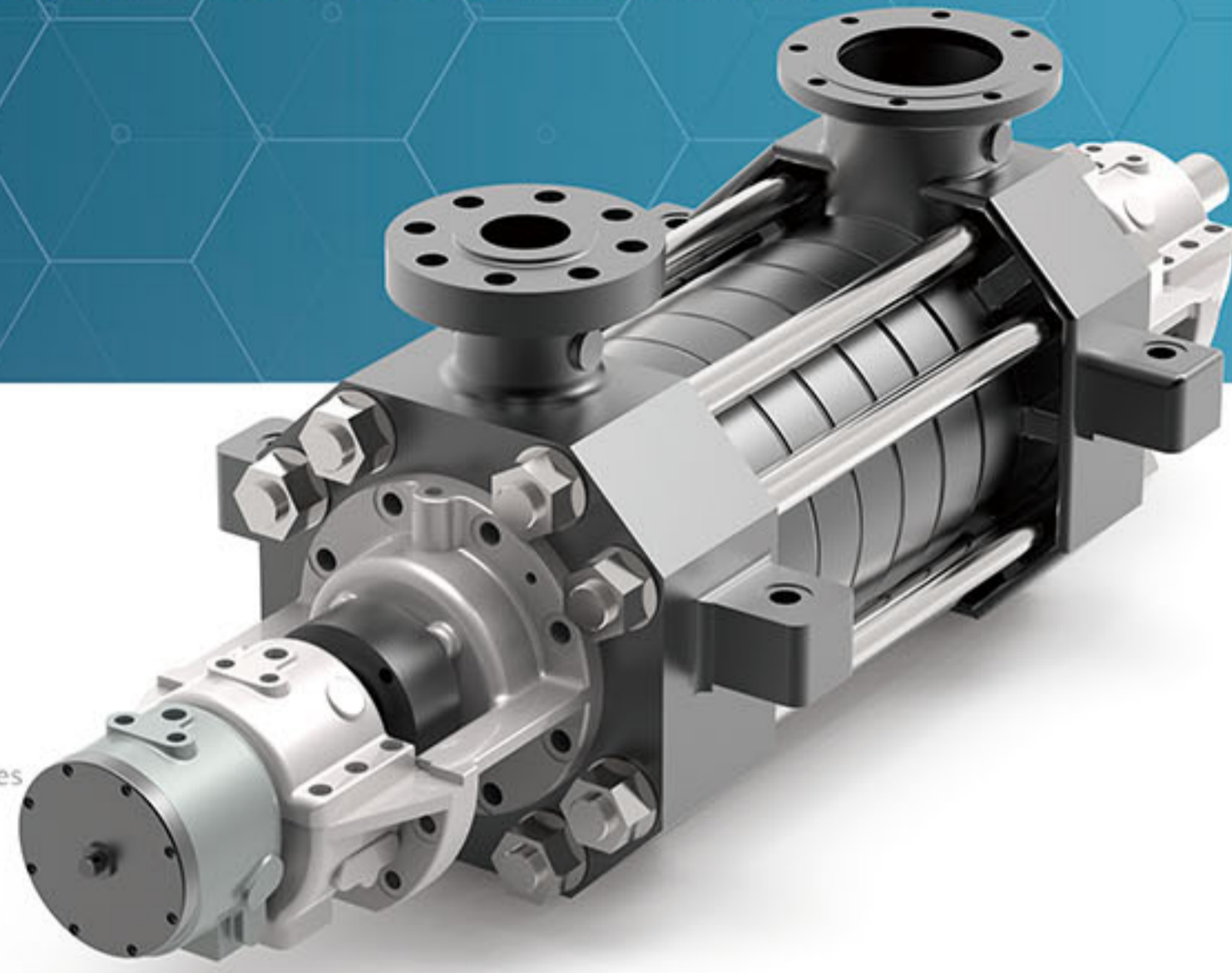


Super High Temperature & Pressure Boiler Feed Pumps



ST



● Applications

- 보일러 급수용 Boiler feed
- 광산용 Mine drainage
- 화학용 Chemical process
- 고압용 Other high pressure services

