

MINE DEWATERING

This Pump, This High.



PRODUCTIVITY & ECONOMY

Solid Handling Pump
Head up to 200 m
Capacity up to 400 lps
Efficiency BEP up to 85%
Specific Gravity up to 1.4



"Efficiency by Systems"



EASY MAINTENANCE

Pump Health Monitoring Status
Warning and error code log
SAE Direct mounted Pump
Interchangeable parts
Fast Fill services Option



RELIABILITY

Run Dry Option Pump
Cycloseal inside
Double Vacuum Priming Pump



OPERATOR ENVIRONMENT & SAFETY

User friendly control operation
High ground clearance
Easy to moving and Handling
Reliable Hose Suction Jib
Side Step Platform option
Safety system ready





Solid Handling Pump

Run-dry option
All of the pumps in the BA series are designed to run dry for longer periods. The mechanical seal is cooled by an external oil circulation system.



Double Vacuum Pump
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 100 m3 per hour.



Cycloseal®
Cycloseal® design removes solids and abrasive material from the seal area.



SAE Direct Mounted Pump

- Highest efficiency pump
- Never has mis alignment
- Longer bearing life in pump
- Longer seal life in pump
- No Drive coupling issues



Slurry Handling Pump

*Its Feature only exist in Slurry handling Krebs Pump only.

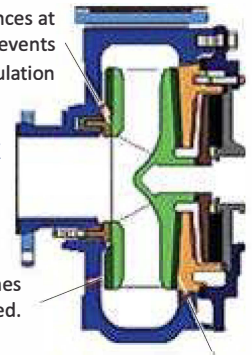
Patented on-line suction side wear clearance adjustment. Permit initial clearance to be maintained throughout the life of pump. It extends life of impellers.

Tight Clearances at the wear ring prevents suction-side rein circulation

millMAX
Hybrid Suction Sealing System

Wide clearances at expelling vanes prevents large solid from being crushed.

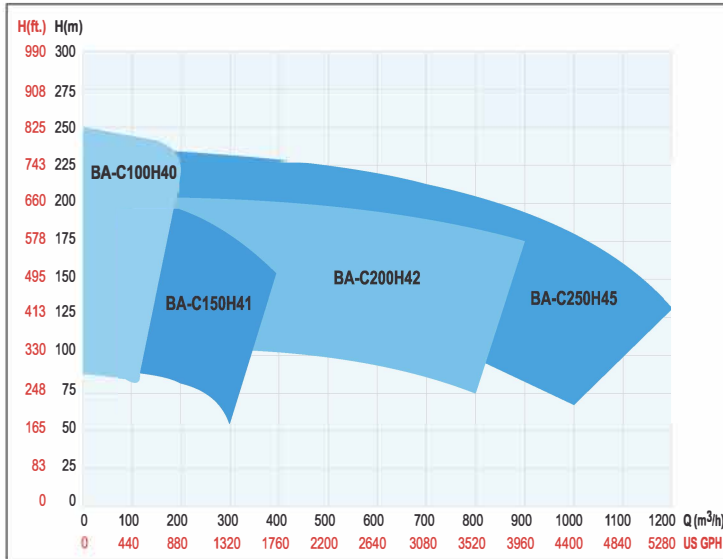
Tight clearances at back liner ensures that shaft sealing system works well





High Pressure Mining Pumps

In mining large quantities of groundwater need to be dealt with on a daily basis. BBA Pump carries a full range of pumps geared towards the specialist needs one encounters in the mining market. With a pressure range exceeding 200 meters of head, made of hard-wearing materials such as GGG70 and offering sufficient solids handling capabilities, this pump range is fully geared to the mining market.



SOLID HANDLING PUMP

Model	Power Drive	Engine Diesel		Duty Point (BEP)		Bareshaft Pump			Fuel Tank Cap
		Type	Horse Power	Flow (lps)	Head (m)	Type	Suction	Discharge	
MD900-250.BCA	MD-900	CAT C32	950	350	180	BA-C250H45	10	8	4000 ltr
MD800-250.BCA	MD-800	CAT C27	875	300	180	BA-C250H45	10	8	4000 ltr
MD800-200.BCA			875	200	180	BA-C200H42	8	6	3000 ltr
MD700-250.BVO	MD-700	VOLVO TAD1643VE	768	350	120	BA-C250H45	10	8	4000 ltr
MD700-200.BVO			768	200	180	BA-C200H42	8	6	3000 ltr
MD600-200.BCA	MD-600	CAT C18	600	200	140	BA-C200H42	8	6	3000 ltr
MD400-200.BCA	MD-400	CAT C13	415	200	120	BA-C200H42	8	6	3000 ltr
MD400-200.BVO			452	200	120	BA-C200H42	8	6	3000 ltr
MD400-150.BVO		VOLVO TAD1343VE	452	200	100	BA-C150H7	6	4	2000 ltr
MD300-150.BCA			CAT C9	300	170	100	BA-C150H7	6	4

