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EJCY self-priming
centrifugal pumps

EIFEL PUMP (FUZHOU) CORPN., LTD.

FULL NAME： Eifel Pump (Fuzhou) Corporation Ltd.(Eifel)
ADDRESS：No.7, Yangyu Road, Phase 1st of Tieling Industry Zone, Minhou, Fuzhou, RR.China
FOUNDED TIME：September, 2004
BUSINESS SCOPE：Pump, motor, diesel engine, complete sets of water-supply equipment

A PROFESSIONAL
PUMP MANUFACTURE

Established in September 2004 as a Sino-foreign joint venture in Fujian Province, Eifel Pump (Fuzhou) Corpn.Ltd. is specialized in supply of water pump products and complete equipments upon international standardsEifel is a leading export manufacturer and supplier of industrial pump products. The production base of Eifel islocated in Minhou, Fuzhou. With a modernized plant covering an area of 32,000m', Eifel has a national largepump testing center with grade 2 accuracy and sophisticated production facilities. Eifel seeks to catch up withinternational standards and our products have been authenticated as the National Scientific and TechnologicalAchievements and the product quality has been approved by the National Center for Quality Supervision andTest of Fire Fighting Equipment. Meanwhile, Eifel has been internationally certified by UL (UnderwriterLaboratories Inc.),PSB (Safety Standards in Singapore), etc.

ENDEAVORING IN CENTRIFUGAL PUMP SUPPLY CONFORMING TO INTERNATIONAL STANDARDS

Since the inception, with the development goal of providing internationally advanced water pumpproducts and professional services, Eifel is able to provide over 10 series of water pumps products as themain products, such as DIN24255/EN733 standard horizontal single-stage end suction centrifugapumps, 1S02858 standard horizontal single-stage end suction centrifugal pumps, horizontal closecoupled end suction centrifugal pumps, horizontal single-stage and double suction split casing pumpsvertical in-ine circulation pumps, non-clogging and self-priming sewage pumps, vertical multiplestainless-steel centrifugal pumps and intelligent constant pressure (no nEGMative pressure) watersupplying equipments, which have taken a leading position in many fields and can be widely used inwater supply system, fire-fighting system, HVAC system, cooling water circulating system, agriculturalirrigation and sewage treatment of industry, construction, urban water supply and drainage, agriculturalwater, environmental protection and other industries.

COMPANY HONOR
AND TECHNOLOGY ACHIEVEMENT

Eifel is a technological enterprise in Fujian and has passed the certifications of IS09001:2015 QualityManagement Systems and the National Work Safety Standardization. In 2014, the ES series split casingpumps jointly developed by Eifel and Jiangsu University was awarded the Appraisal Certificate ofOutcome of Scientific Technology certified and issued by the State Scientific and TechnologicalCommission. Over the years, Eifel has won various provincial, municipal and district-level science andtechnology awards and obtained many utility patents and invention patents for pump products

