

UM Type Series

5t·10t

Adoption of M Type body

This series is based on the model M which is designed for optimizing price and performance.

Applicable rail size

Box Rail : width 300~350mm

Low-wearing electromagnet brake

· Heat-generation and wear are small under severe inching operations accompanied by braking operations at low motor-speeds in the inverter-driven power train. Abatement heat-generation and wear contribute to long-span operation.

Resistance unit

· Cement resistances are unitized for downsizing.
· Adoption of the connector system facilitates hoist work.

Control panel integrating purpose-built inverter

· The control panel, made compact with an integrated inverter only for hoist, has improved environmental resistance.
· Simple parameter setting operation
 * Allows operating speed to be specified freely.
 * Allows selection of light-load high-speed function.
 * Allows the position detection point to be specified freely.
· Troubleshooting facilitated by abnormality display.

Traversing wheel with flange (Only for flat rail)

Encoder

· Full-time monitoring of hoist motor motion; detects abnormalities and stops the machine if necessary as a safety precaution.
· Detects position using rotation pulses; reduces machine speed when approaching the upper or the lower limit and stops it there.
· Detects light-load and automatically operates light-load high-speed.

Smooth operation

· Infinitesimal and light-moving inching operations
· Smooth changeover between high- and low-speed operations

Options

Guide roller

Traversing limit switch

※ Photo is an optional wearing product. Please refer for the optional details separately.

UM Type has been designed for optimizing price and performance.

Specifications

Type	Capacity(t)	Lift(m)	Wire rope		Hoisting				Traversing														
									Mono-rail						Double-rail								
			Rope specification	Speed m/s (m/min)		Motor		Magnetic contactor operation	Speed m/s (m/min)		Motor		Magnetic contactor operation	Speed m/s (m/min)		Motor							
				Low speed	High speed	Light load high speed	Output(kw)		Rated Current(A)	Poles	INV Operation	Output(kw)		Rated Current(A)	Poles	INV Operation	Output(kw)	Rated Current(A)	Poles				
																				50 Hz	25 Hz	50 Hz	25 Hz
UM	5	12	12.5	—	Mitsubishi original wire rope ※ 1	0.6	6	9	6.0	15	4	21	2.5	25	0.5	1.5	4	21	2.5	25	0.5	1.5	4
	10	12	—	12.5		0.3	3	4.5	6.0	15		12	1.5	15	0.85	2.2		15	1.8	18	0.85	2.2	

※1 Using non genuine wire ropes causes low safety factor has an increased risk of short product cycle

Standard specifications

●Power supply...3-phase 380V 50Hz control 48V(24V is also available)

●Operating method...Push button switch operations.

	5t·10t
Suspended type	4 Points
Frame mounted type	ON OFF U D ※3
Motor operated traversing hoist	8 Points
	ON OFF U D E W S N

※3 "U" and "D" are 2 step push button.

●Rating...Hoisting : 40%ED(100% of load rating), 240S/Hr (FEM 9.683),※only 50Hz
Traversing : 25%ED(100% of load rating), 150S/Hr ※only 50Hz

●Power supply system...Cable feeding, trolley feeding

●Enclosure...Simplified out door type(JIS C 9620 Equivalent to IP-44)

●Applicable standard ... JIS C 9620 electric hoist/crane structure standard, FEM 9.683

●Hoist class(ISO 4301-1) ... M5

●Color coating...Main body : Metallic gray (Equivalent to Munsell N4.0)
Hook block : Munsell 7.5YR 7/14
Push button : Equivalent to Munsell 7.5YR 7/13

●Ambient air temperature...-10°C~40°C (Non condensing)

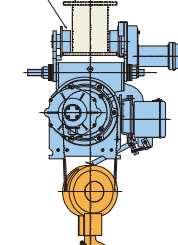
●Ambient air humidity...90% or less (Non condensing)

Traversing wheel and Applicable rail

◀M,UM Type▶

Box Rail

Traversing wheel
· Only for flat rail
· With flange



◀R Type, S Type▶

I-Beam

Traversing wheel

· Only for I-Beam
· With flange : R Type,
S Type(More than 5t)
· Without flange : S Type(1/2~2.8t)

