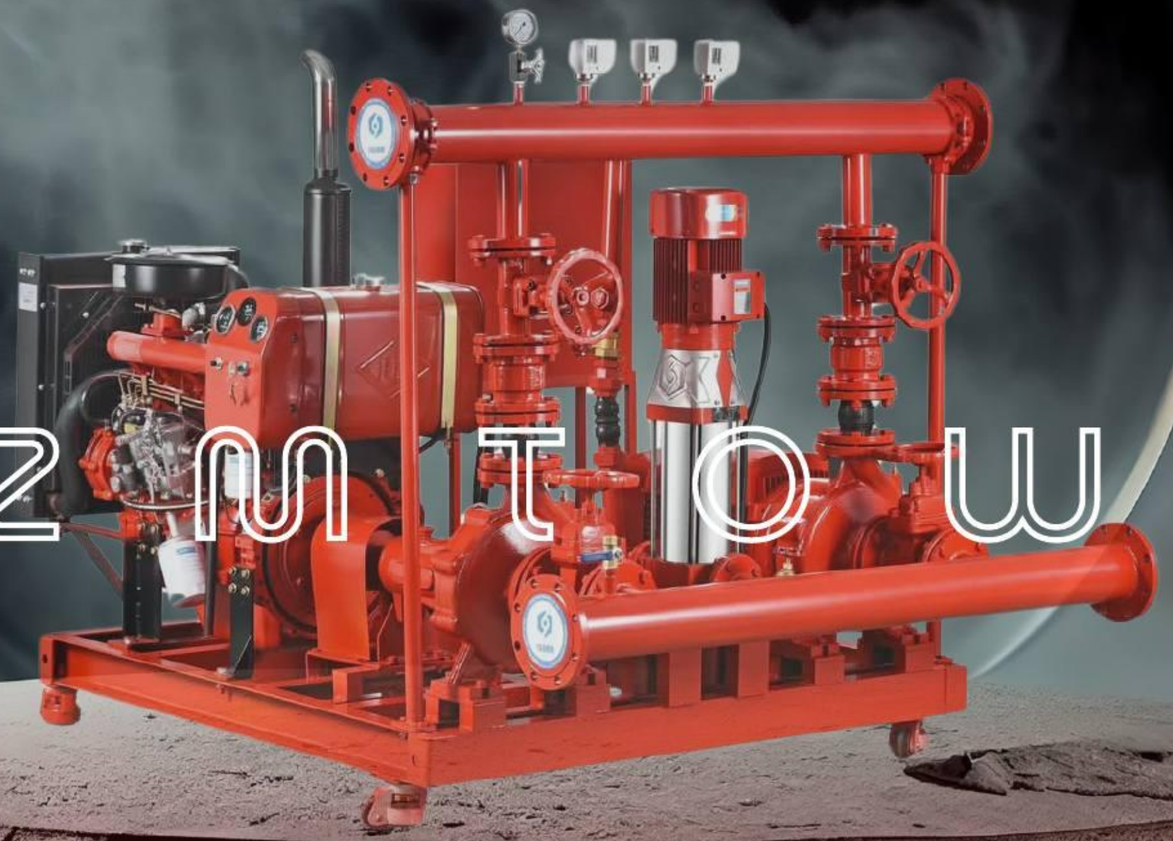
fire fighting pump

برج العزم
AZZM TOWER



AZZM TOWER

برج العزم

About YOKing Pump Co., Ltd. (China)

Yoking Pump Co., Ltd. is one of the leading manufacturers in China specializing in the production of pumps. The factory adheres to the business philosophy of "quality first, development first" and upholds the core values of "technology first, self-sufficiency first." This approach has positioned Yuqing as an innovative manufacturer focused on sustainable development and committed to using advanced casting technologies to produce high-quality products that meet international standards. In line with its strategy to meet growing customer demands and expand its market presence, the factory has set an ambitious plan to establish 20 distribution centers across six major regions within China. This reflects its strong commitment to improving geographic accessibility and ensuring fast, efficient service to clients. Over the past years, the factory has experienced rapid growth due to its continuous improvement in product quality. Entering a new phase of accelerated development, Yuqing remains dedicated to enhancing its product structure, innovating technologies, and delivering top-tier products and services that ensure customer satisfaction and align with both domestic and international market needs.



