

SKY MATRIX

PTE. LTD. | SINGAPORE | UEN 202104263R

INDUSTRIAL PUMPS

PRODUCT CATALOGUE



Manufacturer: SKY MATRIX PTE. LTD. | Singapore

11 Keng Cheow Street, #04-10, The Riverside Piazza, Singapore 059608

skymatrixoffice@gmail.com

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COMPANY OVERVIEW

Industrial pumps for process applications

SKY MATRIX PTE. LTD. is a company registered in Singapore. This catalogue presents industrial centrifugal pumps for petrochemical plants, chemical processing, power generation and water treatment.

PRODUCT RANGE

Horizontal and vertical pumps; single-stage and multistage designs; between-bearings pumps; long-shaft submerged pumps; pumps for high-temperature fluids and molten salts.

APPLICATIONS

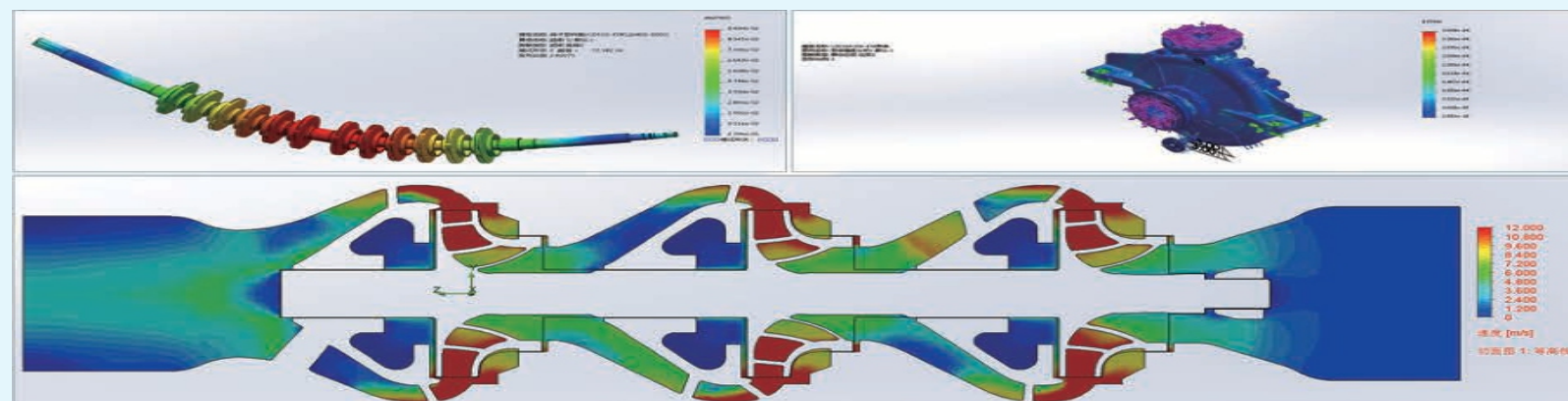
Petrochemical and coal chemical processing, chemical production, water treatment, environmental protection and energy systems.

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TECHNICAL SELECTION

Information required to specify a pump unit

- 01 Required flow rate and head at the duty point.
- 02 Pumped fluid, density, viscosity and composition.
- 03 Operating and maximum temperature; inlet pressure.
- 04 Wetted-part materials and shaft seal arrangement.
- 05 Motor power, voltage, frequency and enclosure.
- 06 Installation conditions, testing and documentation requirements.



The final design and scope of supply are agreed against the customer specification.

QUALITY CONTROL

Acceptance criteria for the selected pump design

Quality and acceptance requirements are defined by the technical specification and the agreed inspection and test programme.

PARAMETERS TO BE AGREED

Part materials, dimensions, balancing, leak tightness, hydraulic performance, vibration, noise and completeness of supply.

Applicable standards, certificates and test reports are confirmed by documentation for the specific pump configuration.



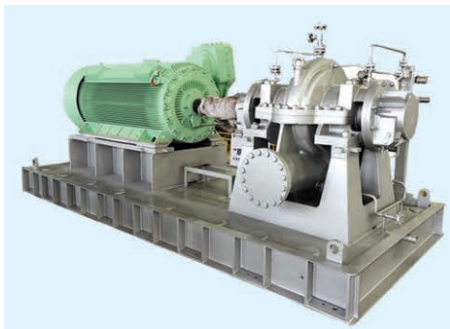
CNC machining, material analysis, balancing, pump testing and dimensional inspection.

PRODUCT RANGE

Industrial centrifugal pumps | 1 / 3

LAD (BB1)

Axially split double-suction pump

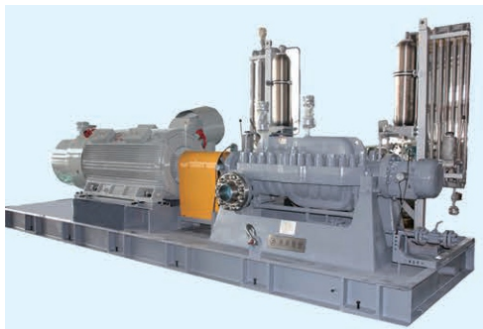


For clean or slightly contaminated fluids in power generation, water treatment, desalination, petrochemical processing and irrigation.

