



INNOVATIVELY HORIZONTAL DBH

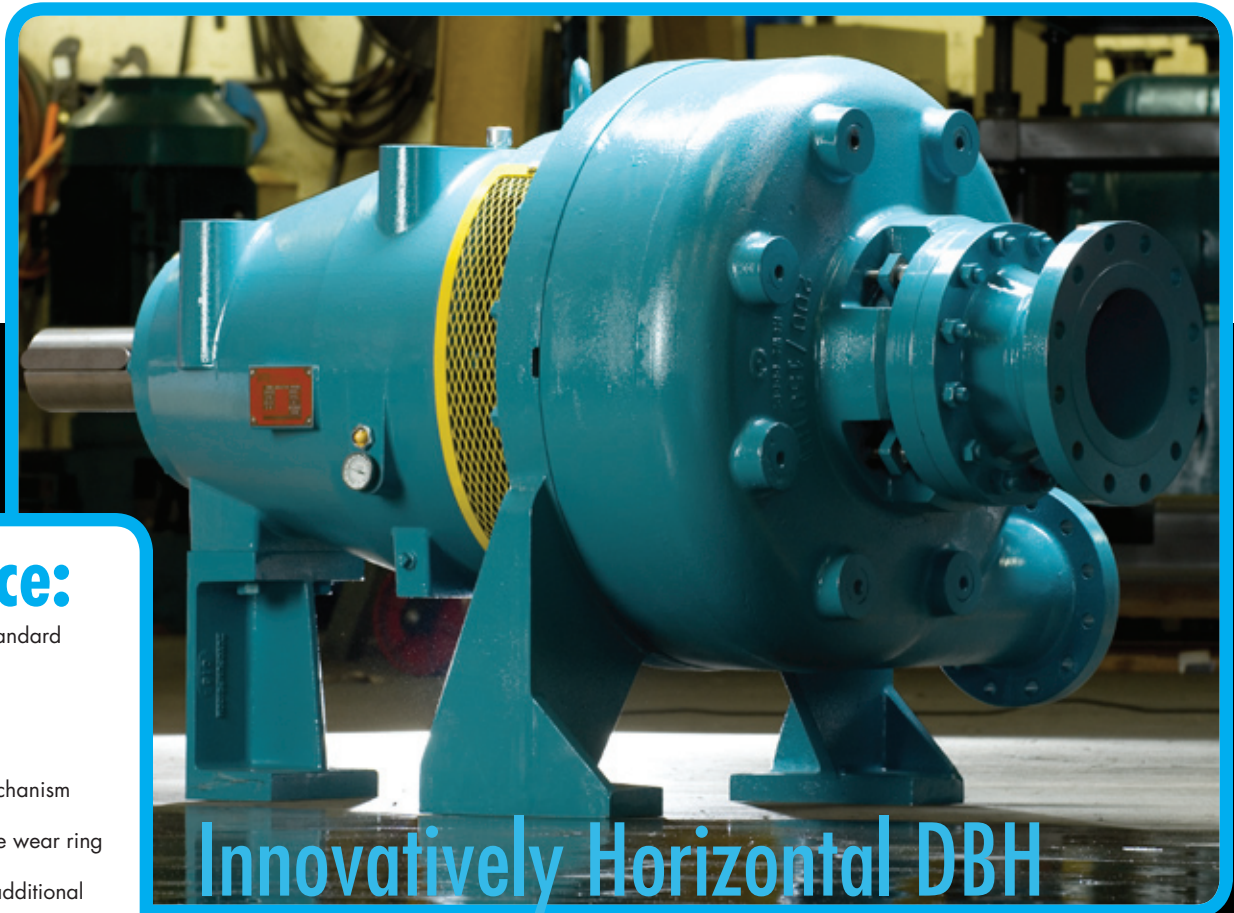
Powerful handling of heavy-duty slurry applications



www.toyopumps.com

Toyo Pumps North America's DBH series is affectionately known around the industry as the 'slurry hog' and for good reason. This pump has been designed with an appetite to digest some of the toughest slurry applications around.

This is a hard wearing, heavy duty, state of the art slurry pump that comes standard in high chrome and CD4 MCU. Designed for optimum efficiency, the DBH features a high efficiency impeller and flow stabilizing vanes on the suction to increase efficiency and reduce turbulence and resulting impeller wear. There are three series available in the DBH line: LH (Low head, averaging about 165 TDH), HH (High Head, averaging about 360 TDH) and MD (Mine dewatering – high head, averaging about 500 TDH). The DBH also features both a front and back pull-out design along with a heavy duty shaft with the added protection of a shaft sleeve that extends from impeller to seal. For ease of service, the DBH provides a patented impeller release mechanism and patented externally adjustable wear ring. Finally, the DBH design allows for the maximum range of sealing options which are easily interchanged on site without special modification. This is an innovative machine.



