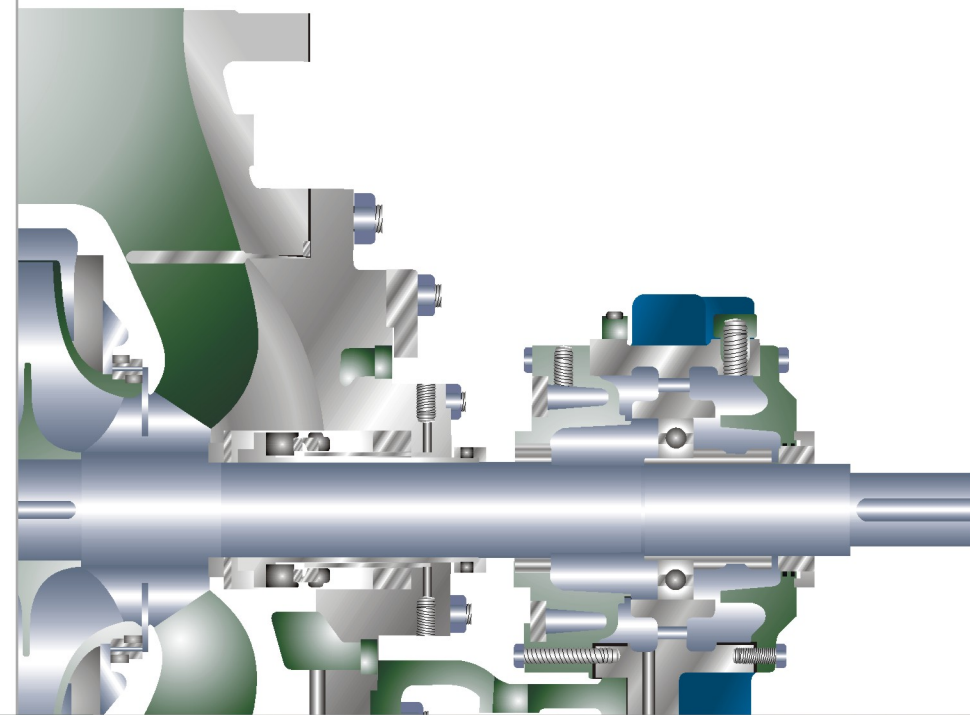
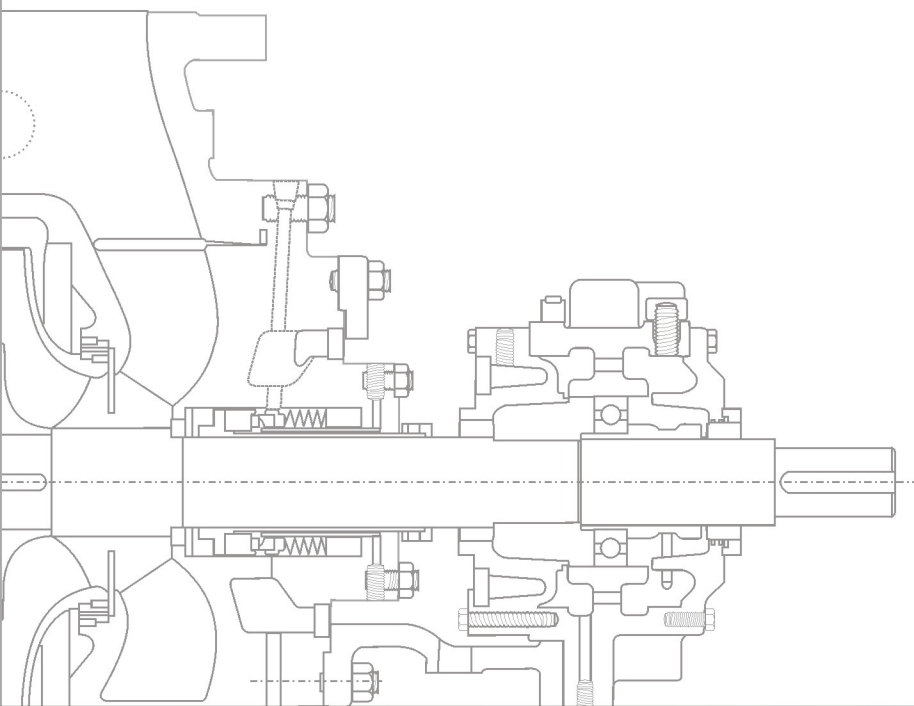


TG KSA



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Heavy Duty
Process Pump
acc. to API 610 10th Ed
code BB2



GENERAL

TG KSA series process pump is double suction, between bearing, radially split and centerline supported, designing according to API 610 (code BB2).

