



### Hitachi Sumitomo introduces new high-performance crane

Tokyo-based manufacturer Hitachi Sumitomo Heavy Industries Construction Crane Co., Ltd., (HSC) has launched the SCX2000A-2 crane to the international market. Although the new machine's size is almost the same as 180-tonne class models, it has a lifting capacity of 200 tonnes. This gives the SCX2000A-2 similar performance levels to a 250-tonne class machine.

The design of the new crane incorporates safe and efficient assembly and disassembly features, which have been adapted from larger Hitachi Sumitomo models.

#### FEATURES

- (1) The SCX2000A-2 is equipped with a powerful 272kW engine, which is equivalent to engines found in 275-tonne class machines. Its substantial output supports the crane's superior lifting performance.
- (2) The SCX2000A-2 can be assembled and disassembled more efficiently and is suitable for applications in confined spaces and at a reduced cost due to the following:
  - a) The SCX2000A-2 incorporates a proven quick draw system, which has been adapted from larger Hitachi Sumitomo machines. In this mechanism, a cylinder is installed to a mast and acts as a supporting crane for assembly. This allows for quick and efficient assembly and disassembly, particularly in smaller spaces if required.
  - b) The counterweight can be self-assembled and installed to the machine body using the quick-draw system and a counterweight self-installation/removal device. The simplicity of the assembly and installation procedures has a significant effect on reducing the cost and workforce required for assembly and disassembly.
  - c) A cylinder joint method is used to install the side frame to the machine body. Assembly and disassembly is performed efficiently thanks to the use of a simple structure with a hook on an attached pin and a hydraulic cylinder for fixing.

- d) The SCX2000A-2 has a folding tower jib, which means less space is required for assembly and disassembly, and makes it suitable for working on compact urban job sites.
- (3) The SCX2000A-2 is easy to manoeuvre, and responds precisely and accurately to the operating controls. Working with reduced operational loads, it provides a comfortable working environment for the operator.
- a) By adopting armchair control levers/joystick levers, the front visibility has been substantially improved. It has also expanded the visibility of the view upwards and therefore helps to reduce operator fatigue.
- b) A high-quality, easy-to-read LCD graphic display panel shows the current load status, working radius, boom angle and engine rotation simultaneously. In the event of an overload, it displays a clearly visible message and plays a clear voice message.
- c) The SCX2000A-2 has a low-pollution engine, which reduces emissions of nitrogen oxide (NOx) and particulate matters (PM) etc. to an absolute minimum. This ensures the machine's compliance with Tier III emission regulations effective in North America, Europe and Japan.

Model name	SCX2000A-2
Max. lifting capacity	200t x 4.6m
Tower max. lifting capacity	27t x 14.0m
Front / rear drum rope line speed	110m/min
Boom hoist drum rope line speed	32 x 2m/min
Slewing speed	1.7min <sup>-1</sup>
Travel speed	1.2/0.6km/h
Boom length	15.3m~85.4m
Fly jib length	12.2m x 30.5m
Boom + fly jib length	73.2 x 30.5m
Tower boom length	36.5 x 57.9m
Tower jib length	27.4 x 48.7m
Max. tower boom + luffing tower jib length	57.9 + 48.8m
Engine	Mitsubishi 6M70-TL
Engine rated output	272kW (370ps)/2000min <sup>-1</sup>
Operating weight	
Conventions	Apr.186t (15.2m boom, 200t hook, 71.0t counterweight) Apr.196t (18.3m boom, 200t hook, 80.6t counterweight)
Tower	Apr.215t (27.9m tower boom+ 48.7m luffing tower jib)

# SCX2000A-2



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