Vision

To become the leading fire pump manufacturing company in Saudi Arabia and the Middle East by providing innovative, high-quality solutions that help protect lives and property.

Mission

At Burj Al Azm, we are committed to delivering integrated fire pump solutions that meet the highest standards of quality and safety. We design, manufacture, assemble, and test advanced systems, while providing efficient after-sales services. Our mission is to drive innovation and sustainability to meet the needs of industrial, commercial, and governmental sectors.

What We Do

Burj Al Azm is a Saudi company specializing in the manufacturing and assembly of fire pumps. The company provides comprehensive solutions that include design, manufacturing, testing, and maintenance of various types of fire pumps (electric, diesel, jockey). Operating according to the highest international standards, Burj Al Azm offers reliable products and services for industrial, commercial, and governmental projects, both locally and internationally.

- Designing fire pump systems
- Manufacturing and assembling
- Testing
- After-sales services,
- Providing ready-to-install fire protection systems
- Determining the optimal pump capacity and size


吊装区域






TXGU 6709822
YOKING
YOKING
YOKING
YOKING
YOKING


YOKING



TECHNICAL DATA

Technical Data

Model	Q	H	Inlet/Outlet pipe		Electric Pump		Diesel Pump	Jockey Pump	
					YST	YSM	YSD	YV	CDL
	GPM	Bar	type	length					
YEDJ50/6-7.5-11	50	6	50	90CM	YST32-250/55(60Hz)	YSM32-250/55(60Hz)	YSD32-250/55 11HP（WS192FA/7.6/8.2KW）	-	-
YEDJ80/6-10-12.5-2	80		100	145CM	YST40-200/75(60Hz)	YSM40-200/75(60Hz)	YSD40-200/75 12.5HP（WS195FA/8.8/9.0KW）	YV4-6-1.5 2HP(60Hz)	CDL4-6-1.5 2HP(60Hz)
YEDJ150/6-20-25-2	150		100	145CM	YST50-200/150(60Hz)	YSM50-200/150(60Hz)	YSD50-200/150 25HP（WS295F/18KW）	YV4-6-1.5 2HP(60Hz)	CDL4-6-1.5 2HP(60Hz)
YEDJ200/6-20-25-3	200		100	145CM	YST50-250/150(60Hz)	YSM50-250/150(60Hz)	YSD50-250/150 25HP（WS295F/18KW）	YV4-6-1.5 2HP(60Hz)	CDL8-5-2.2 3HP(60Hz)
YEDJ350/6-30-61-3	350		100	145CM	YST65-250/220(60Hz)	YSM65-250/220(60Hz)	YSD65-250/220 61HP（HH490C/45KW）	YV4-6-1.5 2HP(60Hz)	CDL8-5-2.2 3HP(60Hz)
YEDJ400/6-40-61-5.5	400		150	160CM	YST80-200/300(60Hz)	YSM80-200/300(60Hz)	YSD80-200/300 61HP（HH490C/45KW）	-	CDL12-4-4 5.5HP(60Hz)
YEDJ500/6-50-61-7.5	500		150	160CM	YST100-200/370(60Hz)	YSM100-200/370(60Hz)	YSD100-200/370 61HP（HH490C/45KW）	-	CDL15-5-5.5 7.5HP(60Hz)
YEDJ1200/6-100-122-15	1200		200	160CM	YST125-200/750(60Hz)	YSM125-200/750(60Hz)	YSD125-200/750 122HP（YN4D90ZC/90KW）	-	CDL32-3-2-7.5 10HP(60Hz)
YEDJ1500/6-100-122-15	1500		200	160CM	YST125-250/750(60Hz)	YSM125-250/750(60Hz)	YSD125-250/750 122HP（YN4D90ZC/90KW）	-	CDL32-3-2-7.5 10HP(60Hz)
