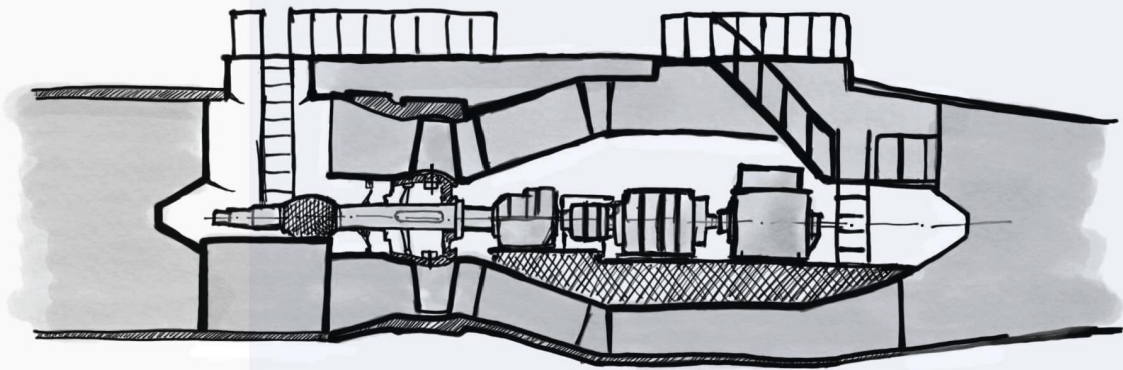


TUBULAR PUMP

PO1911A

MODEL : HST - HZT SERIES



TUBULAR PUMP

Model : HST - HZT series

• FEATURES •

- The civil structure shall be simply resulting in low civil cost, since the total pumping unit including discharge and suction pipe is short and foot area is small.
- Pump starting process is quite simple, as pump unit are completely under water.
- Ease of checking on pump rotating element on account of horizontally split pump casing.
- Driving unit such as motor and gear are completely installed in compartment so that no water will be penetrated into driving unit room even if pump unit is immersed in water.

• APPLICATION •

- Water drainage
- Irrigation
- Booster unit for water supply system
- Sewage drainage

