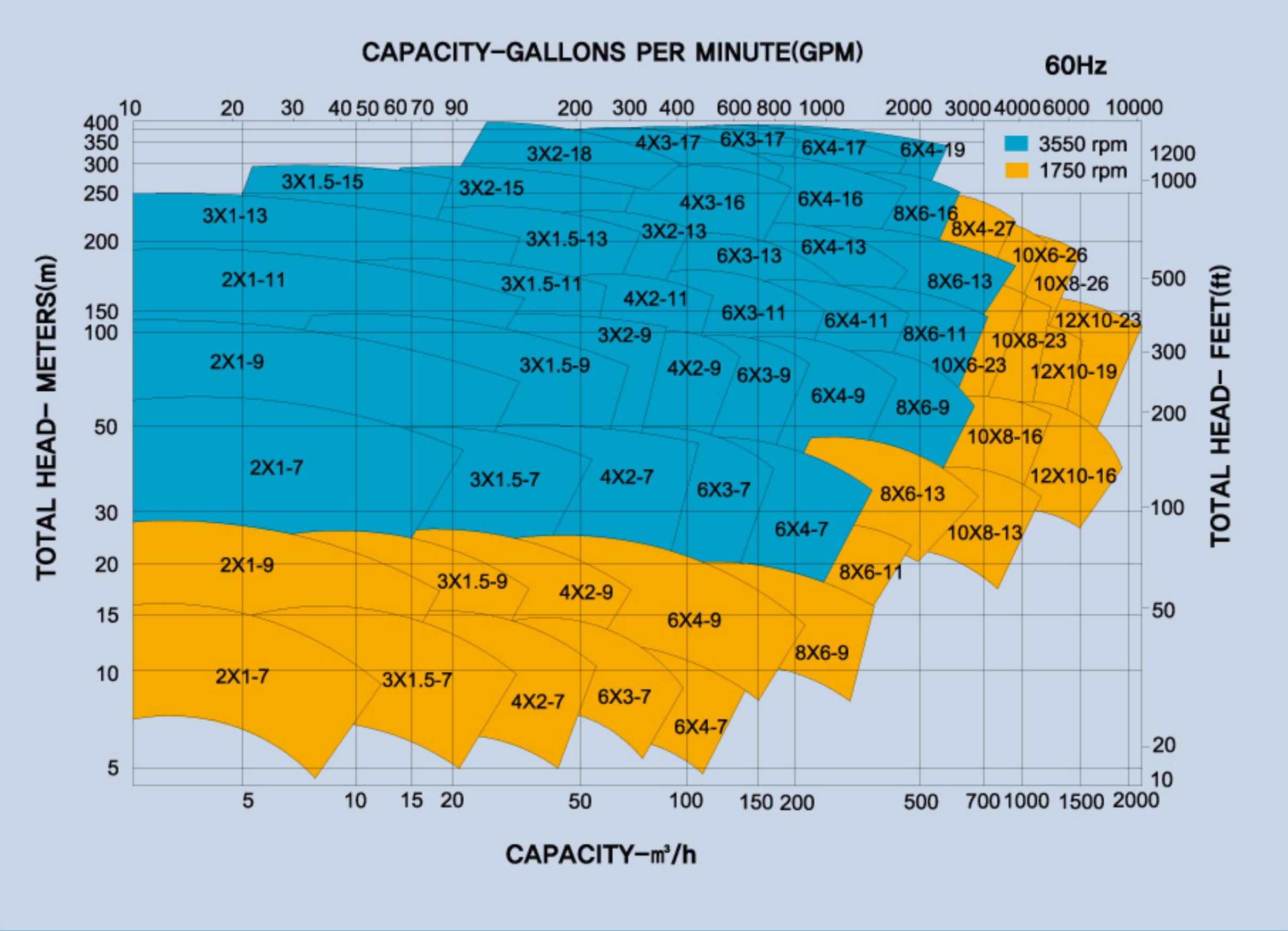
