

# ATLAS

EQUIPMENT CO.

QUOTES IN HOURS. PARTS IN DAYS.



ATLAS  
EQUIPMENT CO.

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## WX Series



Born in 2005 from a distributor's need, ATLAS has been built on a legacy of trust, integrity, quality and...

# SPEED

## WX Series (Horizontal)

Atlas WX pumps are found in many various applications:

Pump Applications	WX(R)	WXH	WL	WG
Mill Discharge	X			
Coarse Sand	X	X		
Coarse Tailings	X	X		
Phosphate Matrix	X	X	X	X
Fine Tailings	X		X	
Heavy Media	X	X	X	
Dredging				X
Gypsum	X	X	X	
Coal Washing	X	X	X	X
Flue-Gas Desulfurization	X	X	X	

*NOTE: Not all applications shown*



Atlas WX 4x3 Pump Assembly

Built to withstand the most

**EXTREME**

environments.

## WX Series (Horizontal)



### Features:

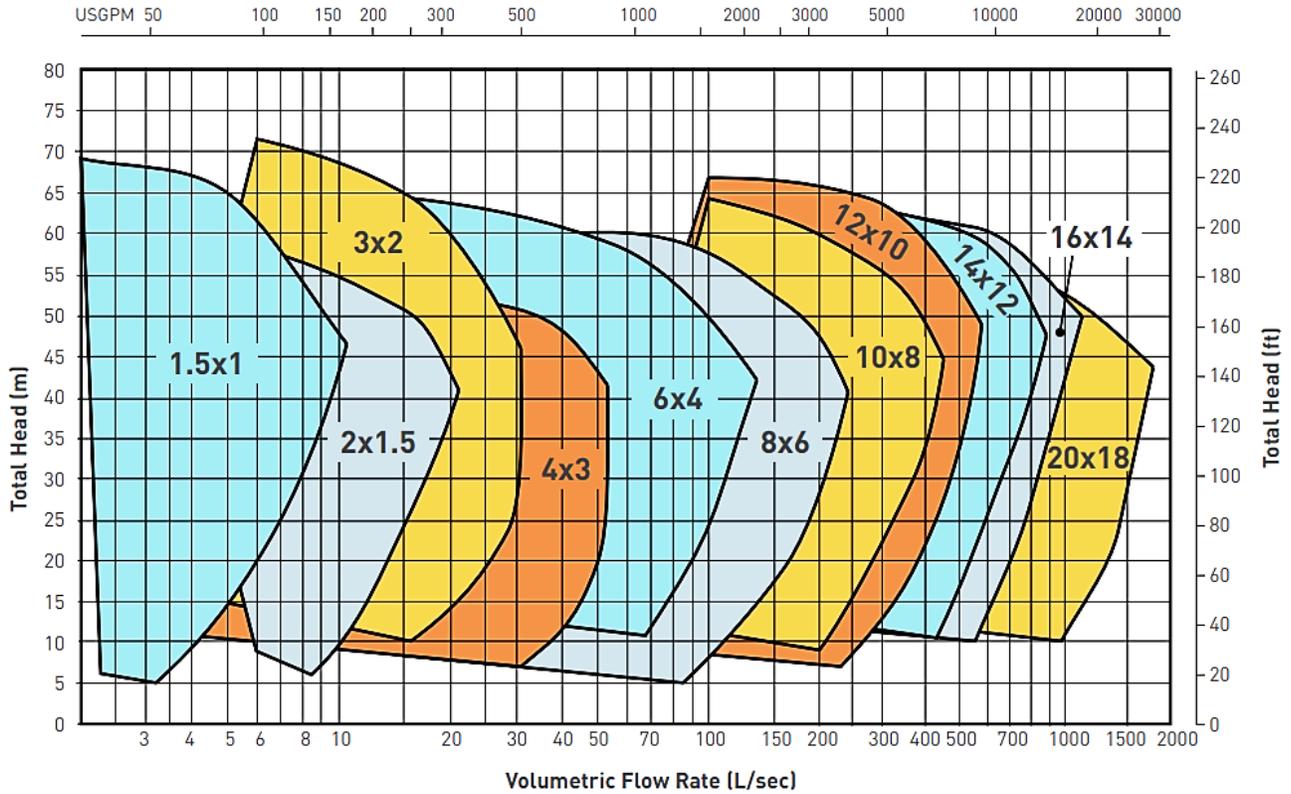
- Built for abrasive & high-density slurry transfer
- Rugged construction, with 27% Chrome, white iron or elastomer (rubber) to handle a wide range of applications and slurry types
- Available in sizes from 1 inch to 18 inch discharge
- 100% interchangeable with legacy slurry pump brands\*
- Hard metal/rubber parts are interchangeable for like size pumps
- ISO-9001 Certified Manufacturing & Documentation
- Manufactured using the highest quality materials to ensure reliability and extended service life