YEDJ50/7-10-12.5	50	7	50	90CM	YST32-250/75(60Hz)	YSM32-250/75(60Hz)	YSD32-250/75 12.5HP（WS195FA/8.8/9.0KW）	-	-
YEDJ80/7-15-19-2	80		100	145CM	YST40-250/110(60Hz)	YSM40-250/110(60Hz)	YSD40-250/110 19HP（WS2V88A/13/14KW）	YV4-6-1.5 2HP(60Hz)	CDL4-6-1.5 2HP(60Hz)
YEDJ200/7-25-30-4	200		100	145CM	YST50-250/185(60Hz)	YSM50-250/185(60Hz)	YSD50-250/185 30HP(HH2110C/22KW)	YV4-8-2.2 3HP(60Hz)	CDL8-6-3 4HP(60Hz)
YEDJ500/7-40-61-4	500		100	145CM	YST65-250/300(60Hz)	YSM65-250/300(60Hz)	YSD65-250/300 61HP（HH490C/45KW）	YV4-8-2.2 3HP(60Hz)	CDL8-6-3 4HP(60Hz)
YEDJ400/7-50-61-7.5	400		150	160CM	YST80-200/370(60Hz)	YSM80-200/370(60Hz)	YSD80-200/370 61HP（HH490C/45KW）	-	CDL12-5-4 5.5HP(60Hz)
YEDJ1000/7-75-88-10	1000		200	160CM	YST100-250/550(60Hz)	YSM100-250/550(60Hz)	YSD100-250/550 88HP(ZH4102ZC/65KW)	-	CDL20-5-7.5 10HP(60Hz)
YEDJ1500/7-120-136-15	1500		200	160CM	YST125-250/900(60Hz)	YSM125-250/900(60Hz)	YSD125-250/900 136HP（R4108ZC/100KW）	-	CDL32-3-2-7.5 10HP(60Hz)
YEDJ80/8-15-19-1.5	80	8	100	145CM	YST32-250/110(60Hz)	YSM32-250/110(60Hz)	YSD32-250/110 19HP（WS2V88A/13/14KW）	YV2-9-1.5 2HP(60Hz)	CDL2-8-1.1 1.5HP(60Hz)
YEDJ250/8-30-61-3	250		100	145CM	YST50-250/220(60Hz)	YSM50-250/220(60Hz)	YSD50-250/220 61HP（HH490C/45KW）	YV4-9-2.2 3HP(60Hz)	CDL4-9-2.2 3HP(60Hz)
YEDJ600/8-60-75-7.5	600		150	160CM	YST80-250/450(60Hz)	YSM80-250/450(60Hz)	YSD80-250/450 75HP(ZH4102C/55KW)	-	CDL12-6-5.5 7.5HP(60Hz)
YEDJ1000/8-100-122-10	1000		200	160CM	YST100-250/750(60Hz)	YSM100-250/750(60Hz)	YSD100-250/750 122HP（YN4D90ZC/90KW）	-	CDL20-5-7.5 10HP(60Hz)
YEDJ80/9-25-30-3	80	9	100	145CM	YST40-250/185(60Hz)	YSM40-250/185(60Hz)	YSD40-250/185 30HP(HH2110C/22KW)	YV4-10-2.2 3HP(60Hz)	CDL4-9-2.2 3HP(60Hz)
YEDJ250/9-50-61-5.5	250		100	145CM	YST65-250/370(60Hz)	YSM65-250/370(60Hz)	YSD65-250/370 61HP（HH490C/45KW）	YV4-10-2.2 3HP(60Hz)	CDL8-8-4 5.5HP(60Hz)
YEDJ500/9-60-75-7.5	500		100	145CM	YST65-315/450(60Hz)	YSM65-315/450(60Hz)	YSD65-315/450 75HP(ZH4102C/55KW)	-	CDL12-6-5.5 7.5HP(60Hz)
YEDJ600/9-75-88-7.5	600		150	160CM	YST80-250/550(60Hz)	YSM80-250/550(60Hz)	YSD80-250/550 88HP(ZH4102ZC/65KW)	-	CDL12-6-5.5 7.5HP(60Hz)
YEDJ1000/9-120-136-15	1000		200	160CM	YST100-250/900(60Hz)	YSM100-250/900(60Hz)	YSD100-250/900 136HP（R4108ZC/100KW）	-	CDL20-5-7.5 10HP(60Hz)
YEDJ500/11-75-88-10	500	11	100	145CM	YST65-315/550(60Hz)	YSM65-315/550(60Hz)	YSD65-315/550 88HP(ZH4102ZC/65KW)	-	CDL12-7-5.5 7.5HP(60Hz)
YEDJ600/12-100-122-10	600	12	150	160CM	YST80-315/750(60Hz)	YSM80-315/750(60Hz)	YSD80-315/750 122HP（YN4D90ZC/90KW）	-	CDL12-7-5.5 7.5HP(60Hz)
YEDJ500/13-100-122-10	500	13	100	145CM	YST65-315/750(60Hz)	YSM65-315/750(60Hz)	YSD65-315/750 122HP（YN4D90ZC/90KW）	-	CDL12-7-5.5 7.5HP(60Hz)
YEDJ600/14-120-136-15	600	14	150	160CM	YST80-315/900(60Hz)	YSM80-315/900(60Hz)	YSD80-315/900 136HP（R4108ZC/100KW）	-	CDL12-9-7.5 10HP(60Hz)