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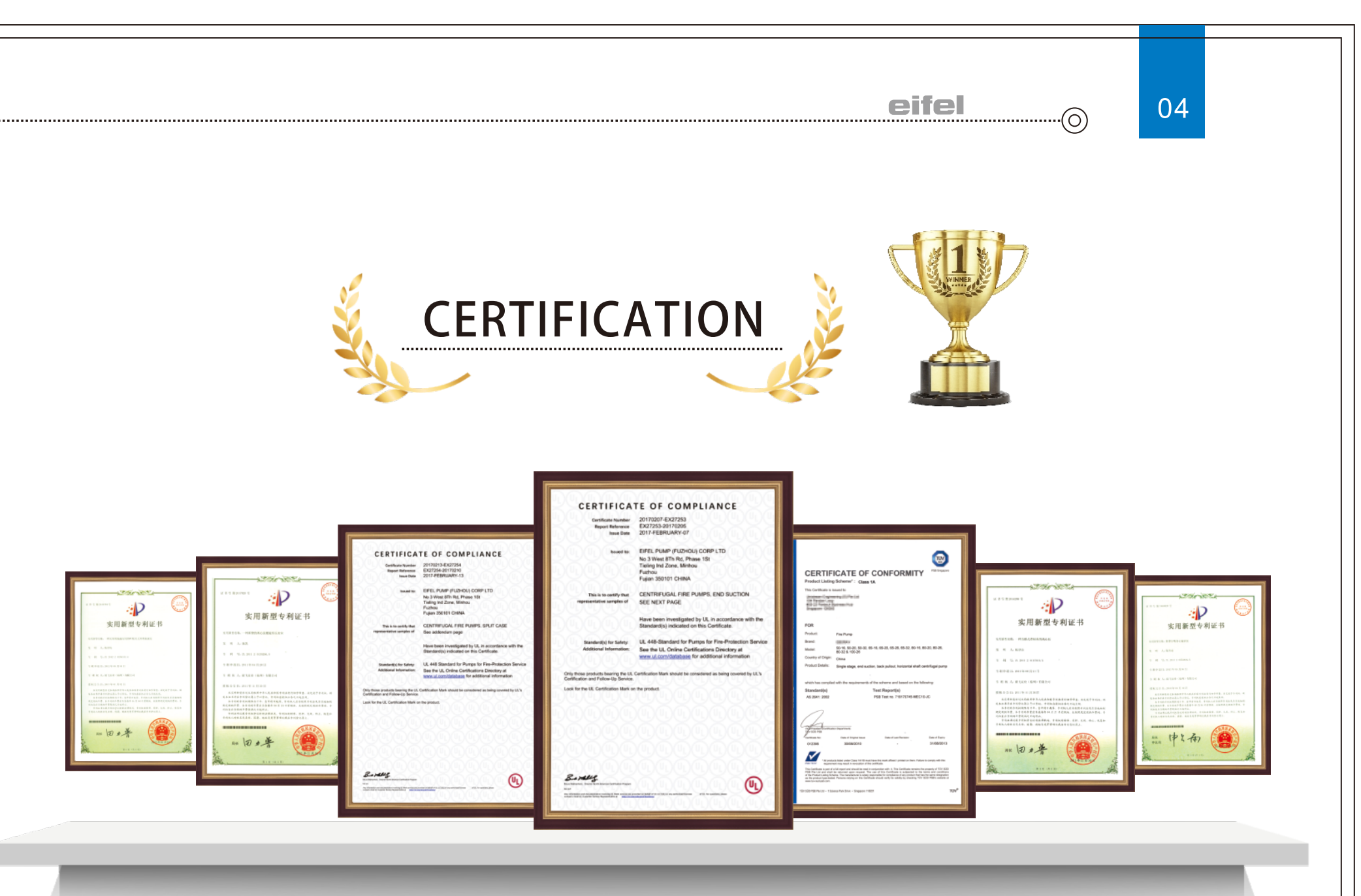
CORPORATE HONOR

CERTIFICATION



PRODUCT OVERVIEW

EJCY vacuum assisted self-priming centrifugal pump units are highly dependable pumps suitable for wellpoint systems or sump pumping on site. At the heart of every EJCY unit there is a heavy-duty EJ/EJT series self-priming centrifugal pump handling liquids containing solids in suspension (for details, consult the EJ/EJT pump leaflet). A separator, closely joined to the liquid pump casing, forms a chamber where air or entrained gases can separate from the liquid and is drawn into a vacuum pump. The vacuum pump makes it possible for the unit to prime "dry" (without first having to fill the pump casing with liquid) and can handle considerable quantities of air, allowing the priming of the wellpoint system and maintaining it under vacuum, or draining an excavation thoroughly under "snore" conditions.