*\*Crossover chart available upon request.*

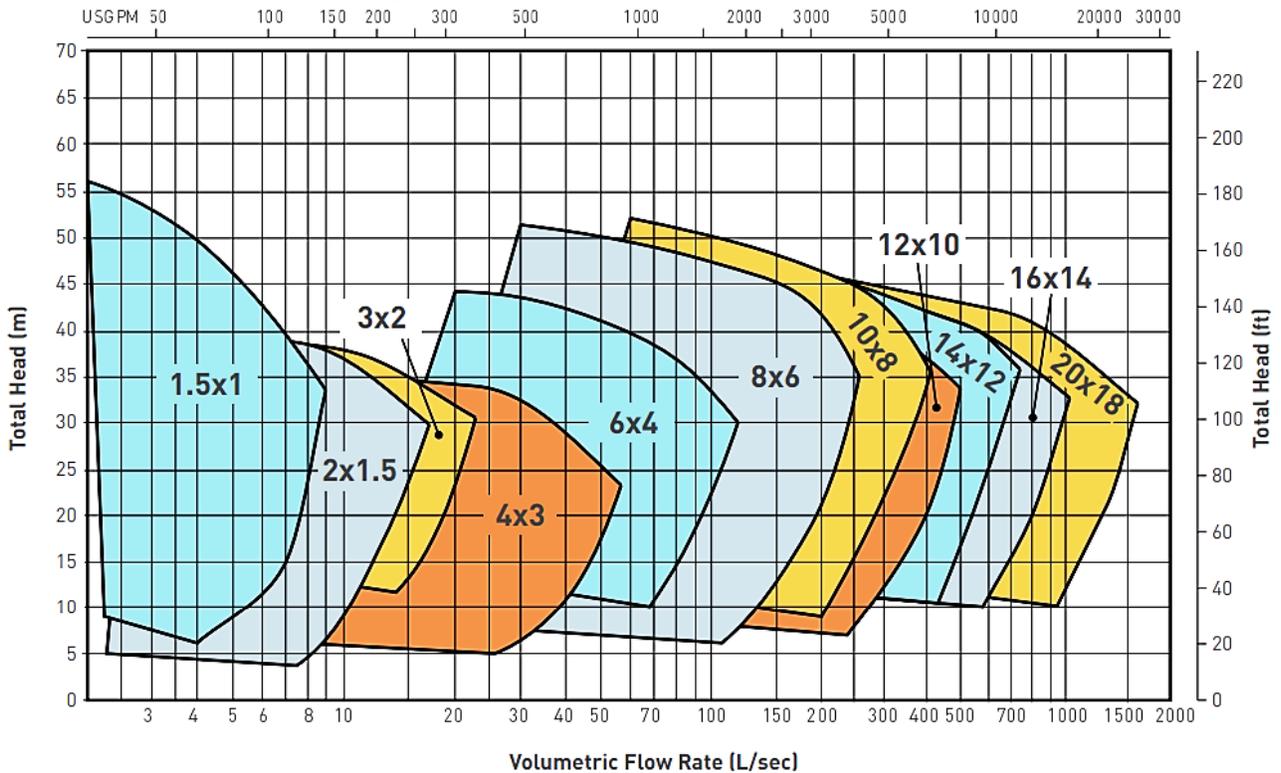
# Pump Performance

## WX Metal-Lined Pumps

Performance curves below are shown for specific gravity of 1.0. Contact Atlas to discuss pump selections for specific applications.



