

BKEX80R / BKEX140 / BKEX225 BKEX260 / BKEX300 / BKEX340



ADVANCED
SPECIAL
ENGINEERING &
CONSTRUCTION
COMPANY

BAEKKUN Dredging

- Company Introduction
- Certificate & Patent





We treasure the avalue of the Environment and Future

Baekkun Dredging co., Ltd





Company Introduction

Our company has supplied our customers with high technologized dredgers, especially amphibian cutter suction dredger, which has been using for a decade with satisfaction.

Baekkun has many cerificates of patent of amphibian dredgerm and also our products and dredging works are all eco-friendly.

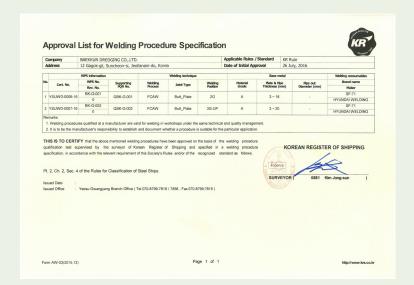
Furthermore our company promise to do our best to probide the high-tech & high quality products and experienced fod several decades.

Thank you.





Certificate & Patent

















ADVANCED SPECIAL ENGINEERING & CONSTRUCTION COMPANY

BAEKKUN Dredging

- Baekkun amphibious
 - Customized features(amphibious option)
 - Reliability
 - Technical specification
 - Dimensions & working range
 - hydrauclic cutter pump specification



BAEKKUN AMPHIBIOUS

ONE-STOP SHOP

One place for complete solutions : (carrier + application + parts + service)

ENGINEERING APPROVED

Optimized for Wheel loader equipment high efficiency and performance, resulting in lower running and maintenance cost.

SERVICE

Broad coverage via the Doosan service network, fully supported by Wheel loader product specialists.

WARRANTY

Avoid compatibility issues and operating differences from using Non-approved application.

QUALITY

Products manufactured to highest standards.

PLUG & PLAY READINESS

Easy to install and operate



BAEKKUN AMPHIBIOUS

Baekkun Amphibious is designed to enhance mobility in marshes, swampy area and soft terrain with floating pontoons. Baekkun also offer Super Long reach front kit for more deep and far digging. Using AU kit and SLR kit together, it maximizes versatility of Baekkun excavator.

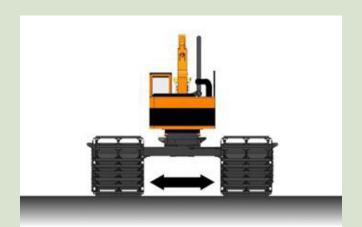
BKEX80R BKEX140 BKEX225 BKEX260 BKEX300 BKEX340

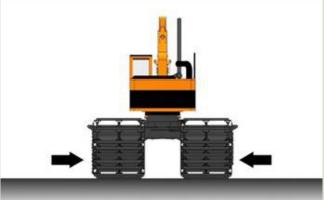


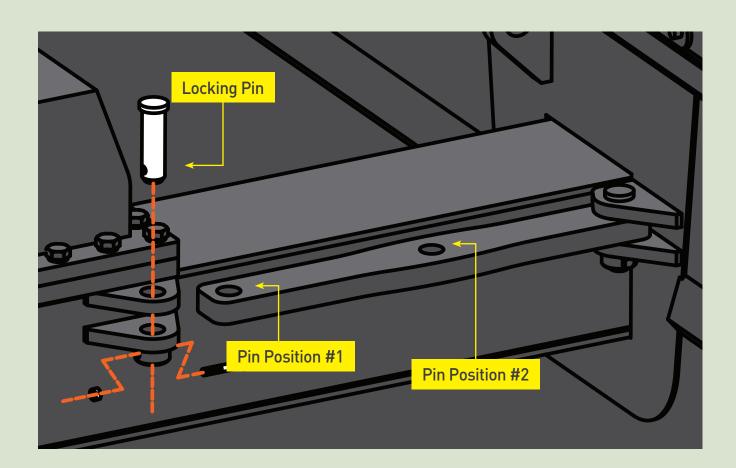


AMPHIBIOUS OPTION

Non Hydraulic Extendable Amphibious (Standard):
 For non hydraulic extendable design, there are 2 separate locking pin positions for each ponto on on the horizontal mounting beams, Users can choose their desired overall track width during the installation process



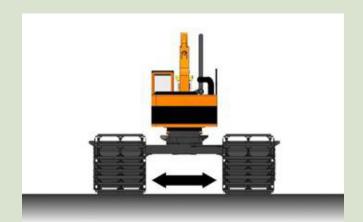


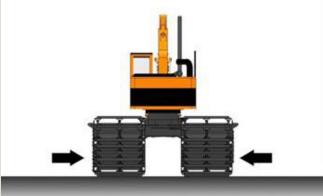


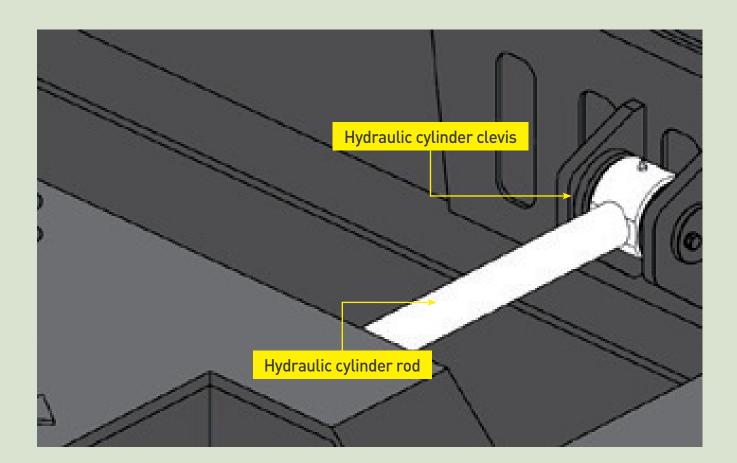
AMPHIBIOUS OPTION

- Hydraulic Extendable Amphibious & Retractable Pontoons (Optional):

Extension and retraction of pontoons "on the fly" (model dependent), When fully extended, it offers the extra stability needed when situation calls for Fully retracted provide the flexibility of narrow track width when needs arises.