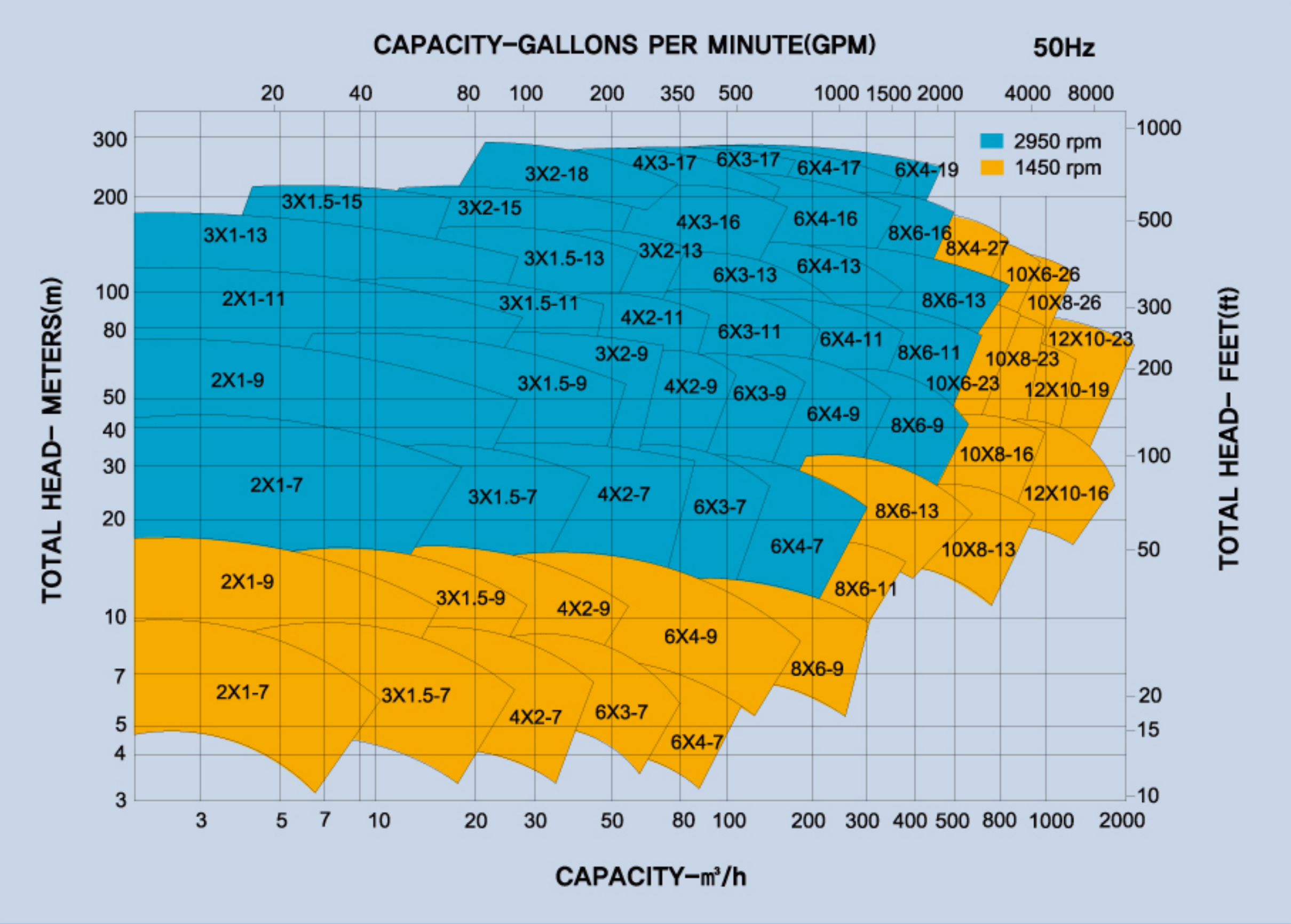