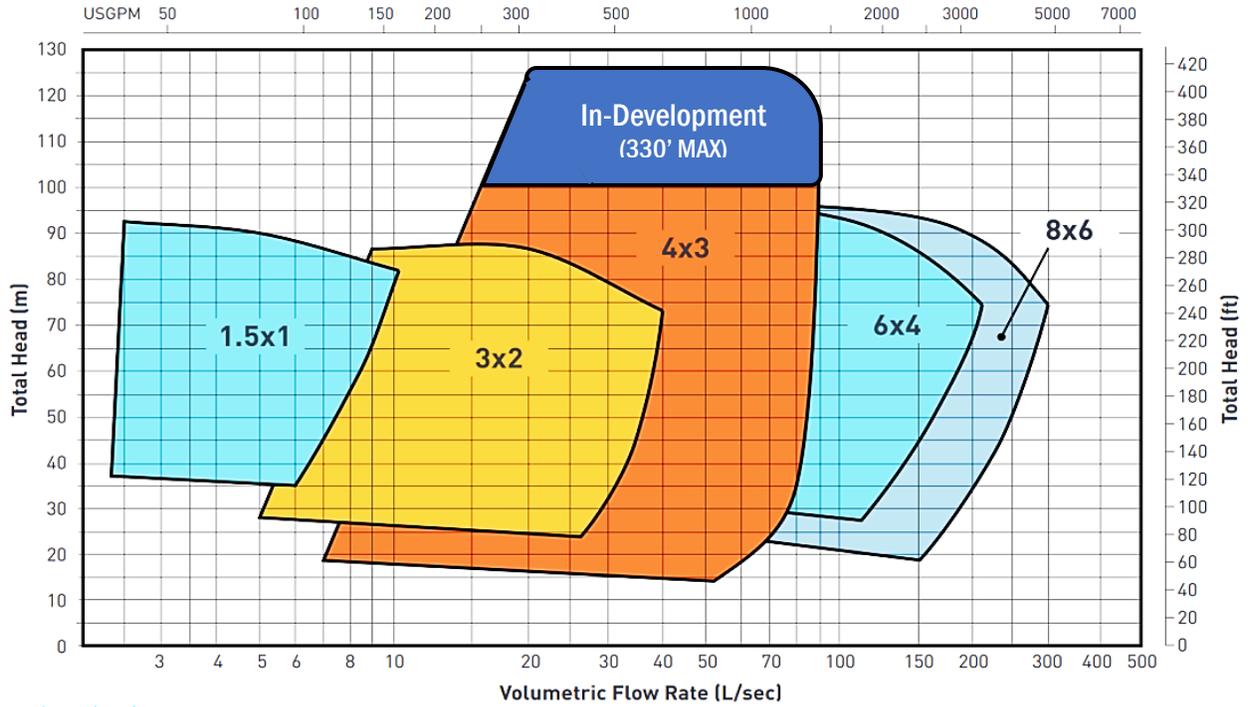
## WXR Rubber-Lined Pumps



# Pump Performance

## WXH High-Head Pumps

Performance curves below are shown for specific gravity of 1.0. Contact Atlas to discuss pump selections for specific applications.



