

High Pressure Multi Stage Turbine Pumps

MTS



Applications

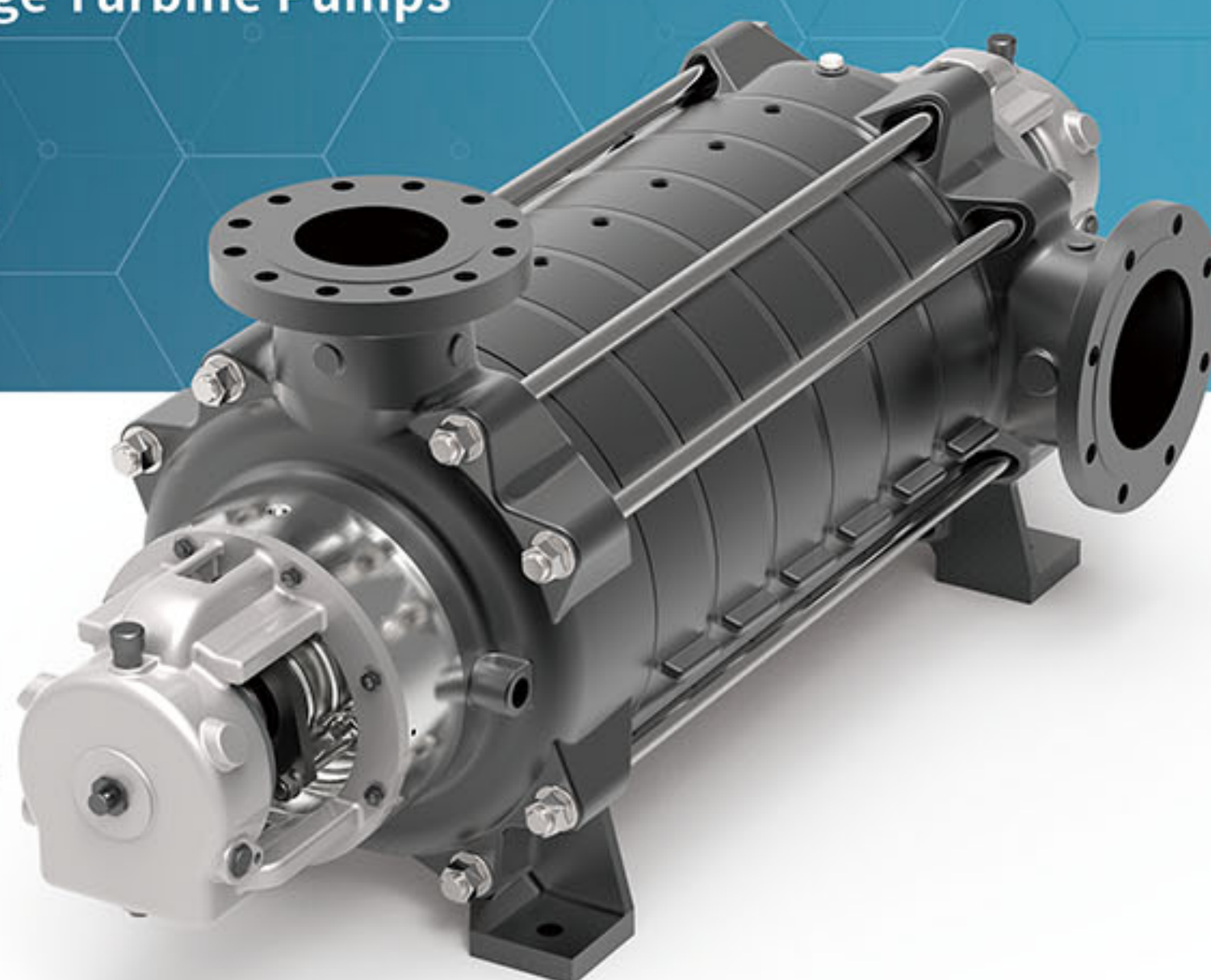
- Boiler feed
- Processing water
- General Industry
- City water and high pressure water