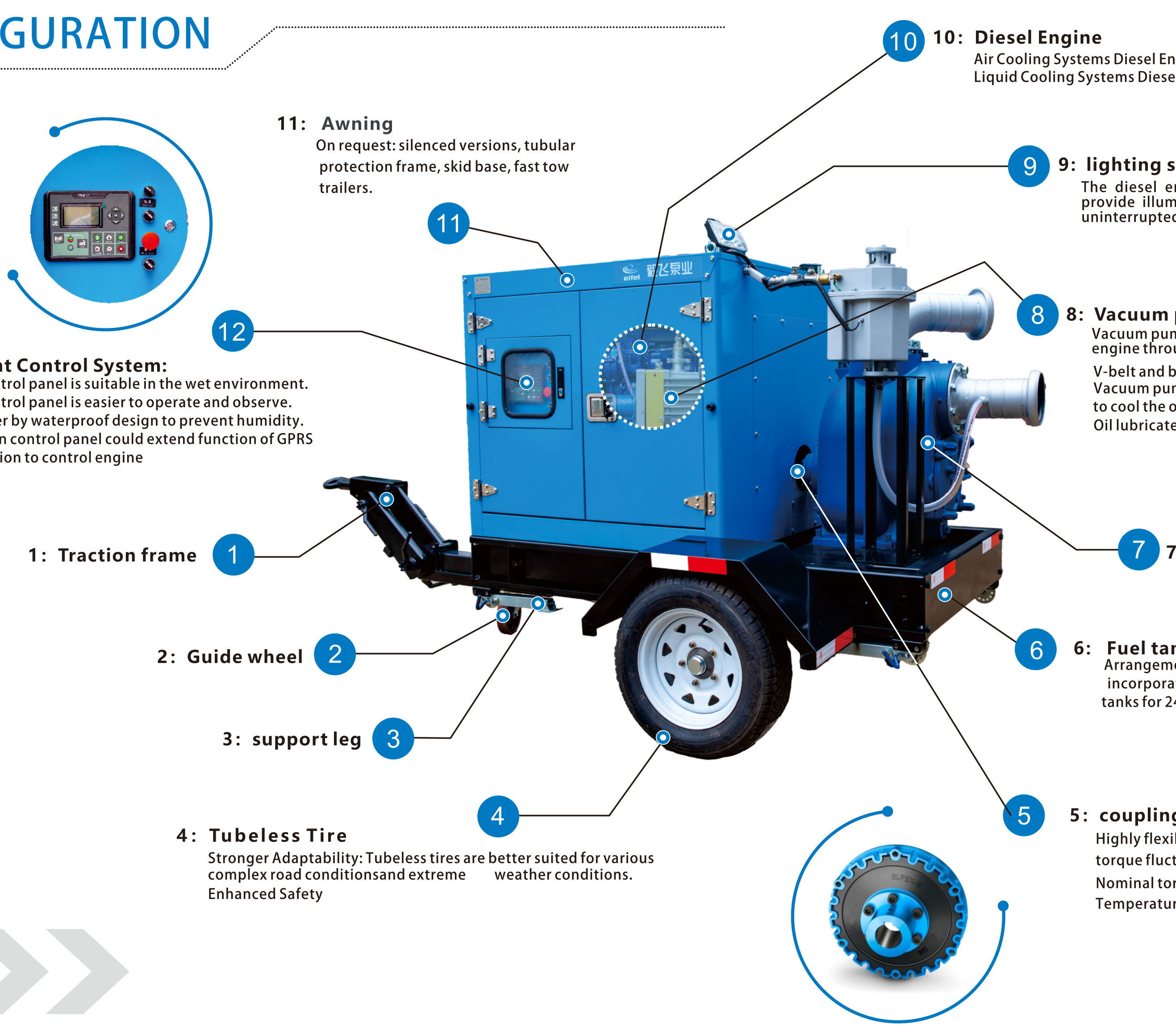
APPLICATIONS

- Wellpoint dewatering systems
- Horizontal drainage with drainage hoses
- Construction site dewatering
- Sewage by-pass
- Quarries
- Sludge and slurry

BENEFITS

- Automatic dry priming with vacuum pump
- High continuous air capacity
- Self-priming centrifugal pump which secures operation in case of a fault with the vacuum pump
- Large diameter solids handled, making the units suitable both for sump pumping and for wellpoint systems
- Robust construction: cast iron separator and stainless steel float mechanism
- Oil lubricated vacuum pump with oil recovery system
- Arrangement on heavy duty two wheeled site trailer incorporating fuel tanks for 24 hours of operation.
- On request: silenced versions, tubular protection frame, skid base, fast tow trailers.

CONFIGURATION



11: Awning
On request: silenced versions, tubular protection frame, skid base, fast tow trailers.

12: Intelligent Control System:
LED type control panel is suitable in the wet environment.
LED type control panel is easier to operate and observe.
Board is cover by waterproof design to prevent humidity.
Digital screen control panel could extend function of GPRS communication to control engine

1: Traction frame

2: Guide wheel

3: support leg

4: Tubeless Tire
Stronger Adaptability: Tubeless tires are better suited for various complex road conditionsand extreme weather conditions.
Enhanced Safety

10: Diesel Engine
Air Cooling Systems Diesel Engine
Liquid Cooling Systems Diesel Engine

9: lighting system
The diesel emergency lighting system boasts high reliability and can provide illumination during night-time operations to ensure safety and uninterrupted operation.

8: Vacuum pump
Vacuum pump driven by the rear PTO of the diesel engine through
V-belt and belt tightener.
Vacuum pump oil reservoir incorporated in the separator to cool the oil.
Oil lubricated vane type vacuum pump with built-in cooling fan

