

### Introduction Application

“Atlas” Make Crane hoist duty motor is Designs for Ideal for frequent Starts / Stops & Reversing operation. those motor are high torque Manley use in crane, Goods lift, hoist, auxiliary motors in rolling mills Ect. An every application intermittent drives are required.

### Range

Crane & hoist duty motor 0.10 H.P. to 75 H.P. (0.075 K.W. to 55 K.W.) Frame 63 to 250M in 2, 4, 6, 8, 10 & 12 Pole on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also

### Mounting

- Foot      - Flange      - Face

### Frame

Crane duty motor are supplied in a robust, rugged cast iron frame with integral feet. On Request we can supply motor in aluminum body up to 100 L frame.

### Duty

Crane duty motor is suitable for: -  
Short time duty (S2)  
Intermittent periodic duty (S3)  
Intermittent duty with Starting (S4)  
Intermittent duty with starting & ele. Braking (S5)

### Voltage and Frequency

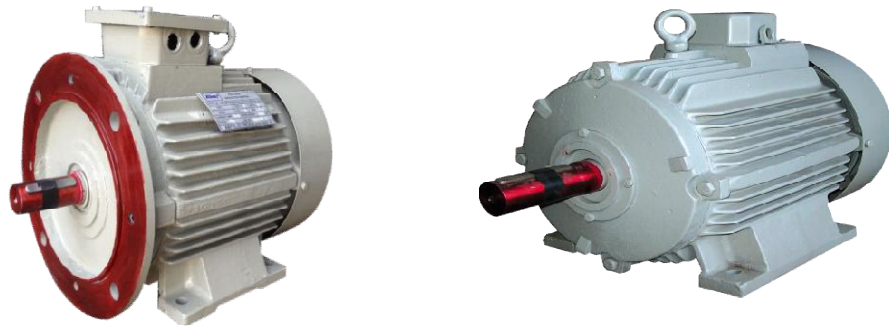
Crane duty motor Supply volts 415 +- 5% 3 phase 50 Hz. +- 3% (on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also)

### Enclosures Motor

Crane hoist duty motor IP-44 Protection as defined in IS: 4691. Motors can be supplied with IP-54 and IP-55 on request.

### Motor with Integral Brake

Crane hoist duty motor can be supplied with integral electromagnetic A c or DC fail safe brakes.



### Winding & Insulation Motor

Crane duty motor supply with class “F” insulation as standard feature. Also supply H on request of customer. Motor torque is higher than stander motor. Motor winding design making a high torque of pick up load smoothly. All motor are operation with D.O.L. starter.

### Rotor shaft

Crane motor Rotor is positive locking with Shaft key joint so that cannot move on high Full load torque. Shafts Are made by En-8 or En-9 material in sp. Case we can made Shaft with En-24 material.

Crane duty motor Rotors are of high-pressure E.C. Grad aluminum die-cast. Every rotor is dynamically balanced. Its make motor low amplitudes of Vibration & noise.

### Bearings & Lubrication

Crane duty motor Bearings are adequately lubricated with lithium based high temp up to 150 deg. All the motors Are supplied with C3 ball bearing & fully charged with lithium base grease at the time of assembly

### Paints

All standard Crane hoist duty motor are painted with semi glossy synthetic enamel paint. However sp. Paint is available on request.

### Features

- Excellent performance, simple structure, small cubage and high efficiency
- Easy to mount and maintain.
- Wide range, high torque and good capability of enduring overloads
- Running stably, low noise and wearing well
- Wide applicability and enough and safe dependability.

### MANUFACTURING BY

AMIT ELECTRICALS  
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