SP

SUBMERSIBLE PUMPS

RAPID ALLWEILER PUMPS

RABA & RABU

WASTE WATER PUMPS & HIGH HEAD WATER PUMP

RABA

RABU

APPLICATION

- Drainage
- Basement
- Construction Sites
- Lift Well Drainage
- High Pressure Water Supply

RA Pump Range	Minimum Flow (m^3/h)	Maximum Flow (m^3/h)	Minimum Head (m)	Maximum Head (m)	Maximum Temperature
RABA	6	40	2	15	40°C
RABU	6	50	2	40	40°C

DESIGN & CONSTRUCTION

- Designed to handle all applications where flooding has occurred.
- High efficiency impellers and volutes offer good performance.
- Leakage of the pumped media is eliminated by tandem mechanical seals running in an oil bath.
- Silicon carbide mechanical seals are fitted as standard.
- If required pumps can be fitted with moisture detection probes which will isolate the pump in the event of mechanical seal failure.
- The water tight electric motors incorporate heavy duty grease lubricated bearings. The pumps are fitted with over load protection in the form of temperature sensors in the motor windings.
- Available in single or three phase per application. Intergrated float switches are available for single phase units only.

RABA

- Pumps are available from 32mm to 50mm.

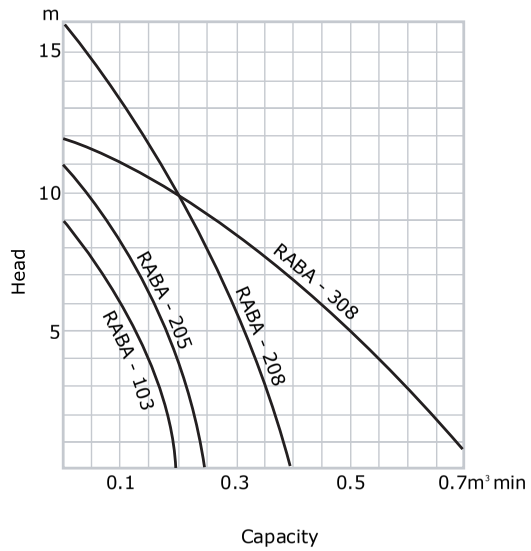
RABU

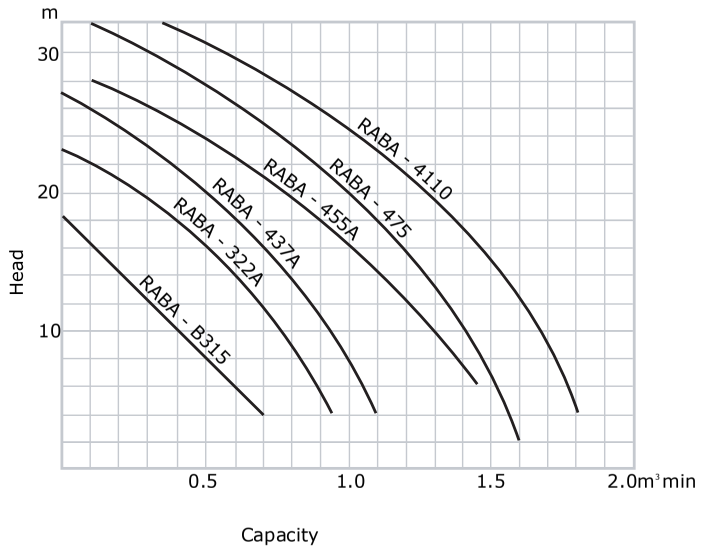
- This range caters for those applications where high heads are to be achieved. The pumps can generate heads up to 40 meter at reasonable flow rates.
- Pumps are available from 25mm to 80mm.

