

# PT. DJAWA BARU

JL. Prof. DR Seopomo, SH , 45F  
Jakarta 12810, Indonesia

Phone : +62 21 829 8401  
Mobile : +62 852 1679 9191  
Email : support@djawabaru.co.id  
Web-site : http://djawabaru.co.id

## KUBOTA Corporation

### DOMESTIC OFFICES AND OVERSEAS OFFICES

#### Domestic Offices:

##### Tokyo Office

1-3, Kyobashi, 2-chome, Chuo-ku,  
Tokyo 104-8307 Japan  
Phone: +81-3-3245-3228  
Facsimile: +81-3-3245-3830

##### Hirakata Plant

1-1-1, Nakamiya-Oike, Hirakata-city,  
Osaka 573-8573, Japan  
Phone: 072-890-2228  
Facsimile: 072-840-1413

#### Overseas Offices:

##### Kubota Corporation Bangkok Office

25th Floor, Serm-Mit Tower, 159 Sukhumvit 21 Road,  
Wattana, Bangkok 10110, Thailand  
Phone: +66-2260-6590  
Facsimile: +66-2260-6589

##### Kubota Corporation Philippine Office

232 Quirino Highway, Baesa,  
1106 Quezon City, Metro Manila, Philippines  
Phone: +63-2410-2428  
Facsimile: +63-2410-2428

##### Kubota Corporation Malaysia Branch

801A, 8th Floor, Amcorp Tower, Amcorp Trade Center,  
No.18, Jalan Persiaran Barat 46050 Petaling Jaya,  
Selangor Darul Ehsan, Malaysia  
Phone: +60-3-7954-2334  
Facsimile: +60-3-7954-1335

##### Anhui Kubota Sanlian Pump Co.,Ltd.

He Xian County Economic Development Zone in Anhui  
Province, China  
Phone: +86-565-5338018  
Facsimile: +86-565-5338020  
Post Code: 238200

##### Kubota Corporation Dubai Branch

Office No. LB180508 & LB180509  
Jafza View 18, Jebel Ali Free Zone  
P.O.Box 17440, Dubai, UAE  
Phone: +971-4-885-7033  
Facsimile: +971-4-885-7032

■E-Mail:pump@kubota.co.jp

■http://www.kubota-pump.com/english/

For Earth, For Life  
Kubota

## KUBOTA Vertical Mixed Flow Volute Pump DS-WV



# Best Suitable Design for Sewage

## Features

1

### High Head

High head has been achieved to follow trend design for sewage plant.

2

### High Efficiency

Higher efficiency has been achieved using the latest hydraulic design.

3

### Large Solid Passing Size

In order to prevent clogging, advanced non clogging impeller and casing are applied, and No.of Vanes are minimized.