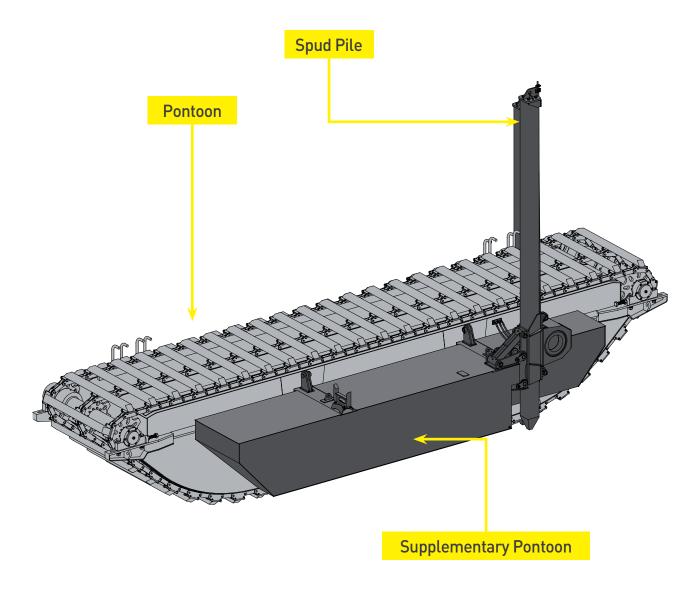






AMPHIBIOUS OPTION

SUPPLEMENTARY PONTOONS AND SPUDS (OPTIONAL)



- · Supplementary pontoons can be added on each side to boost stability in deeper water operation.
- · Spud piles attach to supplementary pontoons help to overcome buoyancy effect, it offers added stability and enhanced operability.
- · Pontoons are designed and built with provision for future addition of supplementary pontoon and spud system.
- · Future proof in design.

• AMPHIBIOUS OPTION

SUPPLEMENTARY PONTOONS AND SPUDS (OPTIONAL)

SLR kit is designed for using in drainage canal construction and preservation and Light duty excavation at long distance



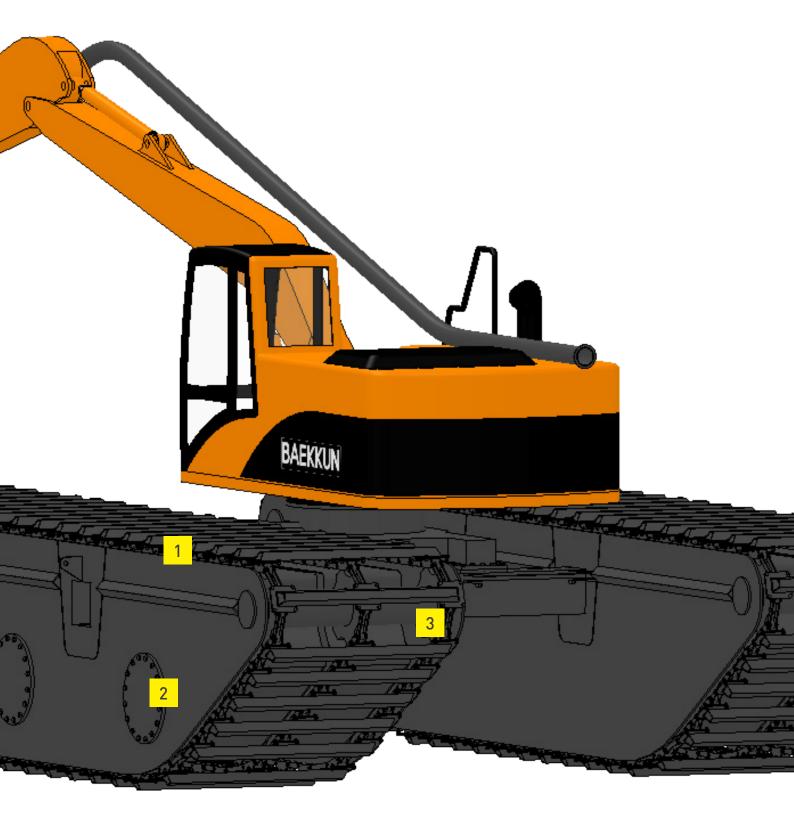




RELIABILITY

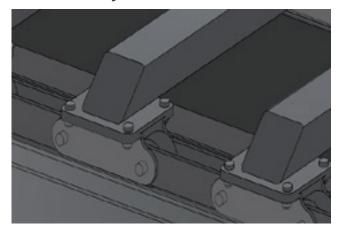
• AMPHIBIOUS OPTION

SUPPLEMENTARY PONTOONS AND SPUDS (OPTIONAL)



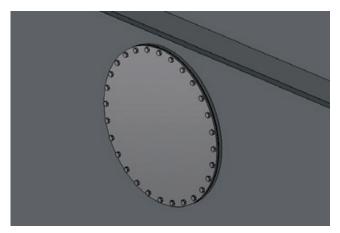
RELIABILITY

1 Track System



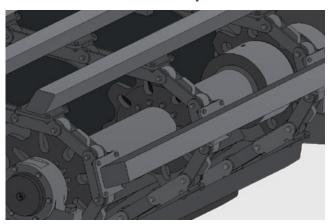
The track system (shoe, chain, roller, pin and bushing) is extremely controlled tight tolerance. The track shoe supported by multiple stands of track chains provided the advantage of uniform pulling force and superior weight distribution across each track shoe. The shape of shoe is optimized to generate the powerful thrust force under water and driving force on the ground also.

② Manhole



Regular inspection and maintenance is very easy because of manholes side pontoon. Manhole is designed most suitable position to check inside of pontoon and the size of manhole is big enough to come in and out for a operator.

