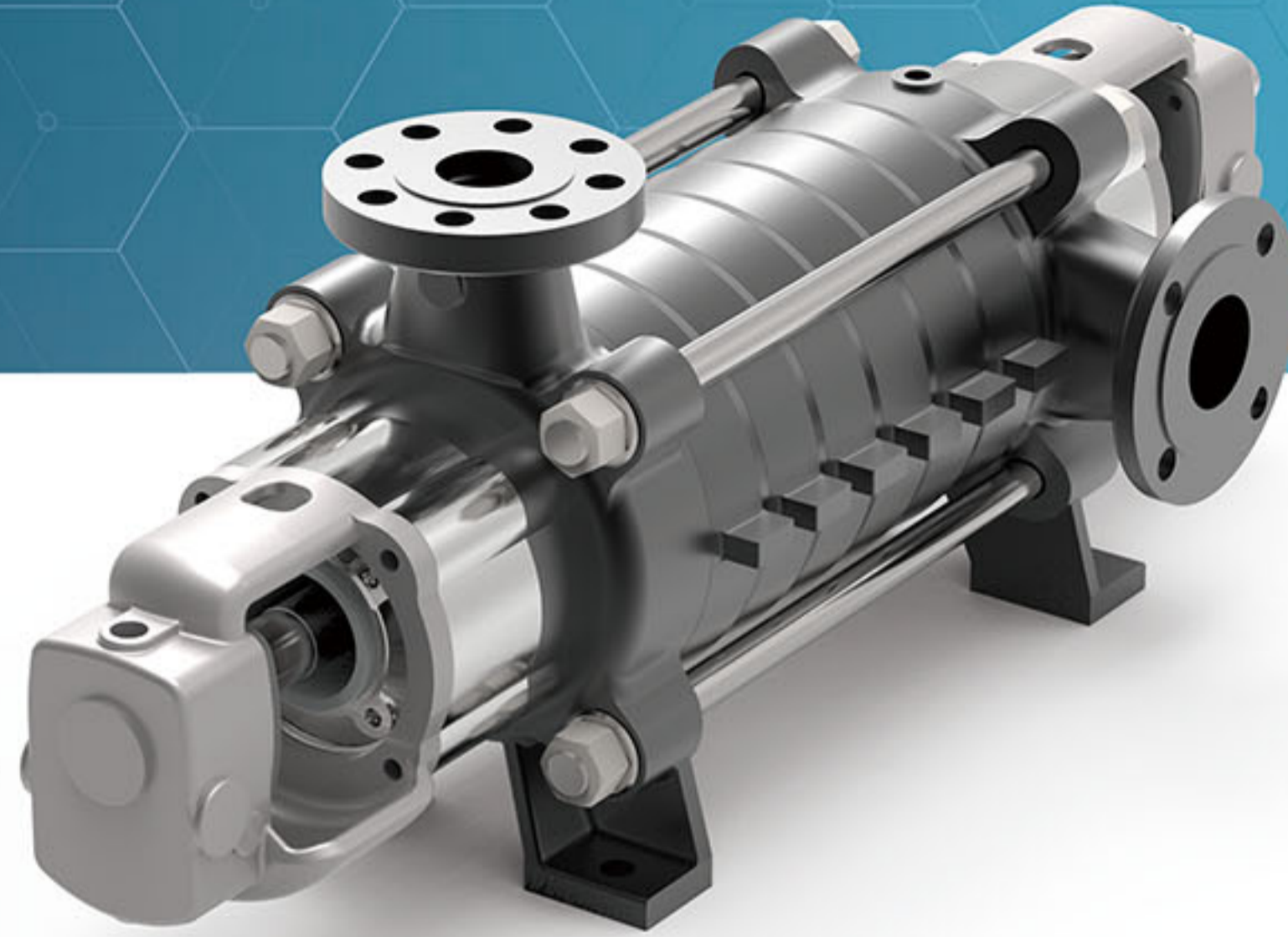


High Pressure Multi Stage Turbine Pumps

HT



Applications

