Instruction Manual

SC500C,SC1000C,SC2000C



Note:Owner/Operator must read and understand this instruction manual before using the shop crane.

Specifications

Model		SC500C	SC1000C	SC2000C
Capacity	(kg)	500	1000	2000
Max.Beam Length	(mm)	1120	1595	1593
Min.Beam Length	(mm)	916	1295	1293
Max.Hook Height	(mm)	2140	2557	2529
Min.Hook Height	(mm)	175	155	0
Net Weight	(kg)	82	115	153

Safety Instructions

1.Use cranes only on a firm level;never use on soft grounds.

2.The load to be lifted should never exceed the rated capacity.

3.Never operate the hydraulic power unit beyond its maximum stroke indicated on the label.

4.The capacity of the crane reduces as the jib extension is prolonged.Do not load the crane beyond the rated capacity for each specified jib extension position as indicated in the label.

5.Before operating the crane ensure the jib extension is securely positioned by the pin(NO.9).

6.The load hook is provided with a latching mechanism.Ensure it works properly.

7.To lift the load in a well balanced and stable way make sure the center of gravity remains always inside the crane base.

8.Never position any part of your body under the load.

9.Do not allow the load to swing or drop violently when moving.

10.The crane is not transportation device but in case the load has to be removed,lower the load and jib extension to the lowest possible point before transporting.The crane is not designed to sustain the load indefinitely,so when the operation is finished

make sure the load is fully lowered and supported on a firm surface.

11.Make a visual inspection before each use the crane.Any crane which appears to be damaged must be removed from service.

12.As an additional safety feature the crane is equipped with a valve to prevent the unit from being overloaded.This unit must not be tampered with.

13.If these basic rules are not followed,injury to the user,the crane or the load being lifted may result.

Use and operation

1.Before using the crane,it is necessary to purge air from the valve system of the hydraulic unit.

2.This can be done by releasing the valve,then pumping the hydraulic jack several times.

3.Raising the load,close the valve and pump the hydraulic unit. Quick lifting is prohibited for loads of more than 150kgs.Any manipulation of the pressure relief valve is prohibited.

4.Lowering the load,release the valve slowly,the load can be lowered smoothly.Quick-releasing is strictly prohibited.

Maintenance

1.Lubricate all moving parts at regular intervals.

2.Always keep the crane clean and protected from aggressive conditions.

3.Check the oil level of the hydraulic unit with the piston fully retracted.Top up if necessary.

IMPORTANT :An excess of oil will render the crane inoperative.

4.Use only hydraulic oil,HL or HM types,with an ISO grade of cinematic viscosity of 30 cSt at 40°C or an Engler viscosity of 3

at 50°C.

VERY IMPORTANT:never use brake fluid.

5.When ordering spare parts,please state the part number as shown in the exploded view drawing provided,the model number and the capacity of the crane.

REPAIR

Both maintenance and repair must only be carried out by qualified personnel.

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