PUMP SELECTION GUIDE

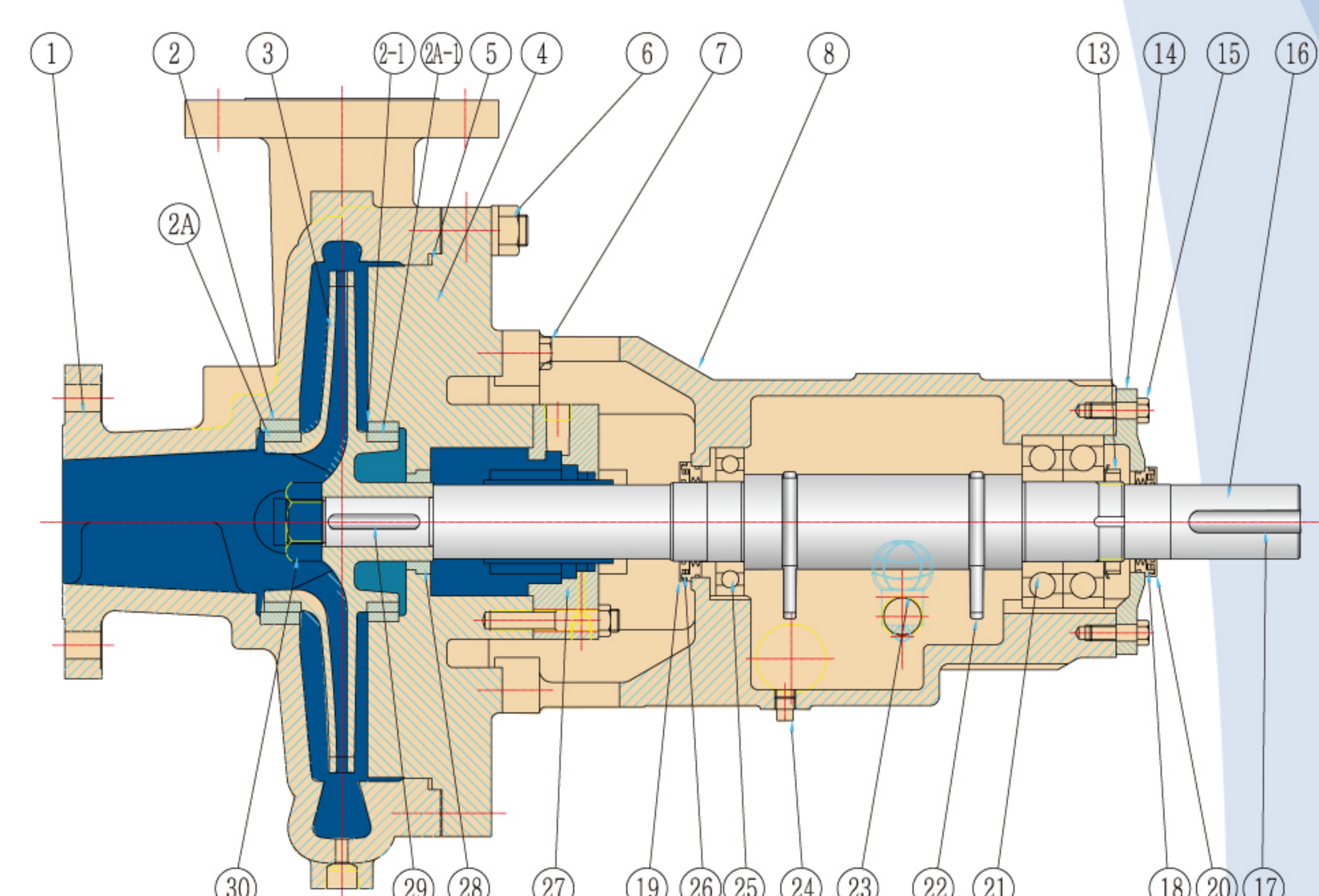
3550/1750 RPM(60HZ)



