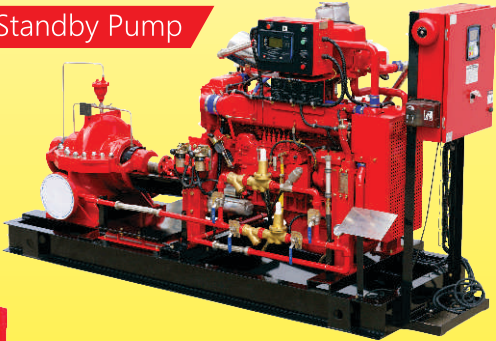


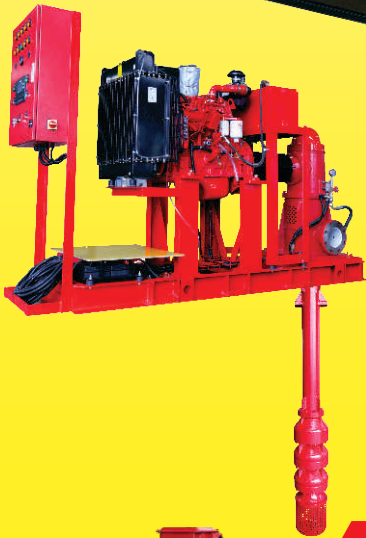


Standby Pump



FIRE FIGHTING SET

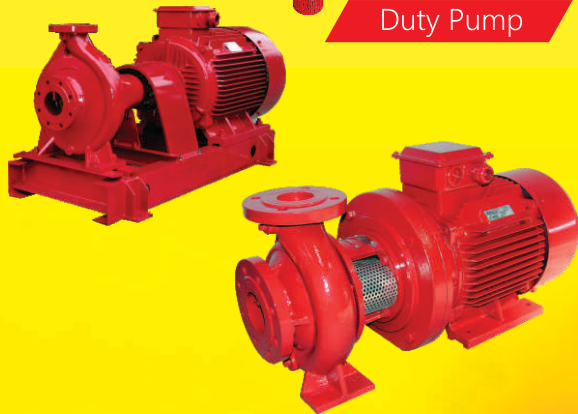
For over the past 30 years Thong Fatt Jaya Machinery Hardware Sdn. Bhd. has supplied an extensive range of pumps available to an ever increasing number of industries nationwide. Companies who utilize ASP Pumps do so because they are assured of the reliability of our products.



We offer fully packaged systems from hose reel to hydrant applications that satisfy even the most sophisticated requirements, and our comprehensive range of ISO, DIN or Split Case, vertical Turbine, design pump systems that meet NFPA-20 and UL, FM standards can handle flows up to 3000m³/h.

Materials of construction including cast Iron, stainless steel or bronze are available and specified to suit either fresh water or sea water. Montroli electric motors can be fitted with 50/60Hz and DEK engines are the prime mover.

Duty Pump



All of the units we produced are fully tested prior to dispatch. The ASP approach is to build fire pump sets to suit the customer's exact requirements. Flexibility in our design and manufacturing area ensure quality, reliability and efficiency.

Jockey Pump



THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.

同發機械五金有限公司 (176024-V)

Main Product

Fire Fighting Pump Set

- Motor Driven
- Diesel Engine Driven

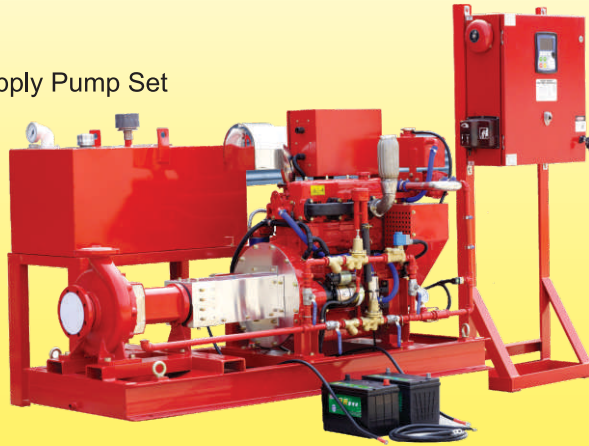
Diesel Engine Emergency Water Supply Pump Set

Control Panel

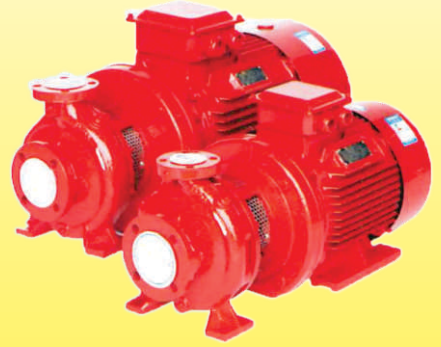
- For Fire Fighting
- For Emergency Water Supply