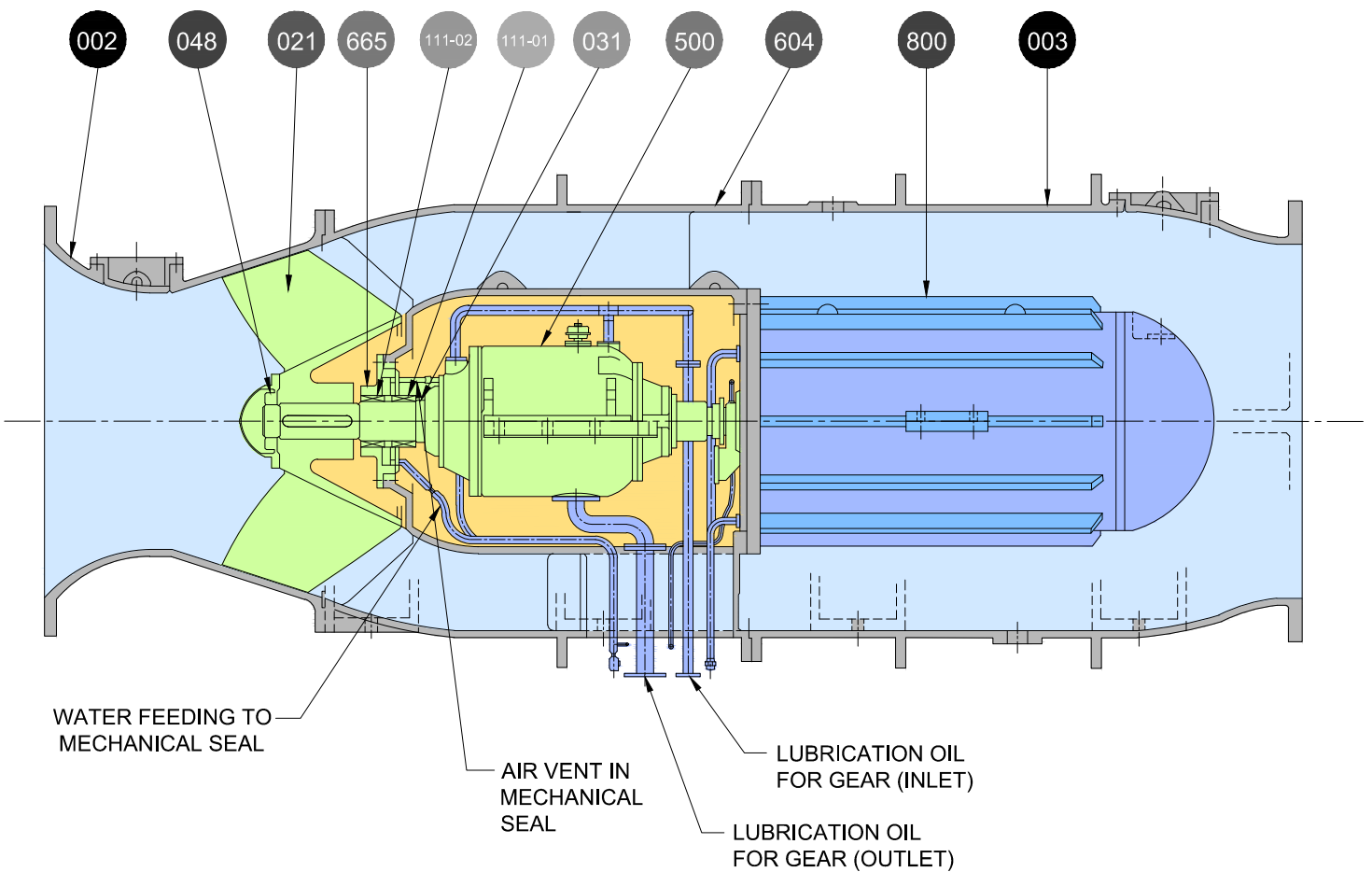
• GENERAL APPLICABLE INFORMATION •

- Capacity 22 m³/min. ~ 1,600 m³/min.
- Total pump head 1.5 ~ 9 m.
- Higher capacity and total head is available up on request.