2950/1450 RPM(50HZ)



SECTIONAL



NO	NAME OF PART
1	CASING
2	CASING WEAR RING
2A	IMPELLER WEAR RING
2-1	CASING WEAR RING
2A-1	IMPELLER WEAR RING
3	IMPELLER
4	END COVER
5	GASKET CASING-COVER
6	STUD CASING-COVER
7	BOLT/COVE-ADAPTER

NO	NAME OF PART
8	BEARING FRAME
13	LOCK NUT & WASHER
14	BEARING COVER
15	BOLT BHSG-B/FRAME
16	SHAFT
17	KEY SHAFT-COUPPLING
18	LABYRINTH SEAL OUT
19	DEFLECTOR-IN
20	DEFLECTOR-OUT
21	BEARING (THRUST)

NO	NAME OF PART
22	OIL RING
23	CONSTANT LEVEL OILER
24	OIL PLUG
25	BEARING (RADIAL)
26	LABYRINTH SEAL IN
27	M/SEAL COVER
28	THROAT BUSH
29	IMPELLER KEY
30	IMPELLER NUT

DONGYANG CHEMICAL PUMP CO.,LTD.

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* Contents in this leaflet are subject to change without prior notice.

API 610 11th ed. Single-Stage Process Pump(OH2)

TSP Series



API 610 11th ed. Single-Stage Process Pump(OH2)

TRUFLO

Bulletin No. EX-05, Rev.1(2015.02)

TSP SERIES

API 610 Single-Stage Process Pump(OH2)

- Max.Capacity : 1500m³/h (6600GPM)
- Max.Head : 340m (1120ft)
- Temperature : 400°C (752°F)
- Allowed Pressure : 60kg/cm² (853psi)
- Power : 1200kw (1600HP)
- Material : DCI, WCB, CF8, CF8M, CD4M, CN7M, HASTELLOY B&C, standard labyrinth oil seal & magnetic drain plug.
- Maximum hydraulic efficiency.
- Centerline Mounted
- High temperature stability.
- Designed for one craft maintenance.