Flow rate	Head	Pressure	Temperature
160-8500 m³/h	10-460 m	5.0 MPa	-20 to +210 °C

LCD (BB3)

Horizontal split multistage pump

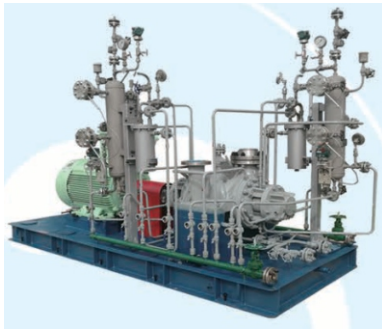


For clean or slightly contaminated fluids in power plants, refineries, petrochemical plants, water supply and boiler feed applications.

Flow rate	Head	Pressure	Temperature
10-1500 m³/h	up to 1600 m	25 MPa	-60 to +200 °C

LBD (BB2)

Radially split heavy-duty process pump



For high-temperature and high-pressure service in refineries and petrochemical plants, including process feed and circulating duties.

Flow rate	Head	Pressure	Temperature
10-4000 m³/h	up to 600 m	approx. 15 MPa	-80 to +450 °C

LDD (BB4)

Segmental multistage pump



For clean or slightly contaminated fluids in petrochemical processing, natural-gas treatment, water supply and power generation.

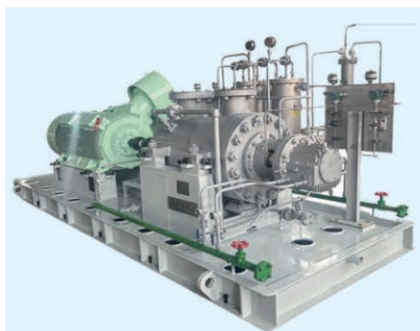
Flow rate	Head	Pressure	Temperature
5-1200 m³/h	up to 3000 m	approx. 30 MPa	-80 to +210 °C

PRODUCT RANGE

Industrial centrifugal pumps | 2 / 3

LTD (BB5)

Double-casing multistage pump



For high-pressure service in power plants, refineries, petrochemical processing, offshore water injection, and oil and gas transport.

Flow rate	Head	Pressure	Temperature
5-1200 m³/h	up to 3000 m	30 MPa	-80 to +450 °C

LZE (OH2)

Single-stage overhung pump



For clean or slightly contaminated fluids, including neutral and corrosive media, in refining, petrochemical and coal chemical processes.

Flow rate	Head	Pressure	Temperature
5.5-2600 m³/h	16-250 m	approx. 15 MPa	-80 to +450 °C

LDT (VS6)

Vertically suspended can pump



For volatile low-temperature fluids such as ethylene and propane. Applications include ammonia service, column bottoms, reflux and fluid transfer.

Flow rate	Head	Pressure	Temperature
up to 2600 m³/h	up to 1400 m	approx. 15 MPa	-163 to +260 °C

LZV (OH3)

Single-stage vertical in-line pump



For industrial and municipal water systems, pressure boosting, firefighting and petrochemical transfer applications.

Flow rate	Head	Pressure	Temperature
5.5-2600 m³/h	16-250 m	approx. 15 MPa	-80 to +450 °C

PRODUCT RANGE

Industrial centrifugal pumps | 3 / 3

LZA (OH1)

Single-stage foot-mounted overhung pump



Single-stage overhung centrifugal pump with foot mounting for industrial process duties.

Flow rate	Head	Pressure	Temperature
5.5-2600 m³/h	16-250 m	approx. 15 MPa	-80 to +450 °C

LDTV (VS1)

Vertically suspended single-casing pump

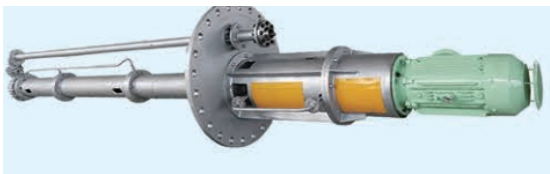


Single-casing pump with radial split and tangential discharge; suitable for clean fluids or fluids containing small particles.

Flow rate	Head	Pressure	Temperature
up to 2600 m³/h	up to 1400 m	approx. 15 MPa	-163 to +260 °C

LY (VS4)

Long-shaft submerged pump

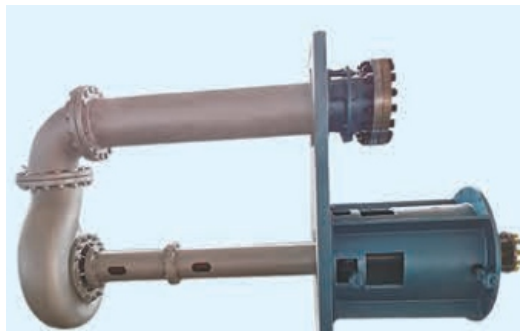


Single-volute, radially split centrifugal pump with a long shaft for submerged service.

Flow rate	Head	Pressure	Temperature
5.5-2600 m³/h	16-250 m	approx. 5 MPa	-80 to +450 °C

YLG

High-temperature molten salt pump



For high-temperature molten salt circulation and transfer, with an improved cooling arrangement and thermal design.

Flow rate	Head	Pressure	Temperature
10-4000 m³/h	up to 380 m	approx. 10 MPa	200 to 600 °C

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CONTACTS & BANK DETAILS

SKY MATRIX PTE. LTD. | Singapore

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11 Keng Cheow Street, #04-10,

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E-mail: skymatrixoffice@gmail.com

BANK DETAILS

Standard Chartered Bank Singapore

6 Battery Road, Singapore 049909

Bank code: 9496 | Branch code: 001

SWIFT: SCBLSG21

USD account: 0105176095

SGD account: 0105176109

REQUEST A PUMP SELECTION

Send your specification, including flow rate, head, fluid properties and drive requirements, to skymatrixoffice@gmail.com.