Feature

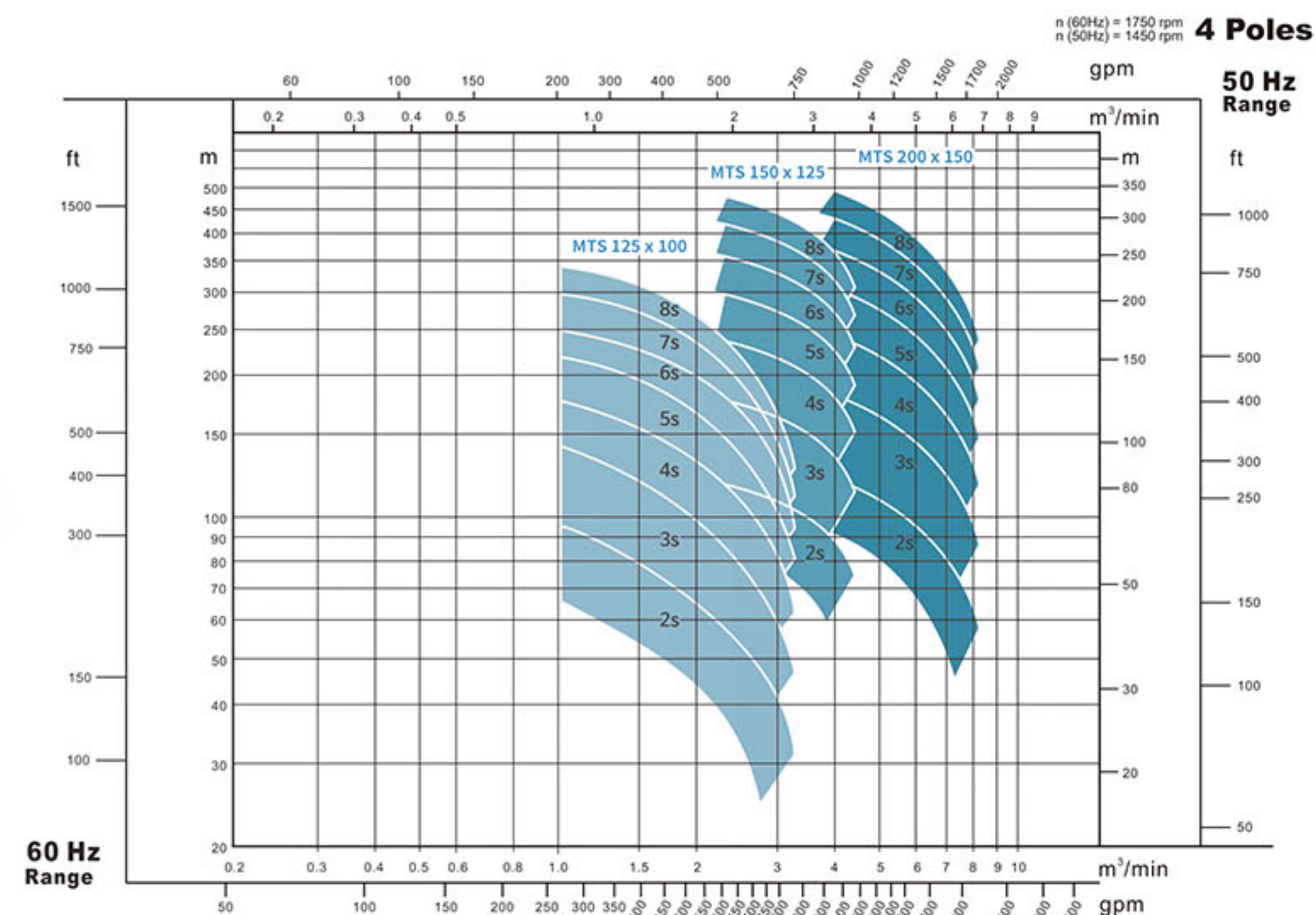
- ✓ High efficiency over a wide range
- ✓ Highly reliable components
- ✓ Simple construction permits easy maintenance
- ✓ Suitable for low NPSHr operation.
- ✓ Compact and inexpensive
- ✓ Short-term delivery

