

HSC launches new crawler crane “SCX1800A-3”

Sumitomo Heavy Industries Construction Cranes Co., Ltd. (HSC) has launched the SCX1800A-3, maximum 175-tonne lifting capacity hydraulic crawler crane in May 2020.

The SCX1800A-3 has been developed based on the concept of “SCX-3” series and designed for outstanding work capabilities within a refined compact body combined with superb transportation and assembly system.

Two types of engine specification that meets EU Stage IV / US Tier 4 final and Stage III A/ Tier 3 exhaust emission regulations are available depending on the region.

<FEATURES>

1. Exceptional capabilities to streamline worksites

The SCX1800A-3 provides exceptional lifting capabilities with a compact body. Maximum main boom and crane jib combination is 75 m + 31 m, covering a wide working area to further streamline operations on worksites. A two-auxiliary sheave is also available to provide greater lifting performance, catering to increasingly diverse customer requirements. A 13.5-tonne-rated line pull winch (rope ϕ 28 mm) is optionally available.

2. Superior transportation and assembly

The total weight during transportation including the lower boom, winch rope and mast has been kept to 40.8-tonne (crane body itself at 27.6-tonne), while also remaining within a 3.2 m transportation width.

Newly designed counter weights are of identical shapes (excluding the base weights) for the left and right sides to help ease the assembly process. The weights can be stacked on either side and in any order, ensuring assembly can be completed quicker.

3. Clean engine and ECO winch mode

Powered by the high-efficiency engine and equipped with an ECO winch and auto idle stop function to perform operations using less fuel. Unnecessary fuel consumption has been reduced so that there is less impact on the environment.

4. Enhanced safety with full range of safety features

Safety has been covered in almost every conceivable way, with the use of a swing restriction device and swing brake pedal, while reputable functions such as warning alarm and auto drum lock remain installed as standard. The large display panel includes all required information at a glance, easy-to-view layout without disturbing operator’s forward visibility. Catwalk with handrails and upper house handrails (folding type) are

also installed as standard.

5. Remote sensing

Machine operating condition can be monitored precisely by remote sensing installed as standard.

By ensuring preventative maintenance, planned maintenance could be easy and it contributes to improve operating efficiency.

<SPECIFICATIONS>

Model		SCX1800A-3	
		With Heavy Duty Top	With Standard Top
Max lifting capacity		175 / 180 t x 4.1 m*	160 t x 4.5 m
Boom length (Heavy Duty Top)		12.0 m	-
Boom length (Standard. Top)		-	15.0 m to 84.0 m
Rope line speed	Front/Rear main [Rated with 12 t load]	110 (45) m / min	
	Boom hoist	44 m / min	
Swing speed		1.8 min ⁻¹	
Engine make/model		Cummins QSB6.7 (Stage III A / Tier 3 or Stage IV / Tier 4 f)	
Engine rated output		201 kW / 2000 min ⁻¹	

*180-tonne lifting capacity is a limited edition, and requires special equipment.



GOOD DESIGN
AWARD 2018

**SCX
1800A-3**