SLURRY HANDLING PUMP

Model	Power Drive	Engine Diesel		Duty Point (BEP)		Bareshaft Pump			Fuel Tank Cap
		Type	Horse Power	Flow (lps)	Head (m)	Type	Suction	Discharge	
MD400-250.KCA	MD-400	CAT C13	415	320	70	GM 10x8	10	8	1000 ltr
MD300-200.KCA	MD-300	CAT C9	300	170	70	GM 8x6	8	6	500 ltr



OPERATOR ENVIRONMENT & SAFETY



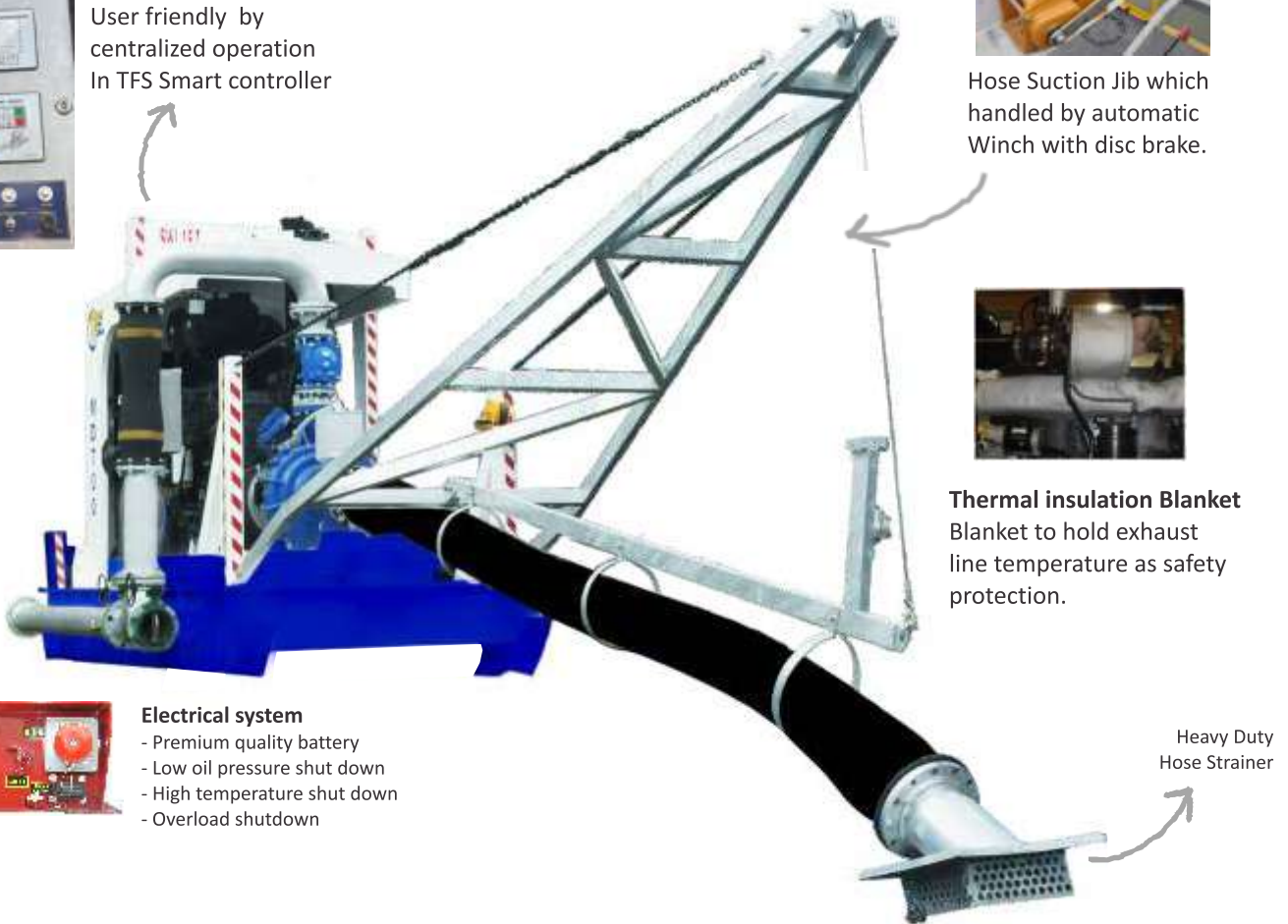
User friendly by
centralized operation
In TFS Smart controller



Hose Suction Jib which
handled by automatic
Winch with disc brake.



Thermal insulation Blanket
Blanket to hold exhaust
line temperature as safety
protection.