Ratings

Capacity	Up to 10m ³ /min (2,642 US GPM)
Head	Up to 500m (1,640ft)
Discharge Pressure	Up to 60 kgf/cm ² (853 PSIG)
Allowable Suction Pressure	Up to 20 kgf/cm ² (284 PSIG)
Revolution 60Hz (50Hz)	1750 min ⁻¹ (1180 min ⁻¹)
Rotation	Clockwise viewed from coupling end
Temperature	~120°C (~248°F)
Nozzle-Rating	ANSI 1500 Class other standards also available
Nozzle-Facing	Raised Face
Nozzle-Location	Top Suction : Top Discharge
Seals	Conventional Packing or Mechanical Seal

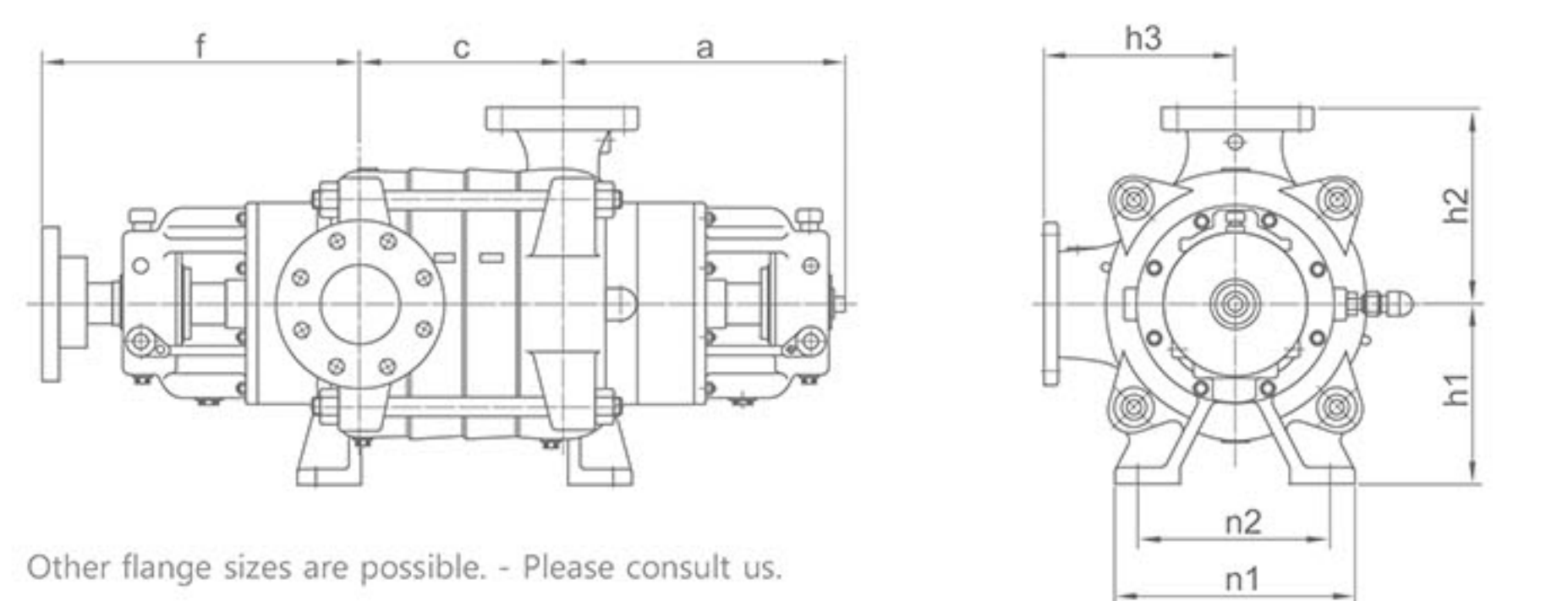


Selection Charts



Note: *. Performance ranges shown on these charts are preliminary selection only.

Installation Dimension



Other flange sizes are possible. - Please consult us.