At a Glance:

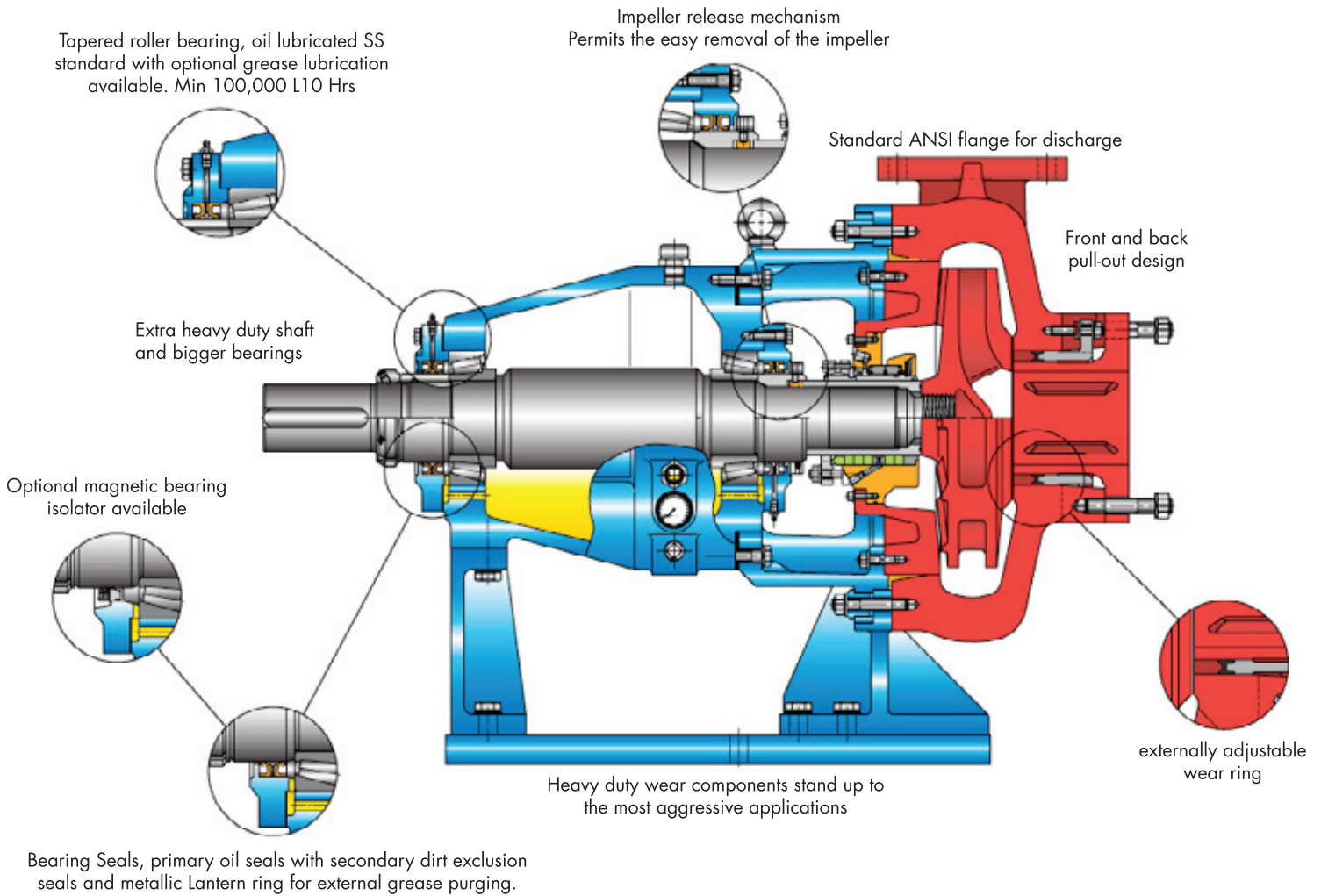
- High Chrome and CD4 as standard
- Capacities to 4500 Usgpm
- Heads up to 570 Ft
- Patented Impeller release mechanism
- Patented externally adjustable wear ring
- Increased wall thickness for additional wear availability
- Increased efficiencies in state of the art slurry pump design
- Front and back pull out design
- Three series available (Low Head -'LH', High Head -'HH' & Mine Dewatering -'MD')

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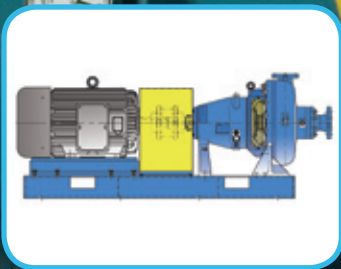