MATERIALS OF CONSTRUCTION

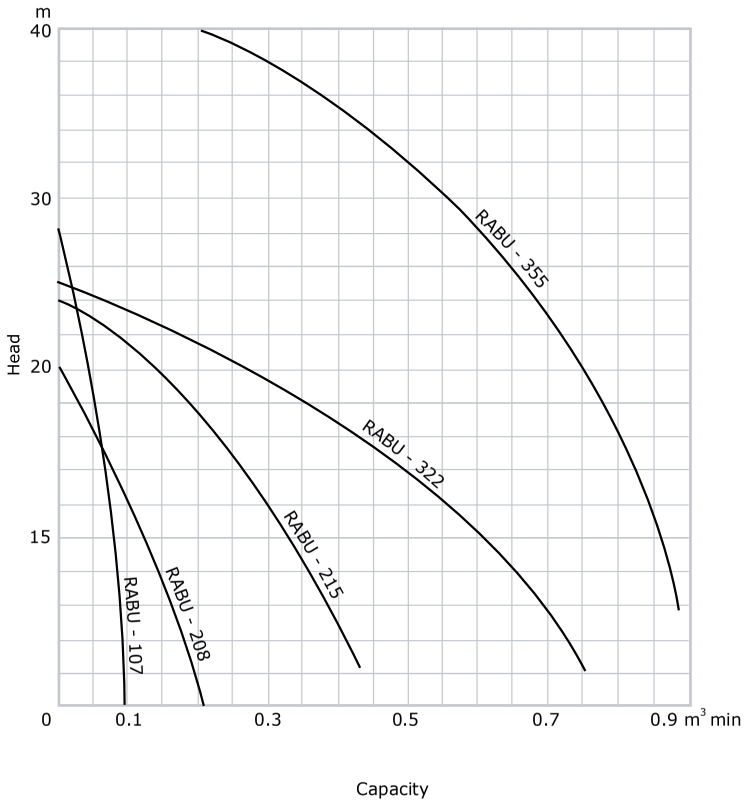
Casing:	Cast Iron
Impeller:	Cast Iron
Shaft:	Stainless Steel
Sealing:	Tandem Mechanical Seal

RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RABA
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm





RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RABU
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm



RABL & RAKL

LARGE AXIAL FLOW PUMP & STAINLESS STEEL AXIAL FLOW PUMP

RABL

RAKL

APPLICATION

- Flood drainage
- Irrigation
- Mine Drainage
- Water Circulation
- Chemical Waste Disposal

RA Pump Range	Minimum Flow (m^3/h)	Maximum Flow (m^3/h)	Minimum Head (m)	Maximum Head (m)	Maximum Temperature
RABL	6	600	1	5	40°C
RAKL	6	60	1	4	40°C

DESIGN & CONSTRUCTION

- Designed to handle all applications where waste water and mine drainage is the application.
- High efficiency impellers and volutes offer good performance.
- Leakage of the pumped media is eliminated by tandem mechanical seals running in an oil bath.
- Silicon carbide mechanical seals are fitted as standard.
- If required pumps can be fitted with moisture detection probes which will isolate the pump in the event of mechanical seal failure.
- The water tight electric motors incorporate heavy duty grease lubricated bearings. The pumps are fitted with over load protection in the form of temperature sensors in the motor windings.
- Pumps are available from 100mm-300mm.

RAKL

- They are manufactured in Stainless Steel for corrosive applications.

