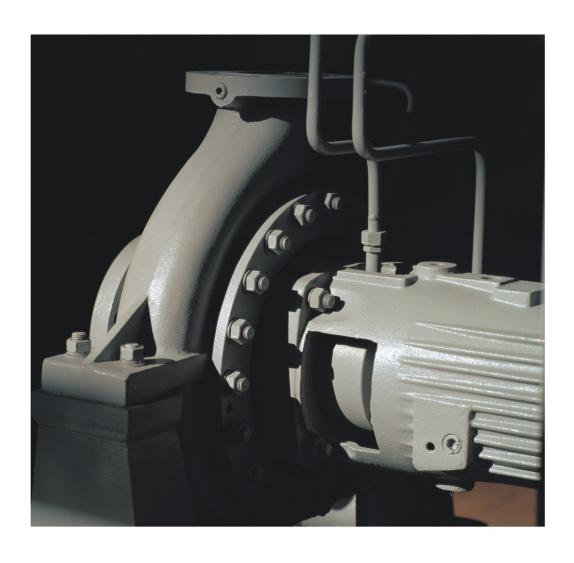






# CA, CE, CF

# **Heavy Duty Petrochemical Process Pumps**



### **Application**

Refineries Petrochemical industry
Coal processing Lower temperature engineer

Chemical industry Fibre industry
Paper and pulp industry Sugar industry
Water industry

Air condition Nuclear power station

Offshore industry

## **Performance Range**

Size 25 up to 400mm

Capacity up to 2600m³/h

Head up to 250m

Working pressure up to 7.5Mpa

Operating temperature -80°C up to +450°C

#### **Standard Material**

According to API 610 standard

### Description

Single stage, horizontal volute casing pump with feet below and single entry impeller, end suction type. Depending on operating conditions hydraulic balance provided by front or wear rings and balance holes.

Full compliance with the latest edition of API 610, heavy duty fan cooled bearing housing, heavy duty and non-grout baseplates for PAU and offshore application.

Casing cover with cooling or heating connections, shaft sealing by packing or mechanicals seals of any design (single or double working), connections for cooling, flushing or sealing liquid.

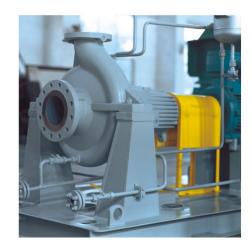
Standard pipework according to API 682 Plans. Cooling system for high temperature pumping. Flanges according to DIN or ANSI.

CA working pressure up to 2.5Mpa, can be supplied with open impeller. (Code OH1)

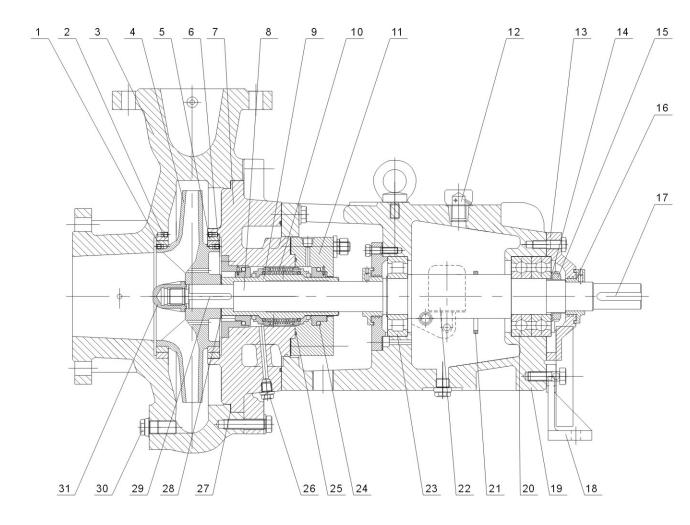
CE working pressure up to 5.0Mpa, can be supplied with open impeller. (Code OH2)

CF working pressure up to 7.5Mpa. (Code OH2)





