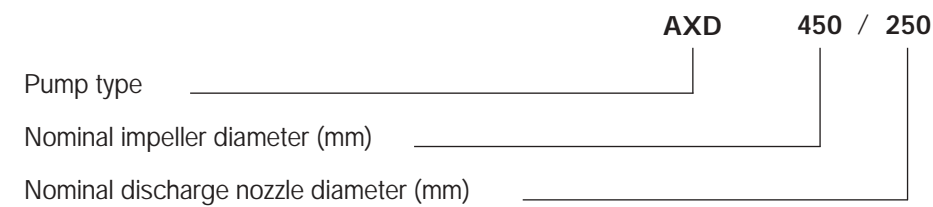


Design variations

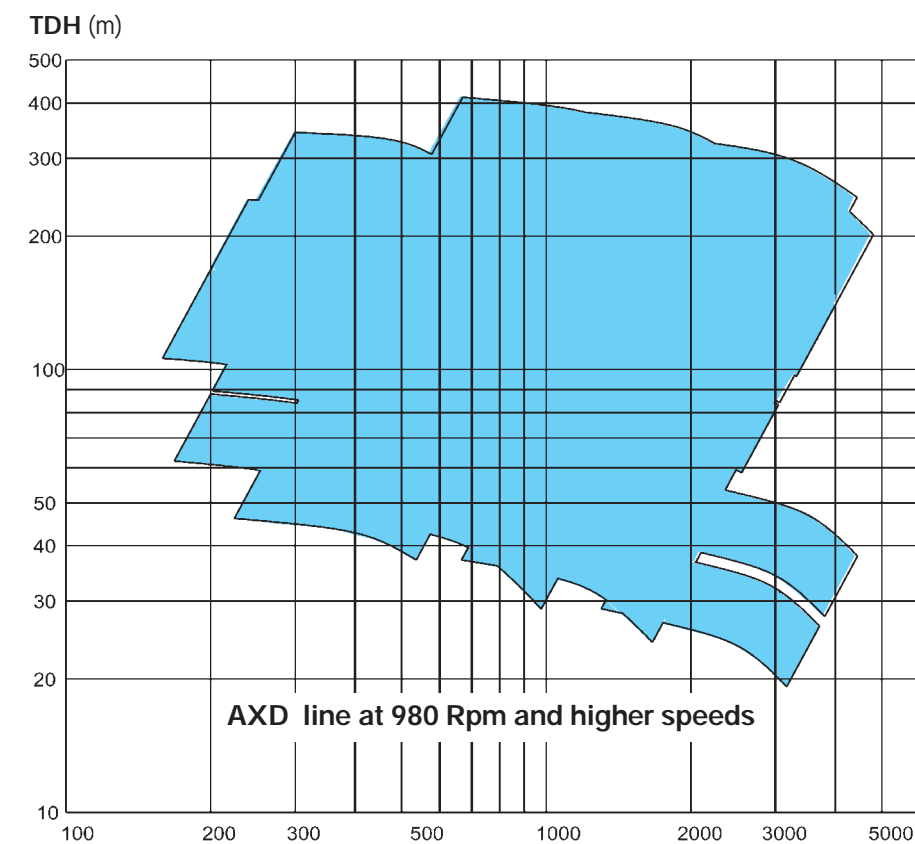
In addition the following pump designs can be provided:

- For extremely low NPSH duties, a number of AXD pumps can be equipped with inducers.
- Casing foot mounted.
- Replaceable stuffing box cooling or heating jackets.
- Double shaft extension.
- Cylindrical fit at coupling shaft end.
- Special bearing isolators at either bearing housing ends.
- Roller, 'CARB' or hydrodynamic line bearing for high temperature application.
- Oil mist lubrication system (pure or purge).
- Forced feed lubrication system.
- Temperature and/or vibration detection and monitoring equipment.

Pump identification



Coverage chart



A century of experience

Since the foundation of the company in 1897, Pompe Gabbioneta has been engaged in design and manufacture of high quality centrifugal pumps. The products and the markets served progressively changed from water to chemical industry and finally, in the last thirty years, to API 610 heavy duty pumps for refinery and petrochemical industries. The product development is based on a thorough interchange of marketing and operating experience within the company and in close cooperation with project and plant engineers. The manufacturing is made in a factory equipped with several modern cnc machines and machine tools, special note has to be given to the machining centers where pump casings can be machined completely with only two settings. In house facilities are designed to meet the performance and NPSH testing requirements of all pumps manufactured in the company in full compliance with API 610 standards. A quality assurance system certified in accordance with ISO 9001 is granting the achievement of highest quality for manufactured pumps.

Pumps units ready for shipment.



