

Technical Parameters			
Equipment name: Horizontal single-stage single-suction diesel centrifugal pump			
Device model: IS100-80-125C			
Device data			
1	Conveying medium: clean water	2	Medium density: 1000 kg/ m ³
3	Medium temperature: ≤80 °C		
4	Medium characteristics: ☐ Corrosive ☐ Abrasive ☐ Flammable ☐ Other ()		
5	Pump structure: ☐ Vertical ☒ Horizontal ☒ Single stage ☐ Multi-stage ☒ Single suction ☐ Double suction ☐ Self-priming		
6	Transmission mode: ☐ Direct connection ☒ Elastic coupling ☐ Belt ☐ Gearbox ☐ Other ()		
7	Pump body support method: ☒ foot ☐ center line ☐ bracket ☐ suspension (vertical)		
8	Shaft seal type: ☒ Packing seal ☐ Mechanical seal	9	Impeller type : ☐ Open ☒ Closed
10	Seal flushing: ☒ Self flushing ☐ External flushing	11	Bearing cooling: ☒ Air cooling ☐ Water cooling ☐ Air cooling
12	Bearing type: ☐ sliding ☒ rolling	13	Bearing lubrication: ☐ Grease ☒ Oil bath ☐ Water lubrication
14	Drive mode: ☐ Electric motor ☒ Diesel engine	15	Pump direction: Viewed from the drive end ☒ Clockwise ☐ Counterclockwise
16	Rated flow rate: 80 m ³ /h	17	Rated head: 12.5 m
18	Rated speed: 2900 r/min	19	Efficiency: 64%
20	Water inlet diameter: DN100	21	Water outlet diameter: DN80
22	Pump body material: cast iron	23	Impeller material: cast iron
24	Pump shaft material: 45#	25	Base material: carbon steel
26	Diesel engine power: 8 kW		