③ Axle drum and Sprocket



Non weld-on sprocket design which precisely machined and bolted onto axial ensures a perfect alignment of each sprocket across the axial, a critical criterion for the longevity of the track chain.

Beakkun amphibious excavator has one of strong point compare to competitor. Travel motors are mounted on front and rear of each pontoon. It means total 4 travel motors are equipped per machine.

• BKEX80R

Engine

Model

4TNV98-ZWDB8

Number of cylinders

4

Rated horse power

39.9kW(54.2PS, 53.5HP) @2,000rpm(SAE1349, net)

Max torque

23.7kgf.m @1,300pm

Piston displacement

3.319cc

Bore & Stroke

Ø98 x 110 mm

Starter

12V / 3.0kW

Batteries

1 x 12V / 100Ah

Alternator

12V / 60A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

Single variable displacement axial piston pump with tandem gear pump. 10 spool main control valve of sandwich construction. This original design enables both independent and combined operations of all functions. Pilot joystick and pedal control type operation.

Main pumps

Variable displacement axial piston pump -Max flow: 144l / min (38US gpm, 31.7lmp gpm)

Pilot pump

Gear pump

-Max flow: 22l / min (5.81US gpm, 4.84lmp gpm)

Maximum system pressure

Boom / Arm / Bucket: 300kgf/cm² (294bar)

Travel: 280kgf/cm² (275bar) Swing: 220kgf/cm² (215bar)

Hydraulic Cylinders

High-strength piston rods and tubes are used. A cylinder cushion mechanism is provided for boom and arm cylinders to assure shock-free operation

extend the life of cylinders.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke			
Boom	1	115 x 70 x 775mm			
Arm	1	100 x 65 x 846mm			
Bucket(STD Front)	1	85 x 55 x 690mm			

• BKEX80R

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is single-row, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant. Swing parking brake is spring-set, hydraulic-released disc type.

Max swing torque

1,680kgf.m

Max swing speed

9.6rpm

Rear swing radius

1,300mm

Drive

Each track is driven by an independent, high-torque, axial piston motor through planetary reduction gears. Two levers of foot pedal control provide smooth travel or counter-rotation upon demand.

Travel speed (fast / slow)

- On the ground : 2.0 / 1.5km/h (1.2 / 0.9mph)
- In the water : 2.5 / 2.0 km/h (1.6 / 1.2 mph)

Maximum traction force (fast / slow)

- On the ground: 2.7 / 5.2ton (5,800 / 11,500lbf)

Maximum grade

- On the ground : 30° (58%)

Refill Capacities

Fuel tank

115l

Cooling system (Radiator capacity)

10l

Engine oil

11.6l

Swing drive

21

Final drive (each)

1.2l

Hydraulic system

1271

Hydraulic tank

731

BKEX140

Engine

Model

"Common Rail" engine with direct fuel injection and electronic control, 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase III. (Tier II)

Number of cylinders

6

Rated horse power

71kW(97PS, 95HP) @1,850rpm(SAE1349, net)

Max torque

44.5kgf.m @1,400rpm

Piston displacement

5.890cc

Bore & Stroke

Ø100 x 125 mm

Starter

24V / 4.5kW

Batteries

2 x 12V / 100Ah

Alternator

24V / 60A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

The BKEX e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- · Cross-sensing pump system for fuel savings.
- · Auto deceleration system.
- · Two operating modes, two power modes.
- · Button control of flow in auxiliary equipment circuits.
- · Computer-aided pump power control.

Main pumps

2 variable displacement axial piston pumps

-Max flow : 2 x 144l / min

(2 x 30.1US gpm, 2 x 25.1 lmp gpm)

Pilot pump

Gear pump

-Max flow: 27.8l / min (7.3US gpm, 6.1lmp gpm)

Maximum system pressure

Boom / Arm / Bucket:

- Normal mode : 330kgf/cm² (324bar) - Power mode : 350kgf/cm² (343bar)

Travel: 330kgf/cm² (324bar) Swing: 245kgf/cm² (240bar)

Hydraulic Cylinders

The piston rods and cylinder bodies are made of highstrength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke		
Boom	2	110 x 75 x 1,085mm		
Arm	1	115 x 80 x 1,108mm		
Bucket(STD Front)	1	100 x 70 x 900mm		
Bucket(SLR Front)	1	85 x 55 x 690mm		

• BKEX140

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

- · An axial piston motor with two-stage planetary reduction gear is used for the swing.
- · Increased swing torque reduces swing time.
- · Internal induction-hardened gear.
- · Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and released hydraulically.

Max swing torque

3,380kgf.m

Max swing speed

10.7rpm

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground : 3.5 / 3.0km/h (2.2 / 1.9mph) - In the water : 4.0 / 3.5km/h (2.5 / 2.2mph)

Maximum traction force (fast / slow)

- On the ground: 5.9 / 6.5ton (13,000 / 14,200lbf)

Maximum grade

- On the ground : 35° (70%)

Refill Capacities

Fuel tank

267l

Cooling system (Radiator capacity)

20l

Engine oil

25l

Swing drive

3.81

Final drive (each)

31

Hydraulic system

148l

Hydraulic tank

991

BKEX225

Engine

Model

4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase II

Number of cylinders

6

Rated horse power

110kW (150PS, 148HP) @1,900rpm (SAE1349, net)

Max torque

61.5kgf.m @ 1,400rpm

Piston displacement

5.785cc

Bore & Stroke

Ø102 x 118 mm

Starter

24V / 4.5kW

Batteries

2 x 12V / 100Ah

Alternator

24V / 60A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- · Cross-sensing pump system for fuel savings.
- · Auto deceleration system.
- · Two operating modes, two power modes.
- · Button control of flow in auxiliary equipment circuits.
- · Computer-aided pump power control.