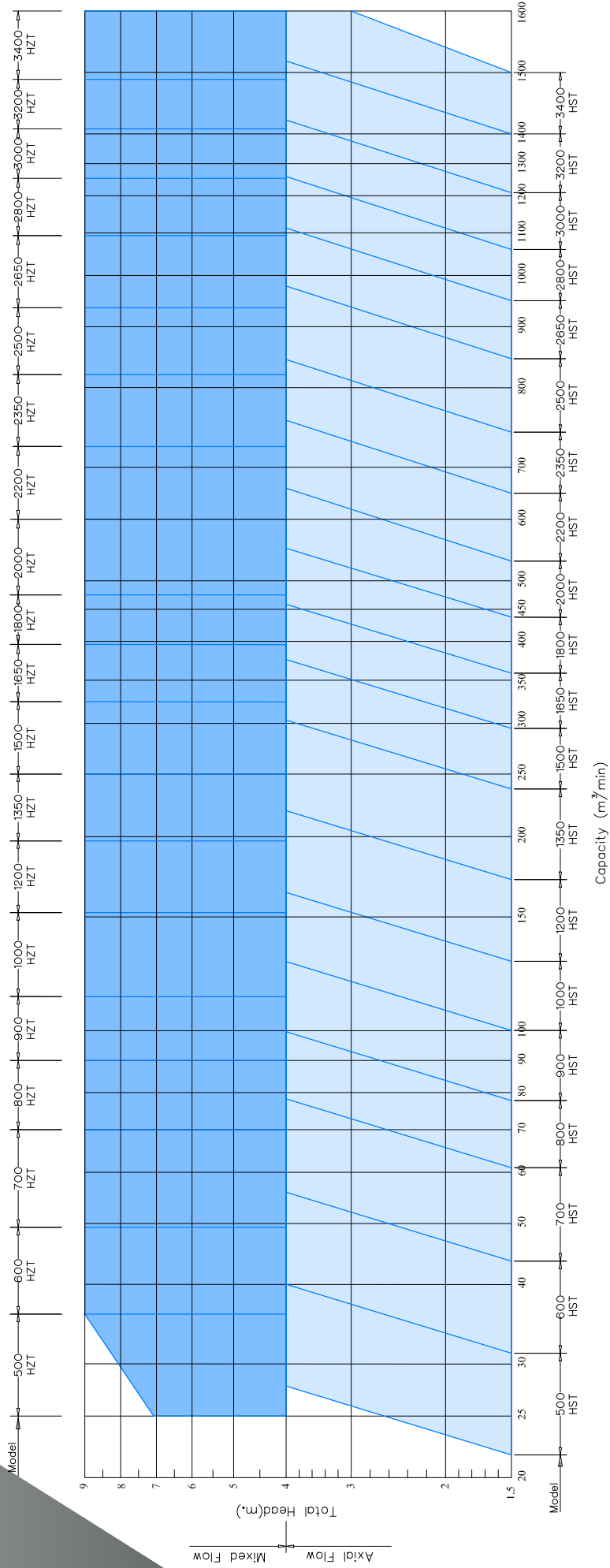
• STANDARD MATERIAL (JIS) •

Part no.	Part name	Material	Part no.	Part name	Material
002	Suction casing	FC250	111-02	Mechanical seal	-
003	Discharge casing	FC250	500	Reduction gear	-
021	Impeller	SCS13	604	Discharge bowl	FC250
031	Shaft	S45C	665	Case for mechanical seal	FC200
048	Impeller nut	S35C	800	Motor	-
111-01	Mechanical seal	-			

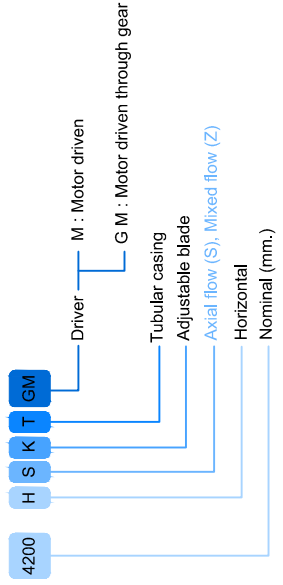
Note : Other materials / standard are available up on request.



SELECTION CHART



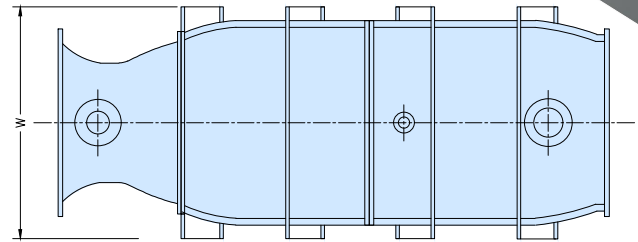
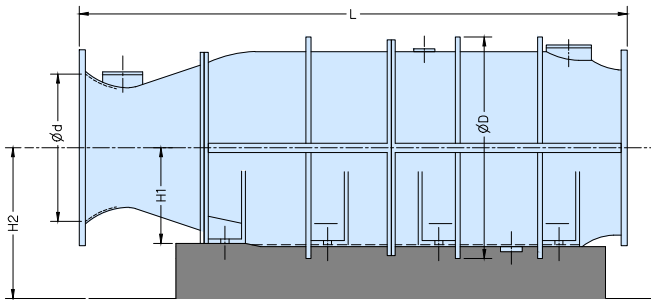
PUMP MODEL



- Note : ■ Over 3400 mm, bore planning and/or design can be conducted complying with customer requirements.
- Selection chart just for guidance only. Contact our factory for suitable model and application.
- Pump size may differ depending on the service conditions.