4

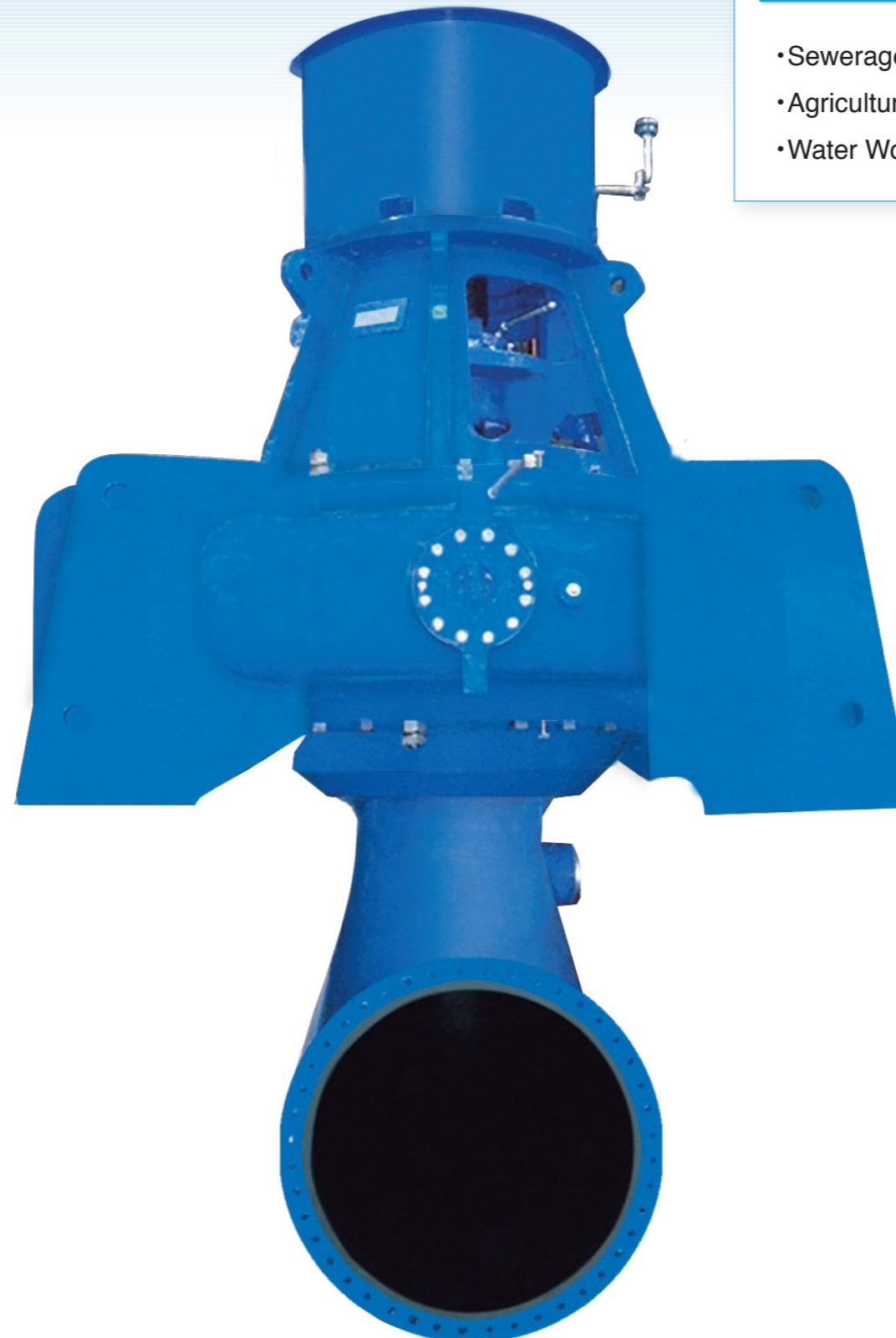
### Large Capacity

Large capacity has been achieved. up to 320 m<sup>3</sup>/min. (more than standard capacity can be produced)

5

### Silent and low vibration

Advanced silent and low vibration design are adopted using latest CFD analysis.



## Application

- Sewerage: Rain water drainage, Sewage transfer.
- Agriculture Irrigation and Drainage.
- Water Work: Water intake, boosting, Distribution.

## Product Range

- Suction bore: 400mm~1500mm
- Capacity: 12m<sup>3</sup>/min~320m<sup>3</sup>/min
- Total Head: 40m~150m