Main pumps

2 variable displacement axial piston pump

-Max flow: 2 x 206.5l/min

(2 x 54.6US gpm, 2 x 45.4lmp gpm)

Pilot pump

Gear pump

-Max flow: 28.5l/min (7.5US gpm, 6.3lmp gpm)

Maximum system pressure

Boom / Arm / Bucket:

Normal mode : 330kgf/cm² (324bar)Power mode : 350kgf/cm² (343bar)

Travel : 330kgf/cm² (324bar) Swing : 270kgf/cm² (265bar)

Hydraulic Cylinders

The piston rods and cylinder bodies are made of highstrength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke		
Boom	2	125 x 85 x 1,260mm		
Arm	1	140 x 100 x 1,450mm		
Bucket(STD Front)	1	120 x 80 x 1,060mm		
Bucket(SLR Front)	1	100 x 70 x 900mm		

• BKEX225

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

- · An axial piston motor with two-stage planetary reduction gear is used for the swing.
- · Increased swing torque reduces swing time.
- · Internal induction-hardened gear.
- · Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and released hydraulically.

Max swing torque 6,477kgf.m

Max swing speed 11.0rpm

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground : 3.0 / 2.5km/h (1.9 / 1.6mph)
- In the water: 3.5/3.0km/h (2.2/1.9mph)

Maximum traction force (fast / slow)

- On the ground: 4.7 / 7.6ton (10,400 / 16,700lbf)

Maximum grade

- On the ground : 40° (84%)

Refill Capacities

Fuel tank

400l

Cooling system (Radiator capacity)

24l

Engine oil

27

Swing drive

5

Final drive (each)

3.31

Hydraulic system

วรุ้บเ

Hydraulic tank

240l

• BKEX260

Engine

Model

Mechanical engine with direct fuel injection 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase II

Number of cylinders

6

Rated horse power

136kW (185PS, 183HP) @1,900rpm (SAE1349, net)

Max torque

85kgf.m @ 1,400rpm

Piston displacement

8.071cc

Bore & Stroke

Ø111 x 139 mm

Starter

24V / 6.0kW

Batteries

2 x 12V / 150Ah

Alternator

24V / 60A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

The BKEX e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- · The hydraulic system enables independent or combined operations.
- · Cross-sensing pump system for fuel savings.
- · Auto deceleration system.
- · Button control of flow in auxiliary equipment circuits.
- · Computer-aided pump power control.

Main pumps

2 Swash plate axial piston pumps

- Max flow: 2 x 230l/min (2 x 60.8US gpm, 2 x 50.6lmp gpm)

Pilot pump

Gear pump

-Max flow: 27l/min (7.1US gpm, 5.9lmp gpm)

Maximum system pressure

Boom / Arm / Bucket:

- Normal mode : 330kgf/cm² (324bar) - Power mode : 350kgf/cm² (343bar) Travel : 365kgf/cm² (358bar)

Swing: 275kgf/cm² (270bar)

Hydraulic Cylinders

The piston rods and cylinder bodies are made of highstrength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke		
Boom	2	130 x 90 x 1,355mm		
Arm	1	140 x 100 x 1,705mm		
Bucket(STD Front)	1	130 x 90 x 1,080mm		

• BKEX260

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

- · An axial piston motor with two-stage planetary reduction gear is used for the swing.
- · Increased swing torque reduces swing time.
- · Internal induction-hardened gear.
- · Internal gear and pinion immersed in lubricant bath.
- The swing brake for parking is activated by spring and released hydraulically.

Max swing torque

9,860kgf.m

Max swing speed

10.4rpm

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground : 3.0 / 2.5km/h (1.9 / 1.6mph)
- In the water: 3.5/3.0km/h (2.2/1.9mph)

Maximum traction force (fast / slow)

- On the ground: 7.6 / 12.6ton (16,800 / 27,900lbf)

Maximum grade

- On the ground : 40° (84%)

Refill Capacities

Fuel tank

420l

Cooling system (Radiator capacity)

25l

Engine oil

24l

Swing drive

5

Final drive (each)

4

Hydraulic system

2801

Hydraulic tank

240l

BKEX300

Engine

Model

Mechanical engine with direct fuel injection 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase II

Number of cylinders

6

Rated horse power

147kW (200PS, 197HP) @1,900rpm (SAE1349, net)

Max torque

86kgf.m @ 1,300pm

Piston displacement

8.071cc

Bore & Stroke

Ø111 x 139 mm

Starter

24V / 6.0kW

Batteries

2 x 12V / 150Ah

Alternator

12V / 50A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

The BKEX e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- The hydraulic system enables independent or combined operations.
- · Two travel speeds offer either increased torque or high speed tracking.
- · Cross-sensing pump system for fuel savings.
- · Auto deceleration system.
- · Two operating modes, two power modes.
- · Button control of flow in auxiliary equipment circuits.
- · Computer-aided pump power control.

Main pumps

Tandem axial piston pumps

- Max flow : 2 x 247l/min

(2 x 65.3US gpm, 2 x 54.3lmp gpm)

Pilot pump

Gear pump

-Max flow: 28.5l/min (7.5US gpm, 6.3lmp gpm)

Maximum system pressure

Boom / Arm / Bucket:

Normal mode : 330kgf/cm² (324bar)Power mode : 350kgf/cm² (343bar)

Travel: 330kgf/cm² (324bar) Swing: 275kgf/cm² (270bar)

Hydraulic Cylinders

The piston rods and cylinder bodies are made of highstrength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke		
Boom	2	140 x 95 x 1,440mm		
Arm	1	150 x 105 x 1,755mm		
Bucket(STD Front)	1	140 x 90 x 1,150mm		

• BKEX300

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is single row, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant.