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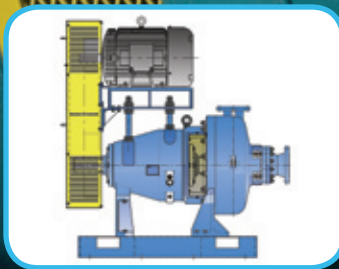
Cross Sectional



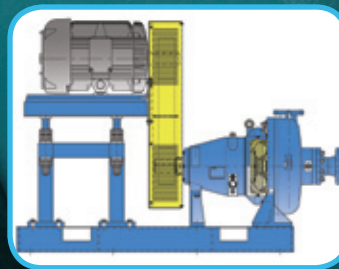
Available Drive Arrangements



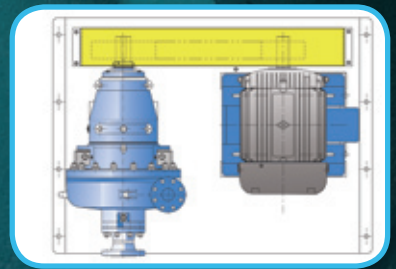
Direct



Overhead



Reverse Overhead



Side by Side

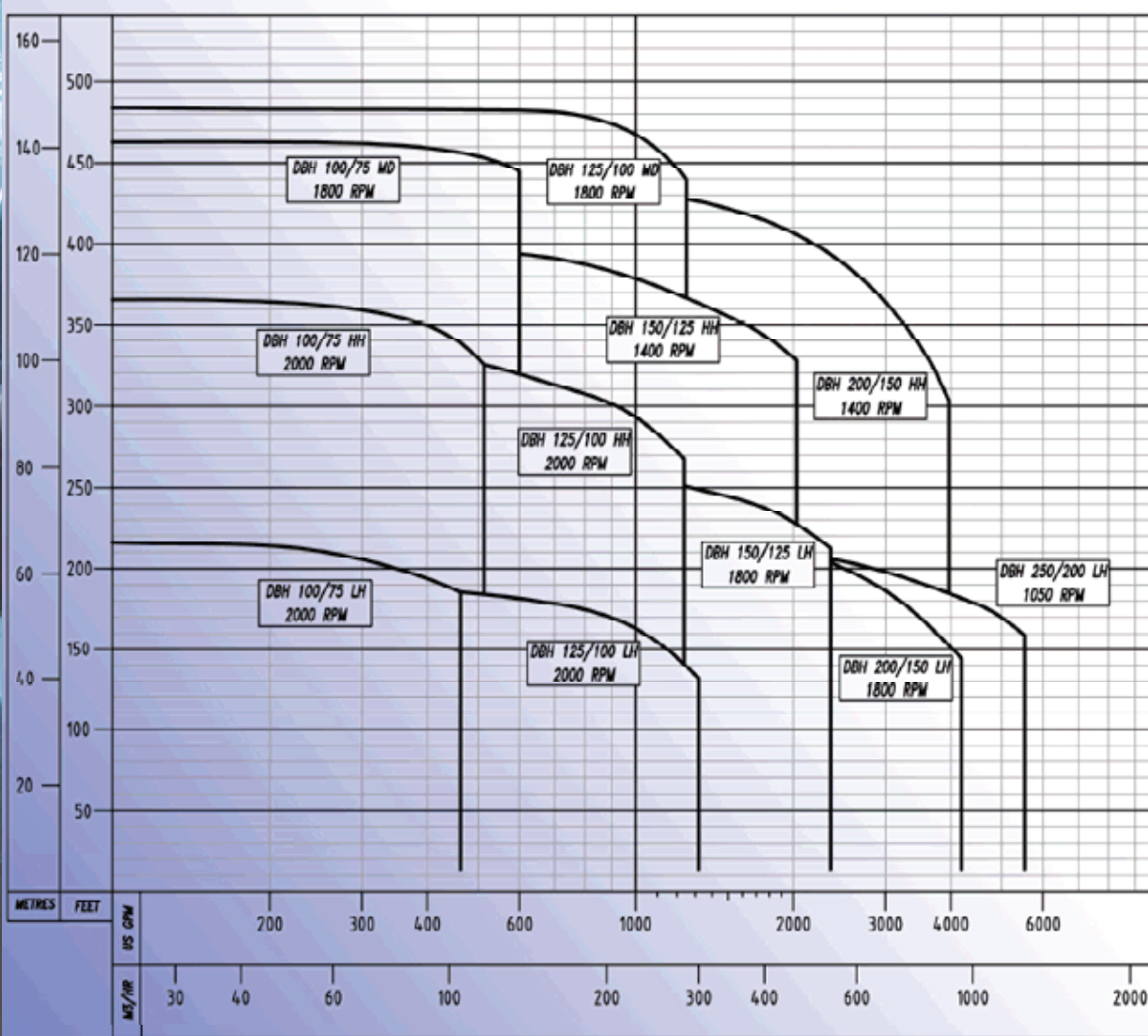


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DBH Curve



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 BURNABY, BRITISH COLUMBIA
 CANADA V5C 6H2
 TEL : (804)298-1215 FAX : (804)298-7775