Single Stage End Suction Centrifugal Pump

Diesel Engine Driven

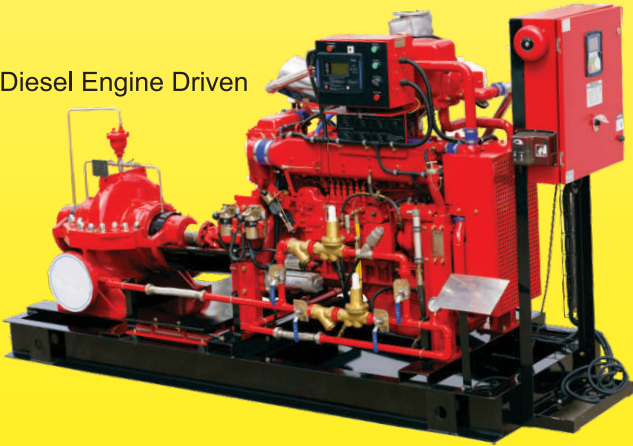


Motor Driven

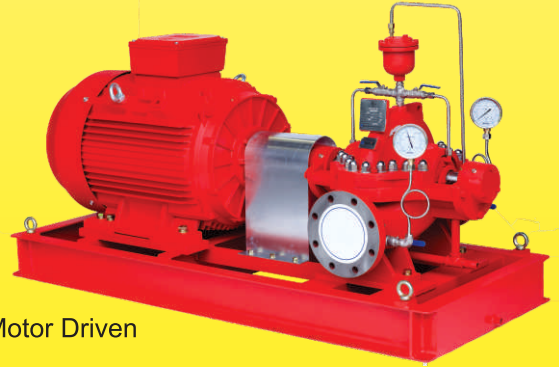


Single Stage Double Suction Split Case Centrifugal Pump

Diesel Engine Driven



Motor Driven



Control Panel

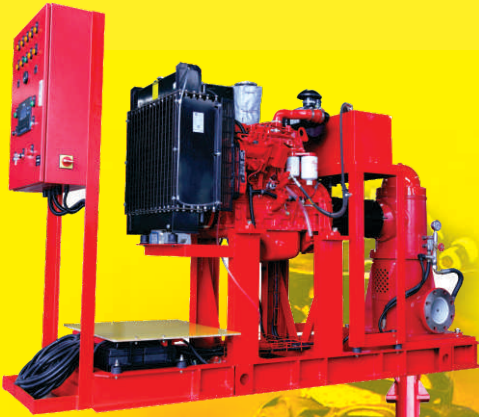
Vertical Turbine Pump



Gear Box



Universal Coupling



Diesel Engine Driven



Jockey Pump Set

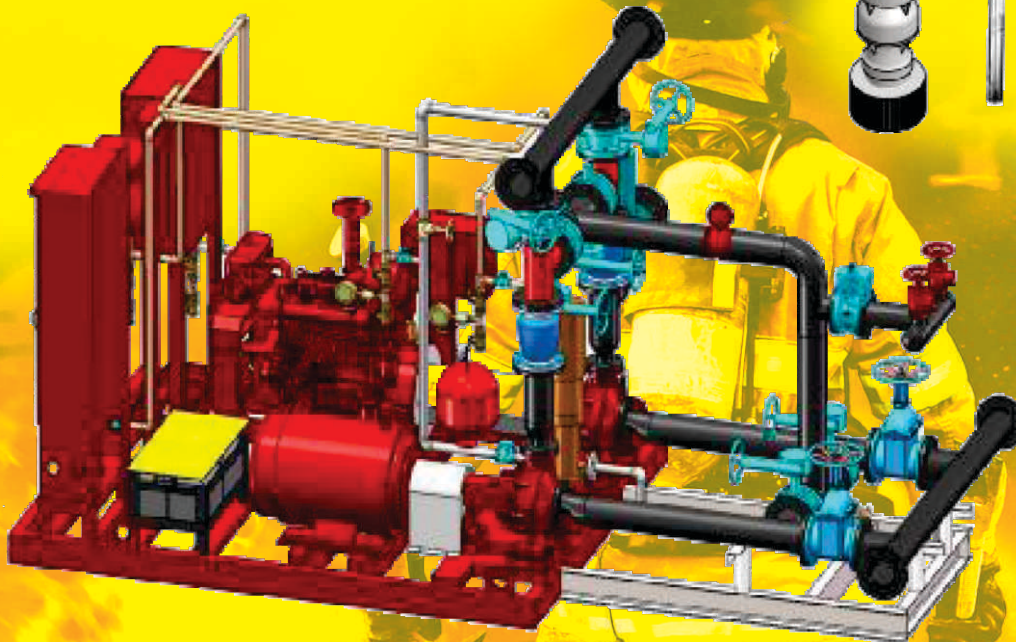
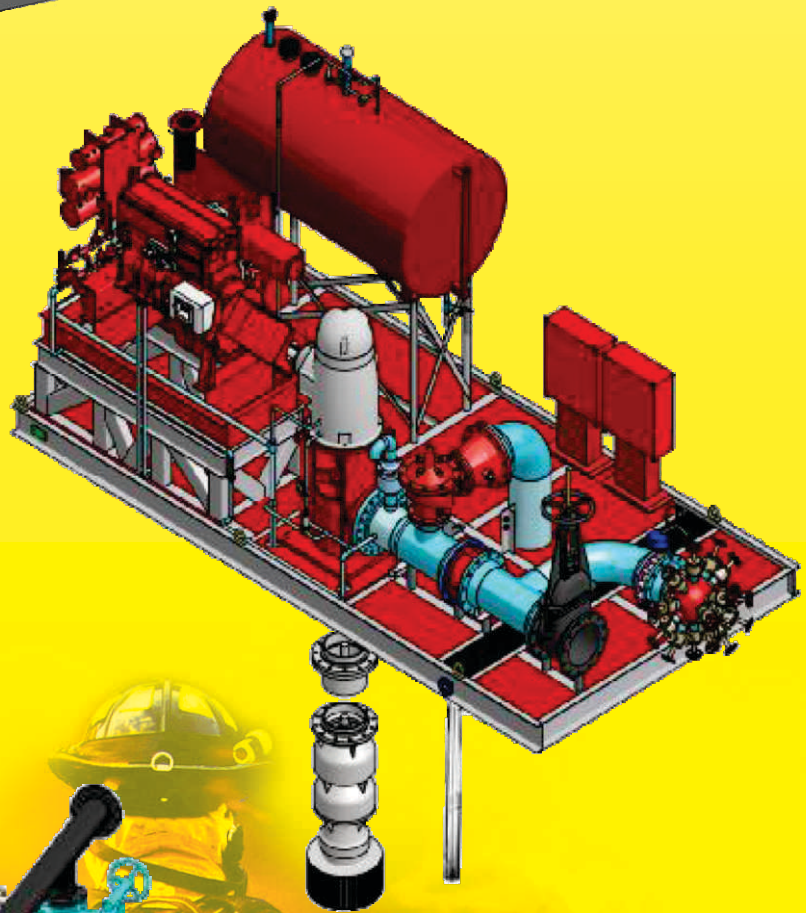
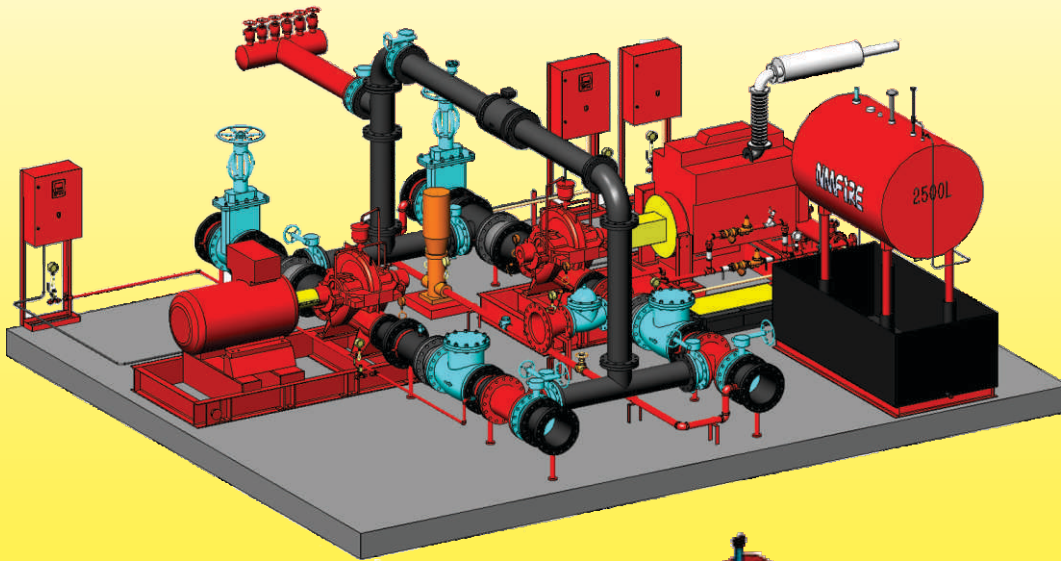
Diesel Engine