Max swing torque

10,363kgf.m

Max swing speed 9.9pm

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground : 3.0 / 2.5km/h (1.9 / 1.6mph)
- In the water: 3.5/3.0km/h (2.2/1.9mph)

Maximum traction force (fast / slow)

- On the ground: 7.1 / 11.4ton (15,600 / 25,000lbf)

Maximum grade

- On the ground : 40° (84%)

Refill Capacities

Fuel tank

500l

Cooling system (Radiator capacity)

351

Engine oil

31.5โ

Swing drive

6l

Final drive (each)

7l

Hydraulic system

3101

Hydraulic tank

2801

• BKEX340

Engine

Model

4-Cycle Air-To-Air Intercooler In-line Water-Cooled, Direct Injection, Tier II

Number of cylinders

6

Rated horse power

185kW (252PS, 247HP) @1,800rpm (SAE1349, net)

Max torque

114kgf.m @ 1,400rpm

Piston displacement

11.051cc

Bore & Stroke

Ø123 x 155 mm

Starter

24V / 6.0kW

Batteries

2 x 12V / 150Ah

Alternator

12V / 50A

Air cleaner

Double element with auto dust evacuation

Hydraulic System

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption.

The BKEX e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- · The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- · Cross-sensing pump system for fuel savings.
- · Auto deceleration system.
- · Two operating modes, two power modes.
- · Button control of flow in auxiliary equipment circuits.
- · Computer-aided pump power control.

Main pumps

Parallel bent axis piston pumps

- Max flow: 2 x 274l/min (2 x 72.4US gpm, 2 x 60.3lmp gpm)

Pilot pump

Gear pump

-Max flow: 22.5l/min (5.9US gpm, 4.9lmp gpm)

Maximum system pressure

Boom / Arm / Bucket:

Normal mode : 330kgf/cm² (324bar)Power mode : 350kgf/cm² (343bar)

Travel : 330kgf/cm² (329bar) Swing : 275kgf/cm² (270bar)

Hydraulic Cylinders

The piston rods and cylinder bodies are made of highstrength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

Cylinders	Quantity	Bore diameter x Rod diameter x Stroke		
Boom	2	150 x 100 x 1,430mm		
Arm	1	170 x 120 x 1,805mm		
Bucket(STD Front)	1	150 x 100 x 1,300mm		

• BKEX340

Pontoon Undercarriage system

The pontoon undercarriage system is designed to be able to float on water as an added safety feature. It has 3 watertight compartments, hermetically sealed with individual manholes for easy access from the outside for inspection and preventive maintenance.

Swing Mechanism

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is single row, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant.

Max swing torque

11,660kgf.m

Max swing speed

8.9 rpm

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground : 3.0 / 2.5km/h (1.9 / 1.6mph)
- In the water: 3.5/3.0km/h (2.2/1.9mph)

Maximum traction force (fast / slow)

- On the ground: 11.4 / 19.0ton (25,200 / 41,800lbf)

Maximum grade

- On the ground : 40° (84%)

Refill Capacities

Fuel tank

550l

Cooling system (Radiator capacity)

341

Engine oil

28l

Swing drive

6l

Final drive (each)

5.5

Hydraulic system

4401

Hydraulic tank

3801

• BKEX340

Drive

Each track is driven by an independent axial piston motor through a planetary reduction gearbox. Two levers with control pedals guarantee smooth travel with counterrotation on demand.

Travel speed (fast / slow)

- On the ground: 3.0 / 2.5km/h (1.9 / 1.6mph)

- In the water : 3.5 / 3.0 km/h (2.2 / 1.9 mph)

Maximum traction force (fast / slow)

- On the ground: 11.4 / 19.0ton (25,200 / 41,800lbf)

Maximum grade

- On the ground : 40° (84%)

Refill Capacities

Fuel tank

550l

Cooling system (Radiator capacity)

34l

Engine oil

28l

Swing drive

6l

Final drive (each)