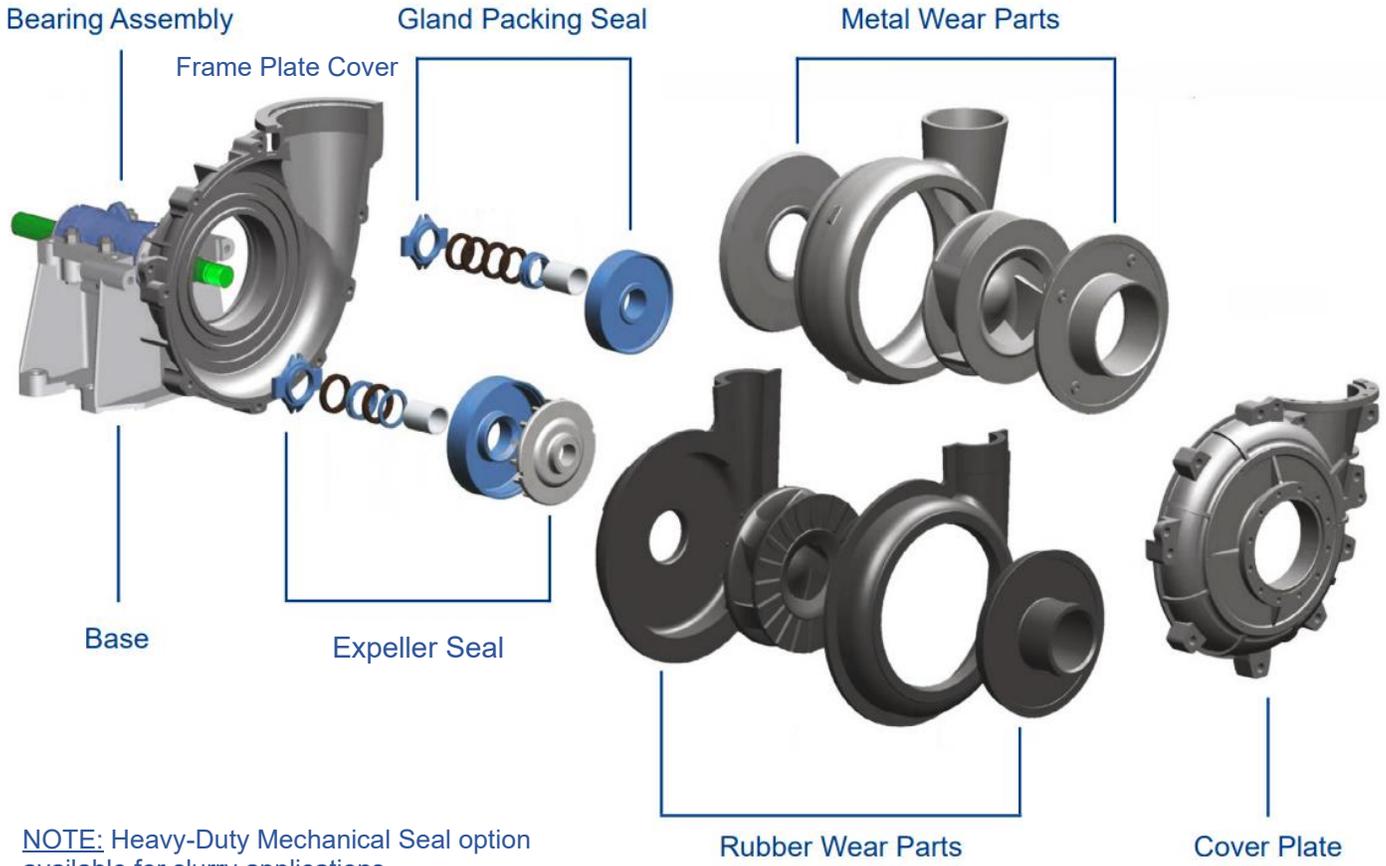
3x2 WXR Pump



6x4 WX Pump

# Pump Components

## WX Pump Component View



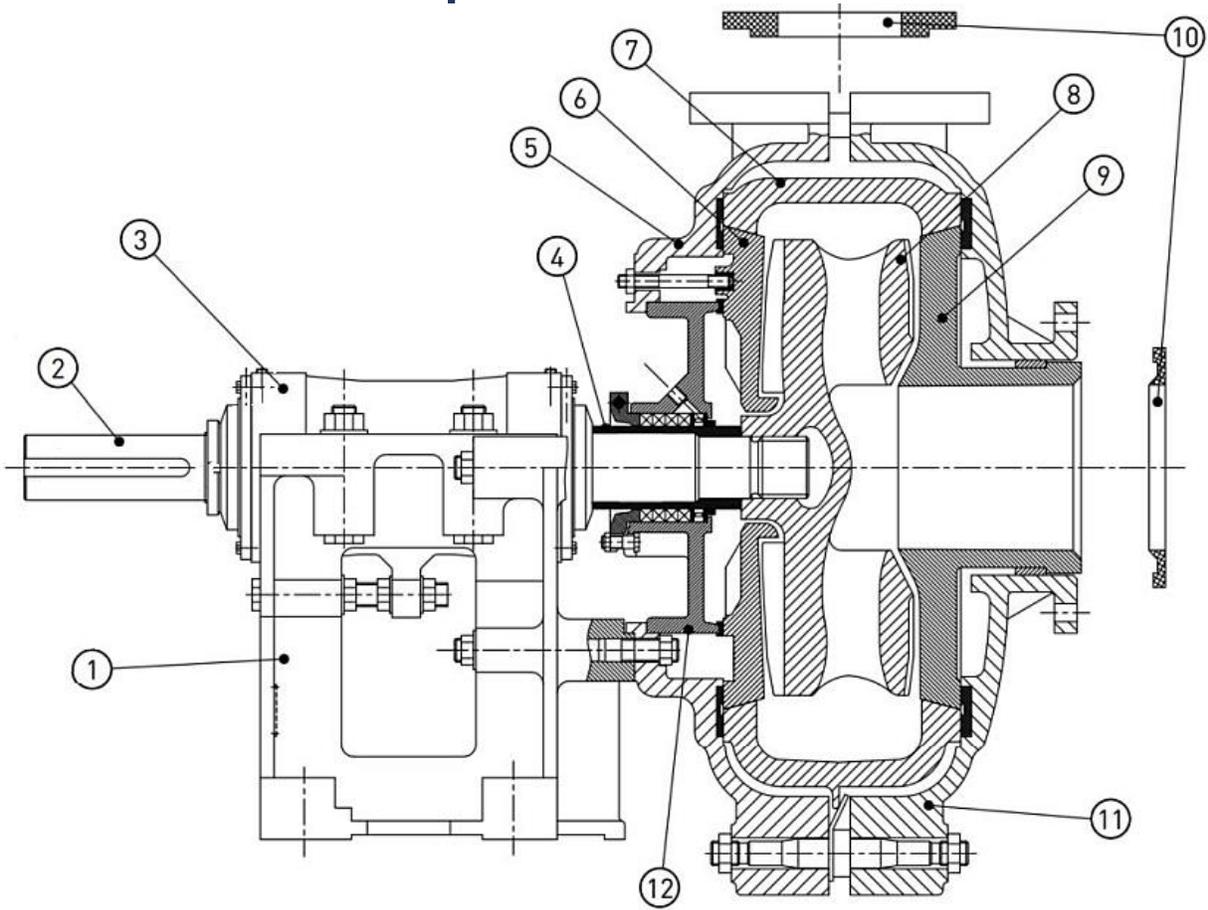
**14x12 WX Pump**



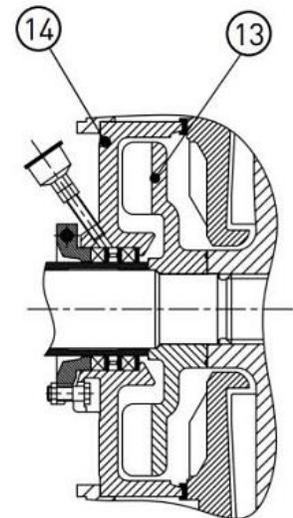
**2x1.5 WX Pump**

# Pump Component Data

## WX Series Metal-Lined Pump



No.	Part Description	Material Specification
1	Base	Cast Iron
2	Shaft	4140 High Tensile Steel*
3	Bearing Assembly	Timken/SKF (Cast Iron Body)
4	Shaft Sleeve	Hardened 450 BHN Steel
5	Frame Plate Cover	Ductile Iron
6	Frame Plate Liner	27% Chrome White Iron
7	Volute Liner	27% Chrome White Iron
8	Impeller	27% Chrome White Iron
9	Throat Bush	27% Chrome White Iron
10	Joint Rings	Rubber
11	Cover Plate	Ductile Iron
12	Stuffing Box	Cast Iron or Other Alloy(s)
13	Expeller	27% Chrome White Iron
14	Expeller Ring	27% Chrome White Iron
	Bolts	Zinc-Plated Steel
	O-Rings	Nitrile Rubber
	Seals	Rubber