Fire Fighting Diesel Engine



Standard Fire Pump Package System



End-Suction Fire Pump Set

Application

End suction pump are specifically designed and tested for fire service application around the world including:

- * Office buildings
- * Hospitals
- * Airports
- * Manufacturing facilities
- * Warehouses
- * Power stations
- * School/Colleges
- * Hotels



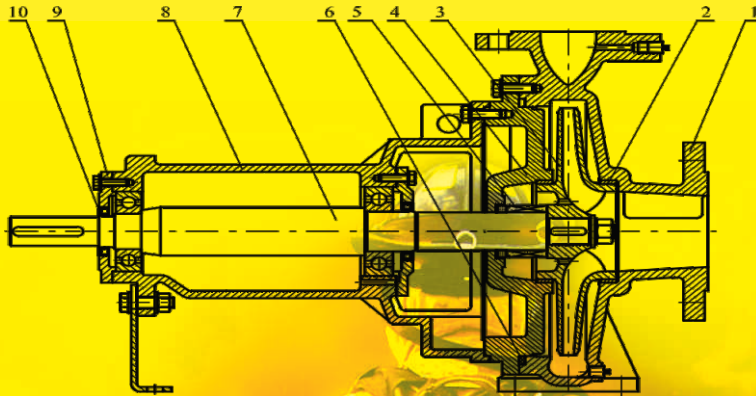
Materials of Construction

To meet the rugged demands of fire protection in industrial and special environments, end suction pump are available in:

- Cast Iron / Bronze-fitted
- 316 Stainless Steel Wet Parts
- Duplex 2205 Stainless Steel Wet Parts



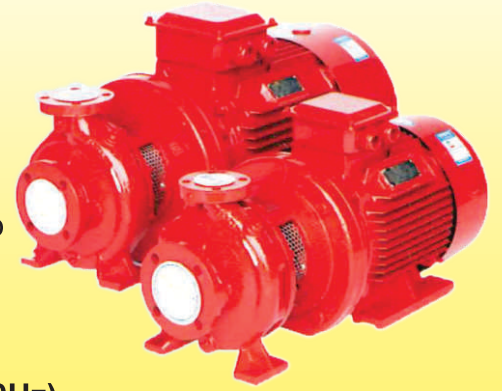
Structure Design



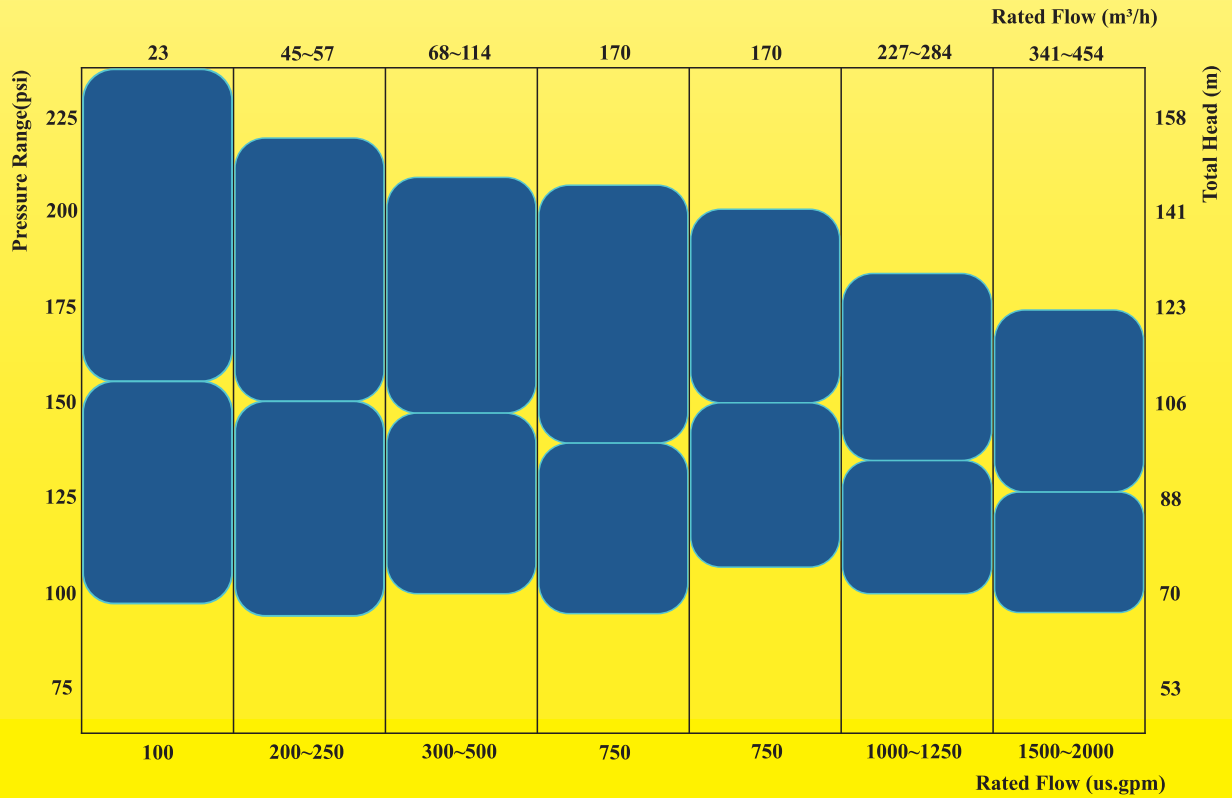
NO	Part Name	Material	NO	Part Name	Material
1	Pump Casing	Ductile Cast Iron QT500-7	6	O-ring	Rubber
2	Wear Ring	Stainless Steel 304 or Bronze	7	Shaft	2Cr13
3	Impeller	304, 316, 2205, Bronze	8	Supension Body	Cast Iron HT200
4	Upper Casing	Ductile Cast Iron Qt500-7	9	Bearing Cover	Cast Iron HT200
5	Packing Seal / Mechanical Seal	Carbon-fiber / Graphite-on carbide	10	Oil seal	Rubber