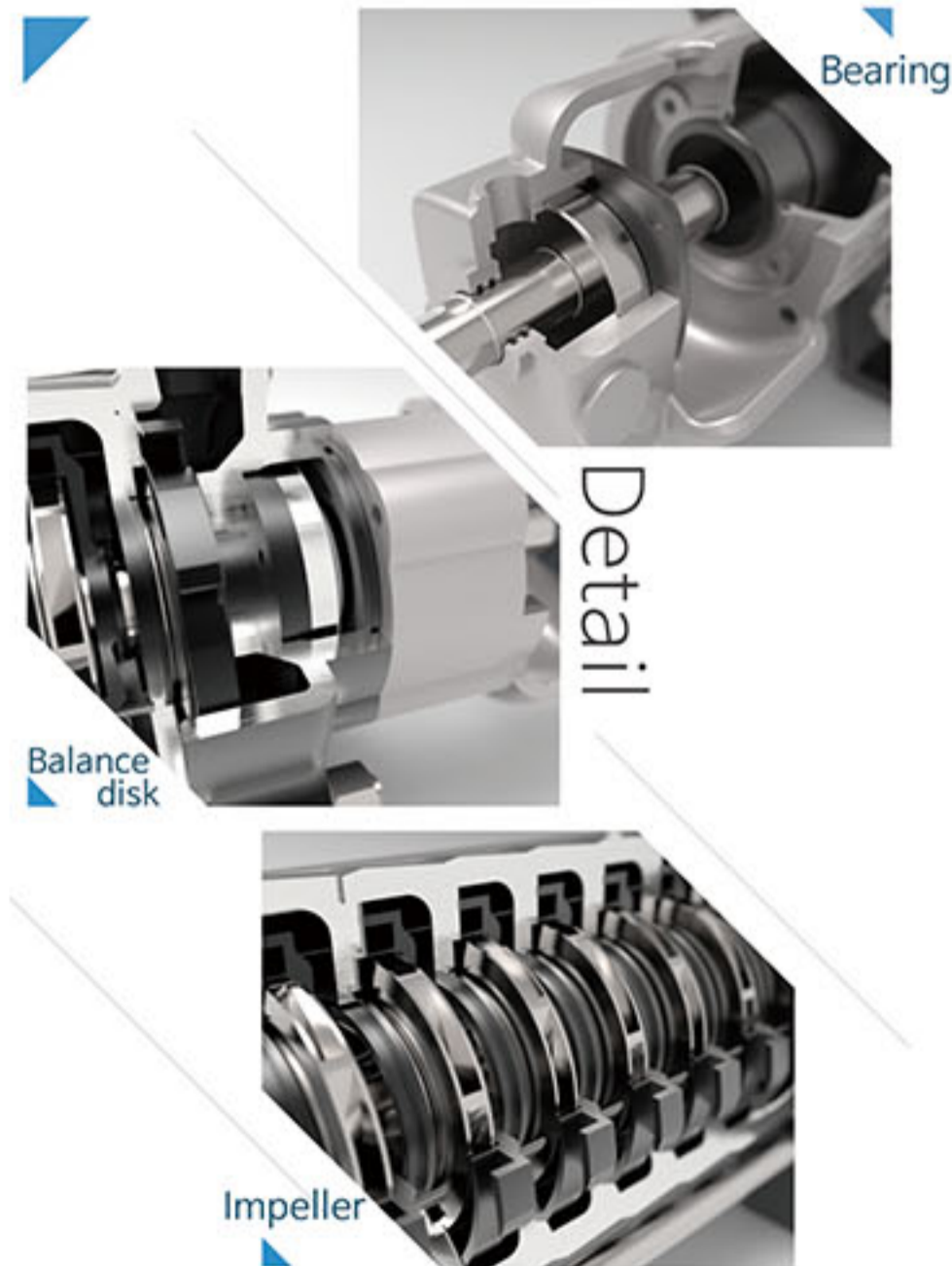
- Boiler feed
- Processing water
- General Industry
- City water and high pressure water