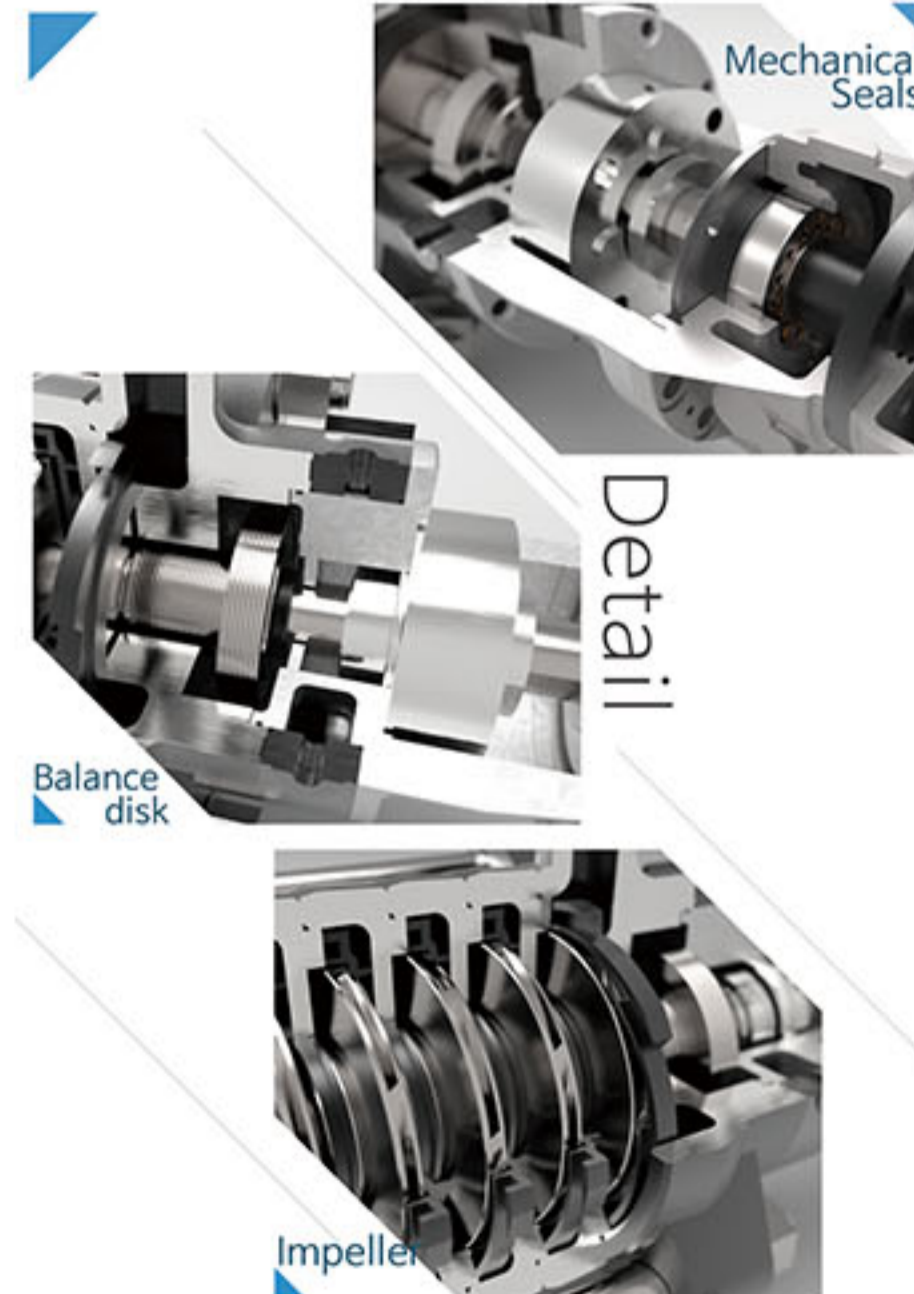
● Feature

- ☑ 중심지지의 컴팩트한 디자인
Centerline supported and compact design
- ☑ 고효율, 높은 신뢰성
High efficiency, high reliability
- ☑ 폭넓은 사용범위
Flexibility of design handles wide range of liquids
- ☑ 최대의 호환성
All components have been designed for High interchangeability
- ☑ 낮은 필요흡입양정
Low NPSHr. Performance
- ☑ API standard 610 적용 (API Code : BB4)
API standard 610 (API Code : BB4)