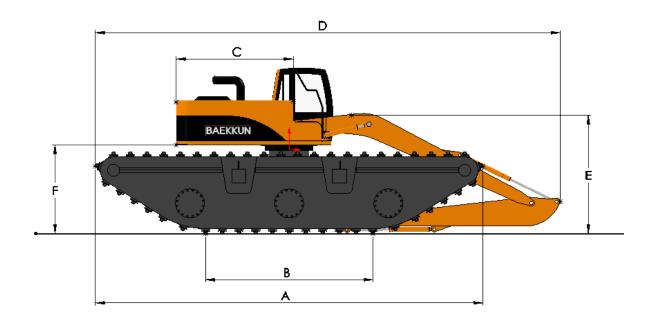
5.5l

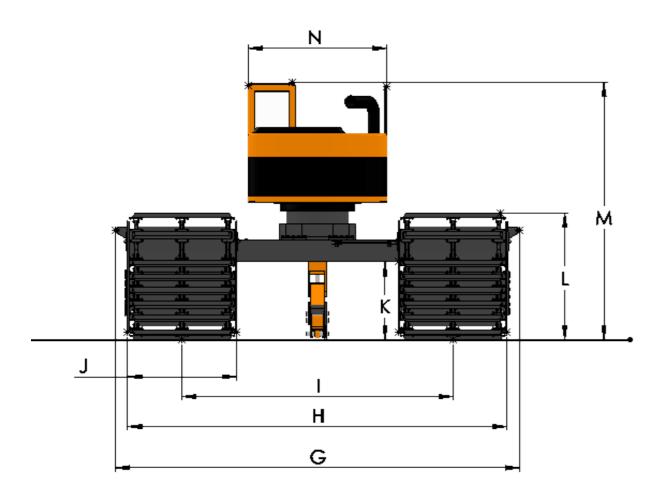
Hydraulic system

440l

Hydraulic tank

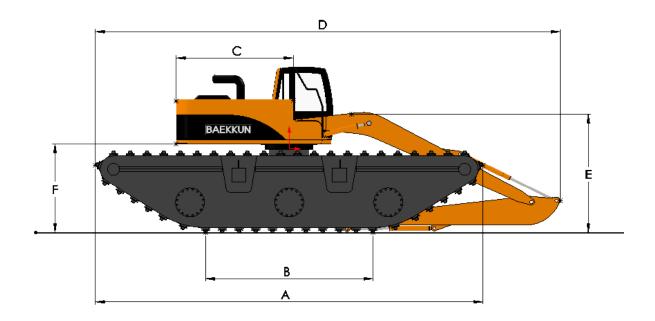
3801

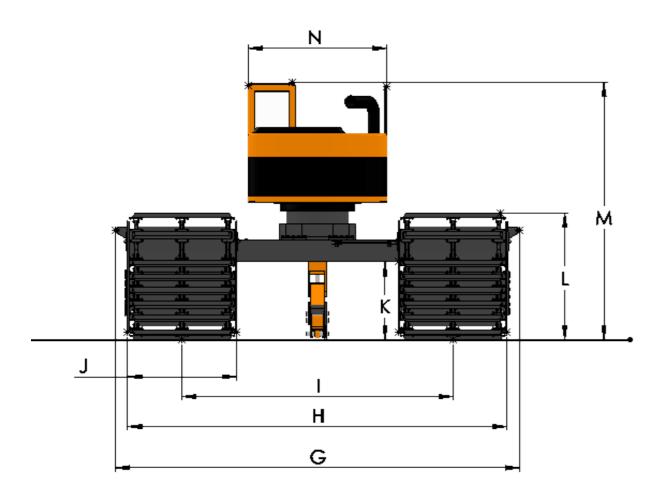




• With STD Front

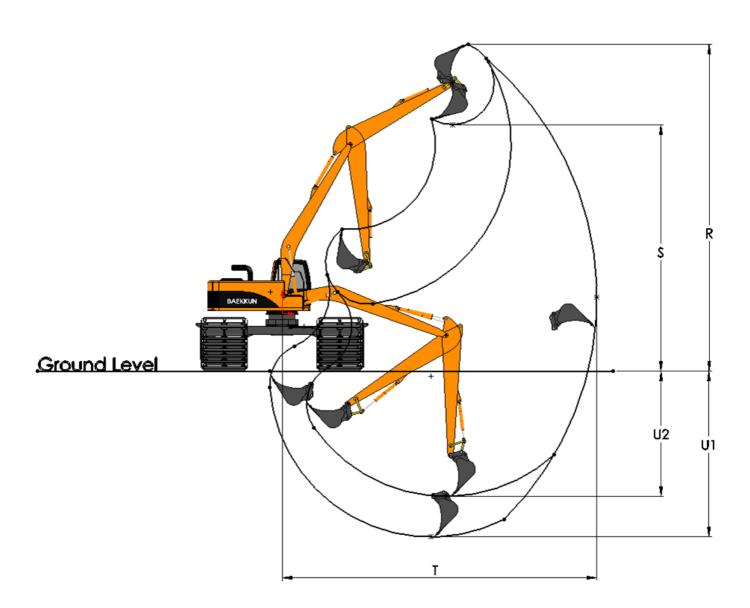
Dimensions	Pierra de la Constantina		Baekkun Amphibious Models					
Dimensions Description	unit	BKEX80R	BKEX140	BKEX225	BKEX260	BKEX300	BKEX340	
А	Max. Track Length	mm	7,000	9,290	9,630	9,630	10,840	11,840
В	Track Length on Ground	mm	3,200	4,500	4,150	4,150	5,000	5,200
С	Rear Upper Structure Length	mm	1,300	2,200	2,750	2,995	3,200	3,500
D	Overall Length	mm	7,825	9,865	11,150	11,490	12,450	13,300
E	Height of Boom	mm	2,410	2,915	3,375	3,460	3,730	3,705
F	Counterweight Clearance	mm	1,635	1,835	2,170	2,200	2,240	2,275
G	Overall Width, min/max	mm	2,990 / 3,790	4,220 / 5,320	4,800 / 6,280	5,470 / 6,910	6,200 / 7,200	6,270 / 7,270
Н	Undercarriage width, min/max	mm	2,990 / 3,790	3,950/5,050	4,470 / 5,950	5,170 / 6,610	5,910 / 6,910	5,970 / 6,970
I	Track Gauge, min/max	mm	1,860 / 2,660	2,500/3,600	2,850 / 4,330	3,250 / 4,690	3,990 / 4,990	4,020 / 5,020
J	Track Cleat Width	mm	1,100	1,450	1,620	1,920	1,920	1,950
К	Min. Ground Clearance	mm	1,030	1,140	1,300	1,300	1,300	1,130
L	Track Height	mm	1,550	1,690	2,030	2,030	2,030	2,030
М	Overall Cabin Height	mm	3,540	3,720	4,090	4,060	4,155	4,205
N	Upper Structure Overall Width	mm	2,266	2,540	2,710	2,710	2,960	2,990





• With SLR Front

D :	Permistion		Baekkun Amphibious Models		
Dimensions	Description	unit	BKEX140	BKEX225	
А	Max. Track Length	mm	9,290	9,630	
В	Track Length on Ground	mm	4,500	4,150	
С	Rear Upper Structure Length	mm	2,200	2,750	
D	Overall Length	mm	12,240	13,550	
Е	Height of Boom	mm	2,950	3,470	
F	Counterweight Clearance	mm	1,835	2,170	
G	Overall Width, min/max	mm	4,220 / 5,320	4,800 / 6,280	
Н	Undercarriage width, min/max	mm	3,950 / 5,050	4,470 / 5,950	
I	Track Gauge, min/max	mm	2,500 / 3,600	2,850 / 4,330	
J	Track Cleat Width	mm	1,450	1,620	
К	Min. Ground Clearance	mm	1,140	1,300	
L	Track Height	mm	1,690	2,030	
М	Overall Cabin Height	mm	3,720	4,090	
N	Upper Structure Overall Width	mm	2,540	2,710	



• With STD Front

Dimensions	Description.		Baekkun Amphibious Models							
Dimensions	Description	unit	BKEX80R BKEX140		BKEX225	BKEX260	BKEX300	BKEX340		
R	Max. Cutting Height	mm	7,875	9,685	10,985	10,935	11,500	11,930		
S	Max. Loading Height	mm	5,890	7,355	8,265	8,250	8,455	8,740		
Т	Recommended Outreach	mm	7,035	8,315	9,965	10,225	10,830	11,505		
U1	Max. Digging Depth (on Front)	mm	3,830	5,210	6,105	6,225	6,920	7,210		
U2	Max. Digging Depth (on Side)	mm	3,130	3,660	4,180	4,070	4,775	5,200		

