



QDY series horizontal multistage oil pump

1 Product Overview

QDY series horizontal multistage pump is a horizontal, radially split segmental multistage centrifugal pump. It is designed in accordance with API610 8th edition "Centrifugal Pumps for Petroleum, Heavy Chemical and Natural Gas Industries" standard, and meets the design requirements of the 9th and 10th editions.

The casing adopts a radial guide vane structure, and the center support or foot support structure can be selected according to the operating temperature. The inlet and outlet can be flexibly arranged in multiple directions to meet the needs of different users.

This series of pumps has a simple and reliable structure, stable operation, long service life, and is easy to maintain and repair.

The first-stage impeller and secondary impeller of this series of pumps are designed with different design concepts. The first stage considers the cavitation performance of the pump, and the secondary considers the efficiency of the pump, so that the entire pump has excellent cavitation performance and efficiency.

The sealing system is designed in full accordance with API682 2nd edition "Centrifugal Pump and Rotary Pump Shaft Seal System", and can be configured with various forms of sealing and flushing cooling solutions. It is suitable for various complex working conditions and has a wide range of uses.

Some specifications have two sets of hydraulic models, and the high-efficiency zone is long, which can meet the high-efficiency operation of the pump in a longer area and has good anti-cavitation performance.

2 Model Description

QDY80B-5

QDY: Product Series Code

80: Pump Outlet Nominal Diameter

B: Hydraulic Group

-5: Impeller Stage

3 Design Parameters

Flow Range: ~500m³/h

Lift Range: ~1200m

Applicable Temperature: -80~180°C

Design Pressure: ~15MPa

4 Application Range

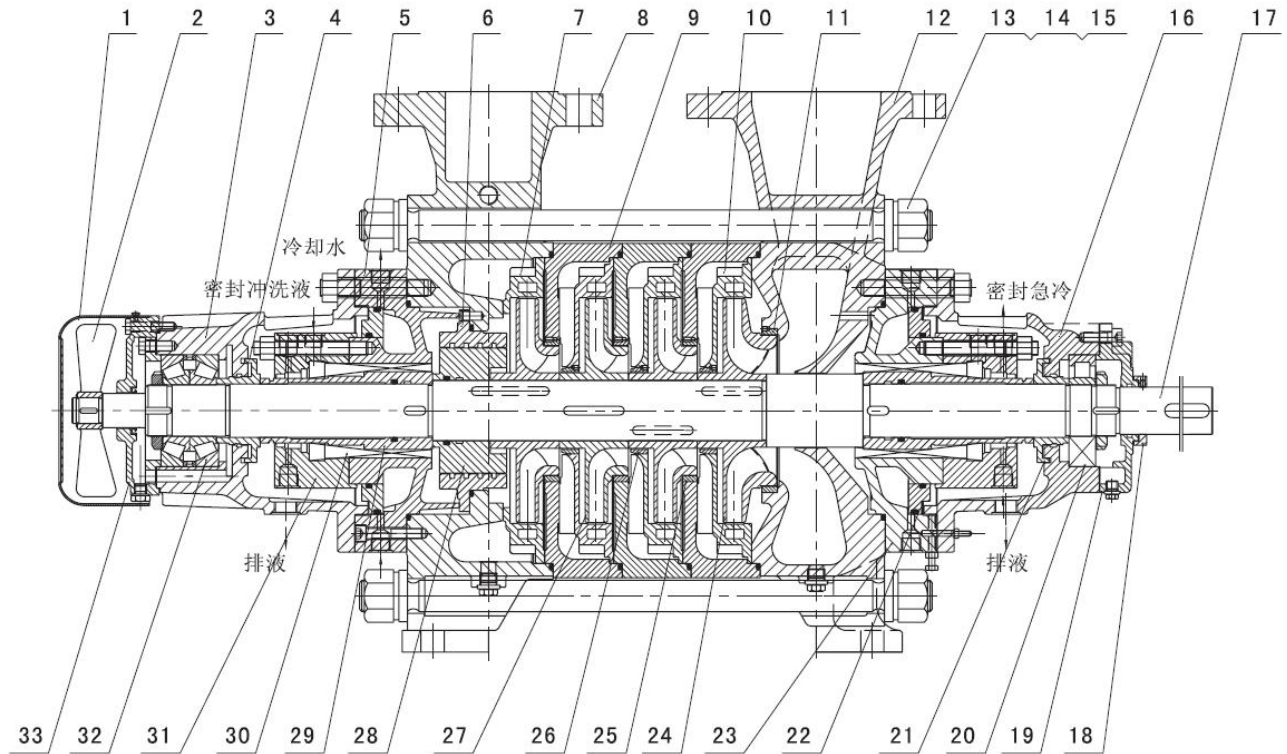
Widely used in industrial water supply devices, thermal power plants, refineries, petrochemicals, coal chemicals, cooling or heating systems, urban water supply, water treatment and other industries. Can transport a variety of clean neutral or corrosive media.

