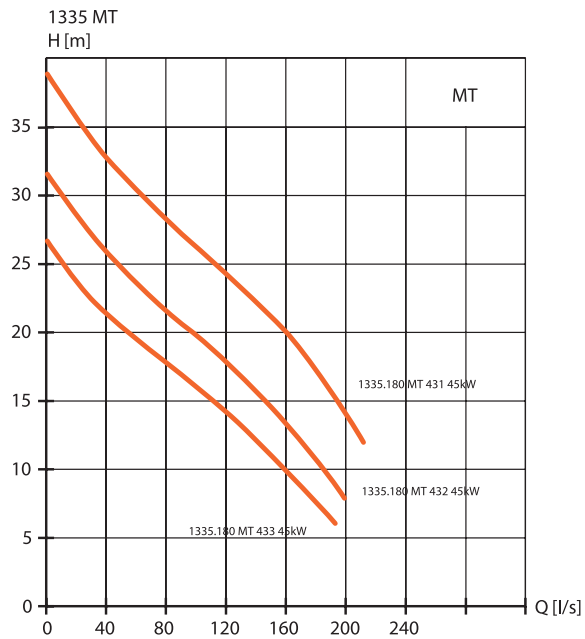
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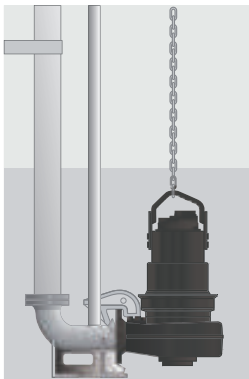
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Methods of installation

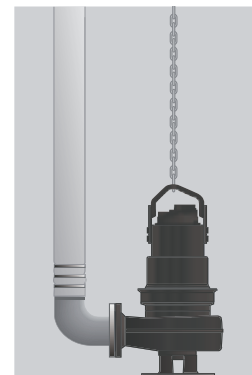


P Installation

For semi-permanent wet well installations. The pump is installed with twin guide bars on a discharge connection.

S Installation

A semi-permanent, free-standing installation. Transportable version with hose connection.



Select ITT Online pump selection software

A comprehensive online pump selection software program available in the market. Easily determine the correct flow for every area of a building to make sizing and selection as simple as possible.

Easily obtain accurate, up-to-date technical documentation.

With Select ITT's easy-to-navigate web site and proprietary software, you'll get fast answers, accurate information, and up to date documentation so that you can easily size and spec your project and then download the information straight into your submittal package. You'll be able to share a fuller picture of your entire system with other team members, so you can collaborate more efficiently and complete your project more quickly.

<http://www.selectitt.com>



Reliable pumps for all your needs

With six models and a variety of combinations to choose from, it's easy to find a pump for your needs. 1300 series offers pumping capacities from 15 l/s to 500 l/s and a pressure range of 10 m to 55 m.

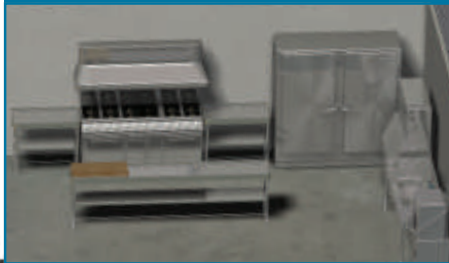
Value for money is a key benefit. The non-clogging impeller design of these pumps helps ensure trouble-free operation, and delivers substantial savings in terms of maintenance costs and energy consumption.

The larger pumps in the series feature a separate inspection chamber below the heavy-duty bearings. This enables rapid spot checks for improved operational reliability.

The effective, patented Spin-Out™ design* protects the outer seal by expelling abrasive particles from the seal chamber.

A short overhang of the shaft virtually eliminates shaft deflection, which means longer seal and bearing life, low vibration and quiet operation. All pumps in the series feature a motor specifically designed for reliable operation in submersible applications, ensuring optimal cooling and a long lifetime.