AXD LINE



Registered Office: Viale Gramsci 79
Headquarters: Viale Casiraghi 68
20099 Sesto San Giovanni MI Italy
Telephone +39 02.241001 r.a.
Telefax +39 02.2424550

e-mail: pompe.gabbioneta@pompegabbioneta.com
http://www.pompegabbioneta.com
R.I. MI n.° 90297/1999 REA MI n° 1584044
Codice Fiscale 12759010155
Partita IVA - VAT IT 02894200969

POMPE GABBIONETA Inc
17 South Briar Hollow Ln., Ste 207
Houston Texas 77027
Telephone 001.713.3554900
Telefax 001.713.3556200
e-mail: wcat20@aol.com



SGI Cert. n° 0194
UNI EN ISO 9001/94

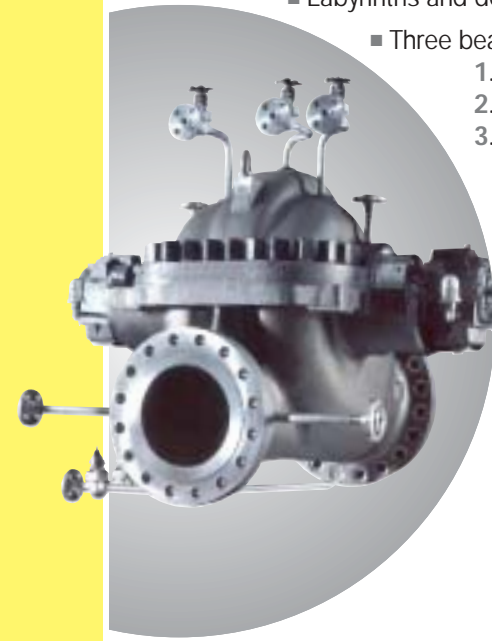


General informations

The AXD line heavy duty process pumps are horizontal, between bearings with a axially split casing, and double suction impeller fully designed according to latest edition of API 610 std. A wide range of sizes and material combinations complete the variety of the offered product.

Main design features are:

- Double suction, closed impeller, with a solid hub, to maintain axial balance, under different operating conditions.
- Stiff shaft design. Rotor operates below it's 1st critical speed.
- Suction and discharge nozzles, integrally cast with casing, are arranged on side-side position.
- Deep stuffing boxes integrally cast with pump casing, in accordance to API 682 std suitable to accept any type of mechanical or packing seals.
- Near centerline casing mounting for high temperature stability.
- Axial split bearing housing for easy inspection and maintenance procedure.
 - Labyrinths and deflectors at either bearing housing to maximise protection against dirt.
 - Three bearings arrangements available:
 1. Ball Radial / Ball Thrust
 2. Sleeve Radial / Ball Thrust
 3. Sleeve Radial / Tilting Pads Thrust (Kingsbury Type).