• OUTLINE DIMENSION •

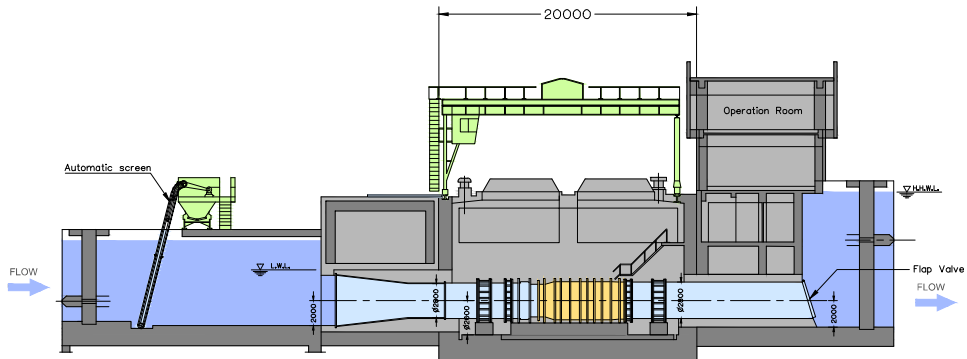
(only for reference)



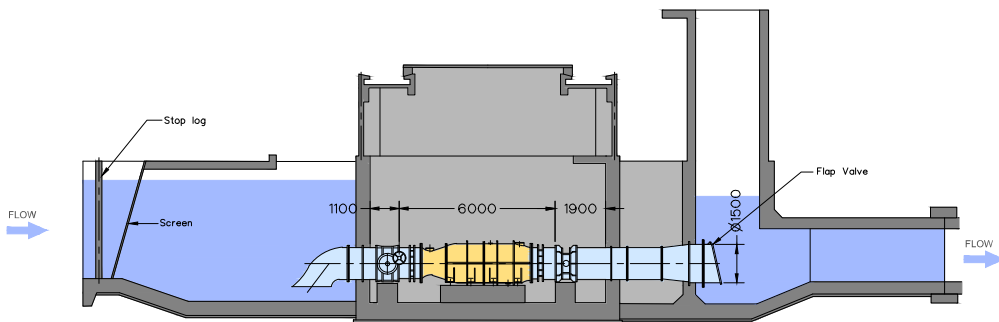
d (Bore)	Mixed Flow Type (HZT)					Axial Flow Type (HST)				
	L	D	W	H1	H2	L	D	W	H1	H2
500	2800	1220	1200	600	1100	2400	1140	1100	550	1100
600	3000	1380	1400	650	1150	2600	1280	1200	600	1150
700	3200	1320	1300	650	1200	2700	1320	1300	650	1200
800	3600	1500	1500	750	1300	2900	1380	1400	650	1300
900	4000	1640	1600	800	1350	3100	1590	1600	750	1350
1000	4200	1760	1700	800	1450	3400	1590	1600	750	1450
1200	4200	1760	1700	800	1550	3600	1640	1600	800	1550
1350	4700	1870	1800	800	1600	4000	1760	1700	800	1600
1500	5200	2200	2100	950	1700	4200	2000	1900	850	1700
1650	7000	2600	2400	1050	1800	6500	2600	2400	1050	1800
1800	7500	2760	2600	1100	1900	7500	2760	2600	1100	1900
2000	8000	2760	2600	1100	2000	7500	2760	2600	1100	2000
2200	8800	3030	2860	1210	2200	8250	3040	2860	1210	2200
2350	9400	3230	3040	1290	2350	8800	3230	3040	1290	2350
2500	9900	3400	3200	1360	2500	9300	3400	3200	1360	2500
2650	10800	3730	3500	1490	2700	10100	3730	3500	1490	2700
2800	11600	4000	3760	1590	2900	10800	4000	3760	1590	2900
3000	12200	4200	4000	1680	3050	11500	4200	4000	1680	3050
3200	13200	4590	4340	1830	3200	12350	4580	4340	1830	3200
3400	14400	4930	4660	1950	3400	13150	4930	4660	1950	3500