## **Sectional Drawing**



1. Volute casing

2. Impeller wear ring

3. Casing wear ring

4. Impeller

5. Impeller wear ring

6. Casing wear ring

7. Casing cover

8. Mechanical seal

9. Sealing cover

10. Vent filter

11. Protective cover

12. Collar

13. Deflector

14. Keyway

15. Bearing nut

16. Bearing cover

17. Supporting foot

18. Bearing

19. Bearing bracket

20. constant-level oiler

21. Lubricating ring

22. Antifriction bearing

23. O-ring

24. Shaft

25. O-ring

26. 1/4" screwed plug

27. Flat gasket

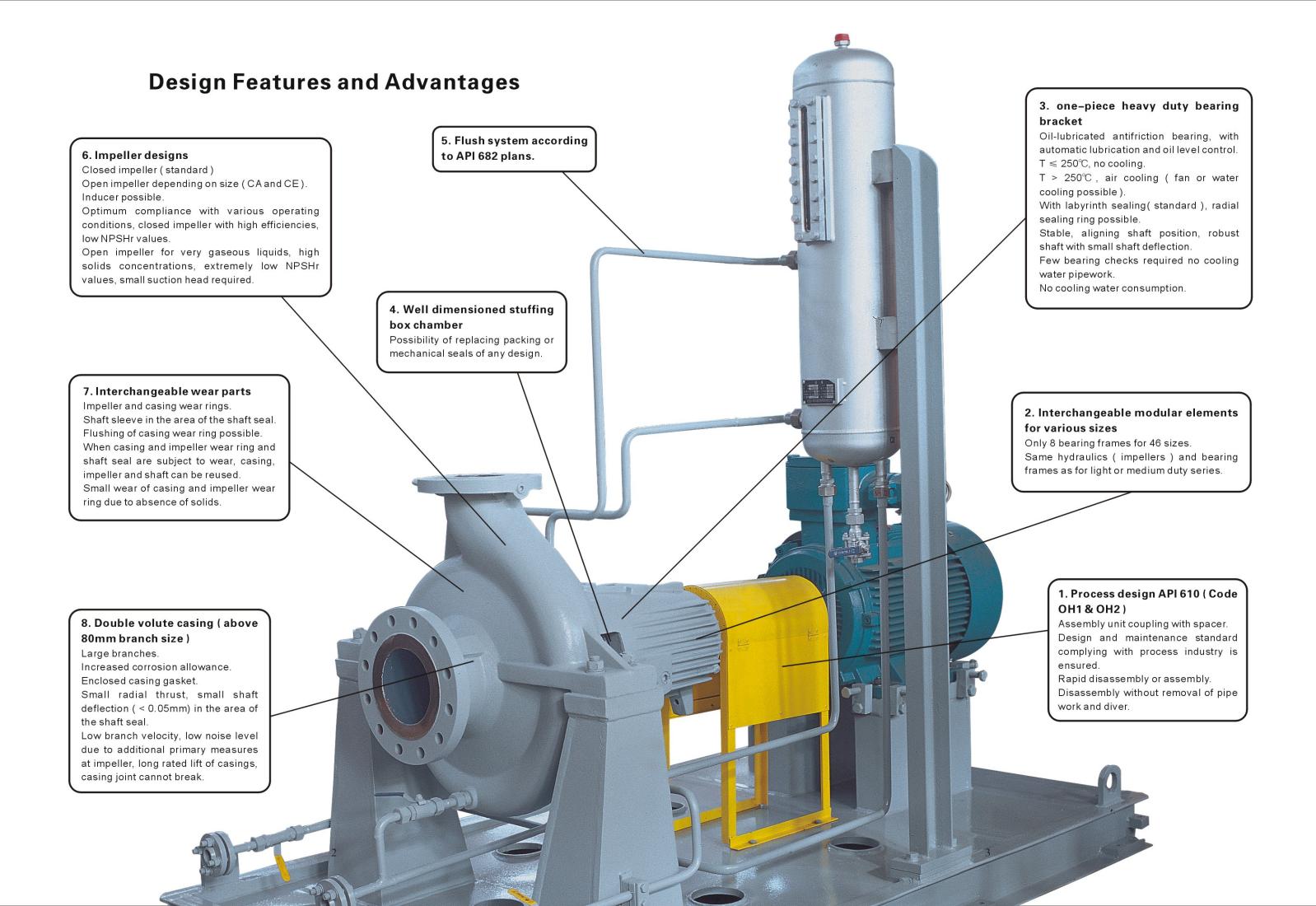
28. Casing foot

29. 1/2" pipe plug

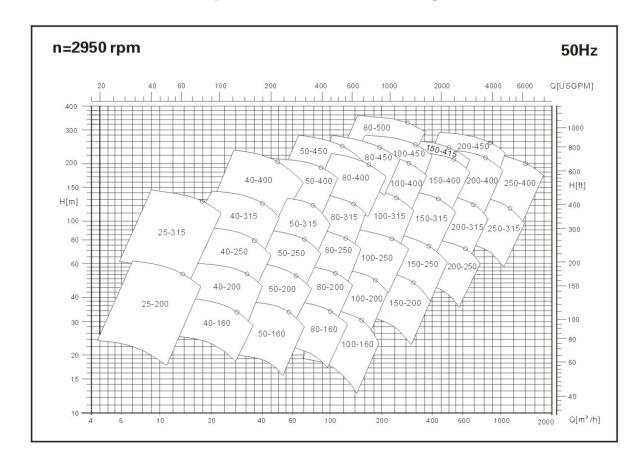
30. Keyway

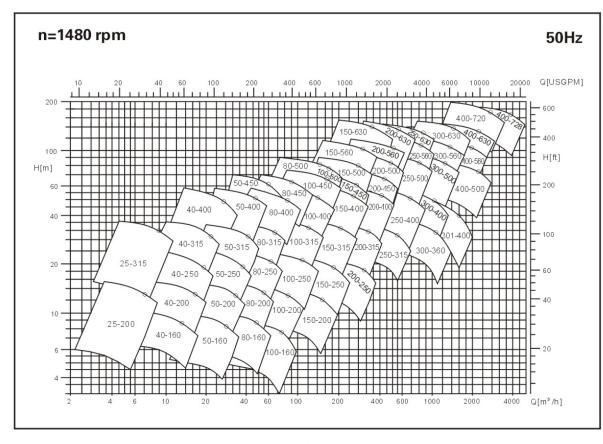
31. Impeller nut

1

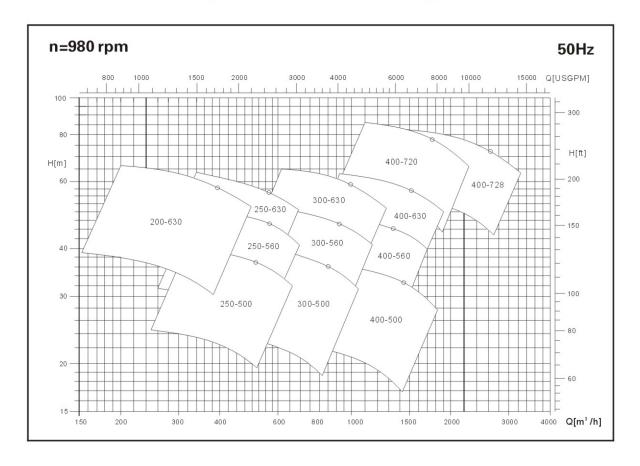


# **Hydraulic Coverage**





# **Hydraulic Coverage**







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