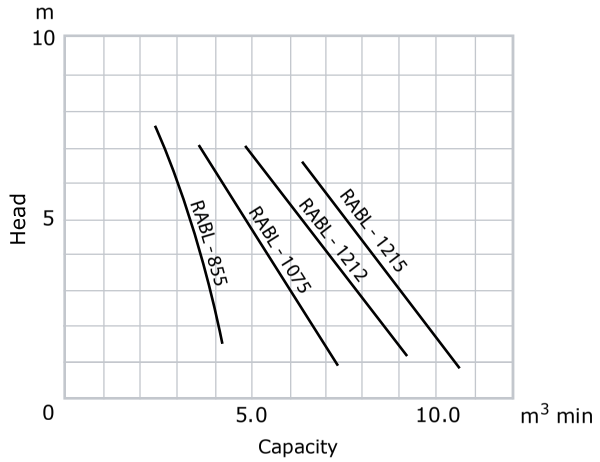
RABL

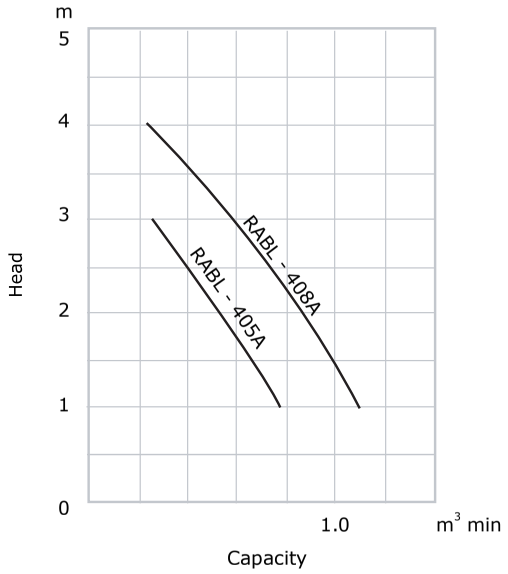
- Capable of handling large flow rates.

MATERIALS OF CONSTRUCTION

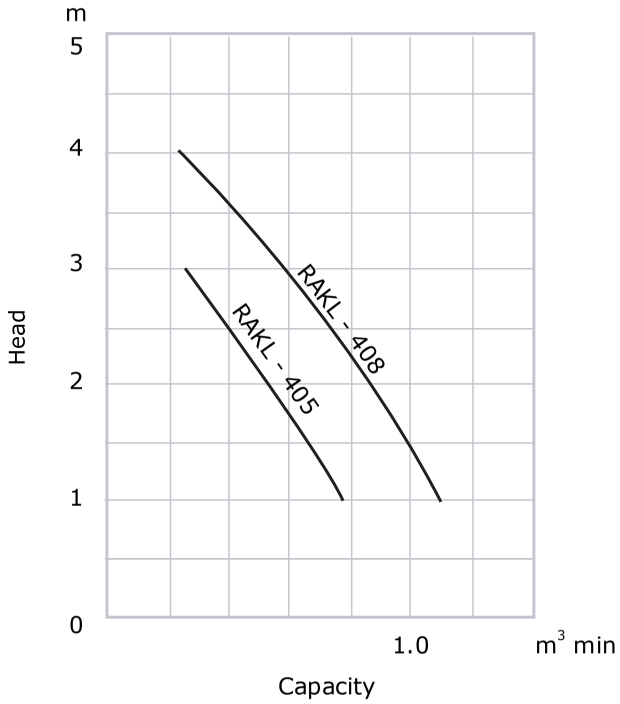
Casing:	Stainless Steel
Impeller:	Stainless Steel
Shaft:	Stainless Steel
Sealing:	Tandem Mechanical Seal

	PERFORMANCE CURVE		RABL
RAPID ALLWEILER PUMPS	Issue Date **September 2012**		
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548		2900rpm





	PERFORMANCE CURVE		RAKL
RAPID ALLWEILER PUMPS	Issue Date **September 2012**		
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548		2900rpm



RAKA & RAKF

WASTE WATER PUMP & SEWAGE PUMP

RAKA *RAKF*

APPLICATION

- Waster Water
- Chemical Transfer
- Laboratory Waste Disposal

RA Pump Range	Minimum Flow (m^3/h)	Maximum Flow (m^3/h)	Minimum Head (m)	Maximum Head (m)	Maximum Temperature
RAKA	6	90	5	40	40°C
RAKF	6	150	4	30	40°C