LAYOUT DRAWING

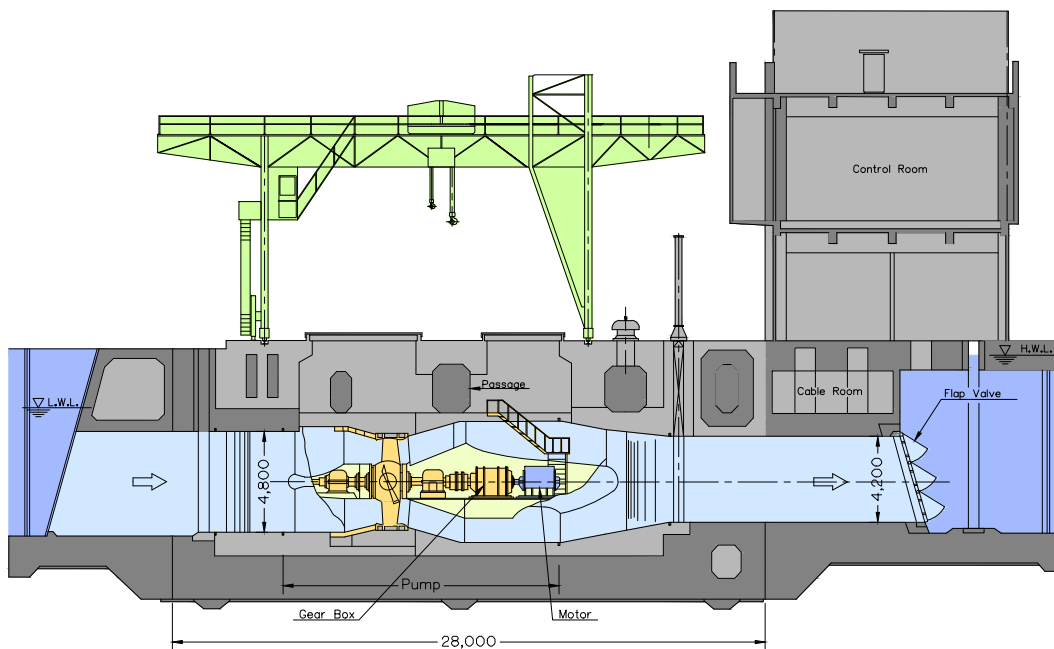
(only for reference)



2800 HSTGM Axial Tubular pump
 $17.5 \text{ m}^3/\text{s} \times 4 \text{ m.} \times 136 \text{ min}^{-1} \times 910 \text{ kW.}$



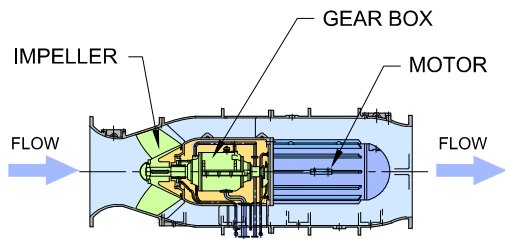
1100 HZTGM Mixed Flow Tubular pump
 $2.5 \text{ m}^3/\text{s} \times 5.8 \text{ m.} \times 305 \text{ min}^{-1} \times 210 \text{ kW.}$