Performance Range

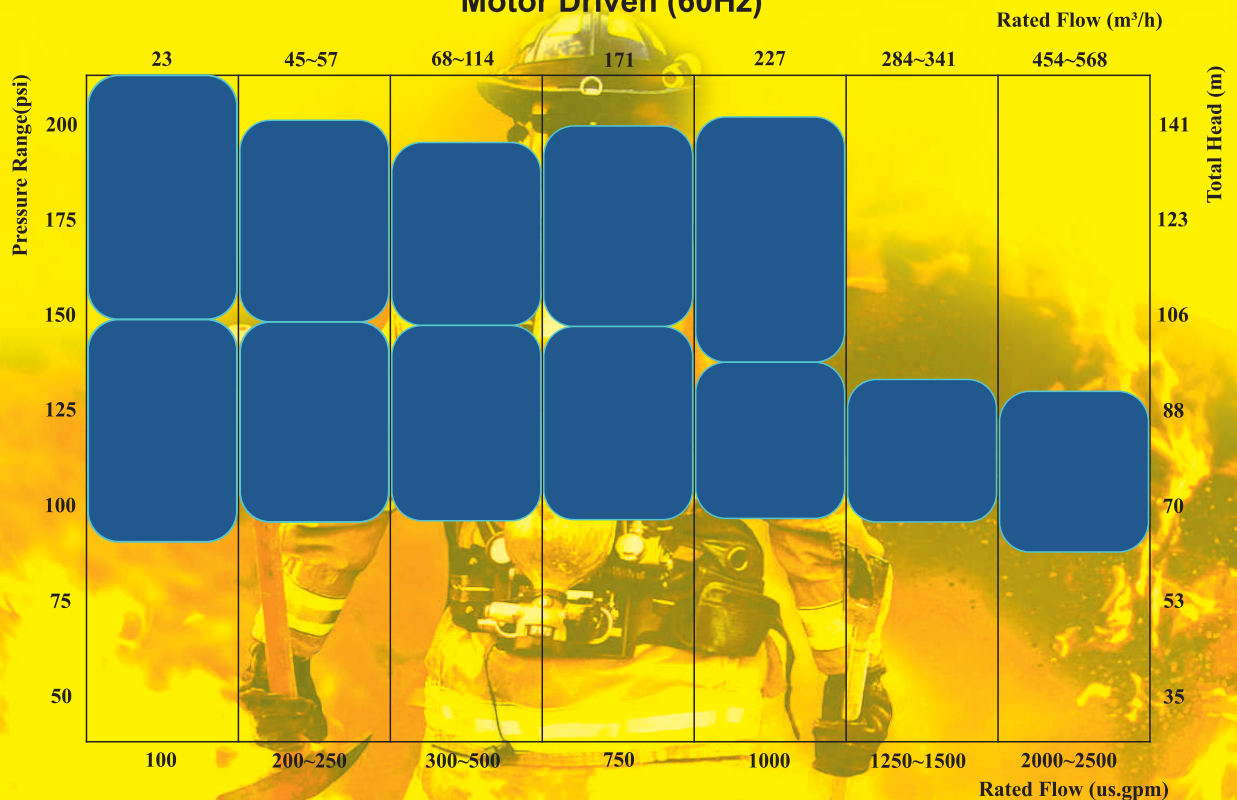
End suction pumps are available for ranging from 100 usgpm to 750 usgpm and are suitable for electric or diesel drivers. The table below demonstrates how the ranges of end suction pumps are designed to meet most normal requirements.



Diesel Engine and Motor Driven (50Hz)



Motor Driven (60Hz)



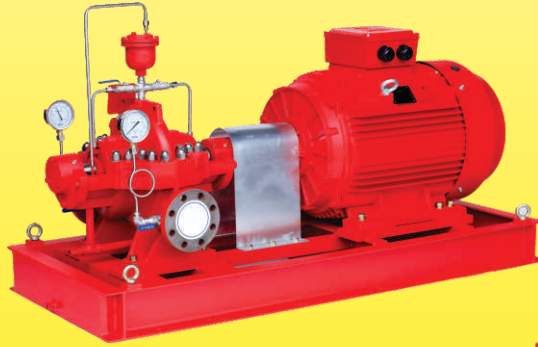
Split Casing Fire Pump Set

Precision balancing of all factors in the design of horizontal split case fire pump provides mechanical dependability, efficient operation and minimal maintenance. Simplicity of design ensures long efficient unit life, reduced maintenance costs and minimum power consumption.