Feature

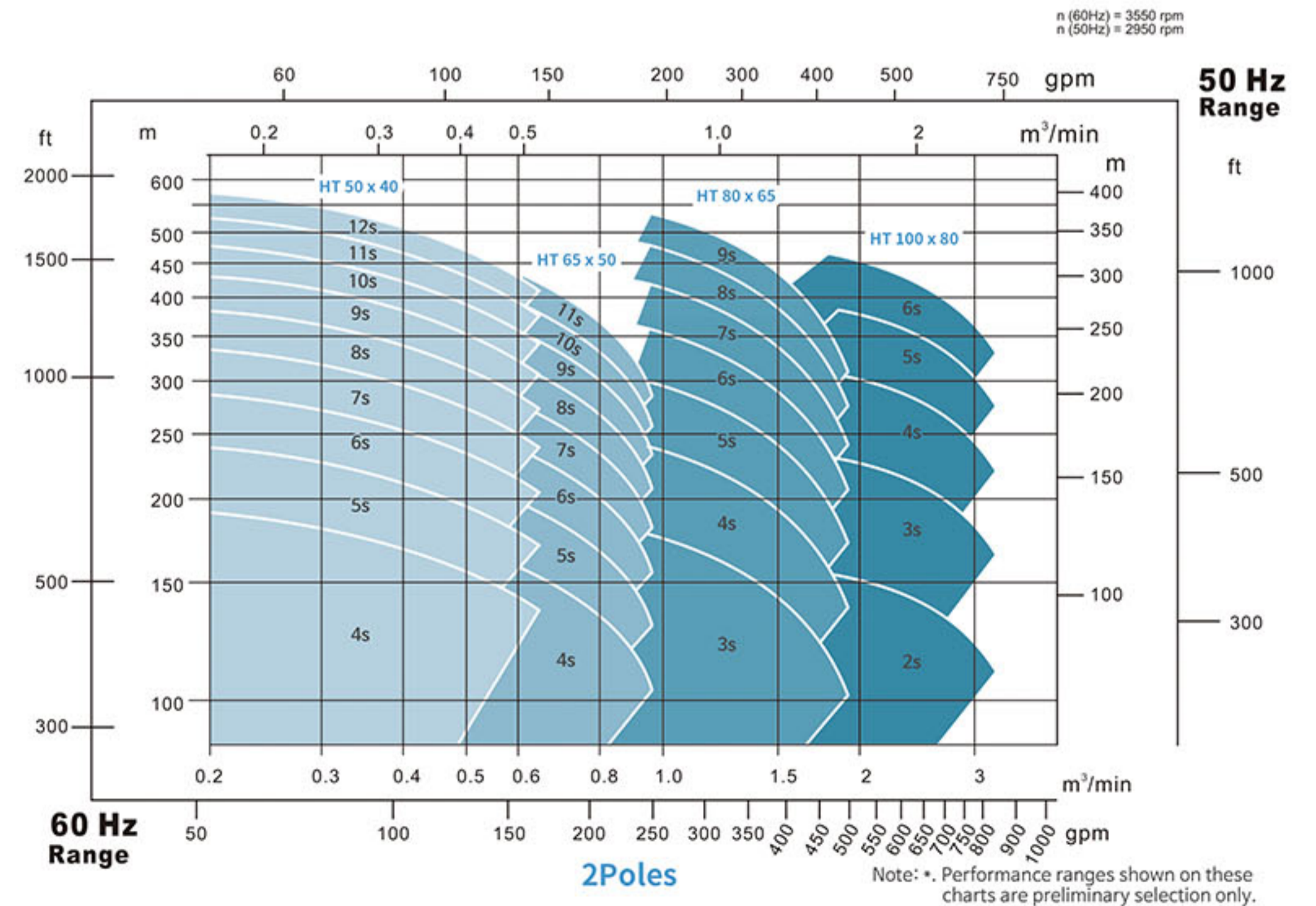
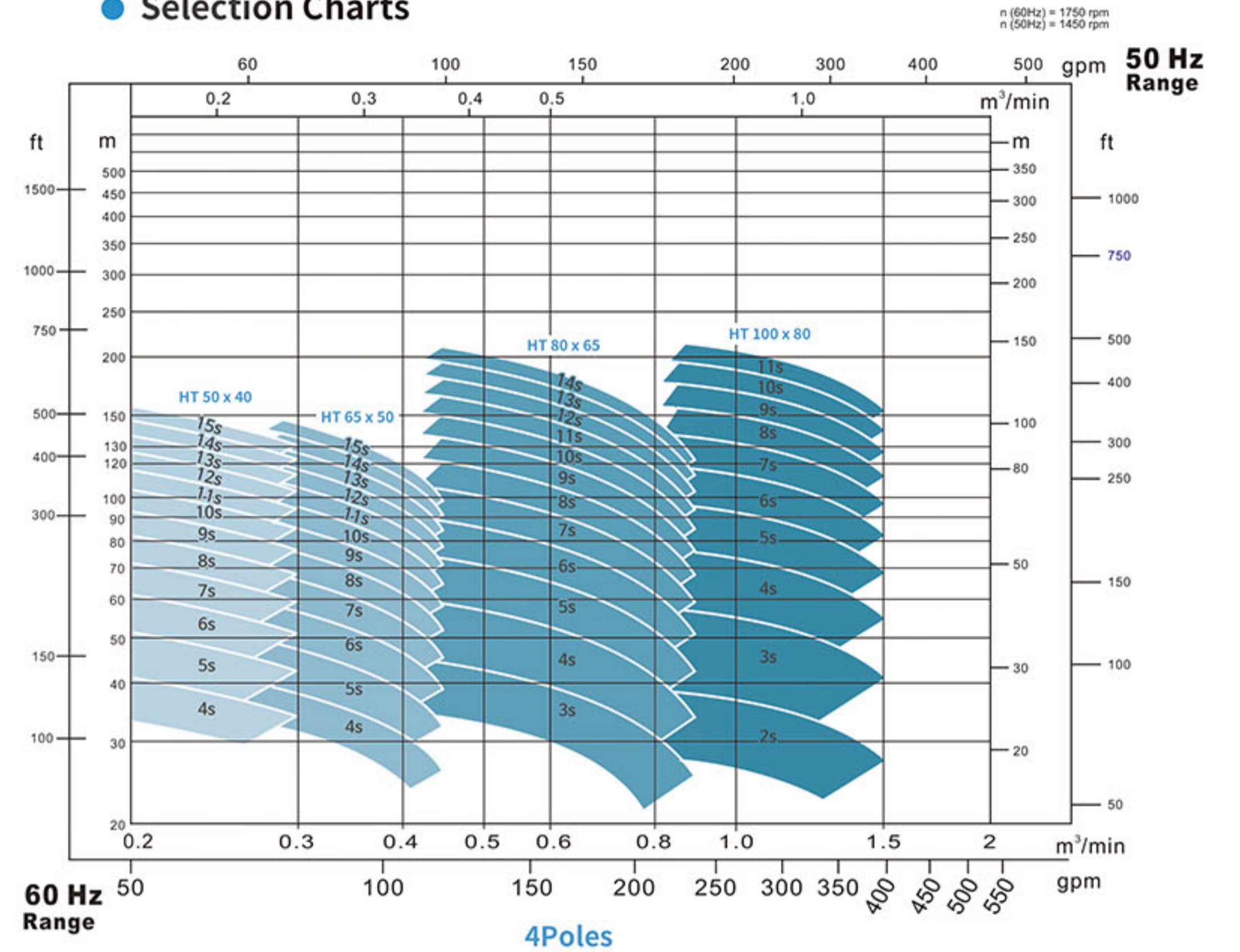
- ✓ High efficiency over a wide range
- ✓ Highly reliable components
- ✓ Simple construction permits easy maintenance
- ✓ Suitable for low NPSHr operation.
- ✓ Compact and inexpensive
- ✓ Sort-term delivery

