

ISO 9001 & KSA 9001

MADE IN KOREA

LICENCED BY MITSUBISHI FA INDUSTRIAL CORP.



LGM HOIST

A NEW NAME OF...



LG HOIST



TECHNOLOGY GUARANTEE

STABILITY ■

CREDIBILITY ■

ECONOMICS ■

ELECTRIC HOIST

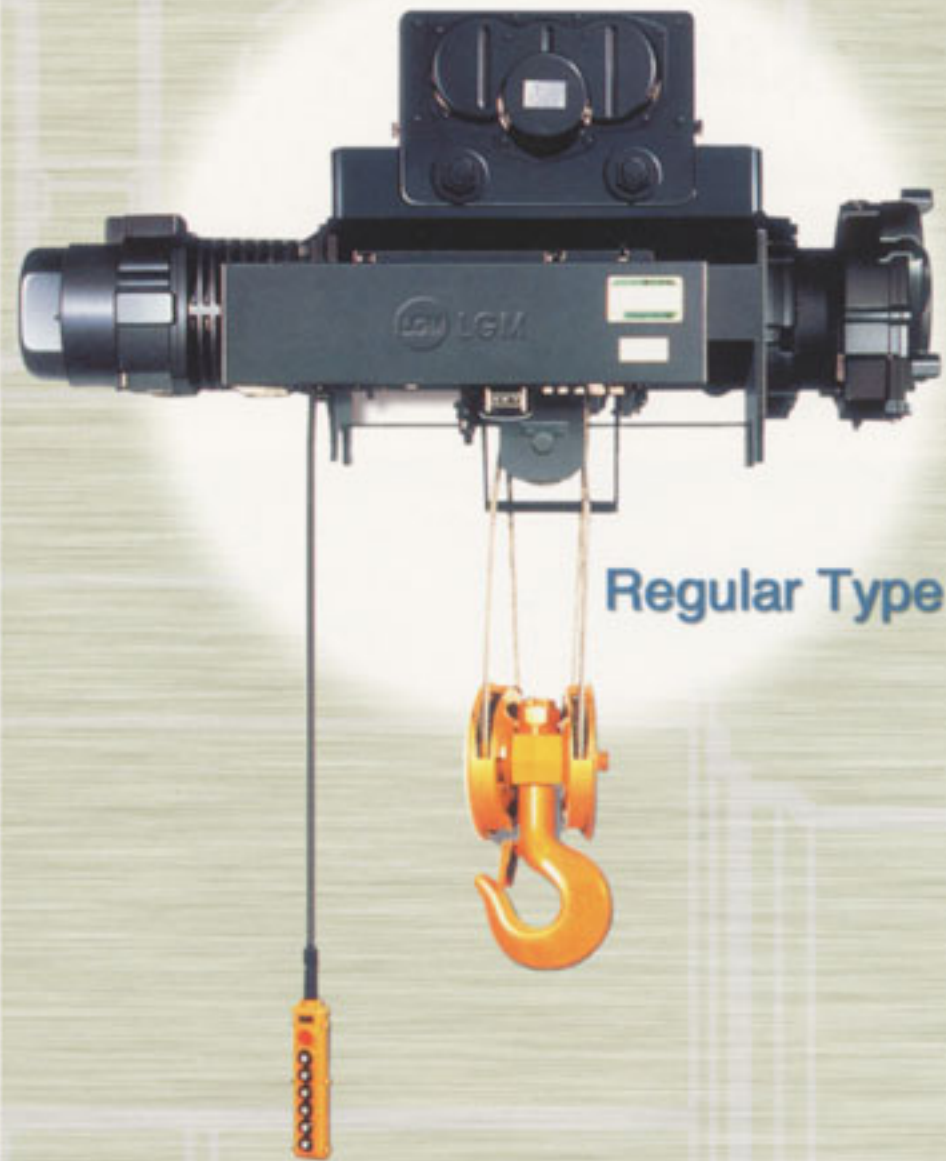


LGM HOIST Co.,Ltd.
www.lghoist.com

With the adoption of emergency brake preventing free falling, we guarantee not only security but also credibility. We made the brake for the first time in South Korea with the technical cooperation with MITSUBISHI Electric FA Industrial Corporation.