Application

Split case pump are specifically designed and tested for fire service application around the world including:

- * Office buildings
- * Hospitals
- * Airports
- * Manufacturing facilities
- * Warehouses
- * Power stations
- * Oil and gas industry
- * Schools / Colleges
- * Hotels



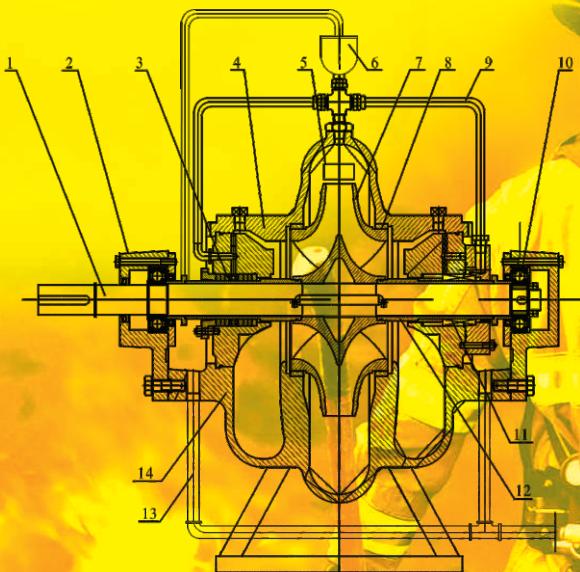
Materials of Construction

To meet the rugged demands of fire protection in industrial and offshore environments, split case pump are available in:

1. Ductile Cast Iron Casing With 304SS Impeller
2. 304 or 316 Stainless Steel Wet Parts
3. Duplex 2205 Stainless Steel Wet Parts

