

Goose Neck Level Luffing Cranes



TECHNICAL SPECIFICATIONS

- Optimal solution at ports for handling different bulk materials and unit loads
- Spill-proof grabs ensuring effective cargo handling
- Flexibility of choosing between mechanical or hydraulic drives
- VVVF drives for all motions of the equipment
- State-of-the-art PLC systems with user friendly interfaces
- Custom built and made to order equipment at TRF's own Works at Jamshedpur ensuring minimal erection and start up time at site
- Ergonomically designed operator cabin with easily accessible controls
- Centralized lubrication system ensuring easy and convenient maintenance without interrupting crane usage
- Operation and maintenance support

Description

Slewing type Goose Neck Level Luffing Cranes are common equipment at ports, handling bulk materials and unit cargo. TRF has engineered and supplied the largest number of slewing cranes in India.

TRF supplied Goose Neck Grab Duty Level Luffing Cranes and Kangaroo Cranes are in operation at Kandla, Dahej, Mumbai, Tuticorin, Chennai and Vizag ports. The four rope grab cranes have capacities ranging from 10 tonnes to 26 tonnes and can deliver bulk cargo at 500 TPH. The largest of TRF's Grab, Level Luffing Cranes is designed to deliver at 600 TPH for bulk material.

All the drives of the crane are provided with programmable logic controller to achieve synchronized motions. Cranes are also provided with safe load indicators, warning against storm weather and air conditioned cabin and electric room. Kangaroo cranes are provided with on board travelling hopper, hopper weighing system, discharge conveyor and discharge trolley with dust extraction system.

The operator's cabins are so located that the operator gets a clear and unobstructed view of the unloading process. The cabin is air-conditioned and ergonomically designed for maximum comfort of the operator. The front screen is mounted in the operator's console and displays details of all operations enabling the operator to program according to the unloading requirement.

Technical Particulars of Level Luffing Crane

Machine Description	Type of Crane	Material handled	Lifting Capacity Crane in Tonnes	Out reaches in M	Track gauge
			Main hoist	Main hoist	M
Goose neck	Hook Duty	Unit Material	60	40.0	10.0
Goose neck	Hook Duty	Unit Material	15 & 12	18.00 & 28.00	7.0
Goose neck	Grab Duty	Fertiliser	20	30.0	15.0
Goose Neck + travelling hopper	Grab Duty		20	28.0	6.0
Level luffing crane	Grab Duty		20	32.00	6.0
Goose neck Kangaroo Crane	Grab Duty	Sulpher, Coal	26	38.00	18.0
Goose neck	Grab Duty		16	28.00	10.0

Services

TRF also offers comprehensive operation and maintenance services for the Level Luffing Cranes with guaranteed upkeep time for the customer.

HEAD OFFICE & WORKS

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