Typical applications: low-pressure, medium-pressure boiler feed water, water injection pumps, urban high-rise water supply, etc.



QDY series horizontal multistage oil pump

5 Sectional Drawing

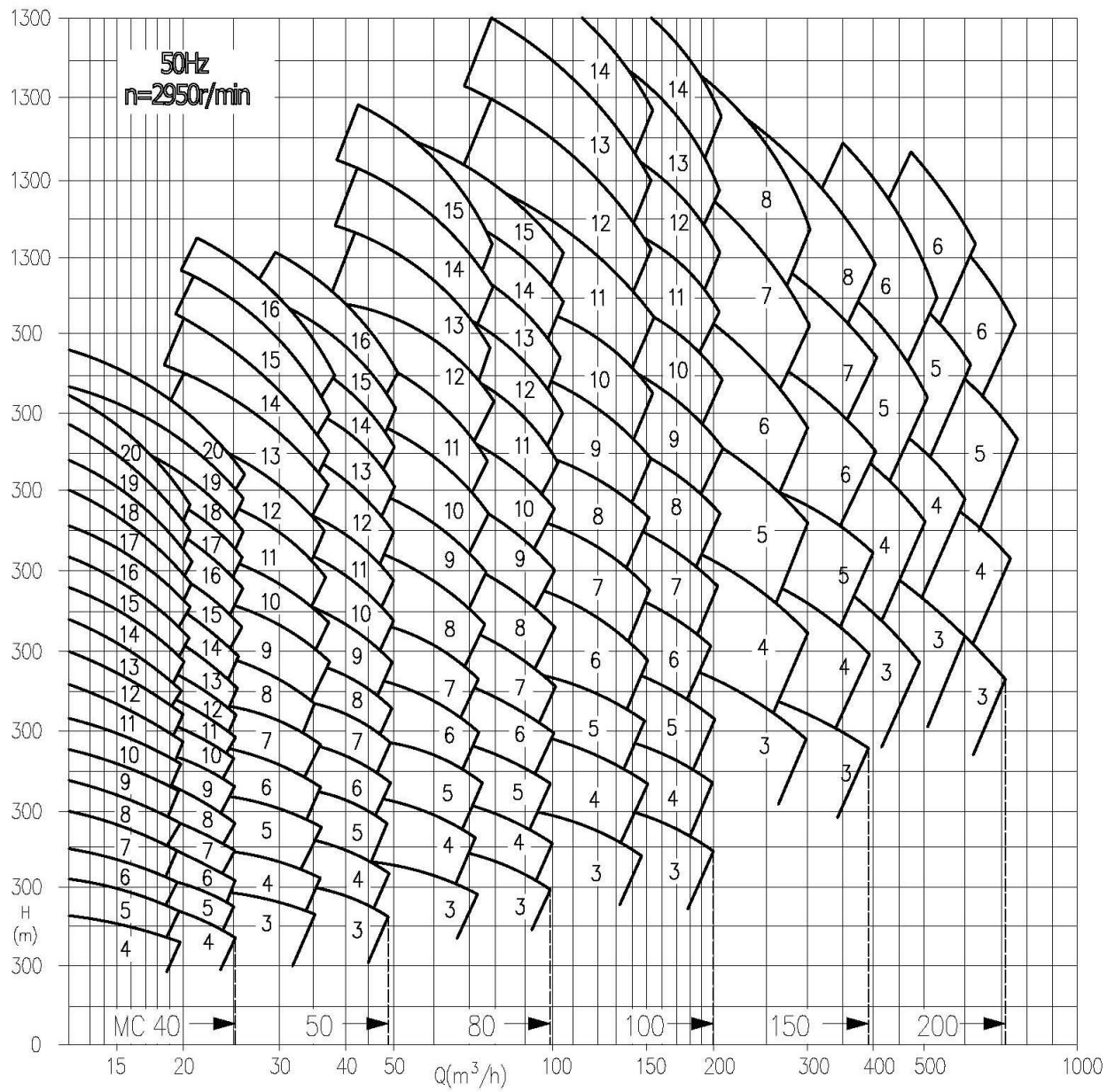


1	Fan cover	8	Discharge section	15	poles	22	Cooling water cover	29	Shaft sleeve
2	Fan	9	Middle section	16	Bearing housing (drive end)	23	Sealing housing (drive end)	30	Mechanical seal
3	Bearing housing (non-drive end)	10	Guide vane	17	Shaft	24	Head impeller	31	Seal gland
4	Dust proof disc (non-drive end)	11	Suction wearing ring	18	Dust proof ring	25	Middle wear ring	32	Bearing