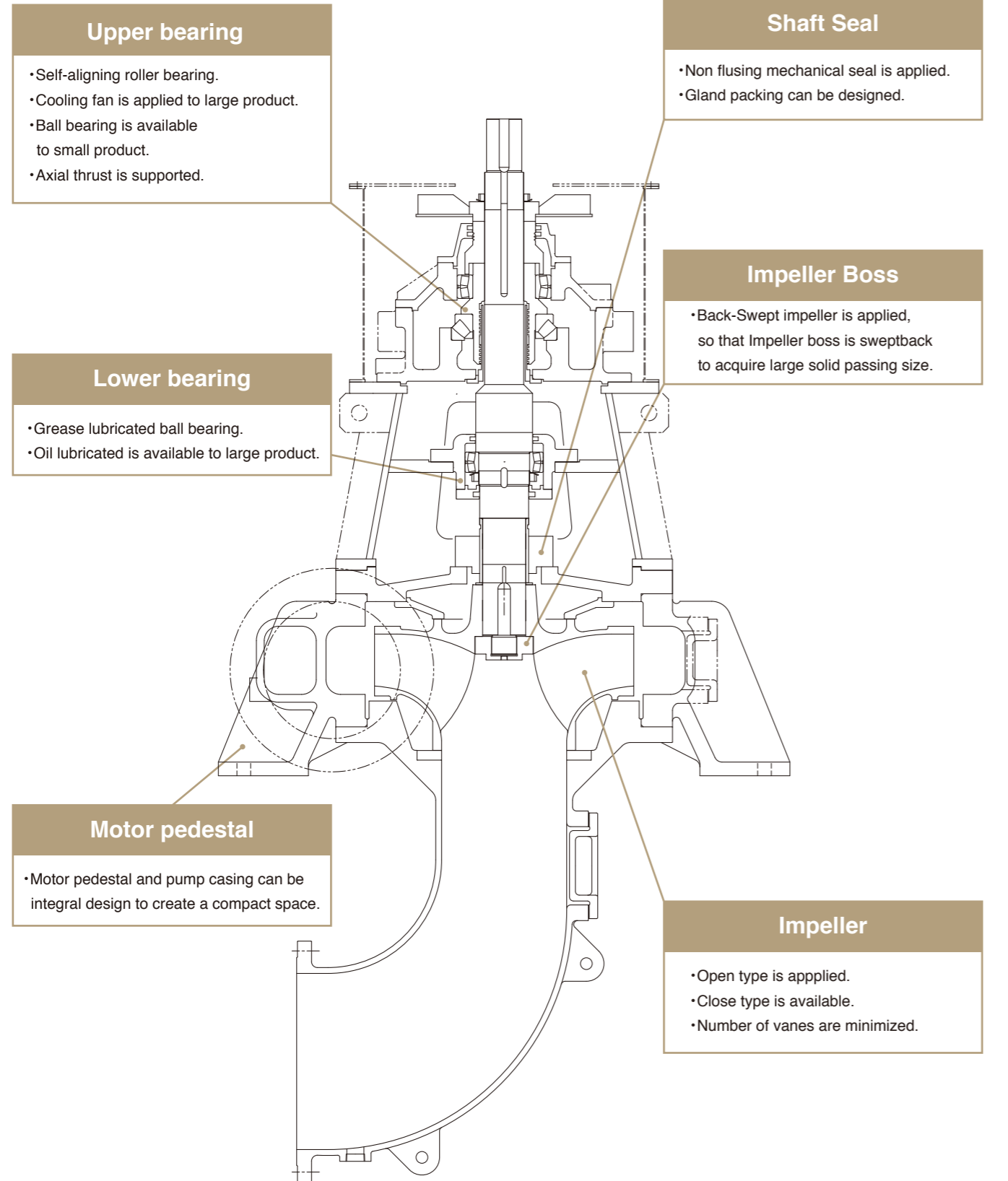
## Standard Material

Parts name	Material	JIS code	ASTM code
Casing	Ductile Cast Iron	FCD450	Gr65-45-12
Impeller	Stainless Steel Casting	SCS6	CA6NM
Shaft	Stainless Steel	SUS420J2	A318 S42000
Impeller Ring	Stainless Steel Casting	SCS6	CA6NM
Casing Ring	Stainless Steel Casting	SCS14	CF-8