OPERATING RANGE

Capacity	Q	95 to 1,740 m ³ /hr
Total head	H	38 to 280 m
Temperature	T	-80 to +450 °C
Nozzle size, Discharge	DN	125 to 400 mm



APPLICATION

Petrochemical Industry	:	Process feed, circulation, process booster, column reflux, tower bottoms.
Power Generation	:	Boiler feed, boiler circulation, ash sluice.
Chemical Industry	:	Process booster, process feed.

FEATURES

Casing	:	Double volute design reduces the radial thrust, the liquid that entering into impeller distributed evenly.
Casing Cover	:	The symmetry double casing cover design for easy in maintenance. The cooling chamber design could decrease the working temperature in seal chamber, which guarantees seal long life.
Impeller	:	Double suction impeller give low NPSHR and balances axial thrust for long bearing life.
Shaft	:	Rigid shaft design guarantee the pump running steadily under the working speed. The heavy-duty shaft is designed for adopting the suitable bearing span, which supplies the reliability and anti-turn safety.
Bearing	:	The diagonal contacting ball bearing guarantee the load capacity in heavy duty. Various cooling type the decrease the bearing working temperature to improve the bearing life; air cooling (t < 120 °C), fan cooling (t = 120 - 260 °C) and water cooling (t = 260 - 450 °C).
Seal Chambers	:	Conform to API 682 requirement allow the use of wide range mechanical seal for specific service conditions.

