RED HORN

ENGINEERING PTE LTD

GENERAL WATER PUMPS

PRODUCT BROCHURE

RELIABLE | EFFICIENT | APPLICATION-READY

Pumping solutions for water, wastewater and industry



WATER TRANSFER | WASTEWATER | INDUSTRIAL DUTY | ENVIRONMENTAL

A brand of RED HORN ENGINEERING PTE LTD

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SUBMERSIBLE PUMPS

Drainage, wastewater and sump a

pplications



MOTOR PUMPS

General water transfer and circ

ulation



STAINLESS-STEEL PUMPS

Selected process and utility ap

plications



INDUSTRIAL PUMPS

Fluid-handling duties across in

dustrial systems

TYPICAL SELECTION FACTORS

FLOW RATE
Required capacity at the duty point

TOTAL HEAD
Static lift and system losses

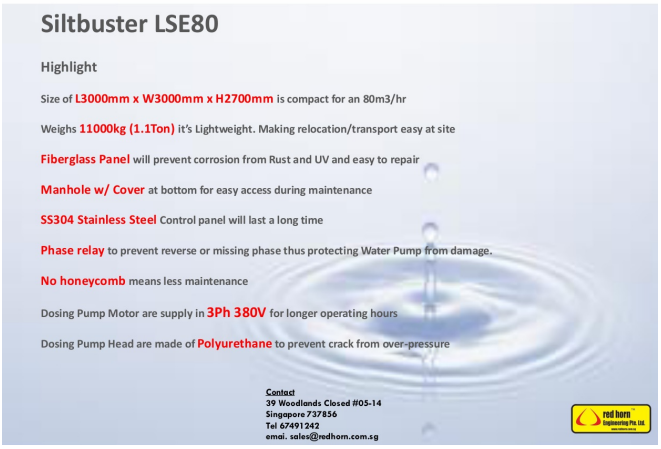
FLUID
Clean water, wastewater or compatible liquid

INSTALLATION
Submersible or dry-installed

MATERIALS
Wetted parts suit the liquid

POWER & CONTROL
Supply and control requirements





COMMON APPLICATION AREAS

WATER TRANSFER

Supply, circulation and transfer between tanks

WASTEWATER

Drainage, sumps and selected wastewater duties

INDUSTRIAL PROCESS

Fluid transfer in plant and utility systems

ENVIRONMENTAL SYSTEMS

Pumping within treatment equipment

SITE & BUILDING SERVICES

Dewatering and general utility pumping

CUSTOM SYSTEMS

Project-specific pumping requirements

SELECTION CHECKLIST

- Required flow rate and total dynamic head
- Fluid type, temperature and solids content
- Installation method and available space
- Power supply, motor rating and controls
- Pipe size, connections and maintenance access

KEY TERMS

FLOW RATE	The volume of liquid delivered per unit of time.
TOTAL HEAD	Energy required to move liquid through elevation and resistance.
DUTY POINT	The required combination of flow and head.
SUCTION CONDITIONS	Check suction conditions to reduce cavitation risk where applicable.
MATERIAL COMPATIBILITY	Wetted materials must suit the liquid and operating conditions.

INFORMATION TO CONFIRM BEFORE ORDERING

Required capacity	m^3/h or L/min
Required head	m or bar, as appropriate
Liquid details	Type, temperature, solids and compatibility
Pump construction	Submersible, dry-installed or other
Electrical supply	Voltage, phase, frequency and protection

IMPORTANT Confirm model-specific curves, dimensions and motor ratings against the manufacturer's datasheet before ordering.

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