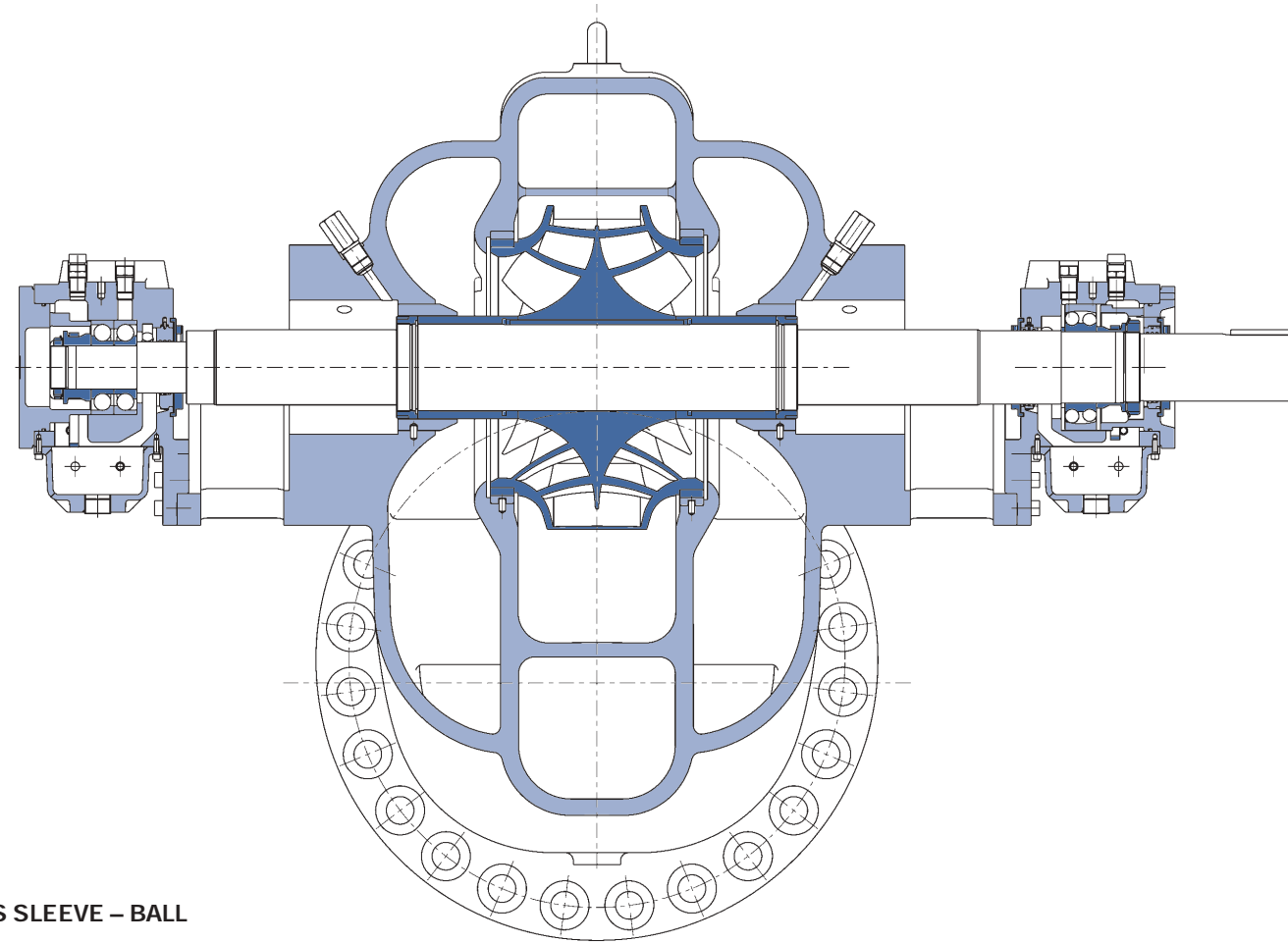
Main pumps applications refer to heavy duties on:

- fluid transport
- refineries
- petrochemical plants
- firefighting

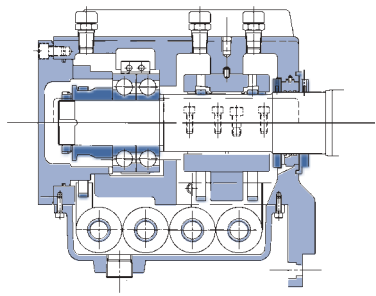
Operating data

Capacities	up to	4500 m ³ /h	(20000 Gpm)
Heads	up to	380 m	(1200 Feet)
Temperatures	from	- 30°C (-20°F)	to 200°C (400°F)
Design working pressure	up to	60 barg	(800 Psig)
Hydrotest pressure	up to	90 barg	(1200 Psig)
Rotational speed	up to	4000 Rpm	

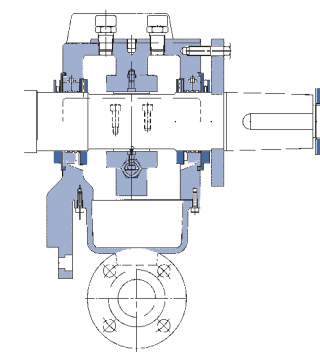
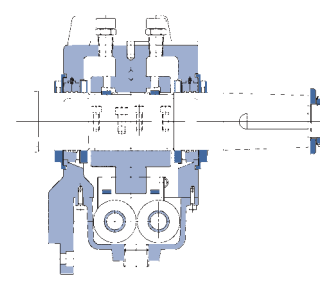
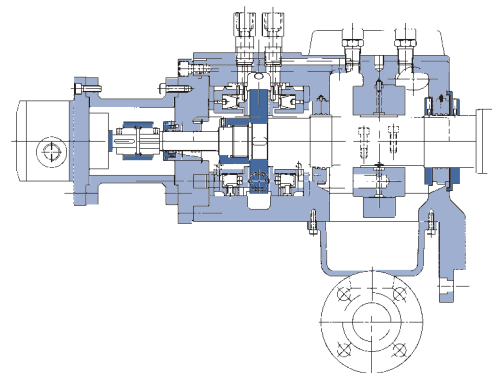
AXD