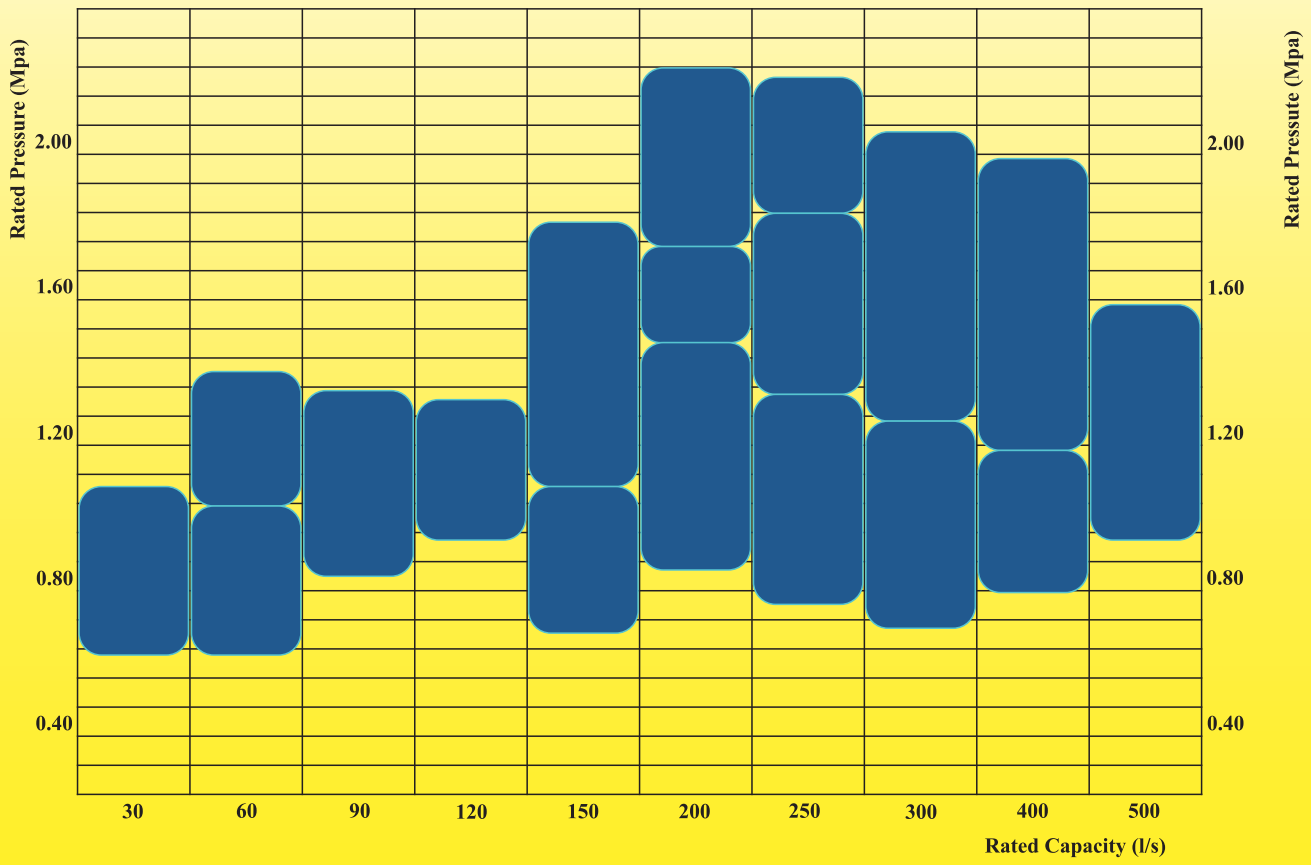


Structure Design

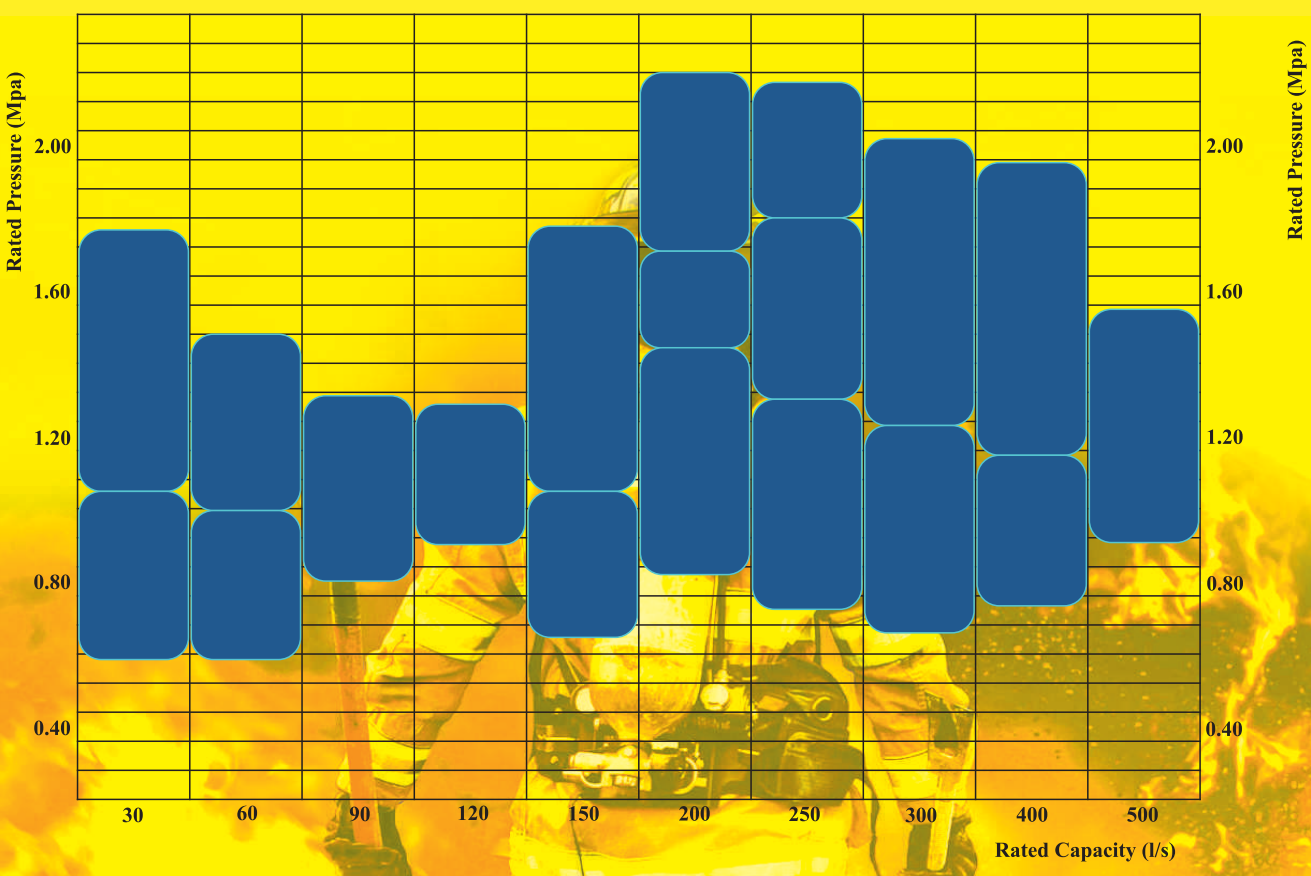


NO	Part Name	Material
1	Shaft	Stainless Steel
2	Bearing Housing (DE)	Cast Iron
3	Packing Seal Assembly	
4	Upper Casing	Cast Iron / Ductile Cast Iron / Cast Steel
5	Nameplate	Stainless Steel
6	Air Release Valve	
7	Impeller	Stainless Steel / Bronze
8	Casing Seal Ring	Stainless Steel / Bronze
9	Flushing Pipe	Carbon Steel / Stainless Steel
10	Bearing	SKF
11	Mechanical Seal Assembly	
12	Shaft Sleeve	Stainless Steel
13	Drainage Pipe	Carbon Steel
14	Pump Casing	Cast Iron / Ductile Cast Iron / Cast Steel

Split case pump Performance Range (Diesel Engine / Motor Driven)



Split case pump Performance Range (Motor Driven)



Vertical Turbine Pump

FLEXIBILITY BY DESIGN

The three different pump models in the vertical turbine line have one thing in common - the hydraulic design of the pump bowl assembly. Using state-of-the-art techniques in turbine pump design, the vertical turbine line covers a wide range of hydraulic conditions to meet virtually every pumping service in the industry with optimum efficiency.

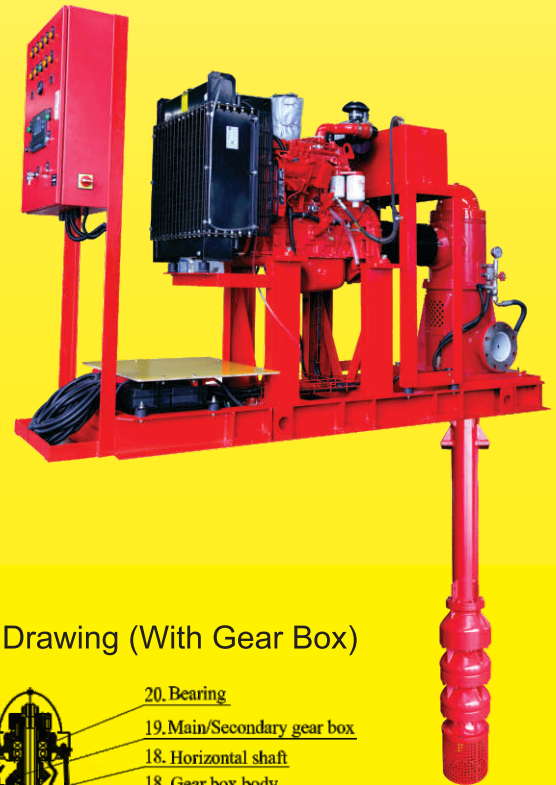
The flexibility of design allows the use of a wide range of materials and design features to meet the custom requirements of the user. No matter what the requirements, we can design and manufacture the pump to best satisfy them, specifically and thoroughly.

This bulletin is designed to assist the user in selecting the best pump for the conditions required; however, any questions will be answered promptly by calling our sales office or representative in your area.