azzm tower

Overview of the Triple Fire Pump System

The Triple Fire Pump System is an integrated firefighting solution composed of three main types of pumps, designed to ensure continuous water supply and system readiness under all conditions. The system includes:

- Electric Pump: This is the primary pump that operates under normal conditions when electrical power is available. It automatically activates when a fire is detected.
- Diesel Pump: Serving as a backup, this pump operates on diesel fuel and automatically takes over if there is a power failure, ensuring uninterrupted water flow during emergencies.
- Jockey Pump: A small-capacity pump used to maintain pressure within the fire protection system. It compensates for minor leaks or pressure drops, preventing unnecessary activation of the main pumps.

This system is built for reliability and efficiency, and is typically designed to comply with international safety standards such as NFPA 20. It is ideal for large facilities such as industrial plants, high-rise buildings, hospitals, and commercial centers.



Electric Pump (Long-Coupled)

Electric Pump: This is the primary pump that operates under normal conditions when electrical power is available. It automatically activates when a fire is detected

Pump connected to motor by coupling

Operation Mechanism:

- Automatically activates upon receiving a signal from the fire detection system (such as a smoke or heat detector).
- Operated through a dedicated control panel that ensures safe and automatic start/stop functionality.
- Delivers high-pressure water to the sprinkler network or manual firefighting points.



azzm tower

Electric Pump (Close-Coupled)

Electric Pump: This is the primary pump that operates under normal conditions when electrical power is available. It automatically activates when a fire is detected

Pump directly connected to an electric motor

Operation Mechanism:

- Automatically activates upon receiving a signal from the fire detection system (such as a smoke or heat detector).
- Operated through a dedicated control panel that ensures safe and automatic start/stop functionality.
- Delivers high-pressure water to the sprinkler network or manual firefighting points.