SB/S SLEEVE – BALL

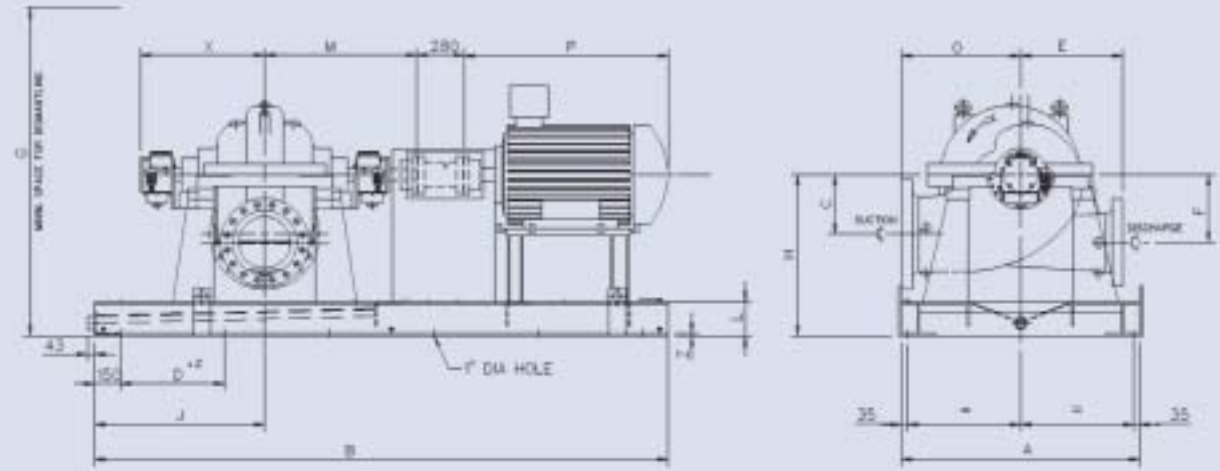


SKJ/SK SLEEVE – KINGSBURY



AXD Line overall dimensions

General notes
 1. All dimensions are in mm. Do not use for construction unless certified.
 2. Dimension B and P vary with driver selection.
 3. Dimensions X relative to Sleeve-Kingsbury configuration do not include the coaxial lube oil pump.



Pump type	nozzle size		A	D	C	E	F	G	H	X			M	O	J	L	Z
	suct.	disch.								ball ball	sleeve ball	sleeve kingsbury					
AXD 300/150	8"	6"	1060	715	230	370	230	1300	700	556	680	700	690	430	1000	200	15
AXD 300/200	10"	8"	1060	715	270	360	230	1400	700	685	809	829	846	460	1000	200	15
AXD 400/150	10"	6"	1240	715	255	500	255	1700	800	647	771	791	766	500	1000	200	15
AXD 400/350	18"	14"	1390	715	370	600	400	1800	1000	730	854	874	895	700	1000	260	17.5
AXD 450/250	12"	10"	1240	715	330	480	300	1750	800	664	788	808	812	620	1000	200	15
AXDL 450/250	12"	10"	1240	715	300	480	300	1750	800	664	788	808	812	620	1000	200	15
AXD 500/150	8"	6"	1240	715	280	500	280	1850	700	580	704	724	680	600	1000	200	15
AXD 500/200	10"	8"	1240	715	350	500	350	1850	800	685	809	829	846	600	1000	200	15
AXD 500/250	14"	10"	1390	715	320	550	370	1900	900	664	788	808	812	650	1000	200	15
AXD 500/300	16"	12"	1390	715	350	600	400	1950	900	732	856	876	895	700	1000	200	15
AXD 550/450	22"	18"	1900	715	500	800	550	2400	1200	867	991	1011	1030	950	1200	260	17.5
AXD 600/200	10"	8"	1240	715	350	550	350	2000	800	685	809	829	846	630	1000	200	15
AXD 600/250	14"	10"	1390	715	320	550	400	2100	900	664	788	808	812	700	1000	200	15
AXD 600/300	14"	12"	1545	715	400	600	350	2100	900	720	844	864	881	750	1000	200	15
AXD 700/250	12"	10"	1545	715	340	575	340	2200	800	685	809	829	846	720	1000	200	15
AXD 700/450	24"	18"	2000	715	420	850	520	2300	1200	888	1014	1034	1075	950	1300	260	17.5
AXD 850/300	16"	12"	2000	715	420	850	520	2300	1200	798	922	942	965	950	1050	260	17.5
AXD 800/400	20"	16"	2000	715	420	850	520	2300	1200	858	984	1004	1045	950	1050	260	17.5
AXD 850/400	20"	16"	2000	715	420	850	520	2300	1200	858	984	1004	1045	950	1050	260	17.5
AXD 800/450	24"	18"	2000	715	420	850	520	2300	1200	888	1014	1034	1075	950	1300	260	17.5
AXD 850/450	24"	18"	2000	715	420	850	520	2300	1200	888	1014	1034	1075	950	1300	260	17.5