PUMP MODEL	DBH F300-F600			
CURVE NUMBER	A7732	REV.	0	
CAPACITIES TO:	M3/HR	965 @ BEP		
	U.S. GPM	4250 @ BEP		
HEAD TO:	METRES	137 @ BEP		
	FEET	445 @ BEP		
TPNA MODEL	SUCTION		DISCHARGE	
	MM	IN.	MM	IN.
DBH 100/75 LH	100	4	75	3
DBH 125/100 LH	125	5	100	4
DBH 150/125 LH	150	6	125	5
DBH 200/150 LH	200	8	150	6
DBH 250/200 LH	250	10	200	8
DBH 100/75 HH	100	4	75	3
DBH 125/100 HH	125	5	100	4
DBH 150/125 HH	150	6	125	5
DBH 200/150 HH	200	8	150	6
DBH 100/75 MD	100	4	75	3
DBH 125/100 MD	125	5	100	4
TPNA MODEL	IMPELLER #		MAX. #SOLIDS	
	MM	IN.	MM	IN.
DBH 100/75 LH	300	11.81	27	1.06
DBH 125/100 LH	300	11.81	35	1.38
DBH 150/125 LH	400	15.75	32	1.25
DBH 200/150 LH	400	15.75	45	1.77
DBH 250/200 LH	600	23.6	73	3
DBH 100/75 HH	400	15.75	18	0.63
DBH 125/100 HH	400	15.75	30	1.18
DBH 150/125 HH	600	23.6	38	1.5
DBH 200/150 HH	600	23.6	63.5	2.5
DBH 100/75 MD	500	19.7	16	0.63
DBH 125/100 MD	500	19.7	19	0.75

PERFORMANCE FOR WATER @ 68°F/20°C AND 1.0 S.G. CORRECT FOR OTHER CONDITIONS AND/OR SOLIDS EFFECT



For the most current DBH dimensional information please visit the DBH section of www.toyopumps.com or call your Regional Manager.


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DBH Success Stories

DBH



Four DBH 125/100 MDHM, 250 HP are used in two independent systems (inline configuration) for this mine dewatering application. This arrangement allows for double flow in peak periods. The pumps are reverse overhead motor mounted and have been running successfully for 2 years with no hard metal wear parts required.

DBH



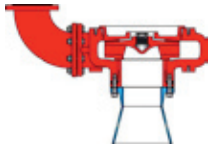
Four DBH 100/75 MDHM, 125HP are used in two independent systems of two in series (side by side configuration) in this mine dewatering application. This arrangement allows for double flow in peak periods. These pumps are motor mounted side by side and have been running successfully for 4 years with no hard metal wear parts used.

DBH

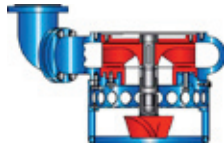
Five DBH 250/200 LHHM, 200 HP pumps installed in the dry scale pit of a large US steel mill, pumping mill scale water successfully for almost 3 years.



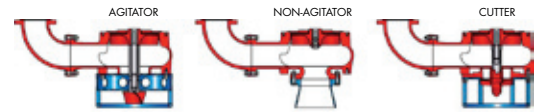
The Toyo Modular Program allows you the flexibility of using the wet ends below on various drive configurations. This advantage of the Toyo Product Line can significantly reduce spare parts inventory to an absolute minimum.



- Heavy solid handling capability
- Closed impeller
- Heavy metal sections for longer wear life
- Increased efficiencies in state of the art slurry pump design



- Heavy solid handling capability
- Closed and semi-open impellers available
- Patented Agitator Option
- Heavy metal sections for longer wear life



- Spiral casing design for increased efficiency and reduced wear
- Fully recessed impeller allows for large solids passage
- Only approx 15% of pumped liquid is in contact with impeller
- Wet end standard in High Chrome and CD4
- Patented Agitator and Chopper options available



HORIZONTAL



SUBMERSIBLE



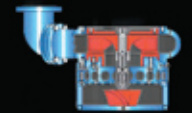
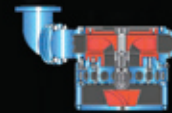
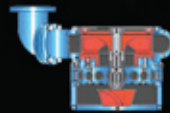
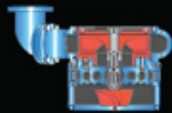
VERTICAL
CANTILEVER



LINE-SHAFT
STANDARD



LINE-SHAFT
'O' SERIES



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For more information please visit
www.toyopumps.com

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