

More Power Than Ever!

NK-300E-v

- Maximum rated lifting capacity : 30t ● Maximum boom length : 33m
- Maximum jib length : 14.5m
- Maximum lifting height : 32.8m(boom), 47.3m(33m boom + 14.5m jib offset 5)

KATO

Tops in advanced functions, power, speed, safety and cost

*A superstar is born!!
The NK-300E-v draws on the very
latest technology to give unprecedented power,
stability and ease of operation.*





Advanced Electronics Enhance Reliability



Extra long boom boosts high and remote lift capabilities

- Boom length 10.5~33m
- Jib length 8.7~14.5m (2 section)
- Jib offset (3-stage: 5°, 17°, 30°)



FULL POWER BOOM

- The tough new Fullpower boom utilizes a sequential, synchronized extension/ retraction control system that permits single-lever control and speeds up operations at all boom lengths from low at 10.5m (fully retracted) to high lifts at 33m (fully extended).
- For greater ease of use, operability and safety, the new boom is of a robust construction that reduces vertical deflection and lateral bending during operations.

FANTASTIC OPERATING RANGE! IDEAL FOR CLOSE-IN OPERATIONS THANKS TO 3-STAGE JIB OFFSET (5°, 17°, 30°)

- In addition to the conventional offset angles of 5° and 30°, the jib on the NK-300E-v can also operate at an extra offset angle of 17°. Selection of the 3 offset angles is simple and the feature is a real boon in close-in work during the construction of high-rise buildings or when performing high-lift operations in restricted spaces.

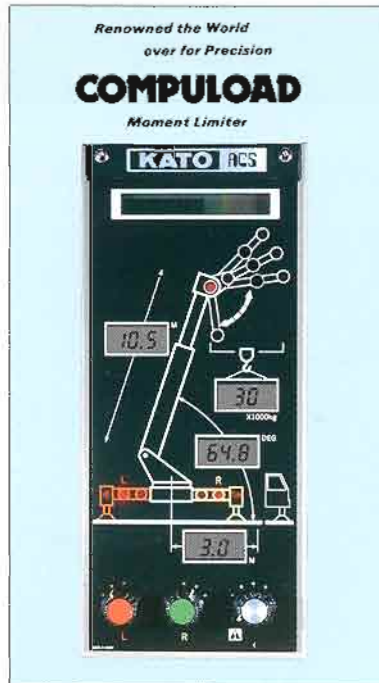


AUTOMATIC SEVEN-POINT DETECTION

The advanced ACS Moment Limiter is a fully automatic overload prevention device incorporating calculation functions based on the latest electronic know-how. It provides precise output on up to seven safety factors: Safety level (total moment), boom angle, working radius, boom length, critical load, actual load and maximum hook lift. These factors are displayed on a graphic display panel. This arrangement permits easy read-out without eye fatigue and facilitates a constant and accurate appraisal of changes in the safety factors, thereby enhancing the safety of crane operation.

CONSTANT FIVE-POINT DISPLAY OF OPERATING CONDITION

- In-panel Indicators have been replaced by digital displays that show safety level, boom angle, boom length, working radius and critical load at all times, without any troublesome button operations. For further the display of safety level is colorzoned to enable the operator to take in the condition of the load at a glance.
- Protection against breakdowns and malfunctions ..For double protection in the unlikely event of a malfunction in the ACS Moment Limiter or any other problems, a trouble indicator has been provided to generate an emergency signal in the appropriate display to warn the operator.



WIDE OPERATING RANGE! FORWARD-ACTING DERRICKING CYLINDER DELIVERS DERRICKING RANGE FROM -3° TO 80°

- The powerful forward-acting derrick cylinder and the rearward installation of the derrick cylinder not only give the NK-300E-v a derricking range from -3° to 80° but result in excellent visibility during operations.

EASY TO MOUNT ON EVEN THE MOST RESTRICTED WORKSITE

- The crane is compactly designed so that the jib folds conveniently under the boom during travelling, and opens out forward and upward when required for use. Mounting requires less space and bother than the horizontal fold-out type, making it ideal for rapid setups in confined sites.

GREATER EFFICIENCY IN SINGLE-ROPE LIFTING OPERATIONS-CONVENIENT ROOSTER SHEAVE

- This feature greatly enhances operating speed when handling lightweight loads. The rooster sheave is easy to mount at the head of the boom, and the hoisting and lowering of single hook load can be carried out with greater ease and efficiency.



EXTRA-LARGE CABIN FOR GREATER COMFORT AND EASE OF OPERATION

- The spacious cabin is finished in highly relaxing color tones and comes with a sliding door that facilitates ingress and egress and can be left open without getting in the operator's way. A push-up type window is incorporated in the roof for better ventilation. Careful consideration has been given to human engineering for maximum operator comfort; the lengths of the levers can be adjusted and the highbacked seat can be moved forward or backward, raised or lowered to suit any physique. The result is a comfortable, roomy cabin that helps banish fatigue even during extended periods of operation.

- Easy to use pedals have been attached to the winch levers for greater convenience in compound operations.

- Priority given to safety in operator's cab... For maximum operator comfort and safety all instrumentation utilizes the very latest electronic technology and, together with the various controls and levers, has been located in the optimum position for visibility and ease of operation.

Extra-Large Cabin for Greater Comfort and Ease of Operation



*Outriggers Capable of Intermediate
Extension for Operations on
Narrow Sites*



ACS CONTROLS PERFORMANCE ACCORDING TO OUTRIGGER STATUS

- Sturdy, fully hydraulic outriggers... The outriggers are designed for 2-stage extension, 6.1m at maximum stroke and 4.1m at intermediate stroke for greater stability during operations on restricted sites. Messy float mounting and dismantling operations have been eliminated by incorporating them into a single unit with the vertical cylinders, thus helping to reduce operation times. Ample road clearance permits the simple setting of wooden blocks

- Controls on either side of undercarriage for independent, simultaneous outrigger operation... All vertical and horizontal outrigger adjustments can be controlled independently and simultaneously by means of controls located on both sides of the undercarriage. The large stroke of the vertical cylinders permits quick, easy, levelling, even where conditions are poor, such as on sloping or uneven ground.

HYDRAULIC FRONT JACK MAKES 360° LIFTING POSSIBLE

- A Hydraulic jack installed under the front extremity of the carrier chassis enables the crane to offer the same lifting performance in all directions. This means that there are fewer limitations caused by the orientation of the crane when it enters a site, boosts its operational range.



● Hydraulic front jack (option)

Address inquiries to:

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*NOTE: Illustrations may include optional equipment. KATO products and specifications are subject to improvements and changes without notice.



Specifications subject to change without notice

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