

해상장비

Maritime Equipment

- Jack-up Barge & Jacking System
- Derrick Crane
- Deck Crane
- Air Spinning System
- Pile Guide Frame

www.sambocmc.com

Jack-up Barge & Jacking System

Special features

Sambo Jacking system has two kinds of self-elevating units. One is Cylinder & Pin type which has the holes on the leg pipe and these holes are engaged by pins from the traverses in the jack house. Other type is Rack & Pinion gear type Jacking system which has the rack gears on the leg pipe in a row. Its advantage compared with Cylinder & Pin type is that the pontoon can be lowered or lifted continually without any interrupted operation.

- Cylinder & Pin type
  - The jacking system of each leg consists of six hydraulic cylinders, which by means of pins effect the relative motion of the platform in respect of the leg.
- Rack & Pinion type
  - The jacking system of each leg consists of several numbers of hydraulic operated planetary reducers and the rack gears are welded in two rows on the leg pipe.
- Jacking operation is adopted semi or fully automatic control.

특 징

삼보 Jacking system은 유압실린더&핀 작동타입과 랙 & 피니언기어 작동타입이 있다.

- 유압실린더 & 핀 작동타입
  - 각 Leg의 Jacking system은 6개의 유압실린더로 구성되어 있고, 핀으로 Leg를 구속, 또는 해제하며 Barge선체를 상,하로 움직인다.
- 랙 & 피니언 작동타입
  - 각 Leg의 Jacking system은 여러개의 유압구동식 유성감속기가 Jack house내부에 설치되어 있고, 랙-기어는 Leg pipe외측에 두줄로 용접되어 있다.
- 반 또는 완전자동 콘트롤 시스템채용.



Jacking system (Rack & Pinion type)

Model : SJBR01-600

1) Physical Dimension of Jack-up barge : 42m x 21m x 3.6m
2) Lifting Capacity : 600 ton / Leg
3) Operating pressure : 320 bar
4) Engine power : 270Hp(1800rpm) x 2set
5) Main pump : 75 cc/rev x 8ea
6) Supply year : 1995. 07.
7) Customer : Sambo E & C(KOR) - JB1





Model : SJBR02-600

1) Physical Dimension of Jack-up barge : 42m x 21m x 3.6m
2) Lifting Capacity : 600 ton / Leg
3) Operating pressure : 320 bar
4) Engine power : 270Hp(1800rpm) x 2set
5) Main pump : 75 cc/rev x 8ea
6) Supply year : 1996. 03.
7) Customer : Sambo E & C(KOR) - JB2

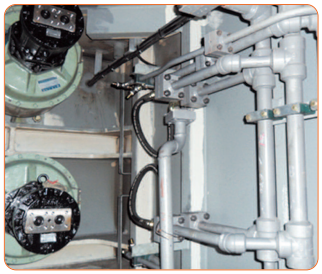




Jacking system (Rack & Pinion type)

Model : SJBR03-700

1) Physical Dimension of Jack-up barge : 52m x 28m x 4.5m
2) Lifting Capacity : 700 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 395Hp(1,800rpm) x 2set
5) Main pump : 125cc/rev x 8ea
6) Supply year : 2011. 05.
7) Customer : Hyundai(KOR) - Pioneer Ⅰ







Model : SJBR04-600

1) Physical Dimension of Jack-up barge : 42m x 24m x 3.8m
2) Lifting Capacity : 600 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 425Hp(1,800rpm) x 2set
5) Main pump : 89cc/rev x 8ea
6) Supply year : 2014. 02.
7) Customer : Hyundai(KOR) - Pioneer Ⅱ







Model : SJBR05-900

1) Physical Dimension of Jack-up barge : 52m x B28m x H4.5m
2) Lifting Capacity : 900 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 650Hp(1,800rpm)*2set
5) Main pump : 125cc/rev*8ea
6) Supply year : 2015. 04.
7) Customer : Hyundai(KOR)-Pioneer Ⅲ



Jacking system (Cylinder & pin type)

Model : SJBC01-600

1) Physical Dimension of Jack-up barge : 55.5m x 32.2m x 5m
2) Lifting Capacity : 600 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 300Hp(1800rpm) x 2set
5) Main pump : 78 cc/rev x 8ea
6) Supply year : 2005. 09.
7) Customer : Eunsung(KOR) - Kus



Model : SJBC02-900

1) Physical Dimension of Jack-up barge : 50m x 28m x 4.5m
2) Lifting Capacity : 900 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 380Hp(1800rpm) x 2set
5) Main pump : 95 cc/rev x 8ea
6) Supply year : 2009. 07.
7) Customer : Eunsung(KOR) - Orion





Model : SJBC03-900

1) Physical Dimension of Jack-up barge : 50m x 29m x 4.5m
2) Lifting Capacity : 900 ton / Leg
3) Operating pressure : 210 bar
4) Engine power : 395Hp(1800rpm) x 2set
5) Main pump : 95 cc/rev x 8ea
6) Supply year : 2010. 06.
7) Customer : Eunsung(KOR) - Phoenix





Jacking system (Cylinder & pin type)

Model : SJBC04-900

1) Physical Dimension of Jack-up barge : 50m x 30m x 4.5m
2) Lifting Capacity : 900 ton / reg
3) Operating pressure : 210 bar
4) Engine power : 536Hp(1,800rpm) x 2set
5) Main pump : 112cc/rev x 6ea
6) Supply year : 2012. 05.
7) Customer : Eunsung(KOR) - Sirius





Model : SJBC05-1200

1) Physical Dimension of Jack-up barge : 58m x 32m x 5m
2) Lifting Capacity : 1,200 ton / reg
3) Operating pressure : 210 bar
4) Engine power : 650Hp(1,800rpm) x 2set
5) Main pump : 140cc/rev x 6ea
6) Supply year : 2014. 02.
7) Customer : Eunsung(KOR) - ARCAS






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