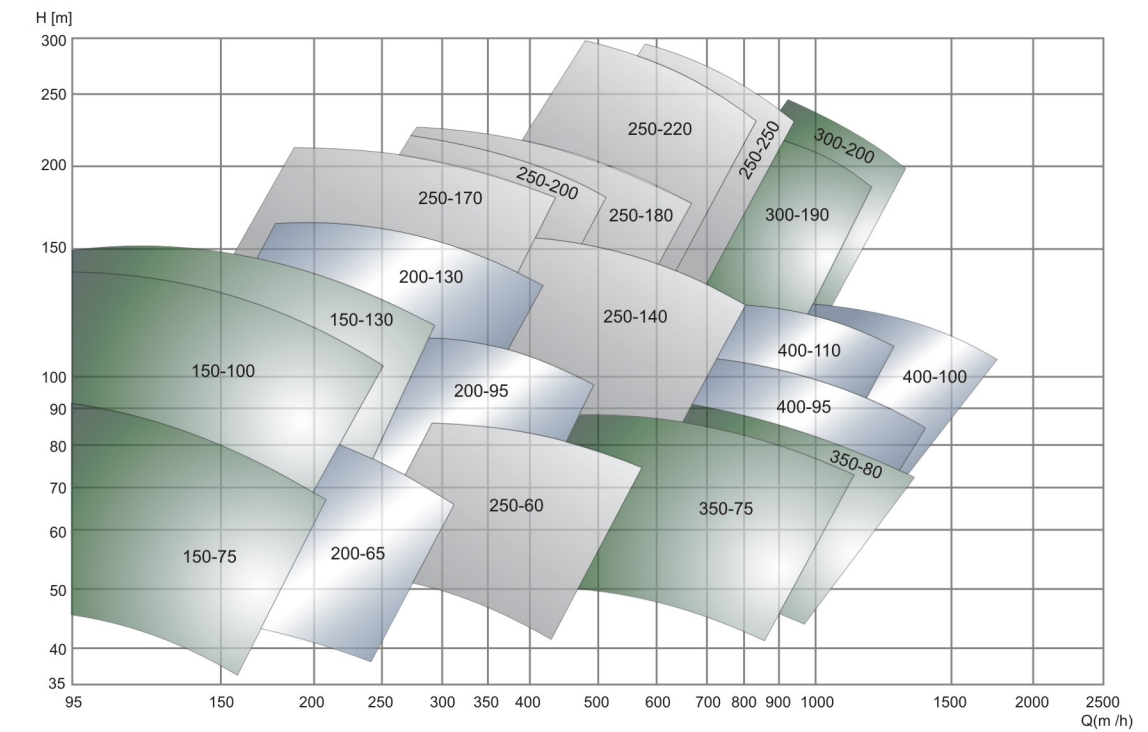
NOMENCLATURE

Ex. TG KSA 200 - 95 B

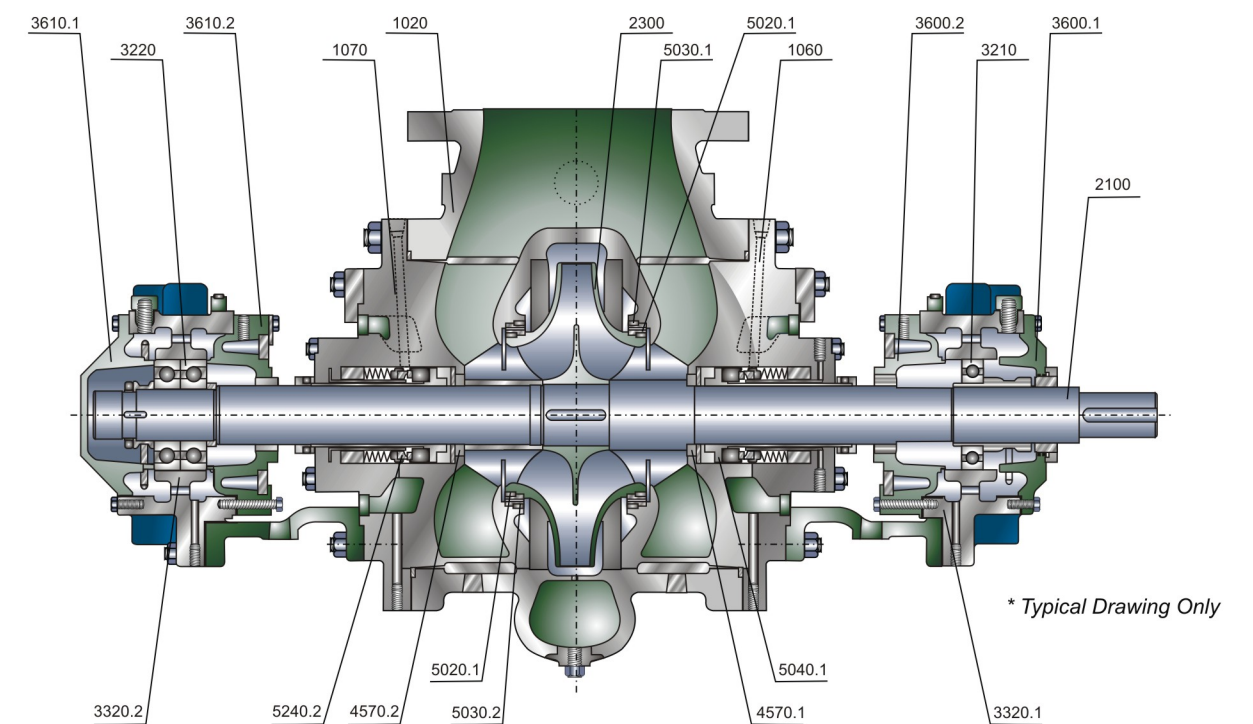
TG KSA	:	Double suction, between bearings, radially split centrifugal pump.
200	:	Suction nozzle, mm
95	:	Head, m
B	:	Mark of impeller corection



SELECTION CHART



SECTIONAL DRAWING



1020	:	Pump Casing	3320.1	:	Bearing Bracket	4570.2	:	Throat Bushing
1060	:	Casing Cover	3320.2	:	Bearing Bracket	5020.1	:	Case Wear Ring
1070	:	Casing Cover	3600.1	:	Bearing Cover	5020.1	:	Case Wear Ring
2100	:	Shaft	3600.2	:	Bearing Cover	5030.1	:	Impeller Wear Ring
2300	:	Impeller	3610.1	:	Bearing Cover	5030.2	:	Impeller Wear Ring
3210	:	Ball Bearing	3610.2	:	Bearing Cover	5240.1	:	Shaft Protecting Sleeve
3220	:	Ball Bearing	4570.1	:	Throat Bushing	5240.2	:	Shaft Protecting Sleeve