Pump Bowl Assembly

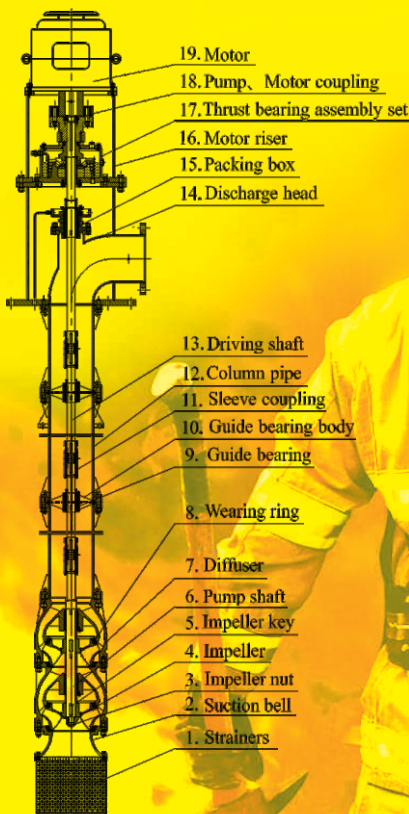
The bowl assembly is the heart of the vertical turbine pump. The impeller and diffuser type casing are designed to deliver the head and capacity that your system requires in the most efficient way possible. The fact that the vertical turbine pump can be multi-staged allows maximum flexibility both in the initial pump selection and in the event that future system modifications require a change in the pump rating.

A variety of material options allows the selection of a pump best suited for even the most severe services. The many bowl assembly options available ensure that the vertical turbine pump satisfies the users' needs for safe, efficient, reliable and maintenance-free operation.



Structure Design

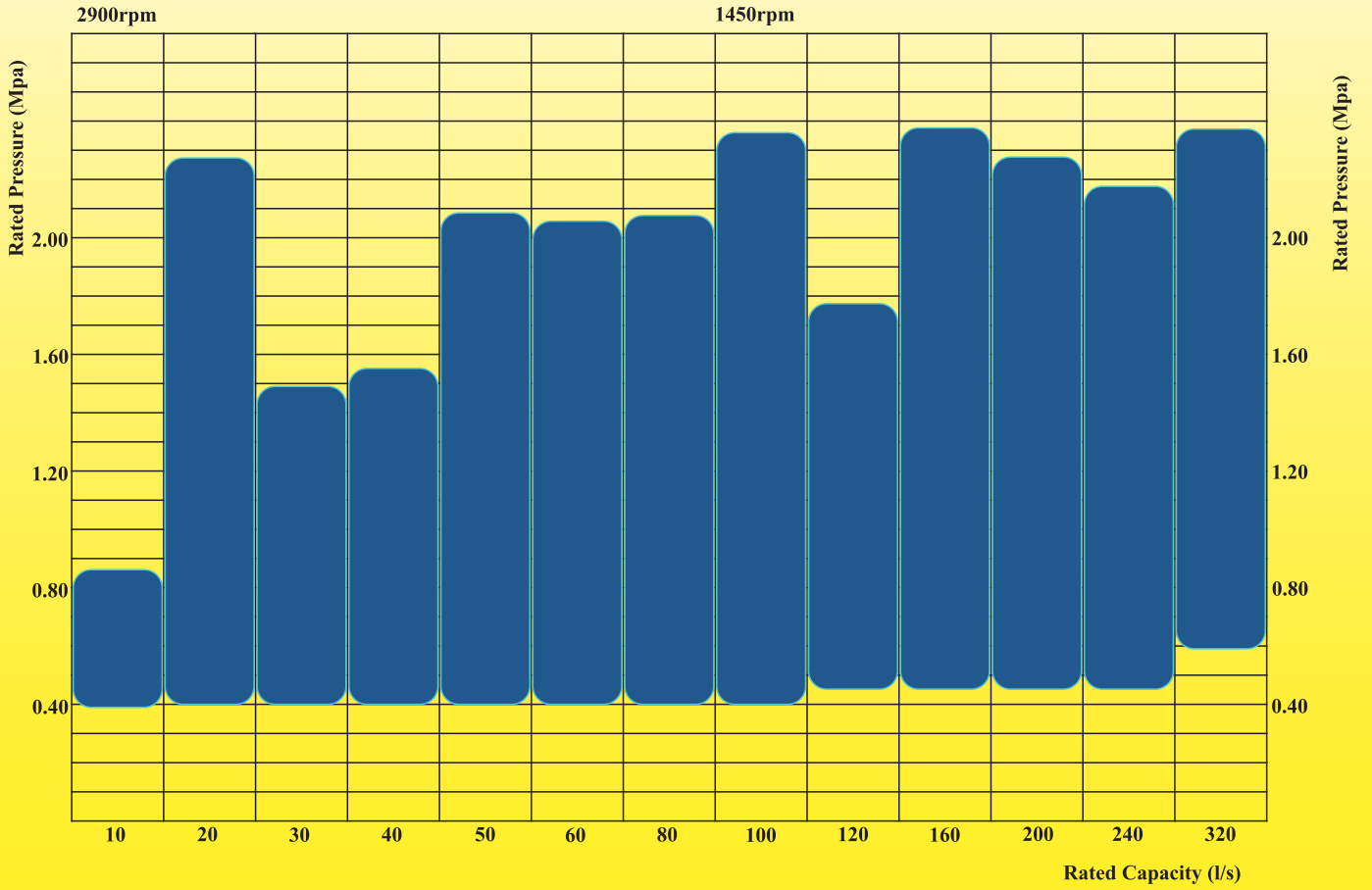
Construction Drawing (With Motor)



Construction Drawing (With Gear Box)



Performance Range (Diesel Engine / Motor Driven)