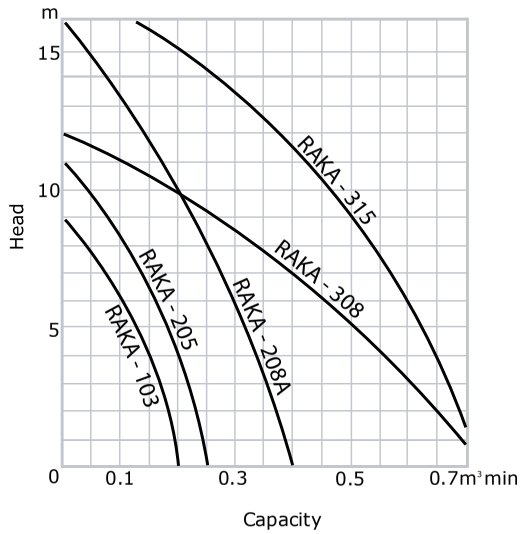
DESIGN & CONSTRUCTION

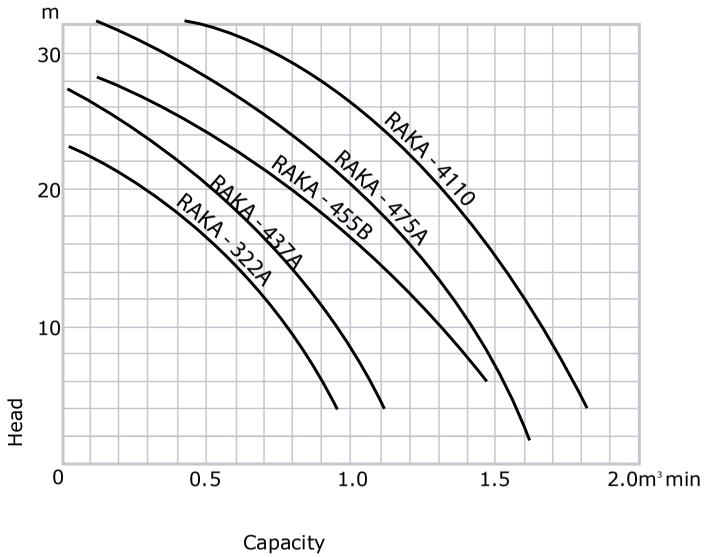
- Designed to handle liquids which are chemically aggressive and contain solids.
- Pumps are manufactured in 316 Stainless Steel for aggressive sewage applications where corrosive liquids may be encountered.
- High efficiency impellers and volutes offer good performance.
- Leakage of the pumped media is eliminated by tandem mechanical seals running in an oil bath.
- Silicon carbide mechanical seals are fitted as standard.
- If required pumps can be fitted with moisture detection probes which will isolate the pump in the event of mechanical seal failure.
- The water tight electric motors incorporate heavy duty grease lubricated bearings. The pumps are fitted with over load protection in the form of temperature sensors in the motor windings.
- Pumps are available from 50mm to 100mm and are fitted with suitable impellers for passing solids.
- The tandem mechanical seals of Silicon are designed to withstand chemical attack which may be present in the liquid.

MATERIALS OF CONSTRUCTION

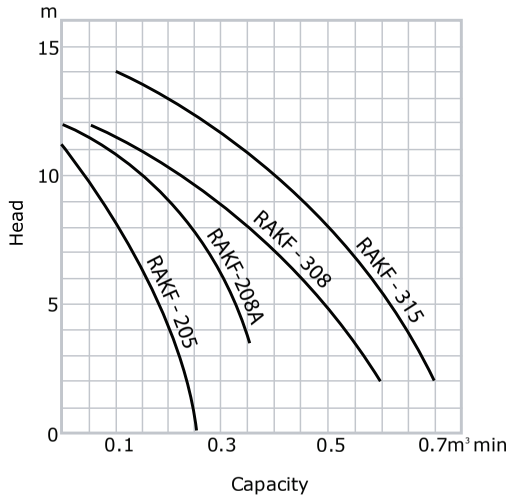
Casing:	Stainless Steel
Impeller:	Stainless Steel
Shaft:	Stainless Steel
Sealing:	Tandem Mechanical Seal

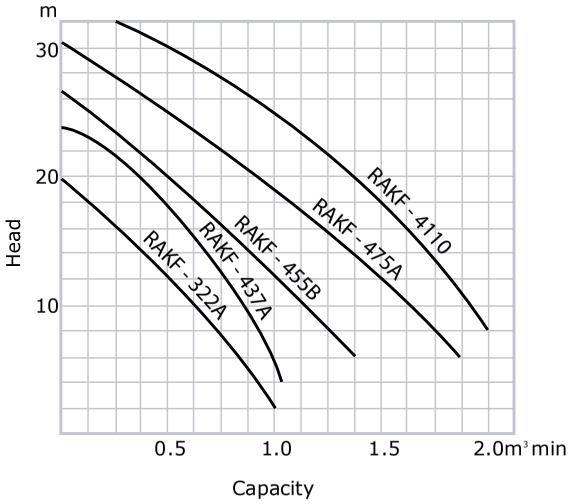
RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RAKA
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm





RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RAKF
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm





RABF & RABFP
SEWAGE PUMP

RABF

RABFP

APPLICATION

- Drainage
- Basement
- Construction Sites
- Lift Well Drainage
- Raw Sewage
- Paper Stock
- Waste Water
- Raw Water In-take

RA Pump Range	Minimum Flow (m^3/h)	Maximum Flow (m^3/h)	Minimum Head (m)	Maximum Head (m)	Maximum Temperature
RABF	6	150	2	30	40˚C
RABFP	15	480	4	30	40˚C

DESIGN & CONSTRUCTION

- Designed to handle all applications where raw sewage is present.
- High efficiency impellers and volutes offer good performance.
- Leakage of the pumped media is eliminated by tandem mechanical seals running in an oil bath.
- Silicon carbide mechanical seals are fitted as standard.
- If required pumps can be fitted with moisture detection probes which will isolate the pump in the event of mechanical seal failure.
- The water tight electric motors incorporate heavy duty grease lubricated bearings. The pumps are fitted with over load protection in the form of temperature sensors in the motor winding.
- The pumps are available with guide rails and duck foot bends.

RABF

- Designed to handle raw unscreened sewage, the pump is fitted with a Vortex recessed type impeller which will allow the free passage of solids up 40 mm.
- Pumps are available from 50mm to 100mm and are fitted with suitable impellers for passing solids.

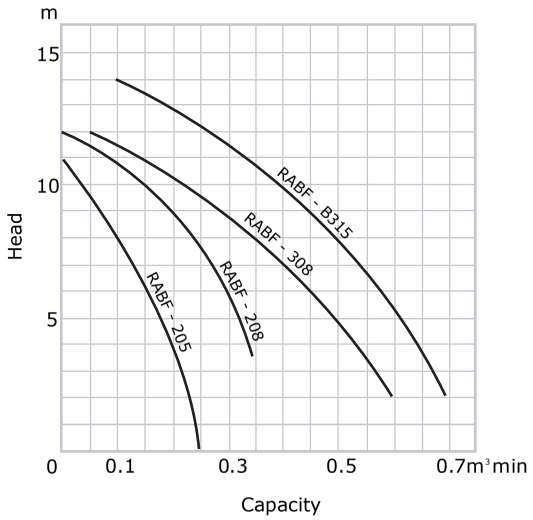
RABFP

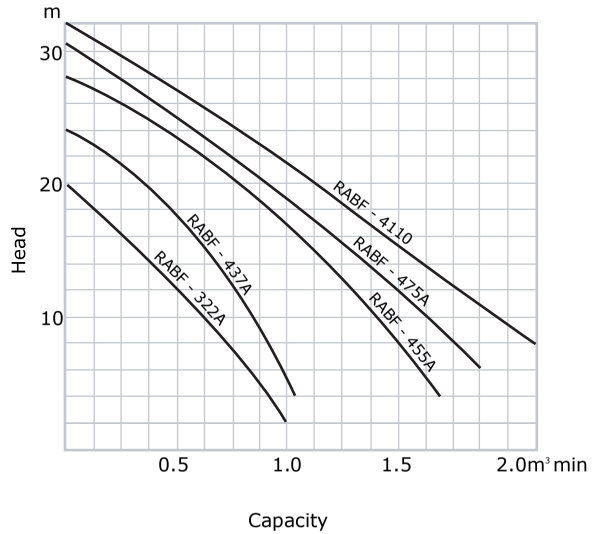
- Designed to handle raw unscreened sewage, the pump is fitted with a Vortex recessed type impeller which will allow the free passage of solids up 76 mm.
- The range caters for pumps from 80mm to 200mm where heads of 30 meter can be achieved.