• With SLR Front

Dimensions			Baekkun Amphibious Models					
	Description	unit	BKEX140	BKEX225				
R	Max. Cutting Height	mm	12,500	14,500				
S	Max. Loading Height	mm	11,500	13,000				
Т	Recommended Outreach	mm	12,000	14,000				
U1	Max. Digging Depth (on Front)	mm	7,500	8,500				
U2	Max. Digging Depth (on Side)	mm	6,950	7,200				



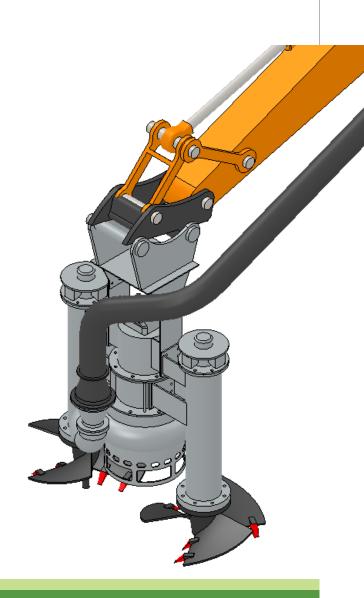
• BKCP 50HC

Technical specifications:							
Delivery	150mm / 6inch						
Capacity	250m³/hr / 1,101gpm						
Head	21m / 69ft						
HP/kW	35~50 HP / 25~37kW						
R.P.M	980~1,180						
Solid Handing	60mm / 2.4inch						
Weight	700kg / 1,545Lbs						

Main features:

All Pumps have standard high efficiency agitator to lift settled solids. High abrasion resistance with high chrome wear parts. Low rotation speed to reduce wear effect.





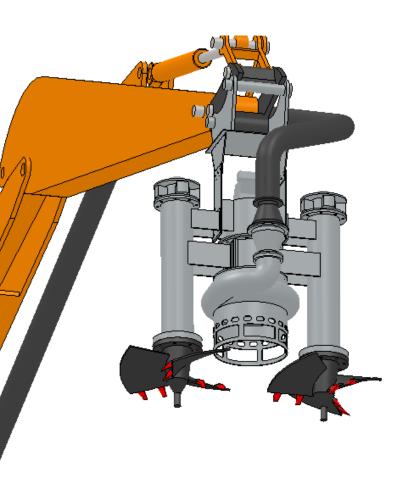
• BKCP 85HC

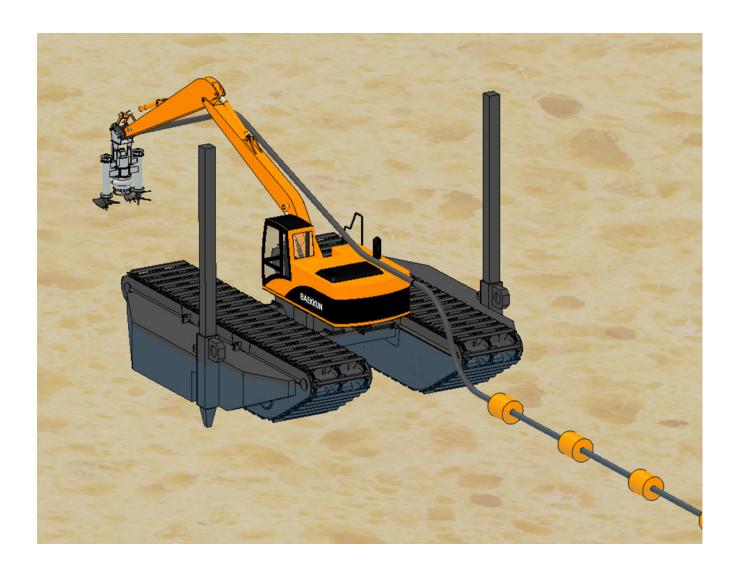
Technical specifications:							
Delivery	250mm / 10inch						
Capacity	720m³/hr / 3,170gpm						
Head	7m / 23ft						
HP/kW	60~85 HP / 44~62kW						
R.P.M	980~1,180						
Solid Handing	90mm / 3.5inch						
Weight	1,000kg / 2,205Lbs						

Main features:

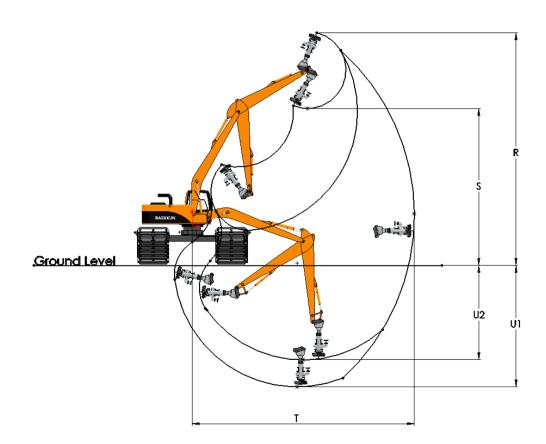
All Pumps have standard high efficiency agitator to lift settled solids. High abrasion resistance with high chrome wear parts.

Low rotation speed to reduce wear effect.