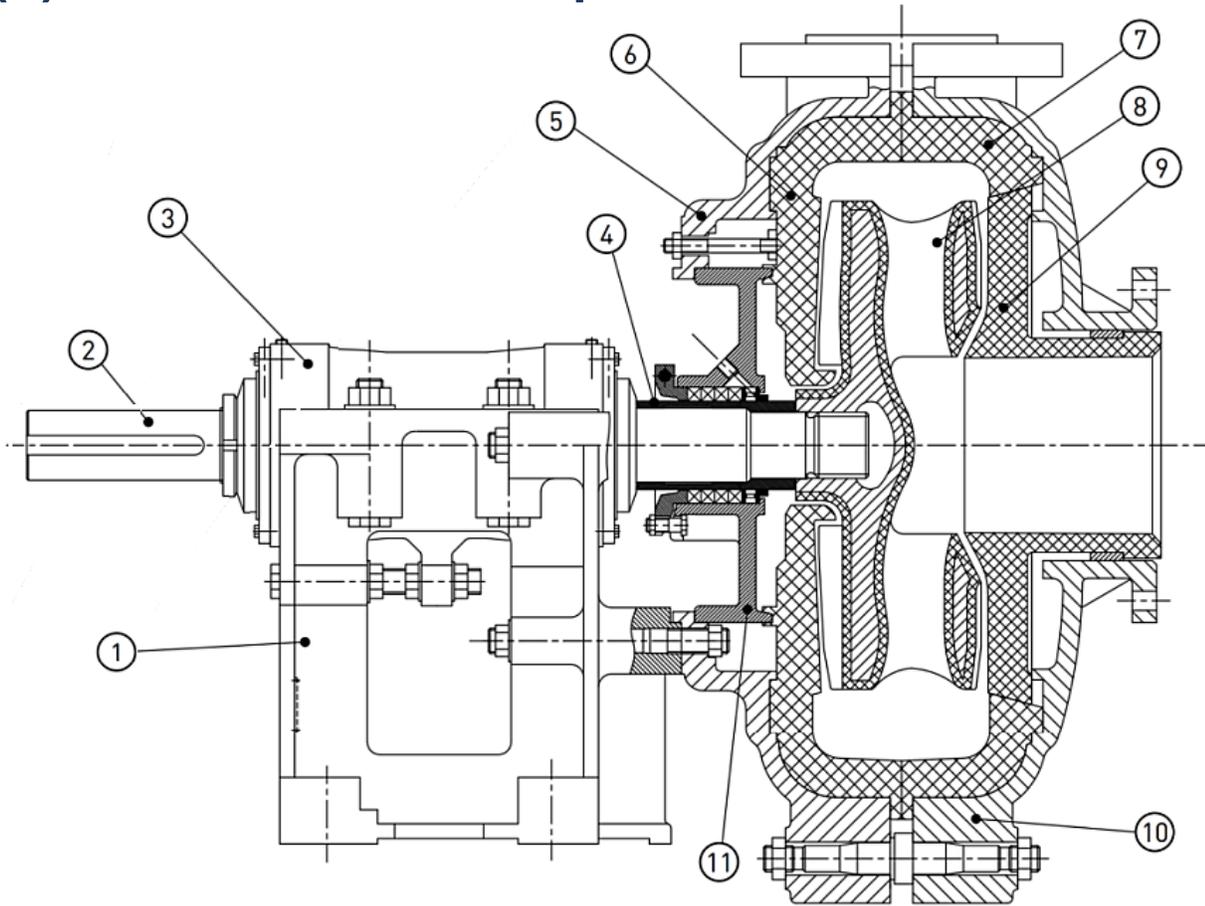


**Expeller Seal**

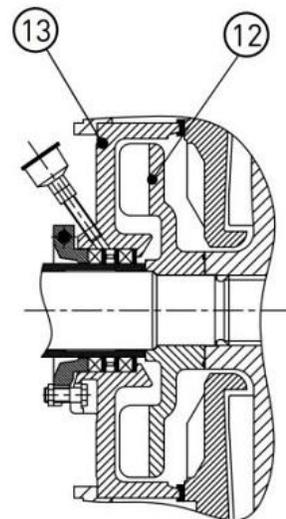
\*Alternative shaft material options available