MATERIALS OF CONSTRUCTION

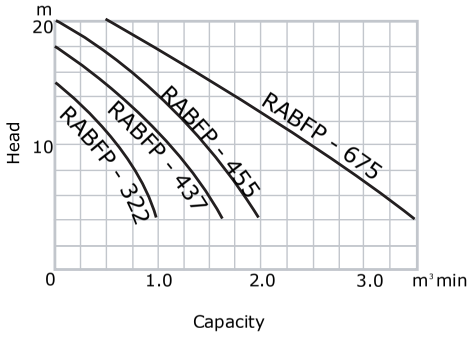
Casing:	Cast Iron
Impeller:	Cast Iron
Shaft:	Stainless Steel
Sealing:	Tandem Mechanical Seal

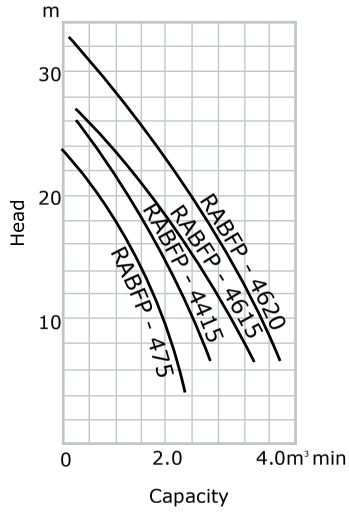
RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RABF
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm

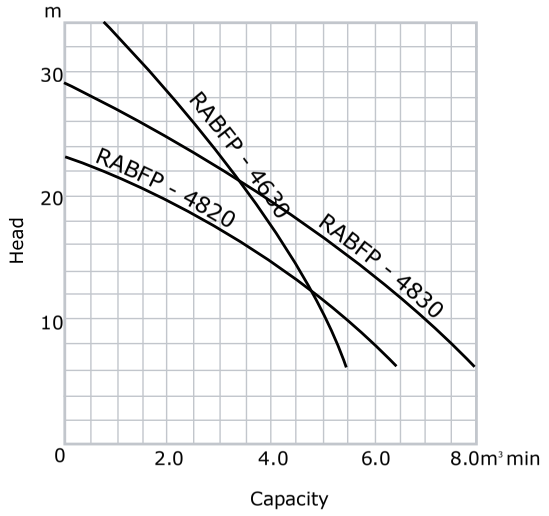




RAPID ALLWEILER PUMPS	PERFORMANCE CURVE			RABFP
	Issue Date **September 2012**			
	Based on water density 1000 kg/m3 and viscosity 1 cSt. Head, capacity and efficiency according to ISO Standard 2548			2900rpm