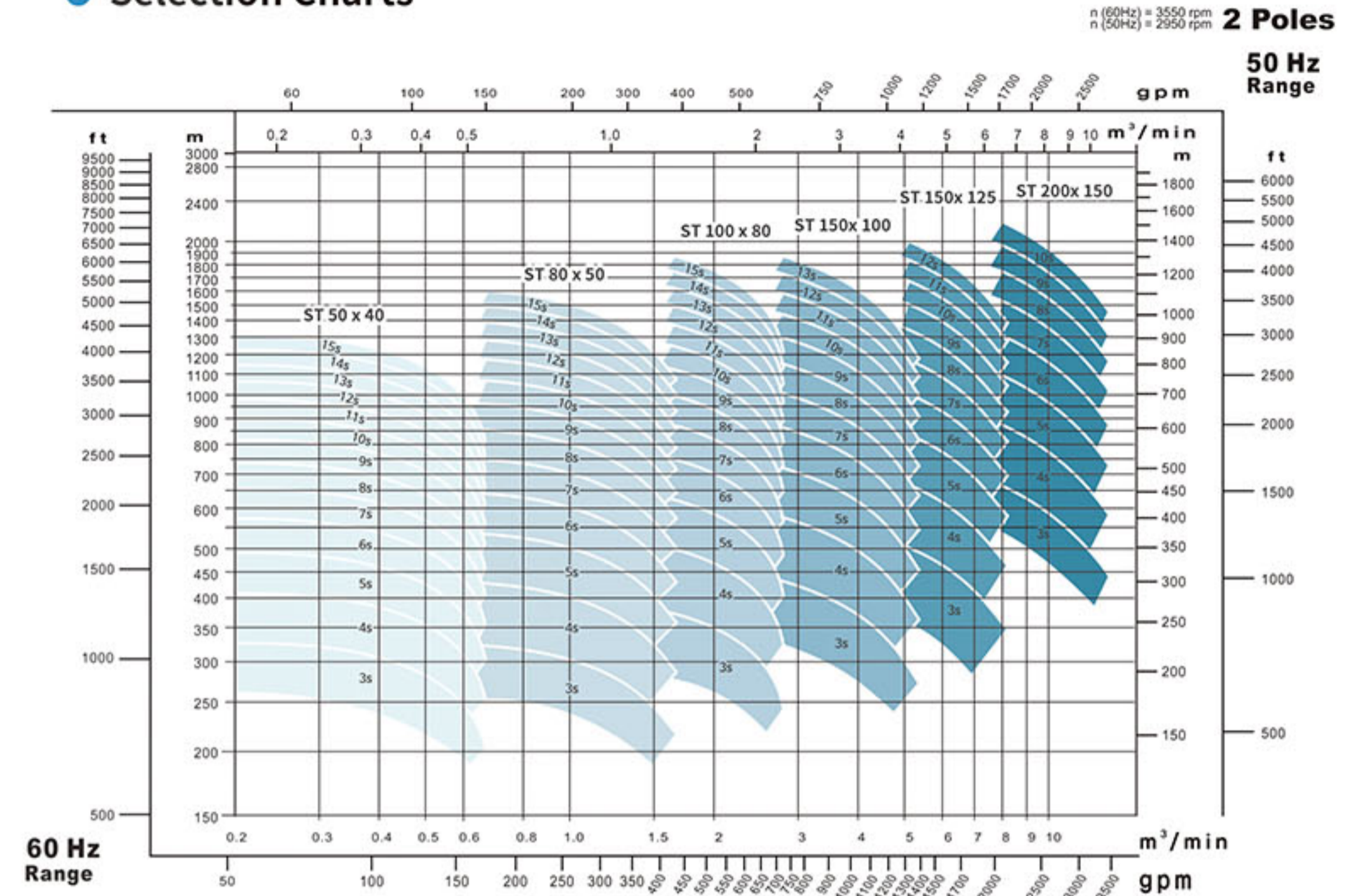
● Ratings

Capacity	Up to 20 m ³ /min (5,283 US GPM)
Head	Up to 3,000m (9,842ft)
Discharge Pressure	Up to 200 kgf/cm ² (2844 PSIG)
Allowable Suction Pressure	Up to 300 kgf/cm ² (4267 PSIG)
Revolution 60Hz (50Hz)	3550 min ⁻¹ (2950min ⁻¹)
Rotation	Clockwise viewed from inboard side
Temperature	250°C (482°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

*API 610 최신 버전은 요청에 따라 적용할 수 있습니다.