# Pump Component Data

## WX(R) Series Rubber-Lined Pump



No.	Part Description	Material Specification
1	Base	Cast Iron
2	Shaft	4140 High Tensile Steel*
3	Bearing Assembly	Timken/SKF (Cast Iron Body)
4	Shaft Sleeve	Hardened 450 BHN Steel
5	Frame Plate Cover	Ductile Iron
6	Frame Plate Liner Insert	Rubber
7	Cover Plate Liner	Rubber
8	Impeller	Rubber-Coated High Tensile Steel Skeleton
9	Throat Bush	Rubber
10	Cover Plate	Ductile Iron
11	Stuffing Box	Cast Iron or Other Alloy(s)
12	Expeller	27% Chrome White Iron (A05)
13	Expeller Ring	27% Chrome White Iron (A05)
	Bolts	Zinc-Plated Steel
	O-Rings	Nitrile Rubber
	Seals	Rubber

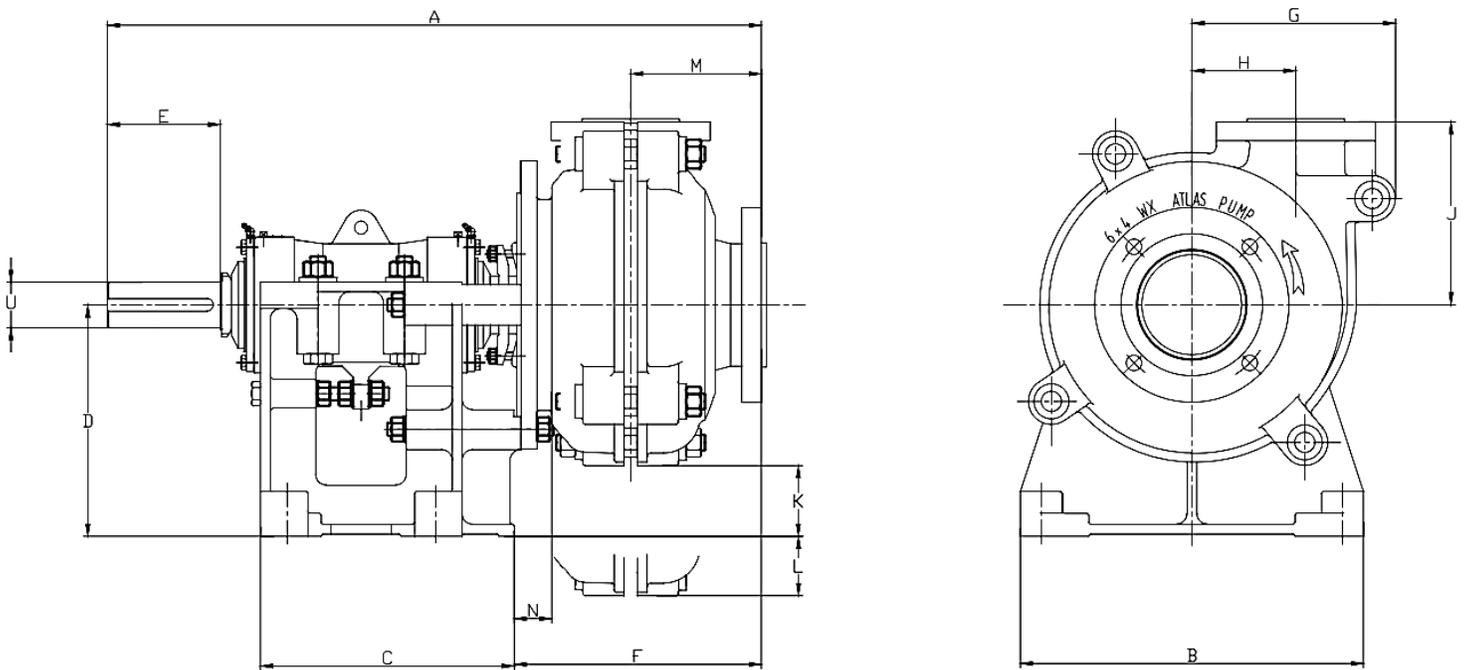


**Expeller Seal**  
(Rubber Available)

\*Alternative shaft material options available

# Pump Dimensional Data

## WX Series - General Arrangement Drawing



Size	A	B	C	D	U	Key Size	E	F	G	H	J	K	L	M	N	Wt/LBs	
Model	(in)	(in)	(in)	(in)	(mm)	(mm)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	Metal	Elastomer
1.5/1 BWX	22.95	11.61	9.76	7.76	28	8X7	3.11	8.11	7.13	3.86	6.73	1.81	*	4.17	0.74	195	170
2/1.5 BWX	23.45	11.61	9.76	7.76	28	8X7	3.09	8.54	7.99	4.49	7.24	1.31	*	4.65	0.86	345	260
3/2 CWX	30.47	15.98	12.24	10	42	12X8	4.41	11.02	9.37	5.43	8.27	2.81	*	6.14	1.56	435	340
3/2 DWXH	28.82	19.37	14.33	12.99	65	18X11	6.46	15.28	15.12	10	14.49	*	2	7.99	3.28	1550	*
4/3 CWX	33.62	15.98	12.24	10	42	12X8	4.76	14.13	11.5	5.87	10.31	0.79	*	7.56	2.83	550	520
4/3 DWX	37.6	19.37	14.33	12.99	65	18X11	6.46	13.62	11.5	5.87	10.31	3.93	*	7.56	2.83	700	640
4/3 EWXH	48.82	24.49	17.64	17.99	80	22X14	8.74	19.37	19.37	12.99	17	*	*	9.76	3.12	2750	*