Ratings

Capacity	Up to 2.5 m ³ /min (660 US GPM)
Head	Up to 500m (1,640ft)
Discharge Pressure	Up to 60 kgf/cm ² (853 PSIG)
Allowable Suction Pressure	Up to 25 kgf/cm ² (355 PSIG)
Revolution 60Hz (50Hz)	1750 or 3550 min ⁻¹ (1450 or 2950min ⁻¹)
Rotation	Clockwise viewed from inboard side
Temperature	~180°C (356°F)
Nozzle-Rating	Suction : KS 10 Kg/cm ² Discharge KS40 kgf/cm ²
Nozzle-Facing	Raised Face
Nozzle-Location	Side Suction : Top Discharge Top Suction : Top Discharge
Seals	Conventional Packing or Mechanical Seal

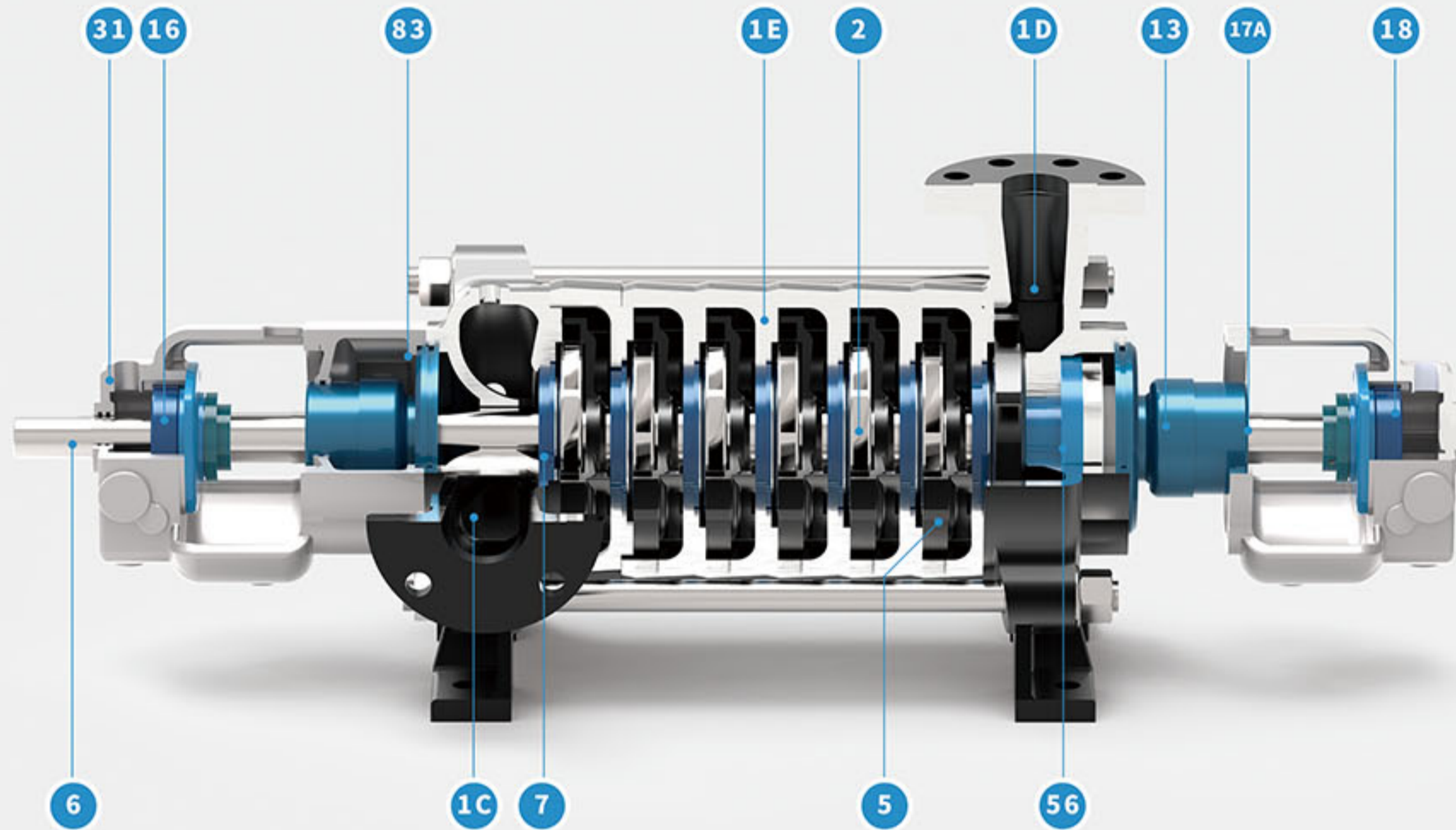


Selection Charts

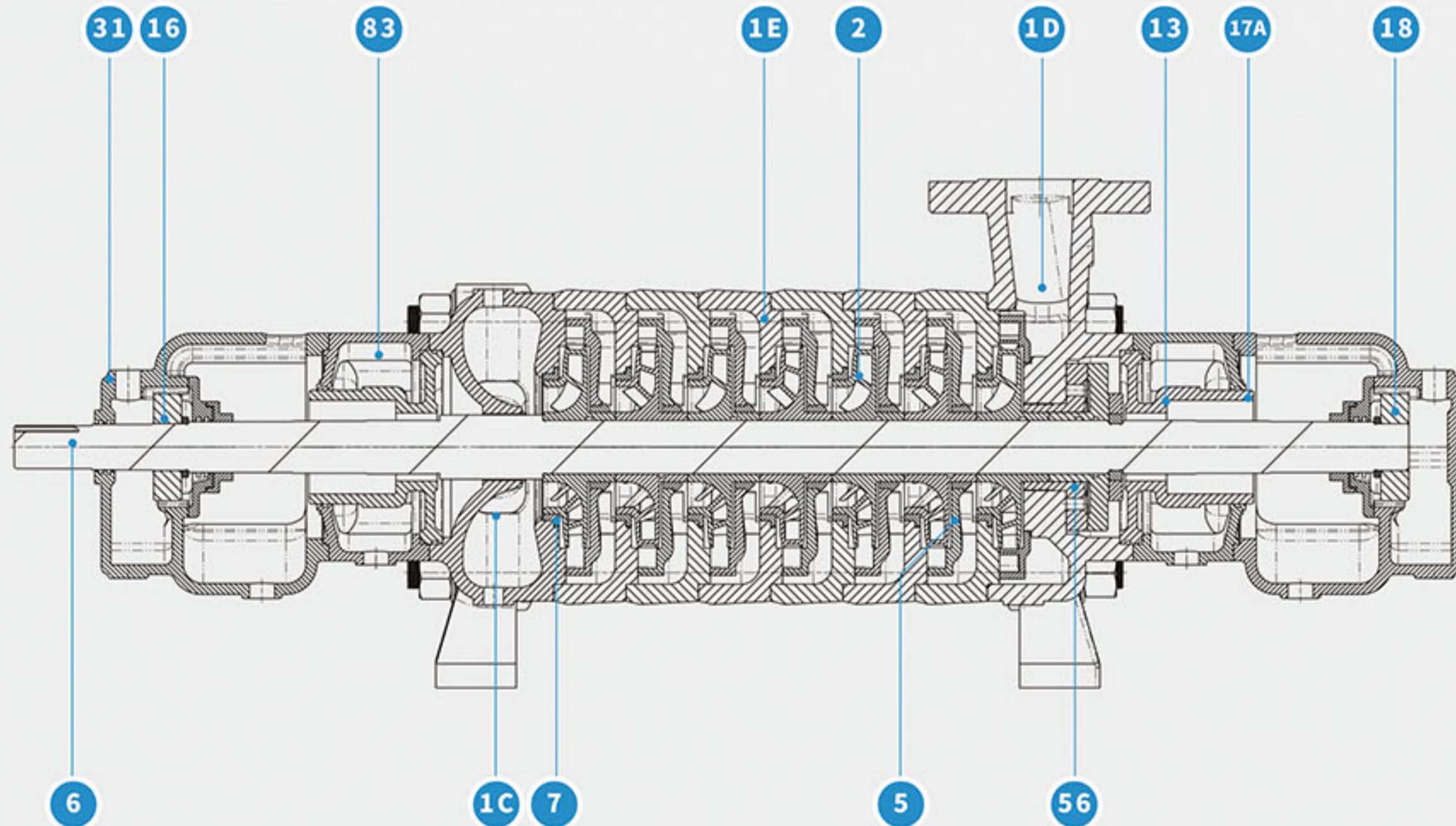


Model. HT

● Parts List and Materials



3D drawing



2D drawing

Model. HT

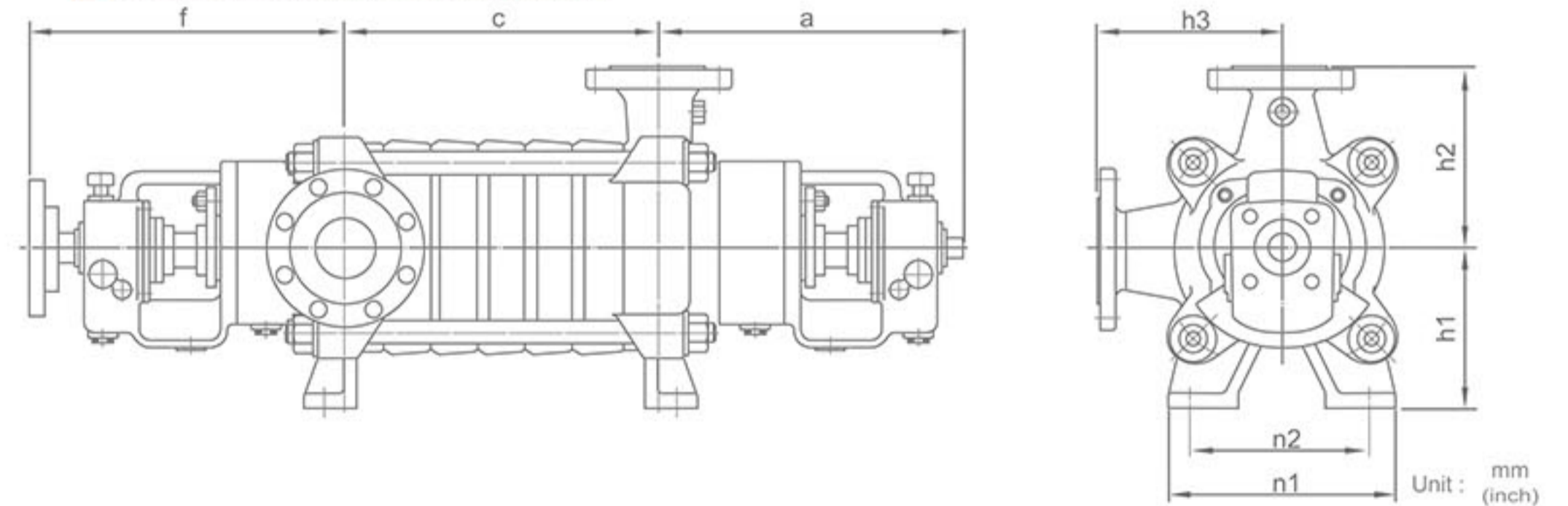
● Parts List

Name of Parts	Materials		