RABF & RABFP

RABST
SLUDGE PUMP

APPLICATION

- Mine drainage
- Slurry Applications
- Waste Water
- Solid Handling

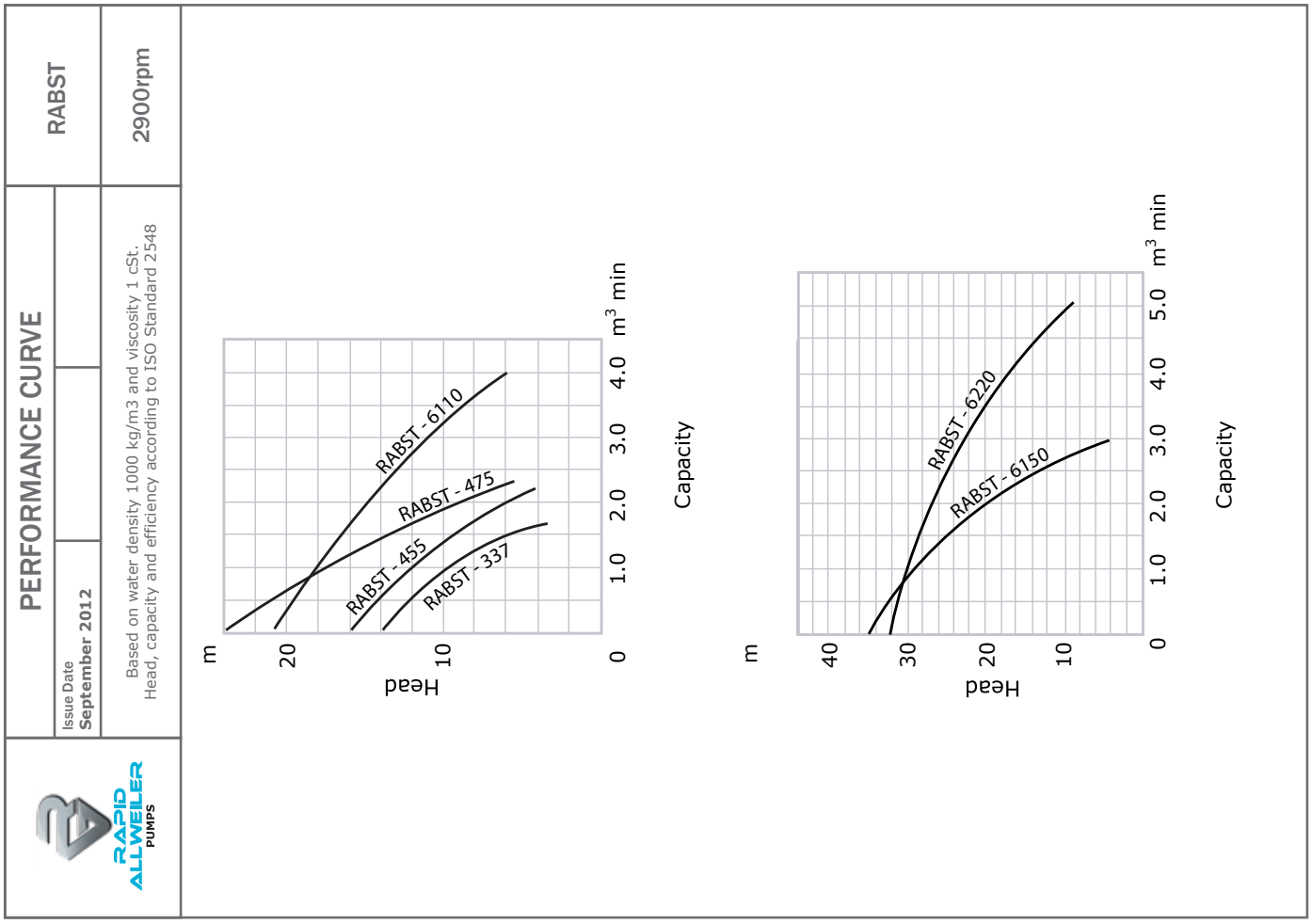
RA Pump Range	Minimum Flow (m^3/h)	Maximum Flow (m^3/h)	Minimum Head (m)	Maximum Head (m)	Maximum Temperature
RABST	30	300	4	30	40˚C

DESIGN & CONSTRUCTION

- Designed to handle all applications especially slurries waste water and mine drainage.
- High efficiency impellers and volutes offer good performance.
- Leakage of the pumped media is eliminated by tandem mechanical seals running in an oil bath.
- Silicon carbide mechanical seals are fitted as standard.
- If required pumps can be fitted with moisture detection probes which will isolate the pump in the event of mechanical seal failure.
- The water tight electric motors incorporate heavy duty grease lubricated bearings. The pumps are fitted with over load protection in the form of temperature sensors in the motor windings.
- The RABST sludge pumps are of the dry type which allows the pump to be operated in applications where the electric motor can be exposed to the elements.
- Therefore to ensure that the motor is protected, cooling of the electric motor is achieved through a cooling water jacket which surrounds the motor.
- The pumps are all equipped with thermal overload protection probes, which will shut the pump down in the event of excessive current being drawn.
- A unique feature is an agitator is fitted to the impeller which ensures that no build up of solids occur at the pump suction which can result in poor performance.
- Pumps are available from 80mm to 150mm.

MATERIALS OF CONSTRUCTION

Casing:	27% Chrome Iron
Impeller:	27% Chrome Iron
Shaft:	Stainless Steel
Sealing:	Tandem Mechanical Seal



RAPID
ALLWEILER
PUMPS

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