Hydraulic	Delivery		Capacity		Head (M-H ₂ O)		Power		R.P.M		Solid Handing		Weight	
Pumps	mm	inch	(m³/hr)	gpm	m	ft	min (HP/kW)	max (HP/kW)	min	max	mm	inch	kg	Lbs
BKCP 24	100	4	80	352	28	92	14 / 10	26/19	1,450	1,750	25	1.0	200	44
BKCP 35A	100	4	120	528	28	92	25 / 18	35 / 25	980	1,180	35	1.4	500	1,10
BKCP 35B	150	6	170	749	20	66	25 / 18	35 / 25	980	1,180	35	1.4	510	1,1
BKCP 50A	100	4	110	484	42	138	35 / 25	50/37	980	1,180	35	1.4	600	1,3
BKCP 50B	150	6	170	749	32	105	35 / 25	50/37	980	1,180	35	1.4	610	1,3
BKCP 50HC	150	6	250	1,101	21	69	35 / 25	50/37	980	1,180	60	2.4	700	1,5
BKCP 50/108A	100	4	140	616	65	213	60 / 44	85 / 62	1,180	1,450	35	1.4	600	1,3
3KCP 50/108B	150	6	210	925	58	190	60 / 44	85 / 62	1,180	1,450	35	1.4	620	1,3
BKCP 85A	150	6	240	1,057	30	98	60 / 44	85/62	980	1,180	60	2.4	700	1,5
BKCP 85B	200	8	350	1,541	23	75	60 / 44	85 / 62	980	1,180	60	2.4	730	1,6
BKCP 85HC	250	10	720	3,170	7	23	60 / 44	85 / 62	980	1,180	90	3.5	1,000	2,2
3KCP 85/160A	200	8	370	1,629	50	164	120 / 88	156 / 115	1,180	1,450	60	2.4	820	1,8
3KCP 85/160B	250	10	500	2,200	36	118	120 / 88	156 / 115	1,180	1,450	60	2.4	840	1,8
KCP 85/160HC	250/300	10/12	900	3,963	23	75	120 / 88	156 / 115	1,180	1,450	90	3.2	1,100	2,4
BKCP 300A	250	10	900	3,963	34	112	150 / 110	292 / 214	600	750	120	4.7	3,500	7,7
BKCP 300B	300	12	1,200	5,284	28	92	150 / 110	292/214	600	750	120	4.7	3,550	7,8
BKCP 400A	300	12	1,000	4,403	42	138	320 / 239	400 / 295	750	850	120	4.7	3,550	7,8
BKCP 400B	350	14	1,200	5,284	34	112	320 / 239	400 / 295	750	850	120	4.7	3,600	7,9
BKCP 400C	400	16	1,350	5,944	32	105	320 / 239	400 / 295	750	850	120	4.7	3,600	7,9

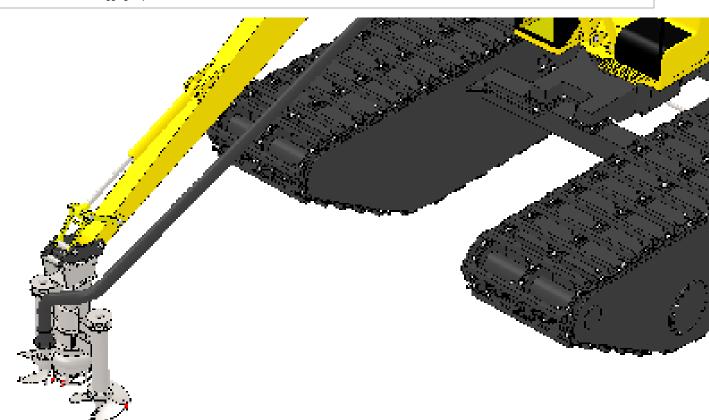


• With STD Front

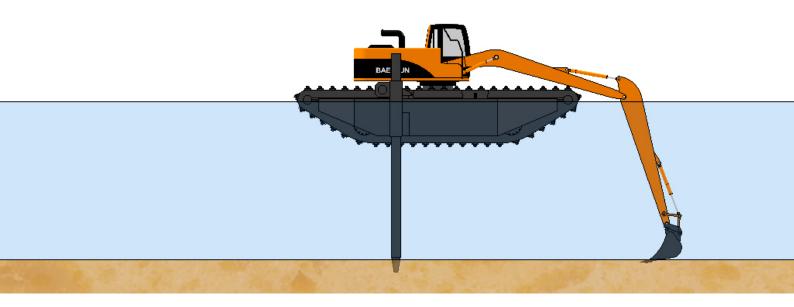
Dimensione	2		Baekkun Amphibious Models							
Dimensions	Description	unit	BKEX80R	BKEX80R BKEX140		BKEX260	BKEX300	BKEX340		
R	Max. Cutting Height	mm	9,085	10,720	11,825	11,795	12,180	12,535		
S	Max. Loading Height	mm	4,685	6,320	7,425	7,395	7,780	8,135		
Т	Recommended Outreach	mm	8,245	9,350	10,805	11,085	11,510	12,110		
U1	Max. Digging Depth (on Front)	mm	5,040	6,245	6,945	7,085	7,600	7,815		
U2	Max. Digging Depth (on Side)	mm	4,340	4,695	5,020	4,930	5,455	5,805		

• With SLR Front

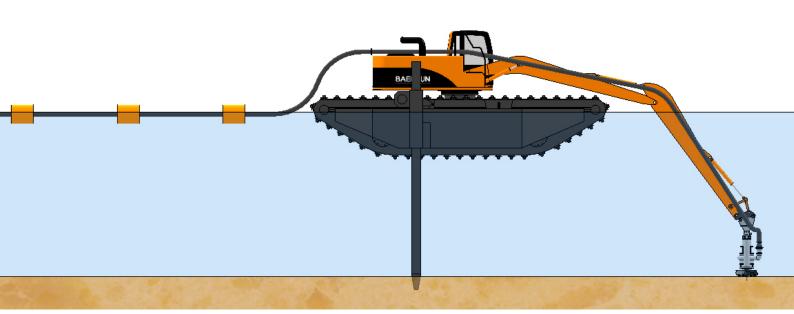
Dimension			Baekkun Amphibious Models					
Dimensions	Description	unit	BKEX140	BKEX225				
R	Max. Cutting Height	mm	14,200	15,950				
S	Max. Loading Height	mm	9,800	11,550				
Т	Recommended Outreach	mm	13,700	15,450				
U1	Max. Digging Depth (on Front)	mm	9,200	9,950				
U2	Max. Digging Depth (on Side)	mm	8,650	8,650				



DREDGING ON THE WATER



Put the Spud in ground and Dredge with Bucket



Put the Spud in ground and Dredge with Cutter Pump