Unit : mm (inch)

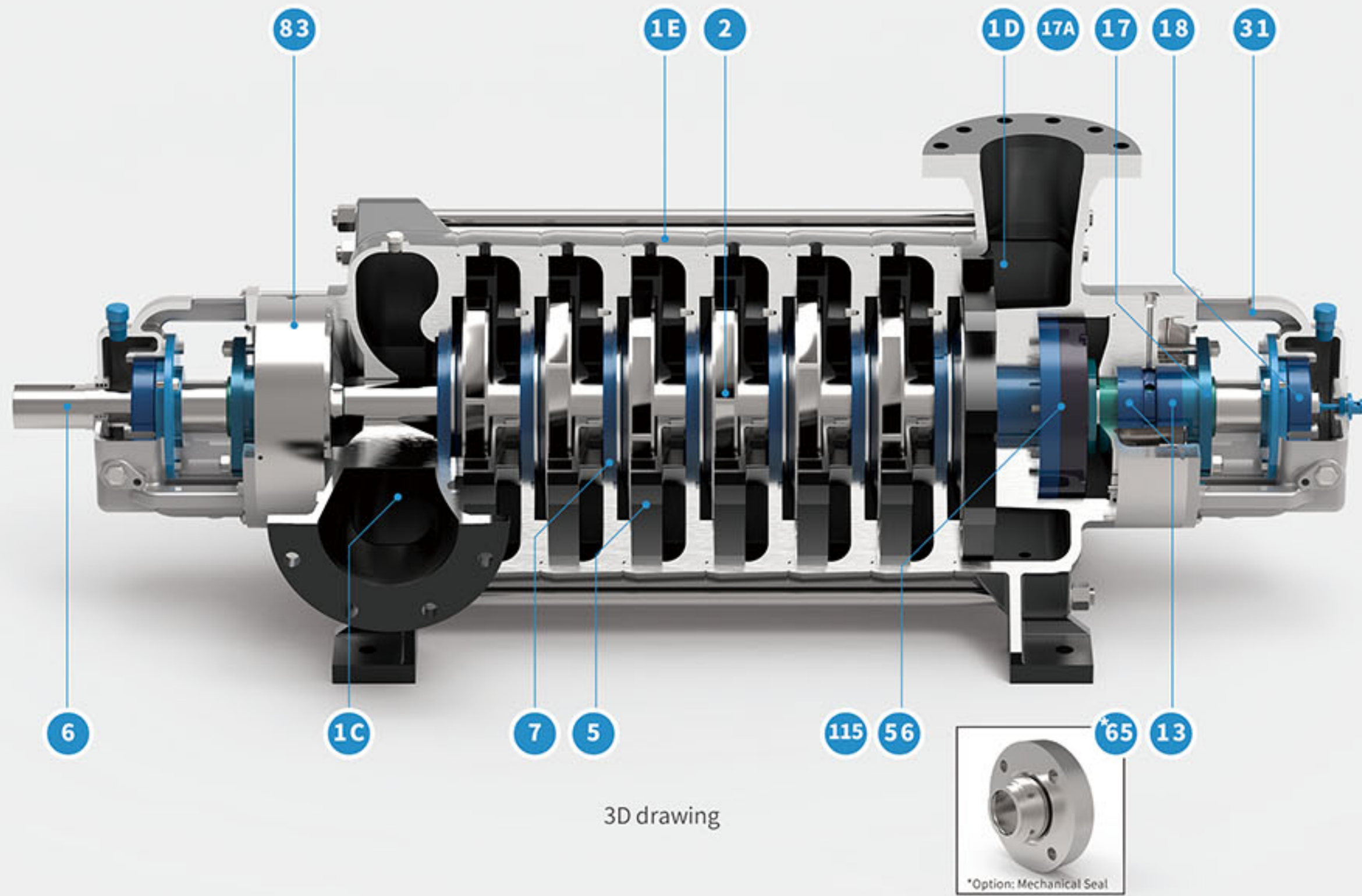
Model	a	c	f	n1	n2	h1	h2	h3
120x100	450 (17.72)	45+(SX90) (1.77+(SX3.54))	505 (19.88)	375 (14.76)	300 (11.81)	280 (11.02)	300 (11.81)	300 (11.81)
150x125	442 (17.40)	55+(SX105) (2.17+(SX4.13))	525 (20.67)	540 (21.26)	450 (17.72)	300 (11.81)	355 (13.98)	355 (13.98)
200x150	490 (19.29)	80+(SX120) (3.15+(SX4.72))	560 (22.05)	550 (21.65)	450 (17.72)	315 (12.41)	400 (15.75)	400 (15.75)

Other flange sizes (65x50 / 100x80 / 100x100 / etc.) are available.
Other options are available upon request.