6/4 DWX	40.2	19.37	14.33	12.99	65	18X11	6.46	16.69	15.98	9.02	13.31	0.43	*	8.62	2.57	1475	1000
6/4 EWX	46.73	24.49	17.64	17.99	80	22X14	8.74	17.05	15.98	9.02	13.31	5.43	*	8.98	2.96	1950	1400
6/4 FWXH	61.26	33.74	24.96	24.02	100	28X16	10.98	23.03	24.25	16.26	21.5	1.00	*	12.01	2.96	5575	*
8/6 EWX	51.3	24.49	17.64	17.99	80	22X14	8.74	21.93	21.69	12.52	18.11	*	2.44	11.5	3.23	3300	2166
8/6 FWX	59.7	33.74	25	24.02	100	28X16	10.98	21.22	21.69	12.52	18.11	3.54	*	11.97	2.56	4000	3066
10/8 FWX	64.8	39.02	27.76	24.02	100	28X16	10.98	26.89	26.5	16.5	25	*	0.47	13.11	5.28	7040	5690
10/8 STWX	68.98	45.28	30.71	25.59	120	32X18	11.02	27.24	26.5	16.5	25	1.06	*	13.15	5.63	8250	6900
12/10 FWX	67.76	39.02	27.76	24.02	100	28X16	10.98	29.65	29.76	18.27	26.5	*	4.09	15	4.25	8290	6190
12/10 STWX	71.5	45.28	30.71	25.59	120	32X18	11.02	30	29.72	18.27	26.5	*	2.56	15	4.6	9500	7400
14/12 FWX	69.84	39.02	27.76	24.02	100	28X16	10.98	31.61	36.89	24.76	32.76	*	10.35	15.98	4.13	12890	9090
14/12 STWX	73.74	45.28	30.71	25.59	120	32X18	11.02	31.97	36.89	24.76	32.76	*	8.82	15.98	4.48	14100	10300
16/14 TUWX	91.34	57.48	41.34	35.43	150	36X20	13.78	37.52	41.26	25.98	35	*	3.31	17.76	6.56	22000	*
20/18 TUWX	97.44	57.48	41.34	35.43	150	36X20	13.78	44.29	55.67	37.01	48.43	*	16.42	22.84	2.98	36440	27181

# CHANGE

**ATLAS**  
EQUIPMENT CO.

# YOUR



Atlas products interchange with legacy Warman, Galigher, Ash and many other popular slurry pump brands.

# ACHINE

Quotes in **HOURS**. Parts in **DAYS**.



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