## Pump specification

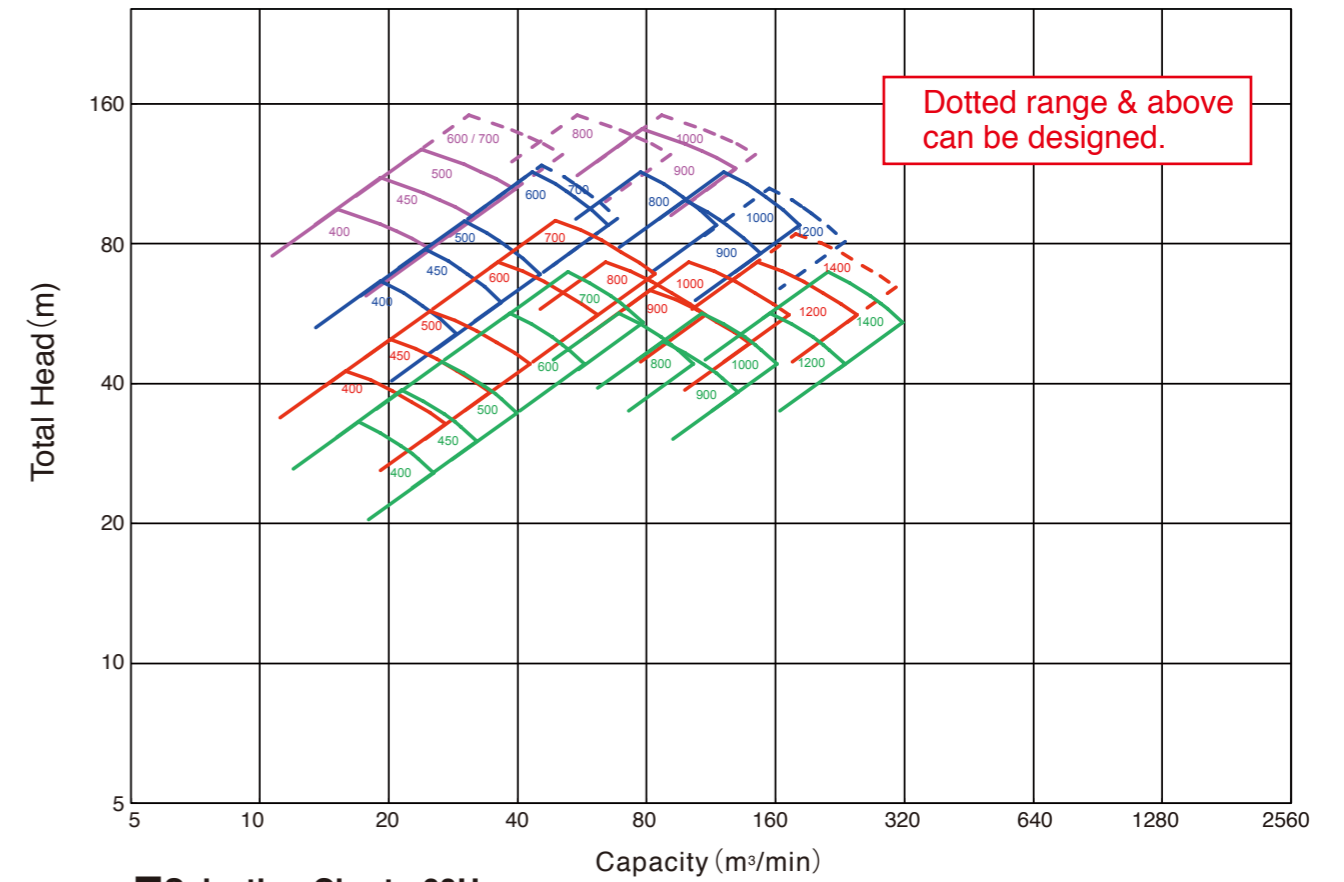
Liquid	Sewage
Liquid temperature	0°C~80°C
Suction Pressure	Max 0.3MPa
Flange	Suction: ISO PN10 Discharge: ISO PN10 16
Bearing	Ball, Roller
Bearing Lubrication	Grease, Oil
Shaft Seal	Non flushing mechanical seal
Paint	Internal Epoxy resin paint for water service External: Epoxy Resin Paint
Rotating direction	Clockwise viewed from top