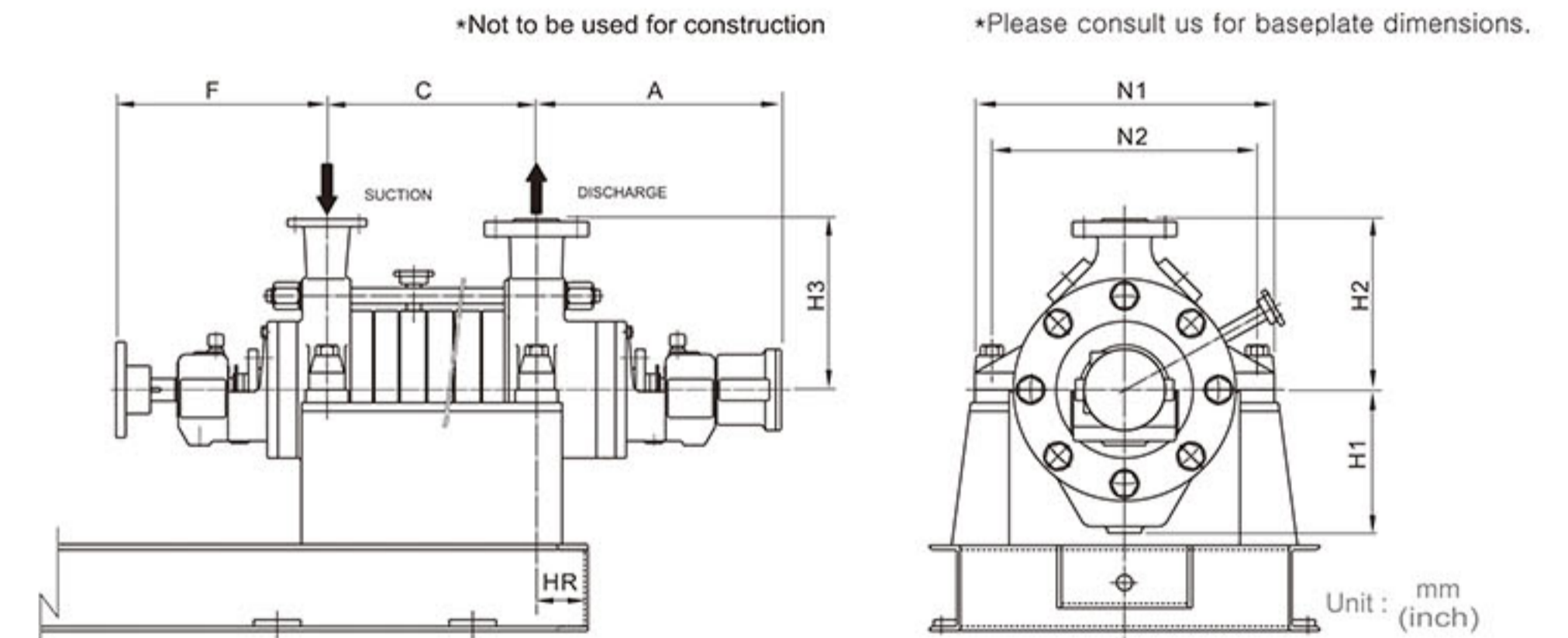


● Selection Charts



참고: * 이 차트에 표시된 성능 범위는 실제 성능과 차이날 수 있습니다.