Commercial kitchen area – sinks, dishwashers, faucets, ice makers



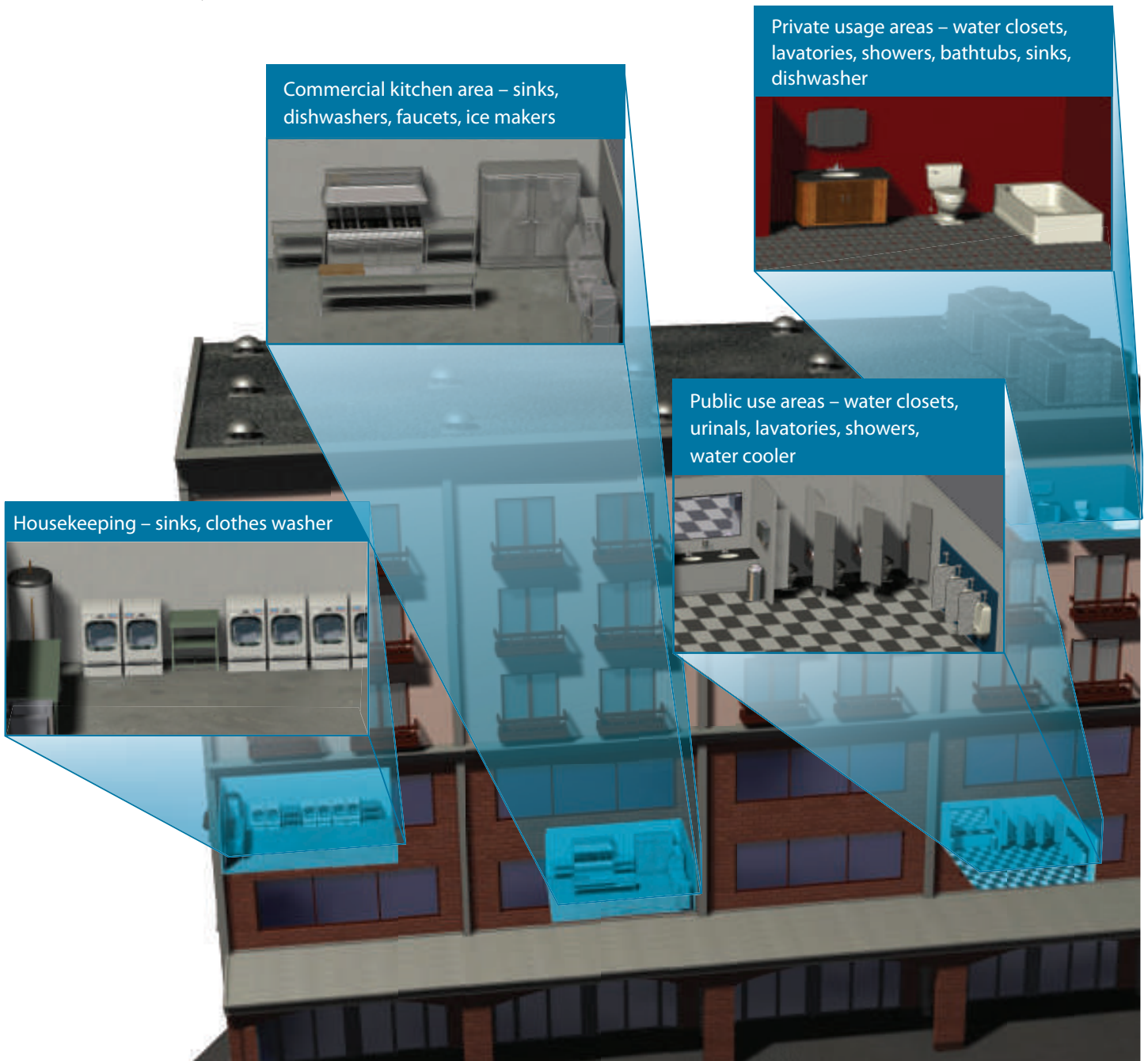
Private usage areas – water closets, lavatories, showers, bathtubs, sinks, dishwasher



Public use areas – water closets, urinals, lavatories, showers, water cooler



Housekeeping – sinks, clothes washer



Singapore
ITT Fluid Technology Asia Pte Ltd
10 Jalan Kilang #06-01
Singapore 159410
Tel: +65 6276 3693
Fax: +65 6276 3685
Email : rcw.asiapacific@itt.com

South Korea
ITT Fluid Technology Asia Pte Ltd
C/O Goulds Pumps Co., Ltd
Room 501 Ducksoo Building
234-9 Nonhyun-Dong Kangnam-Gu
Seoul 135-010, South Korea
Tel: +82 2 3444 4202
Fax: +82 2 3444 4203

Australia
ITT Fluid Technology International (Australia) Pty Ltd
Unit 3/1 Federation Way
Chifley Business Park
Mentone Victoria 3194, Australia
Tel: +61 3 9551 7333
Fax: +61 3 9551 0321

Philippines
ITT Water Technology International Inc.
12 Ring Road
LISP II
Calamba Laguna 4027, Philippines
Tel: +63 49 545 6810
Fax: +63 49 545 6817

Japan
ITT Fluid Technology Asia Pte Ltd
C/O Laing Pump Co., Ltd
8-11-12 Higashi-Narashino,
Narashino City
Chiba 275-0001, Japan
Tel: +81 47 470 3451
Fax: +81 47 470 3453

Thailand
ITT Fluid Technology International (Thailand) Co Ltd
50/7 Moo 12 Bangna-Trad Road, KM.6
Bangkaew, Bangplee
Samutprakarn 10540, Thailand
Tel: +66 2740 2019
Fax: +66 2740 2019