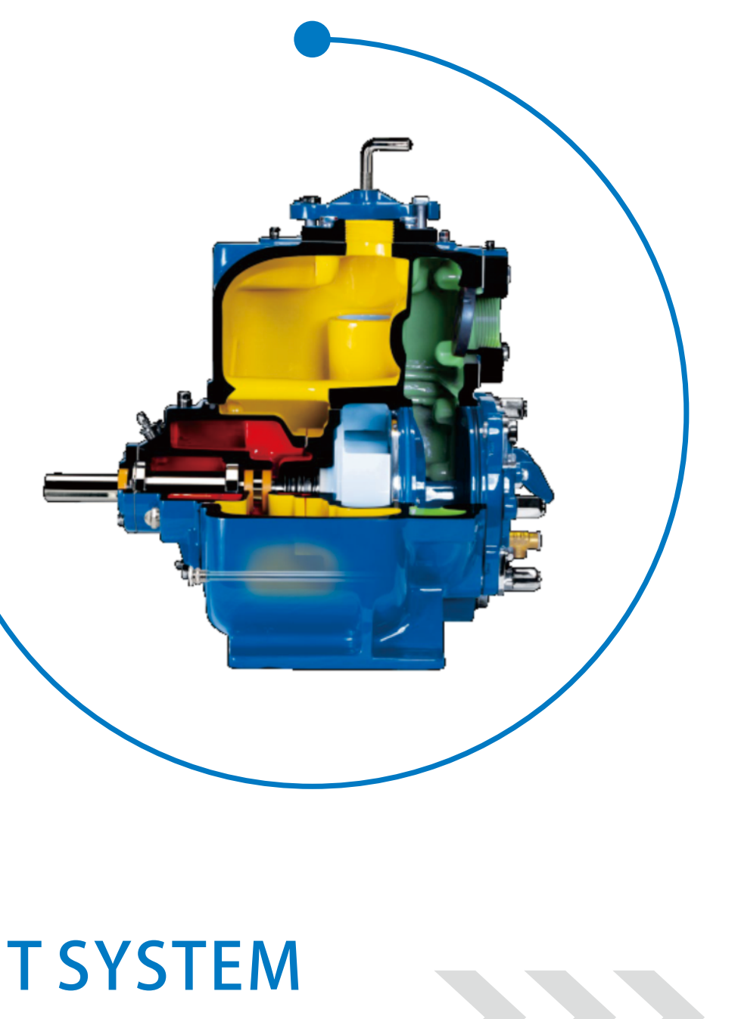
7: self-priming centrifugal pumps

6: Fuel tank
Arrangement on heavy duty two wheeled site trailer incorporating fuel tanks for 24 hours of operation.

5: coupling
Highly flexible rubber disk coupling to connectmachines with high torque fluctuations
Nominal torque range from TKN = 330 Nm up to 63,000 Nm with 17 sizes
Temperature range: from －40° C to +120° C

PUMP CHARACTERISTICS

- Removable front cover allows washing, unclogging in the field and routine maintenance operations without disconnecting the pipes and removing the pump from the installation.
- Semi-open impeller made from casting, with two high thick vanes, with the passage of solids from 38 to 76 mm.
- Rotating unit fully removable from the rear; if a spacer coupling is fitted, the operation can be performed without disassembling the motor, pump, and pipes.
- Clapet valve easily replaceable through the inspection cover without disconnecting the pipes. Front and rear wear plates rubber lined to protect the impeller vanes from abrasion.
- Front wear plate easily adjustable from the outside (via adjusting screws) to restore origi- nal performance
- Mechanical seal self-aligning in tungsten carbide with elastomers in Viton Mechanical seal and bearings placed inside separate and independent oil chambers, with level check visual indicators, to ensure greater reliability in case of dry running
- Upper cover and lower drain plug to allow filling, emptying, and washing of the pump casing Relief valve to protect the pump and system from incorrect operations



REMOTE MANAGEMENT SYSTEM

- Monitor operating data remotely, observe operating hours and duration of operation.
Implement remote shutdown.
Remotely view the location of the device.

VACUUM SYSTEM

- Vacuum chamber is made of aluminum, and compact design reduced weight of pump.
Automatic work will adjust vacuum suction between vacuum pump and pump body. After vacuum pump exhausts, vacuum chamber will relief pressure automatically that makes no water into the vacuum pump.
Vacuum pump driven by the rear PTO of the diesel engine through V-belt and belt tightener.

PERFORMANCE TABLES

code	Model	Pump Model	Orifices		solidi	Self-priming lifts	Capacity	Head	Speed	Diesel Engine
			mm	in	mm	m	m³/h	m	rpm	Model
1	EJTCY-150	EJT4	100	4"	76	7.6	70 115 150	18 15 12	1500	ZH4100D
2	EJCY-160	EJ100-250	100	4"	50	4.5	60 120 160	26 20 14	1800	ZH4100D
3	EJCY-240	EJ150-250	150	6"	76	6	95 200 240	13 10 8	1500	ZH4100D
4	EJCY-300	EJ150-250	150	6"	76	6	115 240 300	20 14 12	1800	ZH4100D
5	EJTCY-320	EJT6	150	6"	76	7.5	130 215 320	26 21 15	1500	ZH4105D
6	EJCY-320	EJ150-400	150	6"	50	7	150 200 320	37.5 36 30	1500	R4105AZLD
7	EJCY-400	EJ200-300	200	8"	60	6.5	150 300 400	18.5 14 9	1500	ZH4100D
8	EJTCY-600	EJT8	200	8"	76	7	280 450 600	32 25 16	1500	R4105AZLD
9	EJTCY-800	EJT10	250	10"	76	6.7	400 650 800	36 31 25	1500	R6105ZLD