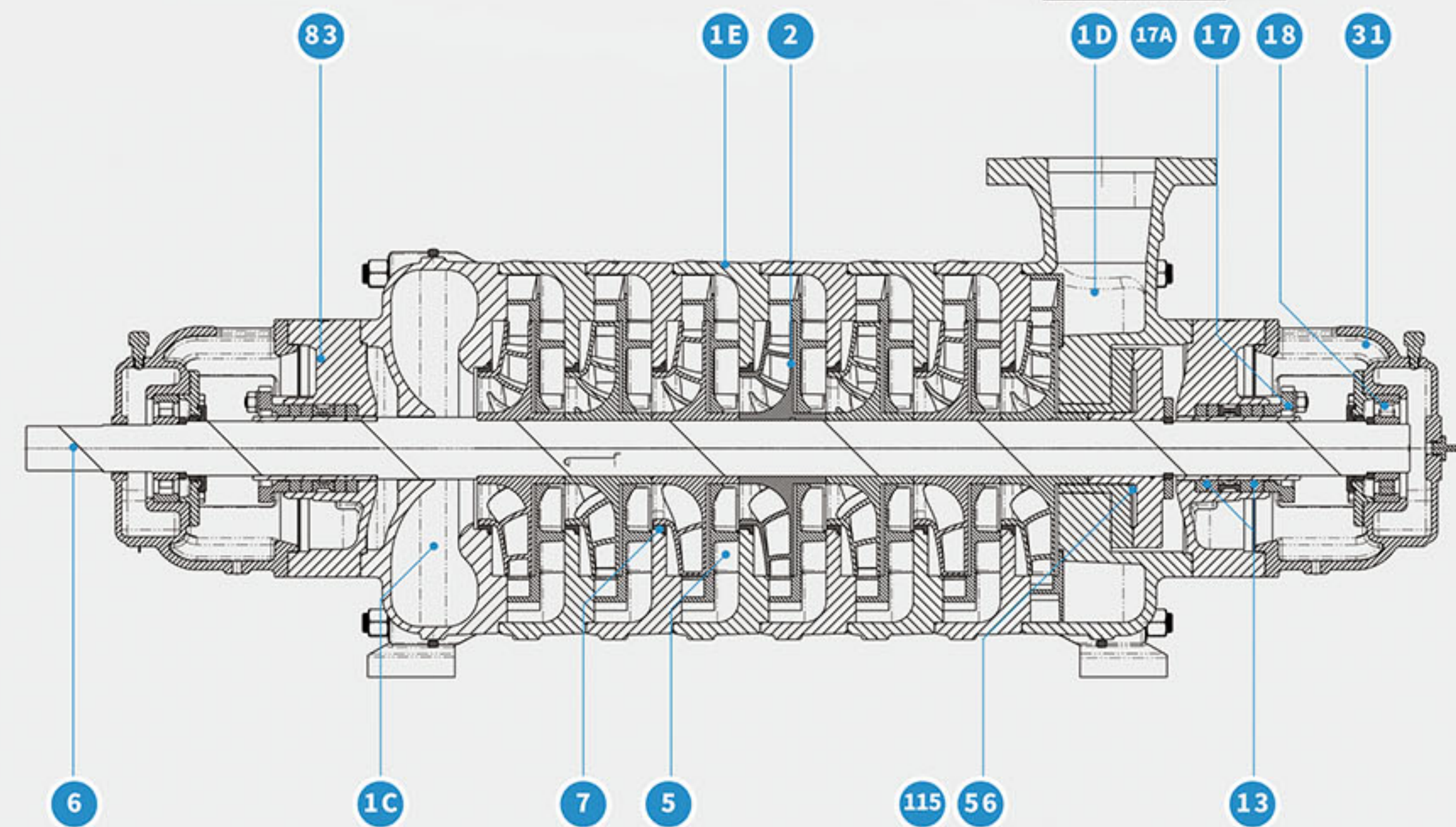
* S : Stage Number.

Model. MTS

● Parts List and Materials



3D drawing



2D drawing

Model. MTS

● 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	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)

● Construction