5	Sealing housing (non-drive end)	12	Suction section	19	Bearing gland (drive end)	26	Guide vane wear ring	33	Bearing housing (non-drive end)
6	Balancing sleeve	13	Adjusting washer	20	Bearing	27	Impeller		
7	The last stage guide vane	14	Poles nut	21	Dust proof disc (drive end)	28	Balance drum		



QDY series horizontal multistage oil pump

6 Atlas Curve

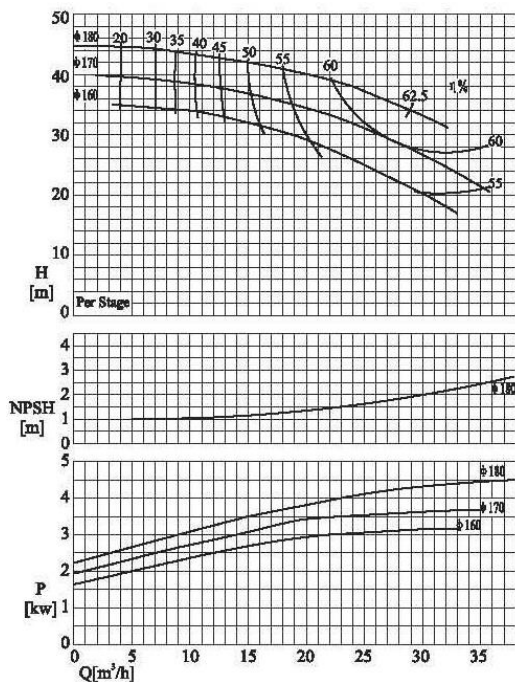




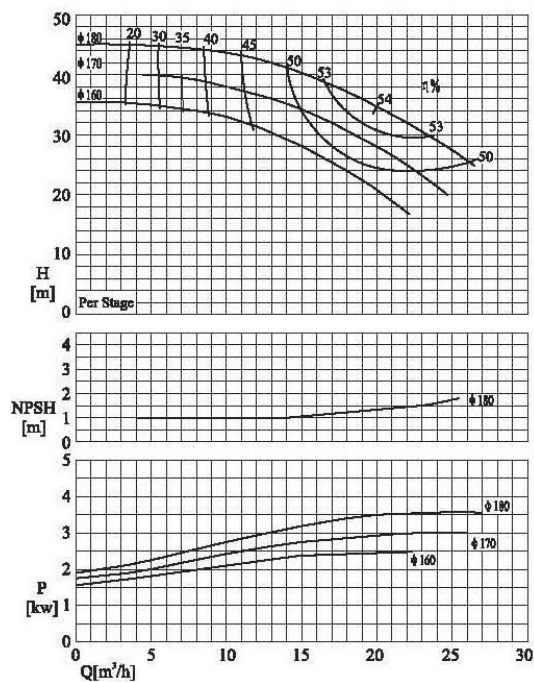
QDY series horizontal multistage oil pump

7 Performance Curve

Model	QDY40A	Speed	2950r/min
Inlet diameter	80mm	Outlet diameter	40mm



Model	QDY40B	Speed	2950r/min
Inlet diameter	80mm	Outlet diameter	40mm





QDY series horizontal multistage oil pump