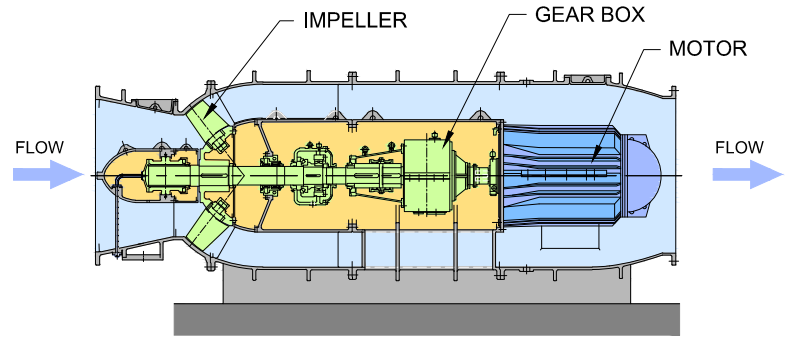
4200 mm. Tubular Type Adjustable Blade Axial Flow Pump
 $40 \text{ m}^3/\text{s} \times 2.6 \text{ m.} \times 68 \text{ min}^{-1} \times 1300 \text{ kW.}$

• TYPICAL ARRANGEMENT •

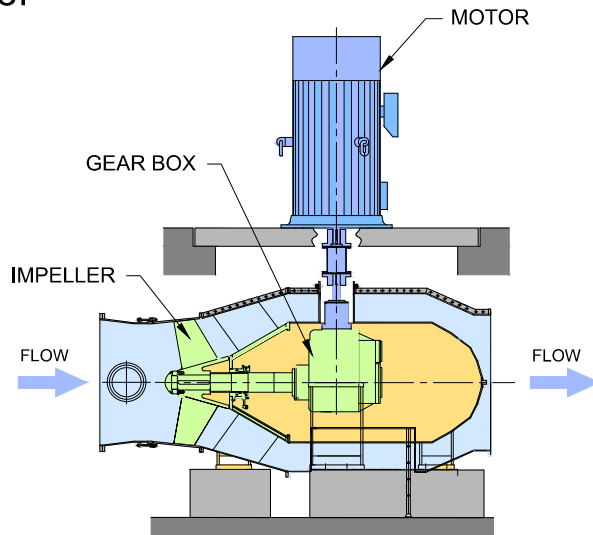
■ Compact size



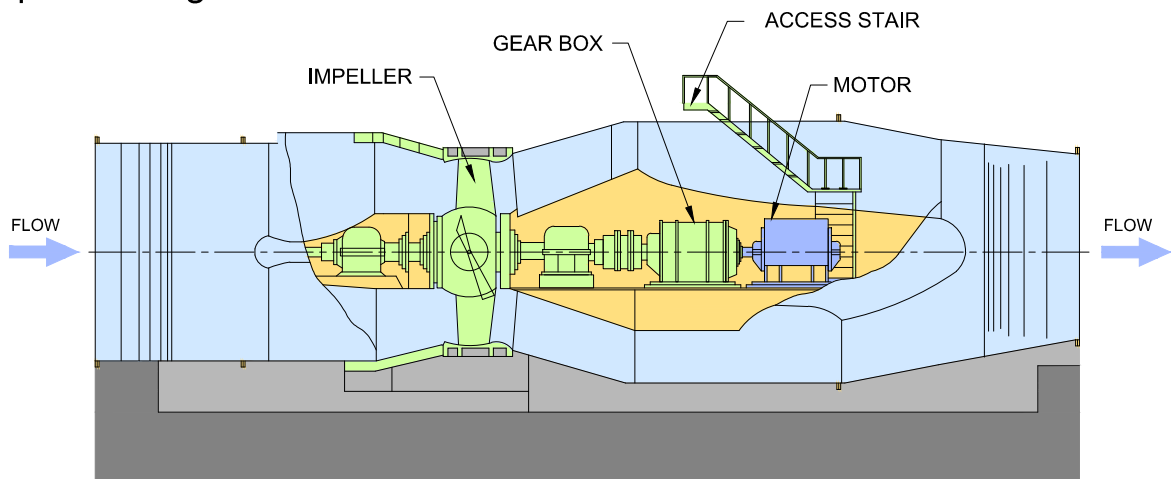
■ Large size



■ Vertical motor



■ Special large size





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