Jockey Pump Set

Features

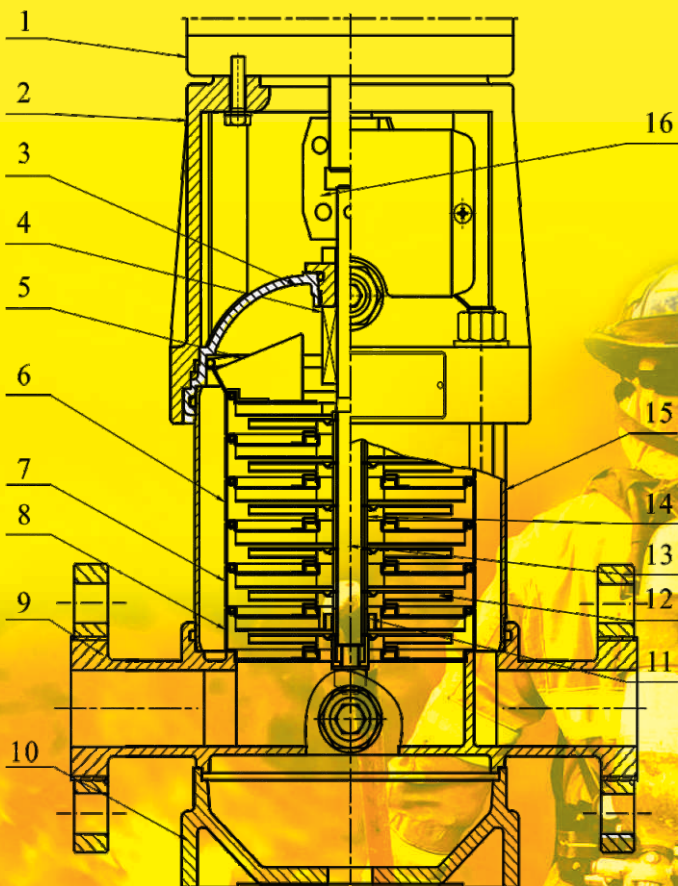
Vertical Multistage Centrifugal Pump is made from stainless steel and formed using metal sheet stamping and welding technologies. With its double-chamber design and easy-mounting mechanical seal design, the pump is compact, lightweight, low noise, long life and easy to assemble and maintain.

Application

Vertical Multistage Centrifugal Pump can be used for transporting thin, non-explosive, weak corrosive and clean liquids, such as water supply systems, boiler feeding, pure water treatment, food industries, fire fighting, pharmaceuticals and etc.

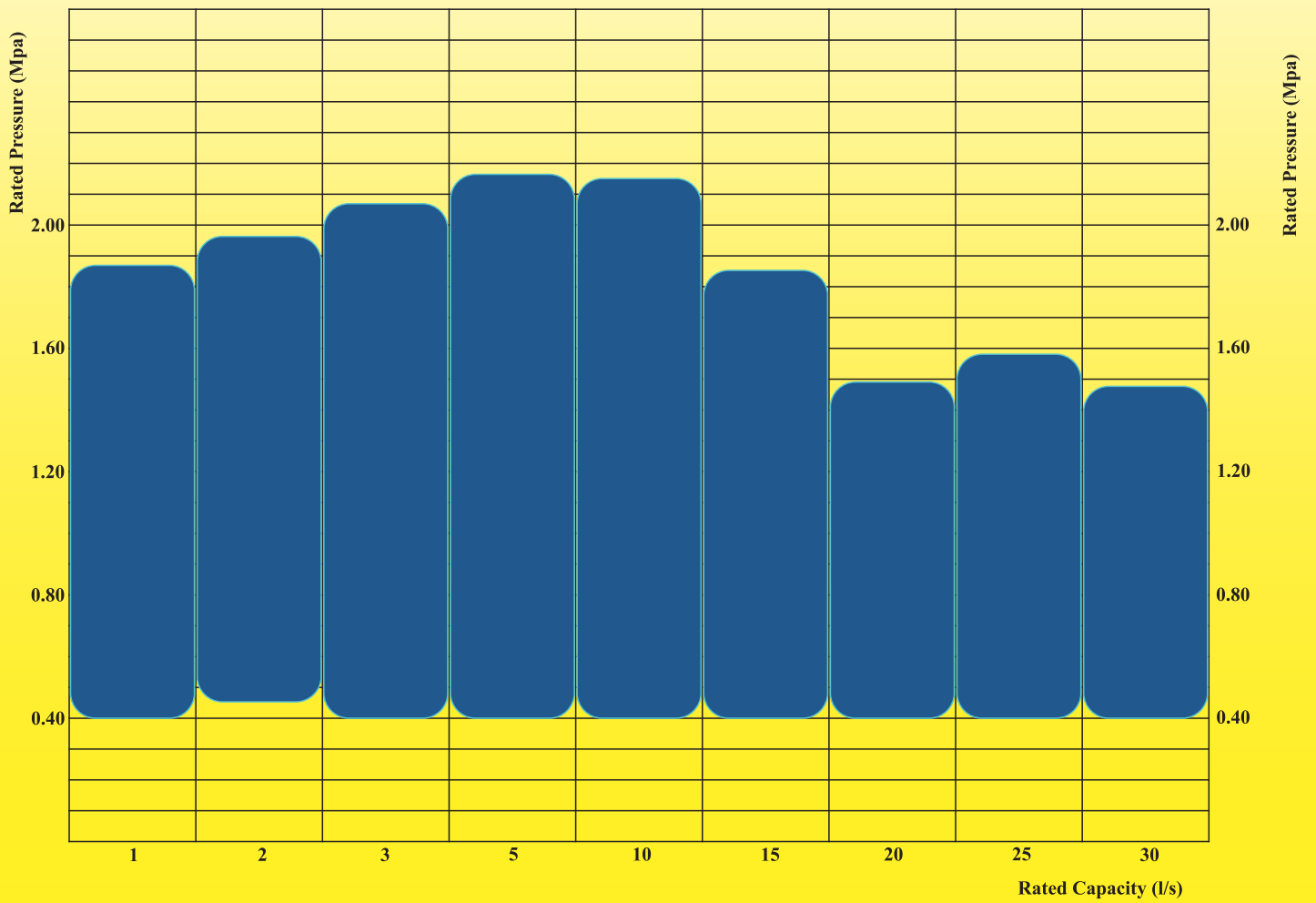


Structure Design



NO	Part Name	Material
1	Motor	
2	Casing	Cast iron / Stainless steel
3	Seal base	Stainless steel
4	Mechanical seal	
5	Top diffuser	Stainless steel
6	Diffuser	Stainless steel
7	Support diffuser	Stainless steel
8	Inducer	Stainless steel
9	Inlet and Outlet chamber	Stainless steel
10	Base plate	Cast iron
11	Bearing	Tungsten carbide
12	Impeller	Stainless steel
13	Shaft	Stainless steel
14	Impeller sleeve	Stainless steel
15	Cylinder	Stainless steel
16	Coupling	Carbon steel

Performance Range (2950rpm)





THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.

同發機械五金有限公司 (176024-V)

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