Company History

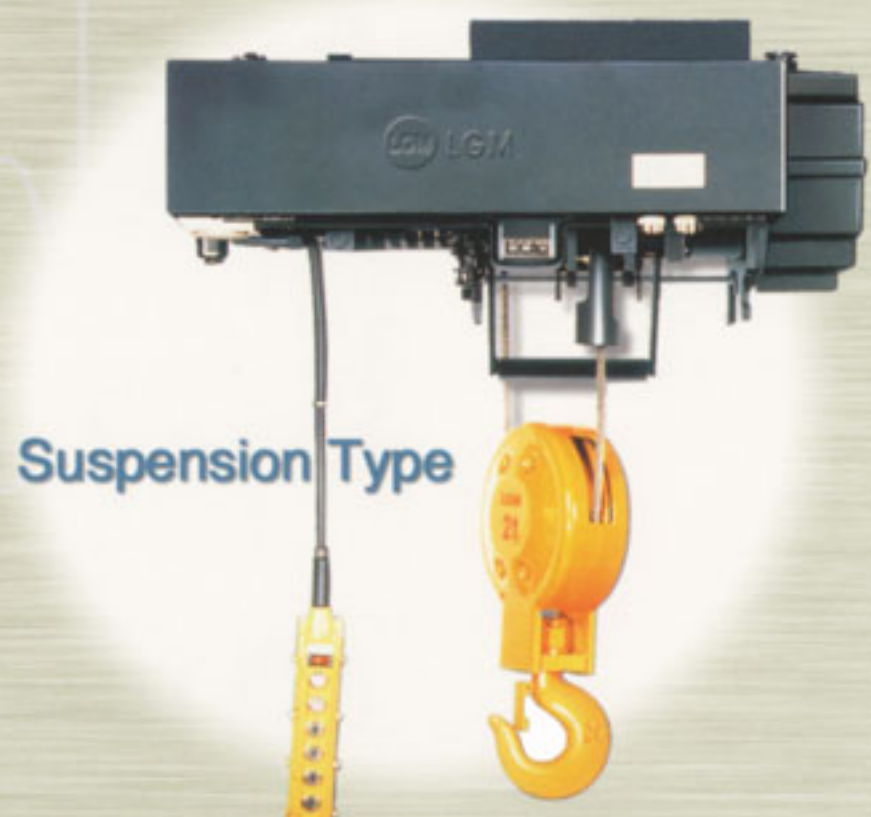
- May 1988 LG INDUSTRIAL SYSTEM CO.,LTD. started the Hoist business
- December 1988 Signed the first contract with Mitsubishi Electric Co.,Ltd.(all 8 models)
- March 1990 Started hoist production
- June 1996 Signed the second contract with Mitsubishi Electric Co.,Ltd. (all 49 models)
- August Signed a contract with Mitsubishi Electric Co.,Ltd. third time (all 10 models)
- April 2002 Incorporated under the name of LGM Hoist Co.,Ltd. separated from LG INDUSTRIAL SYSTEM CO.,LTD. after the succession in Mitsubishi' s technology
- May 2002 Accredited with ISO 9001
- August 2003 Electronically-controlled inverter hoist developed (Patent acquired)