## Best Suitable Design for Sewage

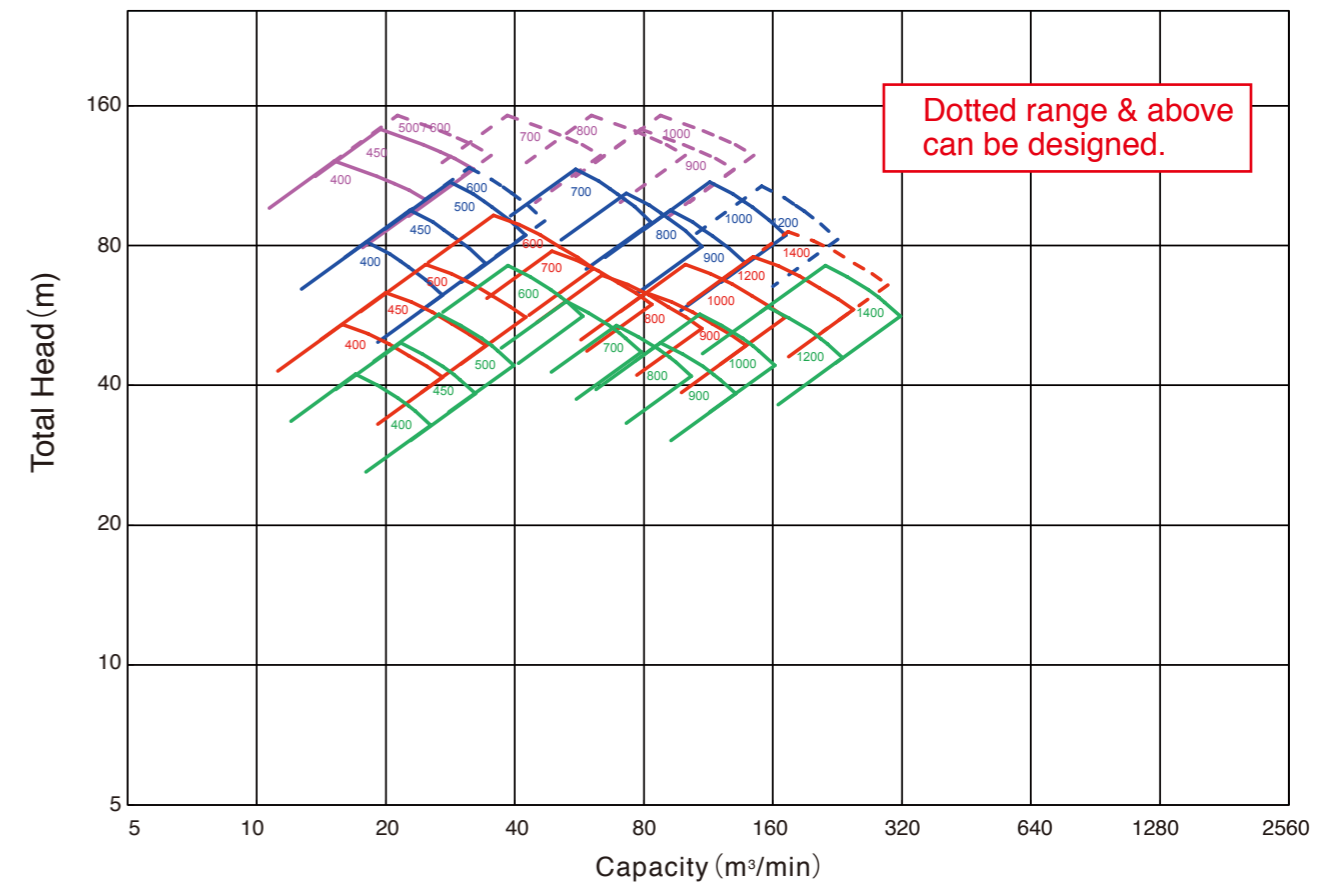


## Selection Chart

■ Selection Chart - 50Hz



■ Selection Chart - 60Hz



North Jeddah	
Country	Saudi Arabia
Suction Bore	900 mm
Capacity	132 m <sup>3</sup> /min
Total Head	73 m
Motor Output	2350 kW
Quantity	8 sets



MPS-1	
Country	UAE
Suction Bore	600 mm
Capacity	685 l/s
Total Head	40.2 m
Motor Output	410 kW
Quantity	8 sets



HEET Pump Station	
Country	Saudi Arabia
Suction Bore	450 mm
Capacity	1041.7 m <sup>3</sup> /hr
Total Head	80 m
Motor Output	400 kW
Quantity	8 sets



Changi Water Reclamation Plant	
Country	Singapore
Suction Bore	1200 mm
Capacity	278 m <sup>3</sup> /min
Total Head	59 m
Motor Output	3500 kW
Quantity	10 sets

Jahra Pumping Station	
Country	Kuwait
Suction Bore	700 mm
Capacity	1086 l/s
Total Head	120 m
Motor Output	1750 kW
Quantity	6 sets



Harbour Area Treatment Scheme 2	
Country	Hong Kong
Suction Bore	1200 mm
Capacity	4.0 m <sup>3</sup> /s
Total Head	42.5 m
Motor Output	2250 kW
Quantity	8 sets



PS32A Pumping Station	
Country	QATAR
Suction Bore	500 mm
Capacity	680 l/s
Total Head	70 m
Motor Output	670 kW
Quantity	4 sets



Zhong Zhou Sewage Treatment	
Country	Taiwan
Suction Bore	1200 mm
Capacity	165 m <sup>3</sup> /min
Total Head	45 m
Motor Output	1650 kW
Quantity	5 sets