



WX WXH WH

HEAVY DUTY SLURRY PUMPS



ISO 9001-2008

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CAPABILITIES AND DESIGN FEATURES

Heavy Duty Slurry Pumps are designed for long life, efficient operation, and ease of maintenance resulting in a lower total cost of operation.

Pumps are available either Rubber or Metal lined utilizing Abrasive and Corrosive Resistant Materials.

An optional heavy duty bearing assembly is available from VersaPumps for applications where additional power or bearing loading is required.

STD. CARTRIDGE ASSY		HD. CARTRIDGE ASSY	
Size	BHP/KW Max	Size	BHP/KW Max
AC	40/30	ACC	75/55
AD	80/60	ADD	150/110
AE	160/120	AEE	300/225
AF	350/260	AFF	570/425

Cartridge Bearing Assembly and Shaft

The shaft is designed with a short overhang to:

- Reduce shaft deflection
- Minimize vibration

Provided with hardened shaft sleeve to protect the shaft

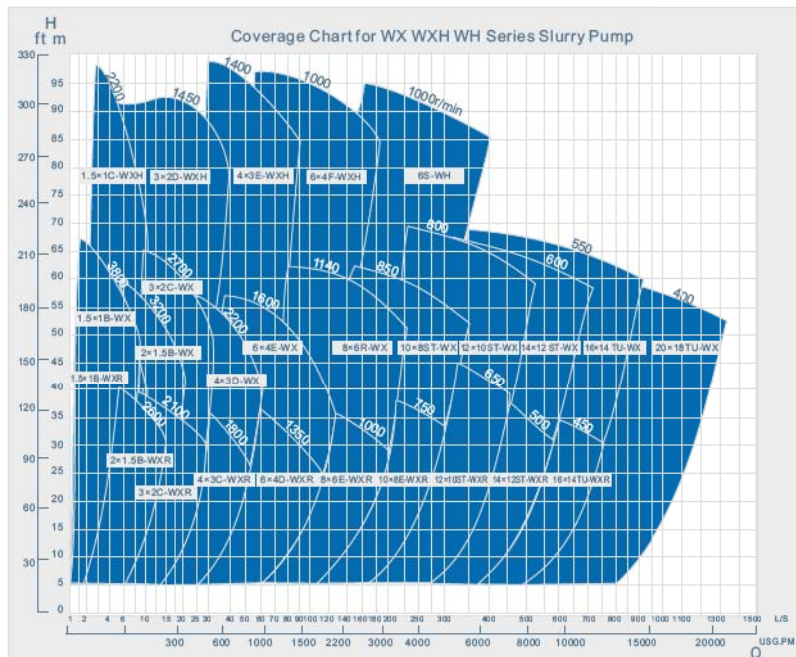
Materials Cross Reference			
Material	Applied Products Range	Atlas Material Code	American Standard Code
HT200	Casing, Cover Plate, Base, Bearing Housing, Stuffing Box, Stuffing Gland	GT01	AWS No.30
QT500-7	Casing, Cover Plate Base, Bearing Housing	DT21	AWS 80-55-06
KmTBCr26	Impeller, Expeller, Volute, FPL Insert, Throat Bush, Expeller Ring	AT05	ASTM A 25% Cr
	Impeller, Volute, FPL Insert, Throat Bush	AT49	ASTM A532 CLASS III TYPE A
	Impeller, Volute, FPL Insert, Throat Bush	AT51	
45	Shaft, Cover Plate Stud	45	ASTM 1450
3Cr13	Shaft Sleeve, Shaft Spacer	AC21	
1Cr18Ni9Ti	Lantern Restrictor, Lantern Ring, Neck Ring		ASTM 321
Natural Rubber	Impeller, Volute, FPL Insert, Throat Bush		

Note: The upper is standard material, if the user need, we can provide some other material.

Optional dimensionally interchangeable heavy duty bearing cartridge assemblies

Cartridge assembly is retained on a one piece frame

Grease purged piston rings to help seal contaminants out of bearing housing



Impeller

Enclosed impellers to maximize efficiency

- Pump out vanes on both shrouds
- Minimizes recirculation
- Reduces stuffing box pressure

Hard Metal or elastomer liquid ends

Interchangeable hard metal and elastomer impellers

Cast-in impeller threads to protect shaft

Impeller clearance set by moving cartridge assembly

**Mining & Mineral Processing Power Plants Cyclone Feed
Building Products Cement Paper pulp Sand & Gravel Cane & Sugar Beet**

