

S Type Series

Strong type High speed type 1/2t~60t

Traverse brake

Disc type DC brake
The brake torque can be adjusted.

Tie Bolts

Secured by a grooved nut and split pin.

Electromagnetic brake

Not exceeding 5t: Disc braked with auto-adjustment device.
More than 7.5t: Disc brake that allows to adjust a gap easily.

Control box

The cover can be opened and closed by one-touch operation.

Traverse deceleration section

Grease lubrication, simple 2-step deceleration, and totally enclosed structure.

Traverse Motor

Squirrel-cage type with Class B insulation.

Hoisting deceleration section

Oil lubrication
1/2t~3t: simple 2-step deceleration.
5t: Simple 3-step deceleration.
7.5t or more: Planet 2-step deceleration.

Drum-Casing

Built of rugged steel plate.

Hoisting limit switch

2-step hoisting limit switch (Avoid using this switch for regular use.)

Wire rope

Parallel stranded rope is used. The rope end is clamped by pressure welding. (Not exceeding $\phi 14$)

Hook block

Hook with an all-surface cover and a hook latch

Safety devices

※Optional equipment:
Over loading monitor (O.L.M) device,
Emergency brake
1t~60t optional equipment

Safety Function

●Over loading monitor

- Overload is electrically detected.(at only hoisting operation)
- The buzzer is factory-set to activate at a 125% load.
- ※However,the buzzer activate at 100% or lower loads in certain environments,based on the power voltage etc.It is not trouble, please make the adjustment to turn the volume.

●Number of starts •Operating hours display

- Checking the usage conditions which are from the point of purchase.
- Having erasable operating hours and number of starts counter.
- The time to change the consumptive parts is visible,and contribute to preventive maintenance.

●Failure history display

- Checking a monitor if a hoist stops operation, it contributes to identify the reason for the failure.

S type offers the best lifting speed, power and durability in this class.

Specifications

Type	Capacity(t)	Lift(m)		Wire rope			Hoisting								Traversing																																				
															Mono-rail · Low-head						Double-rail																														
				Rope specification			Speed m/s (m/min)				Motor				Speed m/s (m/min)				Motor				Speed m/s (m/min)				Motor																								
				Monorail type	Lowhead type	Double railtype	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz																							
2talls	4talls	4talls																																																	
S	1/2	6	12	8	φ 6.3	—	φ 4	—	6×W (19) B class JISG3525	0.183 (11)	0.217 (13)	1.0	1.2	6.9	6.5	4	0.35 (21)	0.417 (25)	0.22	0.26	1.6	1.5	4	0.35 (21)	0.417 (25)	0.5	0.6	3.2	3.1	—	—	—	—	—	—	4															
	φ 8 ※3				—	φ 6.3	—	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	φ 10				—	φ 8	—	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	φ 12.5				—	φ 9	φ 9	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	φ 12.5				—	φ 9	φ 9	6×Fi (29) JISG3525	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—				φ 11.2	φ 11.2	φ 11.2	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—				φ 14	φ 14	φ 14	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—				φ 16	φ 16	φ 16	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—				φ 20	—	φ 20	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—				φ 22.4	—	φ 22.4	—	—	—	—	—	—	—	—															—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	30	—	—	—	φ 25	6×Fi (29) B class JISG3525	0.0467 (2.8)	0.055 (3.3)	17	20	77	84	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																
	40	6.5	—	—	—	φ 22.4 (8talls) ※1	6×Fi (29) B class JISG3525	0.035 (2.1)	0.0417 (2.5)	75	83	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																	
	45	—	12.5	—	—	φ 25 (8talls) ※1	6×Fi (29) B class JISG3525	0.03 (1.8)	0.0367 (2.2)	77	84	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																
	60	※2	—	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—																

※1 40t has 8falls and 45t has 6falls.(Regarding 60t, please inquire separately)

※2 Please contact us for 60t separately

※3 Rope specification of 11 2falls is 6×Fi(29)

Standard specifications

●Power supply:·····3-phase 200V 50/60Hz control 200V, 220V 60Hz control 220V (400V class is also available)·····3-phase 400V 50/60Hz control 200V, 440V 60Hz control 220V 3-phase 380V 50Hz control 48V (100V and 24V are also available)

●Operating method:·····Push button switch operations

	1/2~3t	5~45t
Suspended type	2 Points	4 Points
Frame mounted type	U D	ON OFF U D
Motor operated traversing hoist	6 Points	8 Points
	U D E W S N	ON OFF U D E W S N

●Rating·····30 min.(JIS C 9620)

●Power supply system·····Both trolley feeding and cable feeding are available. However, neither trolley nor cable is attached.

●Enclosure·····Simplified out door type (JIS C0920, equivalent to IP44)

●Applicable standard·····JIS C 9620 electric hoist/crane structure standard

●Color coating·····Main body: Metallic gray(Equivalent to Munsell N4.0)

Hook block:Munsell 7.5YR7/14

Pushbutton:Equivalent to Munsell 7.5YR7/13

●Ambient air temperature·····-10°C to 40°C (Non congelation)

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