

# SPS 50000 STIFF BOOM CRANE

IDEAL LIFTING SOLUTION FOR 4 AXLE TRUCKS



# TECHNICAL SPECIFICATIONS

## Product Description

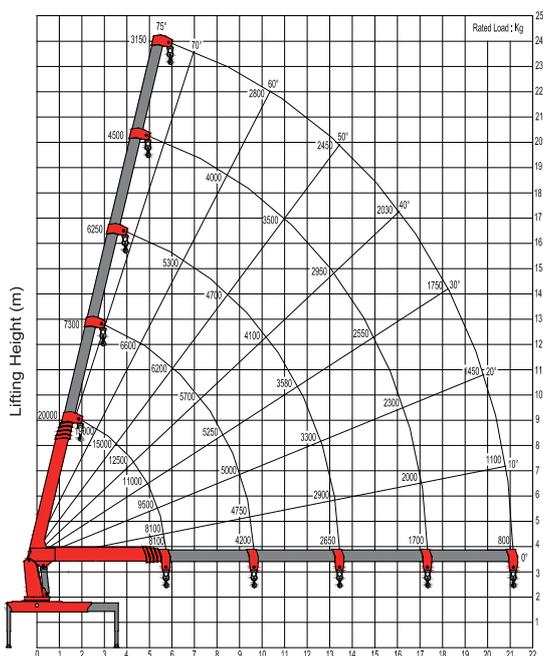
- SANY PALFINGER produces according to European Quality Standards to ensure reliability, performance and safety in the industry
- High tensile strength extension booms to optimize lifting height and working range
- The wide outrigger span ensures stability in all mounting situations
- High safety factor with greater reliability
- Piston pump option for reliability, efficiency, and extended lifetime
- Standard package includes
  - Emergency stop button
  - Working light
  - High pressure filter
  - Over-winding stop

## Technical Data

Basic Data	SPS 50000C
Rated lifting moment	50 mt
Rated lifting capacity	20000 kg (2.5 m)
Max. outreach	21.2 m
Max. lines of the hook	6
Slewing angle	Continuous
Boom raising angle	0 ~ 75 °
Max. lifting height (the measurement from the ground after the outriggers fully extended)	23.2 m
Length of the boom system (retracted)	6.25 m
Length of the boom system (fully extended)	21.6 m
Boom sections	5
Outrigger span (fully extended)	7250 (mm)
Recommended flow rate	80 ~ 110 L/min
Operating pressure	32 Mpa
Recommended oil tank capacity	300 L
Crane moment (dynamic)	913.8 kNm 93.1 mt
Torsional moment (dynamic)	52.5 kNm 5.4 mt
Crane weight	6800 kg (High seat)

# LIFTING CHART

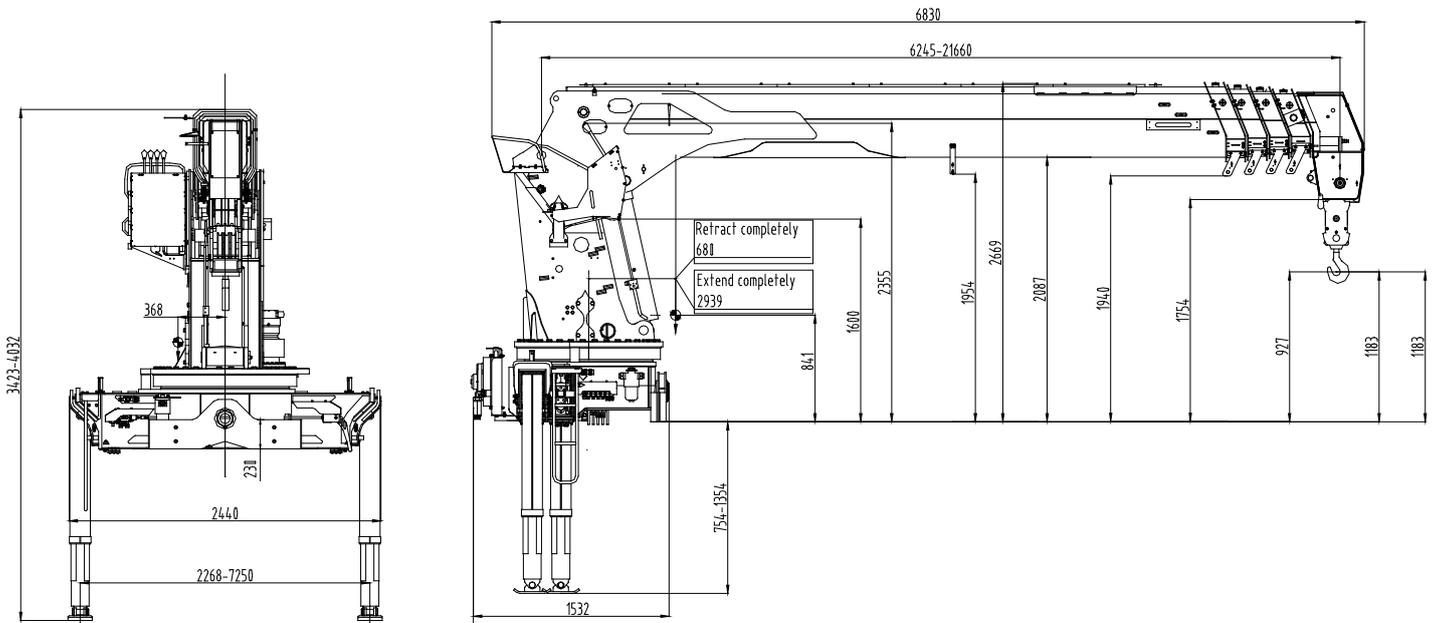
SPS 50000C



NOTE  
The above lifting height and boom angles are based on a straight (unladen) boom.  
Allowance should be made for boom deflection under laden conditions  
Lifting capacities must not exceed 85% of tipping load.

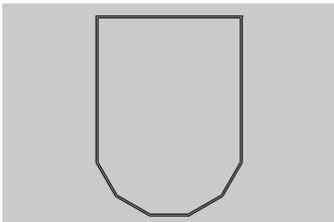
# CRANE DIMENSION

SPS 5000C-H



\*The actual product dimensions can vary depending on the operational equipment.

# FEATURES & OPTIONS



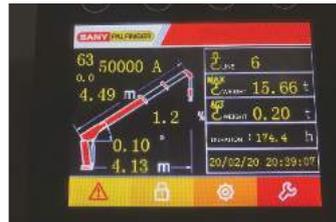
## Octagonal Boom Profile

- High strength and rigidity due to octagonal cross section



## High Tensile Steel

- High Tensile Steel: HG785, SC960
- Able to withstand higher forces



## Moment Limiting System

- Over-load protection system that provides valuable information to the crane operator such as:
  - Lifted Weight
  - Boom Extension
  - Horizontal Outreach



## Working Light

- Safer operations in dusty and dark working conditions
- Optimal visibility for work



## High Pressure Filter

- Ensures proper functionality and longer lifetime of crane



## Proportional Hydraulic System

- Sensitive and stable controls for precise operation
- Operator is able to utilize multiple functions simultaneously



## Two Speed Winch

- Designed to maximize efficiency
- The winch rope speed can be doubled when the load carried is less than half of the maximum load

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Cranes shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.