	KS	JIS	ASTM
1C Suction Casing	SCPH2	SCPH2	A216 WCB
1D Discharge Casing	SCPH2	SCPH2	A216 WCB
1E Stage Casing	SCPH2	SCPH2	A216 WCB
2 Impeller	SSC1	SCS1	A743 CA15
5 Diffuser	SSC1	SCS1	A743 CA15
6 Pump Shaft	SCM440	SCM440	A322 4140
7 Casing Ring	STS420J2	SUS420J2	A276 420
13 Packing or Seal	TEFLON	TEFLON	TEFLON
14 Shaft sleeve	STS420J2	SUS420J2	A276 420
16 Bearing	STEEL	STEEL	STEEL
17 Packing Gland	SSC13	SCS13	A743 CF8
17A Seal Gland	SSC13	SCS13	A743 CF8
18 Thrust Bearing	STEEL	STEEL	STEEL
31 Bearing Housing	GC200	FC200	A48 CL30
56 Balance Drum Bushing/ Balance Disk Seat	STS420J2	SUS420J2	A276 420
65 Mechanical Seal	-	-	-
71 Drip Pocket	GC200	FC200	A48 CL30
83 Stuffing Box	SCPH2	SCPH2	A216 WCB
115 Balance Drum/ Balance Disk	STS420J2	SUS420J2	A276 420

Optional Material Code

- API Material class code.
- Other materials are available on request. (DCI, 12% Cr., 304SS, 316SS, 316LSS, etc)

● Installation Dimension



Model	a	c	f	n1	n2	h1	h2	h3
50X40	338 (17.72)	20+(SX50) (0.79+(SX1.97))	350 (13.78)	265 (10.43)	200 (7.87)	180 (7.09)	180 (7.09)	180 (7.09)
65X50	343 (13.50)	28+(SX54) (1.10+(SX2.13))	360 (14.17)	265 (10.43)	200 (7.87)	180 (7.09)	200 (7.87)	200 (7.87)
80X65	386 (15.20)	35+(SX70) (1.38+(SX2.76))	428 (16.85)	300 (11.81)	236 (9.29)	210 (8.27)	224 (8.82)	224 (8.82)
100X80	403 (15.87)	50+(SX76) (1.97+(SX2.99))	453 (17.83)	400 (15.75)	320 (12.60)	250 (9.84)	280 (11.02)	280 (11.02)

No cooling jacket type (HP model) is available. Subject to modification without notice to incorporate technical improvements.

* S : Stage Number