Electrical system

- Premium quality battery
- Low oil pressure shut down
- High temperature shut down
- Overload shutdown



Non Return Valve

Safety valve to guard back
pressure from piping in
pumping. Component:
Stainless Steel or Duck
casting material.



TFS Fire Extinguisher

Overall height	: 635 (mm)
Tube diameter	: 160 (mm)
Working	: -20 S / d 60 (Å ° C)
Pressure in the tube	: 15 (Bar)
Test pressure	: 25 (Bar)
Spray time	: 23 (Seconds)
Spraying distance	: 4 S / d 13 (M)
Effective spraying	: 95 (%)
Total weight	: 11.5 (kg)
Fire rating	: 12a 60b

Heavy Duty
Hose Strainer



EASY MAINTENANCE



Coolant Level Switch
To ensure the coolant level in the radiator and protect the engine system from over-heating



Pump SMART
Pump Health Monitoring Status
Warning and error code log



Interchangeable parts
Modular construction to ensure minimal spare part stock levels.



**Engine Oil and coolant
Drain and fill services**
Centralized fast filling to drain and fill Oil and coolant Engine



EQUIPMENT

All These and More.

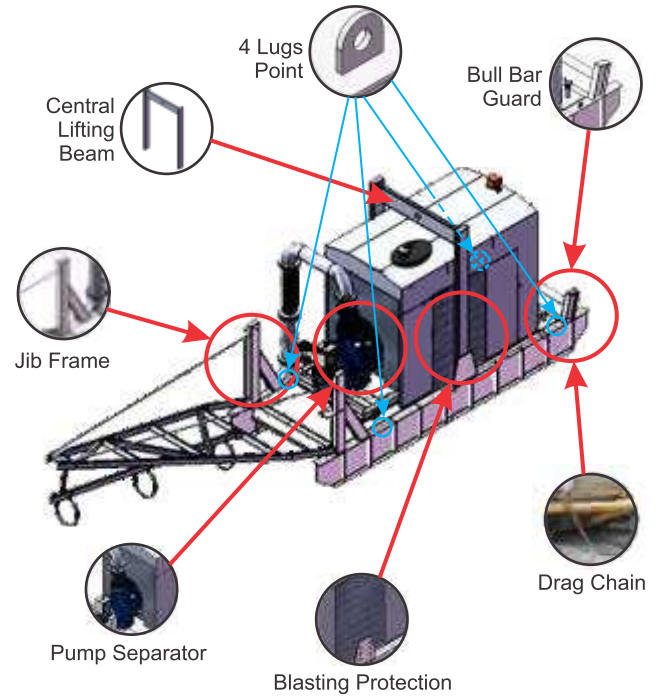
● Pump Package Inclusion

		MD-Solid	MD-Slurry	E Type	
STANDARD INCLUSION	DRIVE LINE	Engine Assy			
		Complete Genuine Engine Assy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Cooling System			
	Central Oil and Coolant Drain and Fill	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Radiator Connection and Fitting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Radiator Mounting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Coolant Level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Exhaust System				
	Muffler	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Exhaust Pipe & Fitting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PUMP LINE	Pump Assy BBA - Krebs <input checked="" type="checkbox"/>				
	Suction Line				
	Suction Coupling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Discharge Line				
	Pipe Line	<input checked="" type="checkbox"/>	SS <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Non Return Valve	<input checked="" type="checkbox"/>	SS <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Drain Valve	<input checked="" type="checkbox"/>	SS <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Washing Valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Discharge Valve	<input checked="" type="checkbox"/>	SS <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	CONTROLLER	Pump Smart			
TFS Smart		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Alert Management		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Temperature Sensors		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Flow Sensor		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pressure and Vacuum Sensors		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Emergency Shutdown		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pump Control					
TFS Control		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Temperature Sensors		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Flow Sensor	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Pressure Sensors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
ELECTRICAL	Battery System				
	Battery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Battery enclosure & System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Electrical System				
	LOTO Box, consist of:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Jump start	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Battery isolation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Lockout Switch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Emergency Shutdown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Lighting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Strobe Light	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
OPTIONAL	Fuel Pre filter				
	Racor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fast Fill Services				
	Fuel Fast Fill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Safety				
	Coolant Level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fire Extinguisher and Bracket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Working Environment				
	Suction jib frame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Discharge Hose and Strainer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Side Steps and Work Platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Drag Chain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Include Exclude Available Optional
 BBA = BBA Pump Krebs = Krebs Pump SS = Stainless Steel Material

● Platform & Canopy

COMPONENT	MD Type	Booster Type	E Type
Platform and Fuel Tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Central Lifting Beam	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bull Bar Guard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drag Chain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4 Lugs Point	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pump Separator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Blasting Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>





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