● Installation Dimension



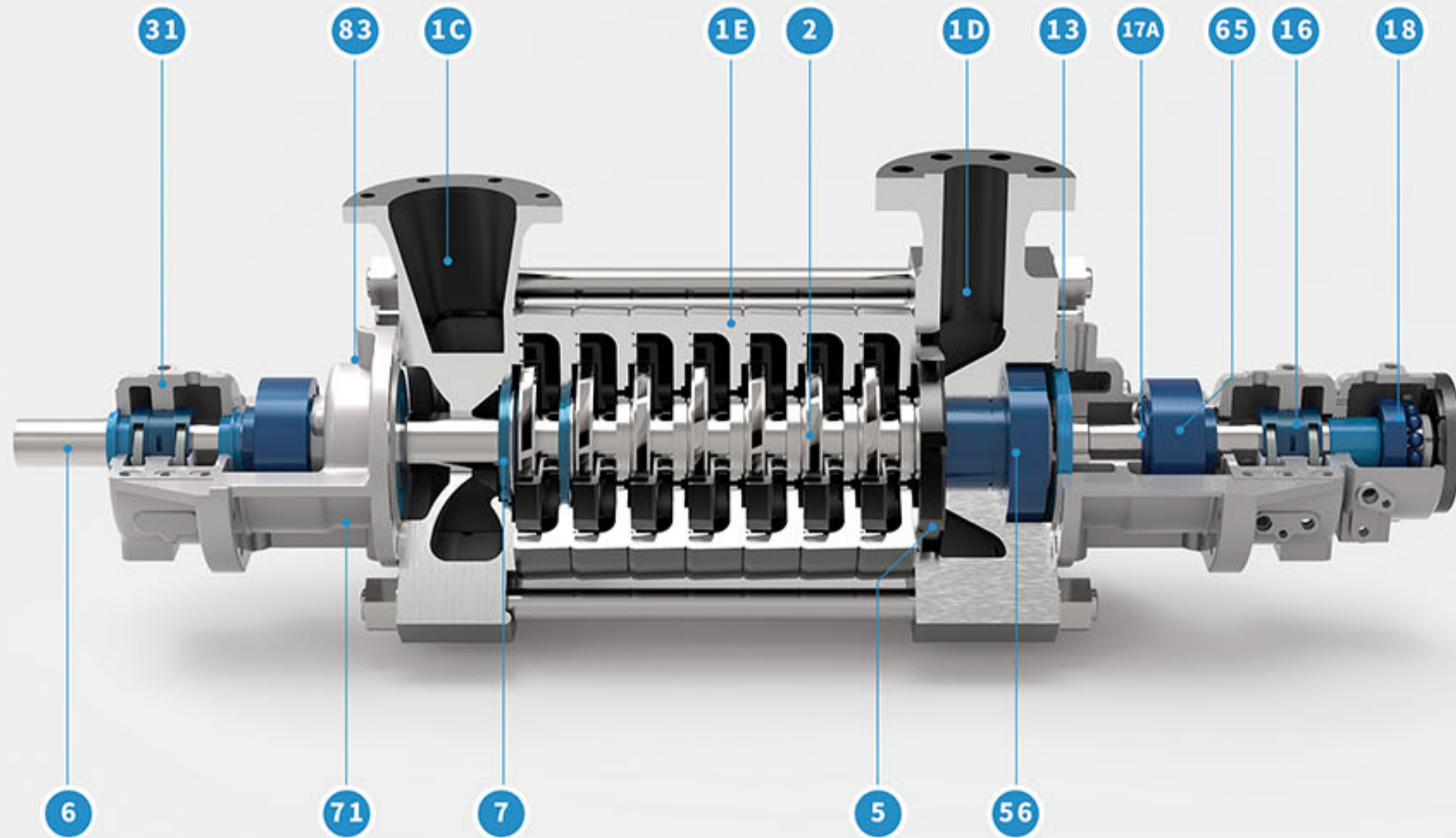
Model	A	C	F	N1	N2	H1	H2	H3
50x40	522 (20.55)	35+(SX50) (1.38+(SX1.97))	430 (16.93)	380 (14.96)	300 (11.81)	200 (7.87)	250 (9.84)	224 (8.82)
80x50	595 (23.43)	89+(SX68) (3.50+(SX2.68))	460 (18.11)	405 (15.94)	360 (14.17)	165 (6.50)	270 (10.63)	270 (10.63)
100x80	660 (25.98)	65+(SX72) (2.56+(SX2.83))	510 (20.08)	680 (26.77)	600 (23.62)	267 (10.51)	410 (16.14)	360 (14.17)
150x100	810 (31.89)	95+(SX90) (3.74+(SX3.54))	730 (28.74)	820 (32.28)	700 (27.56)	310 (12.20)	450 (17.72)	400 (15.75)
150x125	820 (32.28)	110+(SX105) (4.33+(SX4.13))	740 (29.13)	1010 (39.76)	850 (33.46)	365 (14.37)	520 (20.47)	455 (17.91)
200x150	960 (37.80)	120+(SX115) (4.72+(SX4.53))	950 (37.40)	1200 (47.24)	1000 (39.37)	425 (16.73)	580 (22.83)	520 (20.47)

ST 125x100 is available. Other flange sizes are available upon request.