azzm tower

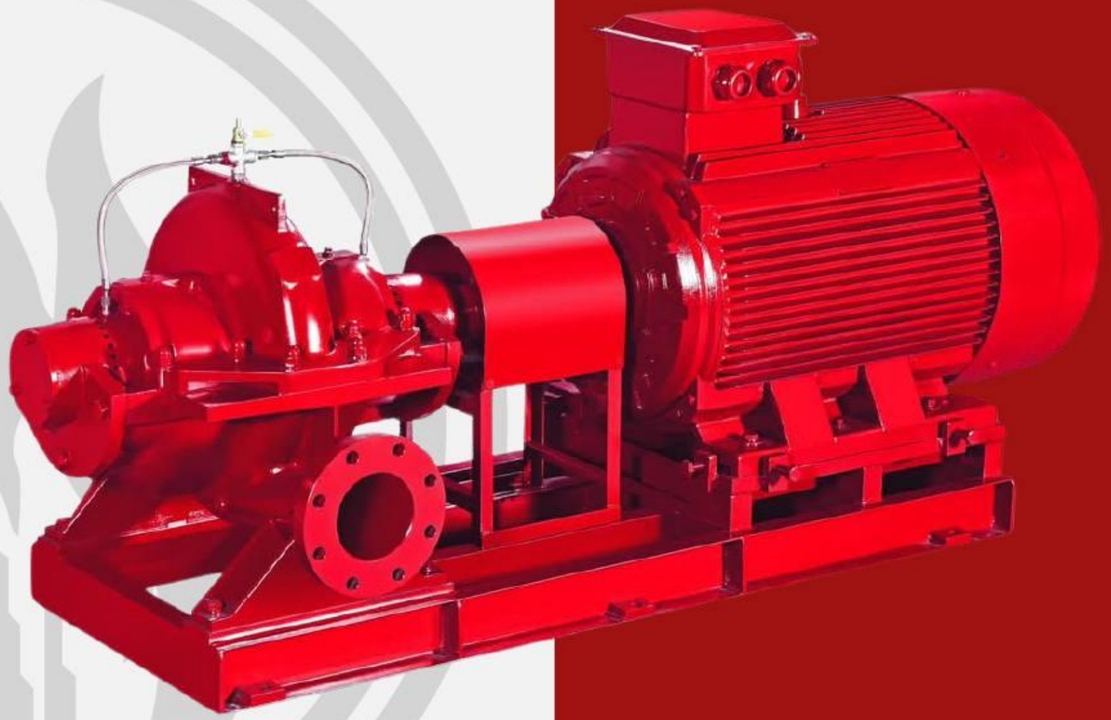
Electric Pump (Horizontal Split Case)

Electric Pump: This is the primary pump that operates under normal conditions when electrical power is available. It automatically activates when a fire is detected

Pump connected to motor by coupling

Operation Mechanism:

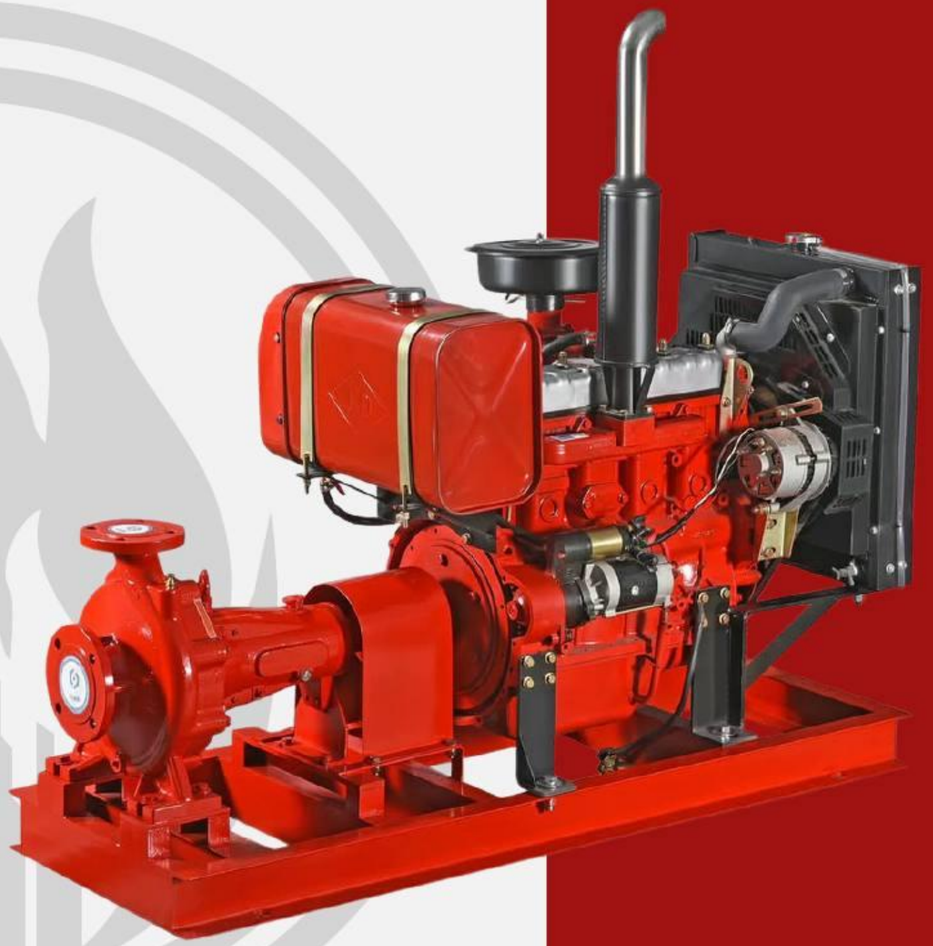
- Automatically activates upon receiving a signal from the fire detection system (such as a smoke or heat detector).
- Operated through a dedicated control panel that ensures safe and automatic start/stop functionality.
- Delivers high-pressure water to the sprinkler network or manual firefighting points.



azzm tower

Diesel Pump

The diesel pump is a vital component in fire protection systems, serving as a backup power source in the event of an electrical outage. It plays a crucial role in ensuring the continuous flow of water during emergencies.



Pump connected to motor by coupling

Operation Mechanism:

- The pump starts automatically if the electric pump fails to operate or if there is a power outage.
- It is powered by a diesel engine, making it completely independent of the electrical grid.
- Operated through an intelligent control panel that monitors its readiness and manages the startup process when needed

Jockey Pump

The jockey pump is an essential supporting component of fire protection systems. It maintains the pressure within the piping network and prevents unnecessary activation of the main fire pumps. Despite its small size, it plays a crucial role in ensuring the system remains ready at all times.

🔹 Operation Mechanism:

- The pump starts automatically when there is a slight drop in water pressure within the system, usually caused by minor leaks or thermal expansion.
- It is not designed to deliver large volumes of water but to keep the system pressure within preset limits.
- Controlled by a pressure switch, it operates and shuts off automatically as needed, without manual intervention.



CONTROLLER

Controller

Description

- Equipped with Smartgen display screen,integrates digitalization, intellectualization and network technologies for precisedata measurement, alarm protection,remote control, measuring.
- DOL or Star Delta starter.
- All controllers completely assembled, wired, and tested.
- Self-acting to start,run, and protect the driver.

Application

- Fire pump controllers are used to monitor and to start and stop fire pumps.



azzm tower

ACCESSORIES



Suction and discharge line



Brass gate valve



Brass check valve



Pressure gauge



Pressure switch



Os&y valve



Gate valve



Check valve



Flexible joint



Battery



Pressure tank



Coupling



Fuel tank



Muffler



Air filter



Radiator



Solenoid

برج العزم
AZZM TOWER

Contact us

Saudi Arabia -Riyadh - As Sulay - Al Noor Area - Exit 18

0548170812 - 0551883921

Azammubark622@gmail.com



We look forward to engaging with you and exploring opportunities for collaboration.