

TECHNICAL SPECIFICATIONS OF 5.0 TON S/G EOT CRANE WITH 5 TON HOIST.

CRANE GIRDER SIZE	BOX GIRDER TYPE
Capacity	5.0 Ton
Hoist Model	223-14(CO)
Location	Indoor
Height of lift	6.0 meter
Crane Headroom	1200 mm
Span	17.5 Meter(Center to center distance of Gantry rail)
Hoisting speed	3.5 Meter/Min
Hoist Motor	7.5 H.P. 1440 RPM, Parallel Rotor, Crane duty, Class F Insulation, 1hr,. Rating of MEGHA make IP-55 protection.
Hoist Brake	Electro Magnetic Disc type, 100% fail safe
C.T.Speed	12.0 Meter/Min
C.T.Motor	1.0 H.P. 1000 RPM, Crane duty, Class F Insulation, 1 Hr. Rating of MECHA make, IP-55 protection, class F insulation.
C.T.Brake	Electro Magnetic Disc type 100% fail safe fitted to C.T. Motor shaft
L.T.Motor (2 Nos.)	2.0.0 H.P.,1000 RPM, Crane duty, Class F Insulation, 1 hr. Rating of MEGHA make, IP-55 protection and class F insulation.
L.T. Brake	Electro Magnetic Disc type brkae, 150mm dia,, 100% fail safe of reputed make.
L.T.Speed	15.0 Meter/Min
Applicable standard	I.S.807 and I.S. 3177 class-III Heavy duty
Control Voltage	110 Volts
Supply voltage	400-440 Volts, 3 Ph. 50 C/c,A.C
Limit switches	HOIST :roller type C.T. : Two way lever type L.T. : Two way lever type
Hook	As per I.S.3815, mechanical locking device, thrust bearing & swivelling with Locking arrangement.

Operation	From Floor level by Pendent pus h button station
Control panel	<p>Make of contactors: Telemecanique of suitable ratings : Pendent station shall be Metallic/Plastic of reputed make.</p> <p>:Overload Relays for hoisting, C.T & L.T. shall be provided in control Panel. :Limit switches :Siemens/BCH/Tech systems or equivalent.</p>
Bearings	:Bearings shall be SKF /FAGTATA or equivalent.
Rope Dia & const.	:12 mm with 4 falls,6x36 construction , FMC, tested quality, Usha Martin or similar
Soft-starter	: For L.T. drive provided.
Rope Drum	: M.S seamless pipe /Fabricated from, M.S. Plate as per IS 2062 thickness with machined grooves to accommodate 10 mm wire rope and groove shall be as per IS 3938
Ambient Temp.	: 45 Degree.
Crane weight	: 6.72 Tons
Wheel load	: 4.33 Tons
Qty.	: 1 No.