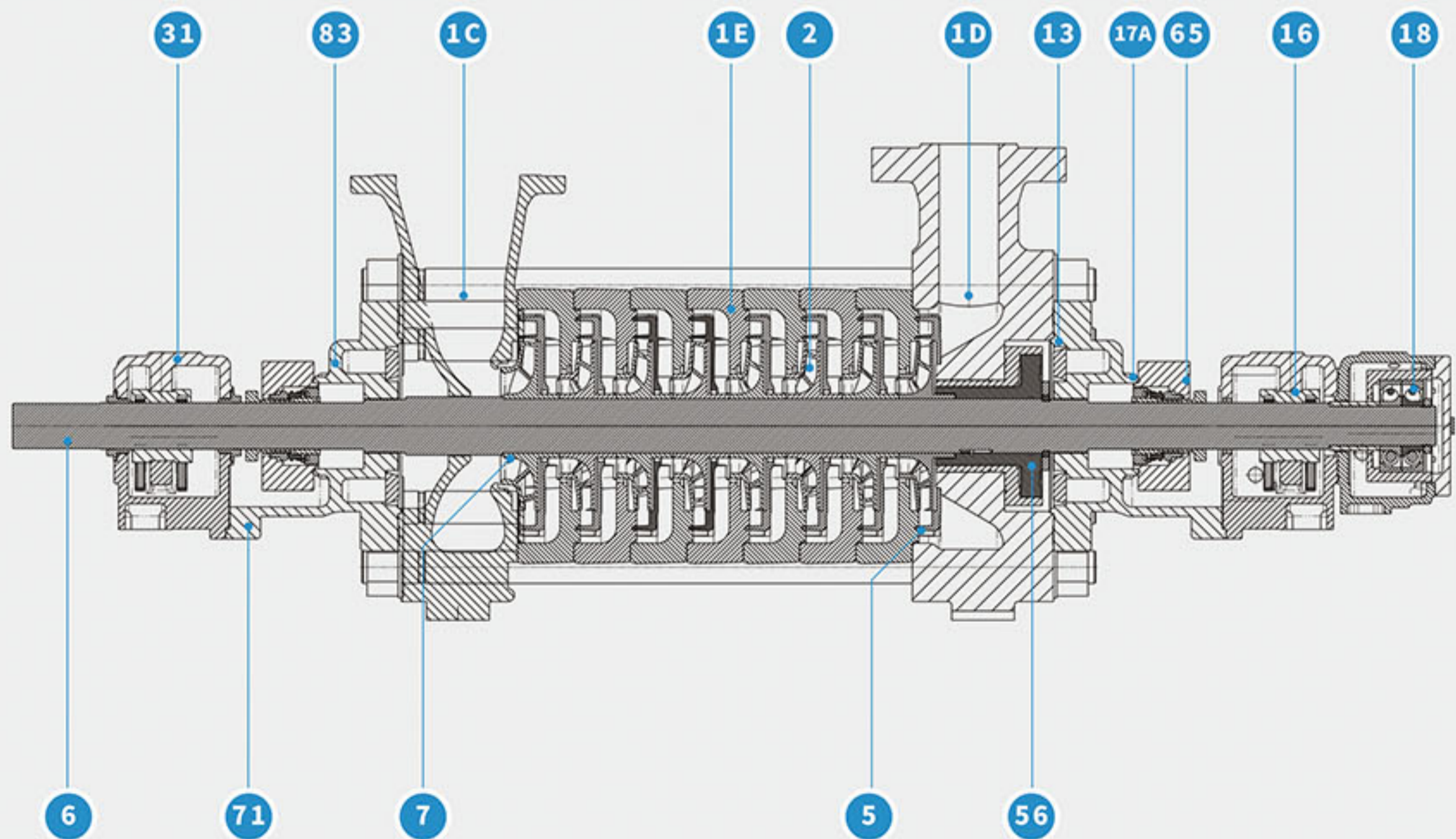
* S : Stage Number.

Model. ST

● Parts List and Materials



3D drawing



2D drawing

Model. ST

● 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	STS410	SUS410	A276 410
7 Casing Ring	STS420J2	SUS420J2	A276 420
13 Packing or Seal	TEFLON	TEFLON	TEFLON
14 Shaft sleeve	STS420J2	SUS420J2	A276 420
16 Bearing	BABBIT	BABBIT	BABBIT
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.
- 기타 자료는 요청시 제공됩니다. (DCI, 12% Cr., 304SS, 316SS, 316LSS, etc)

● Construction