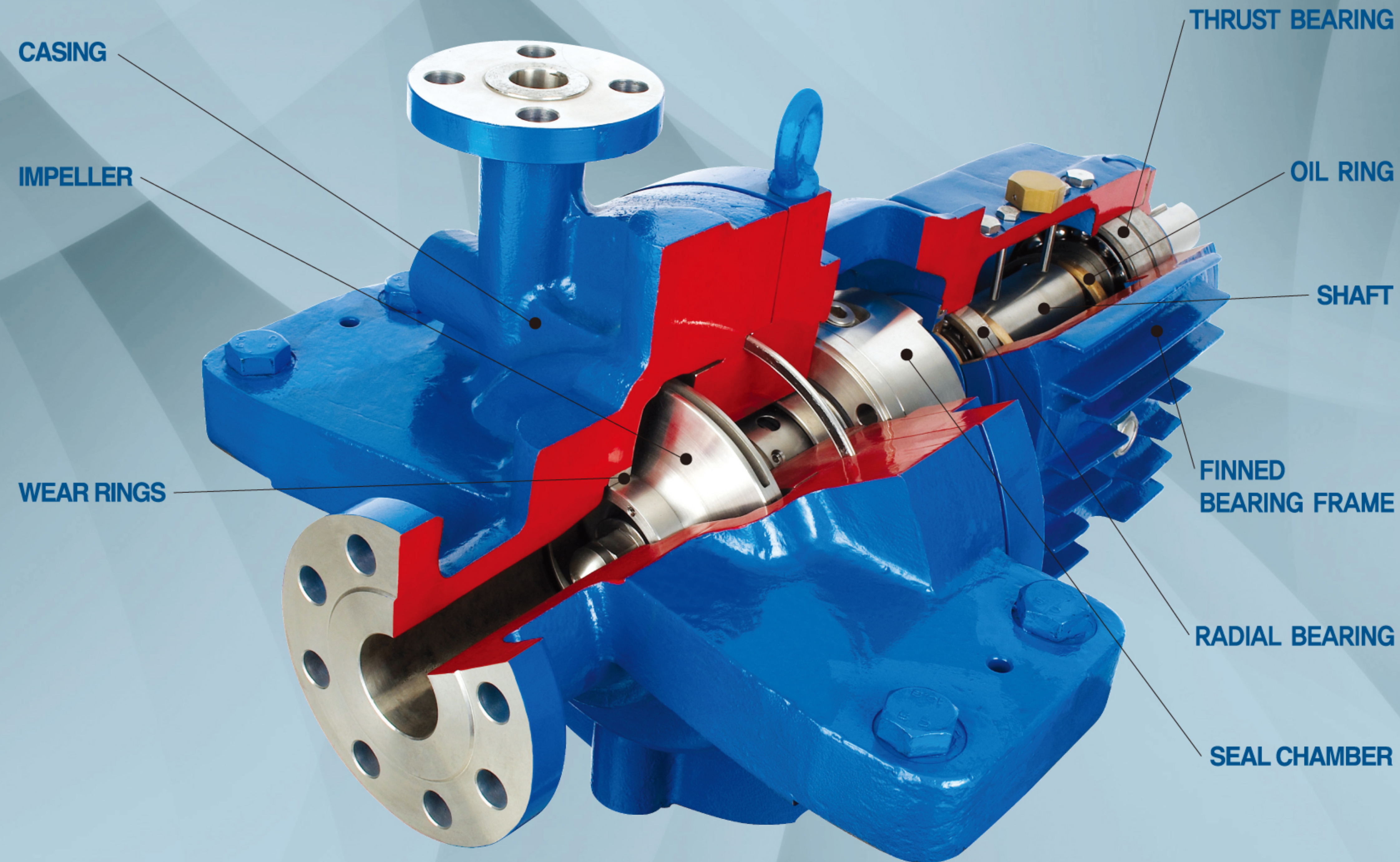
TRUFLO TSP Series Pumps are designed and manufactured to offer customers to optimum hydraulic performance and reliability.

All pumps produce for meeting the design requirement of API 610 11th edition.

These process pumps have high temperature stability, the simple construction of TSP(OH2) pumps provide ease of maintenance and installation.

TSP single stage process pumps are appropriate for using on a wide variety of industrial and whole plants.

05. TSP serie



BEARINGS

- Duplex angular contact thrust bearings and deep-groove radial bearings
- Exceeds API-610 requirements.

HEAVY DUTY BEARING FRAME

- Rigid design provides better vibration characteristics.
- 3 bearing frames cover all TSP series.
- Metal-to-metal fits provide runouts and concentricities well within limits specified in API-610

FINNED FRAME

- Standard cast finned frame provides natural air cooling.
- Optional cooling fan to improve the cooling condition.

OIL RING

- Standard oil ring provides better bearing lubricating condition.

DEFLECTOR & LABYRINTH OIL SEALS

- Labyrinth seal design prevents oil from leaking out and contaminants from intruding. Made from non-sparking metal.

SEAL CHAMBER

- Enlarged seal chamber fully conforms to API-610 standards.
- Accepts wide range of API 682 cartridge mechanical seals.
- Renewable throat bushing standard for controlled seal chamber environment .

IMPELLER

- Multiple closed impellers for most casings to meet specific hydraulic requirements.
- Balanced to stringent requirements of API-610.

RENEWABLE WEAR RINGS STANDARD ALL SIZES

- Positively locked and set screwed.
- Front and rear rings control seal chamber flows and pressures .

TANGENTIAL DISCHARGE

- Design maximizes hydraulic efficiency.

API 610 11th ed. **Single - Stage Process Pump (OH2)**