

# KATO

**KATO WORKS CO.,LTD.**

HEAD OFFICE: No. 9-37, 1-chome, Higashi-ohi, Shinagawa-ku,  
Tokyo, Japan  
Tel: Tokyo 471-8111

FOREIGN DEPARTMENT: The 17th Mori Bldg., Shiba Nishikubo  
Sakuragawa-cho 2, Minato-ku, Tokyo, Japan  
Tel: Tokyo 591-5111  
Cable Address: CRANEKATO TOKYO  
Telex: 0 222-4519 (CRKATO J)

# KATO

**FULLY HYDRAULIC TRUCK CRANE**

**MODEL**

# NK-20B



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**TOKYO**

# KATO NK-20B

## FULLY-HYDRAULIC FULL-SLEWING TRUCK CRANE



### OUTSTANDING BOOM CAPABILITY:

Each part of three section boom hydraulically extends or retracts simultaneously and equally ("Full-Power"<sup>®</sup>), by single control lever action within the range from 10.2m to 26.2m length. This boom action also allows the light boom head and more lifting capacity than any other competitive cranes in same class.

### EASY FLY JIB HANDLING:

A fly jib folded underneath the boom permits extension or retraction of boom without removing jib hook. Pendant rod assures a easy and simple handling and reduces set-up time of the fly jib even at the restricted site.

### FREOMATIC WINCHES:

The main winch and the auxiliary winch have a common shaft allowing power lowering and gravity drop. An effective and fail safe system by means of the hydraulic motor which varies output in accordance with the load. Fingertip control and easy maintenance are available.

### AUTOMATIC SAFETY CUT-OUT: (A.S.L.I.) Model: MS-3

An indicator shows continuously both the rated allowable load and the actual lifting status along the boom length and working radius. For a safe operation, a buzzer warns of the danger as soon as the crane operation reaches any overload status, and then the hydraulic power is cut off automatically in the event of dangerous excess. This device is an optional attachment and can be installed by the customer's request.

### WEIGHT INDICATOR:

An indicator in the operator's cab shows actual lifting load suspended from the main hook or the fly jib hook. This device is an optional attachment and can be installed by the customer's request.



### SUPERSTRUCTURE

#### CRANE PERFORMANCE

Boom length	10.2m ~ 26.2m
(Full power 3 section)	(33.5ft ~ 86.0ft)
Fly jib length	7.4m ~ 12.0m
	(24.3ft ~ 39.4ft)
Boom derricking angle	-3° ~ 80°
Boom derricking time	72 sec.(min. to max.)
Boom telescoping speed	
Extension	0.18m/sec.
	(0.6ft)
Retraction	0.22m/sec.
	(0.7ft)
Hoist and lower rope speed	
Main winch	63m/min.
	(206.7ft)

Auxiliary winch	63m/min.
	(206.7ft)
Hoist and lower hook speed	
Main winch	9.0m/min.
	(29.5ft)
Auxiliary winch	63m/min.
	(206.7ft)
Slewing speed	3.1 rpm

#### WIRE ROPE FOR HOISTING

Main winch	Type	6 x Fi (29) I.W.R.C.
	Length	200m x 16mm dia.
Auxiliary winch	Type	6 x Fi (29) I.W.R.C.
	Length	90m x 16mm dia.

#### HYDRAULIC SYSTEM

Hydraulic pump	Plunger-gear combination type
Hoist motor	Variable plunger type
Slewing motor	Radial piston type
Control valve	3 position 4 way double-acting type with integral check, and relief valves.
Cylinder	Double acting type