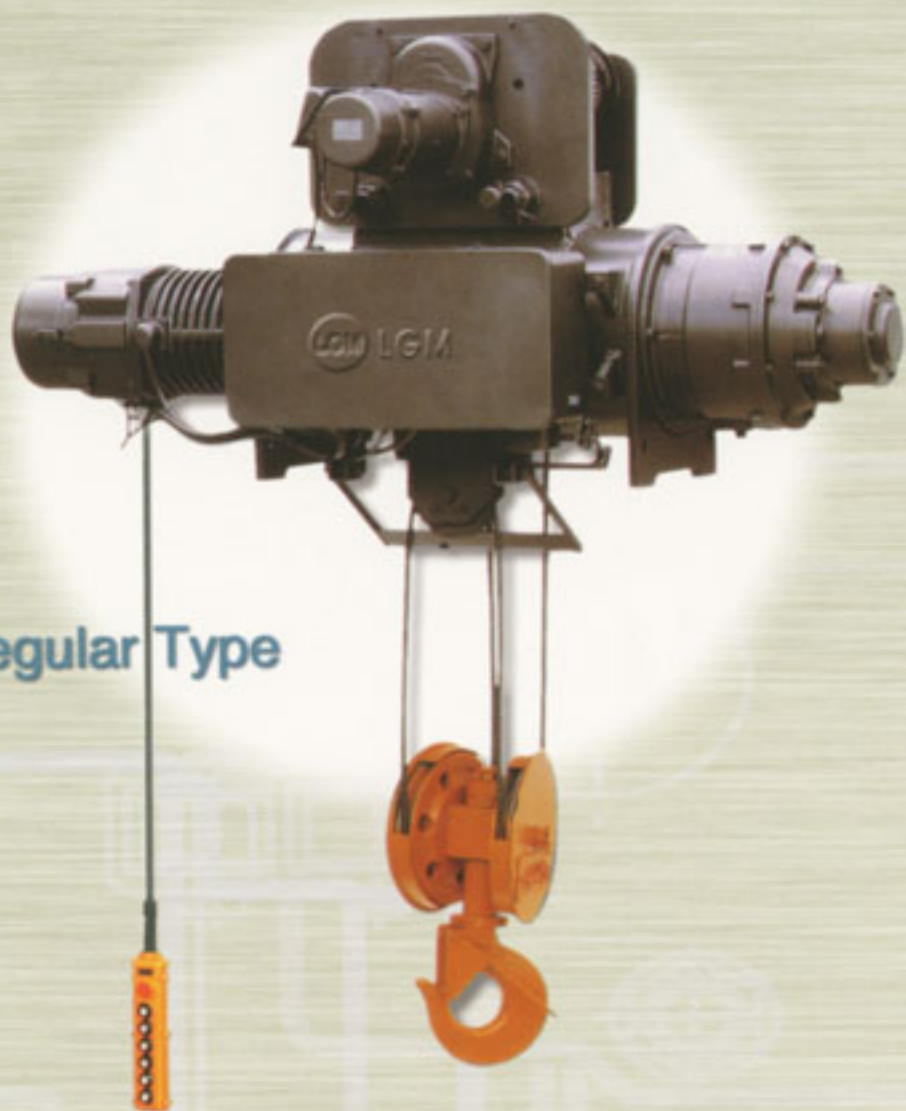
Regular Type



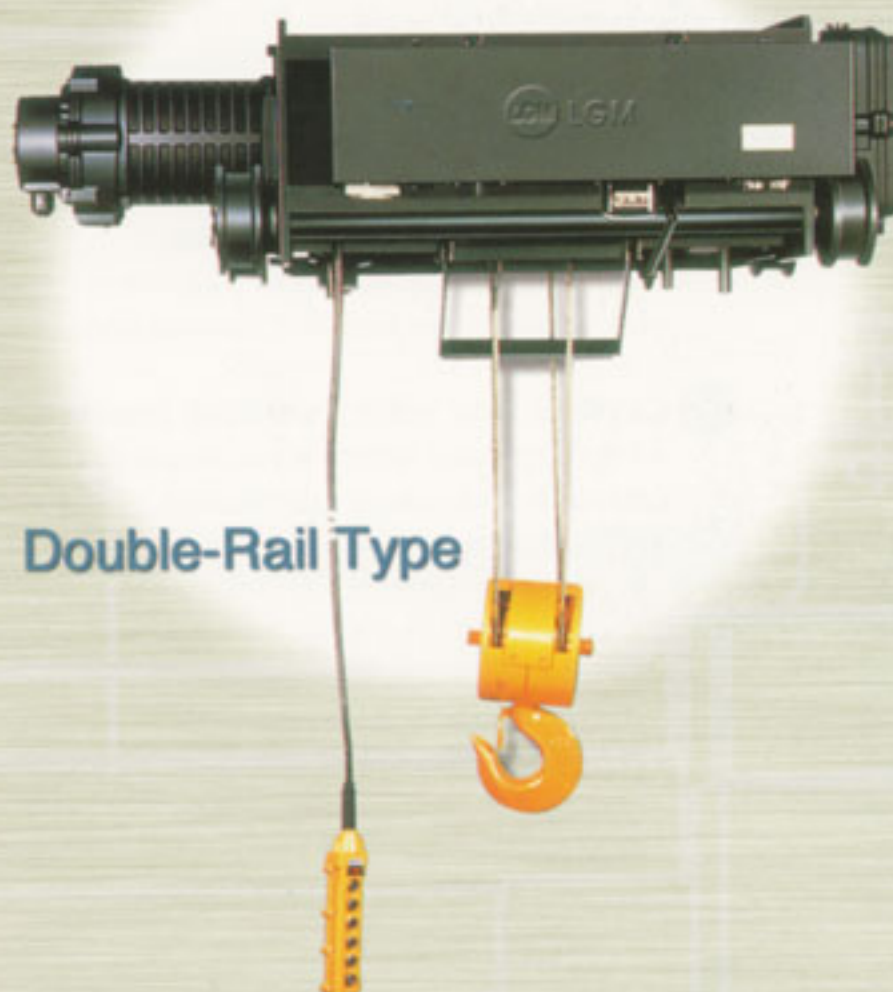
MAIN & AUX. HOIST



Suspension Type



Regular Type



Double-Rail Type



LOW HEAD TYPE DOUBLE



Creep Type

C O N T E N T S

- 4 *Hoist inside structure*
- 6 *Hoist model list*
- 8 *Regular Type Suspension Hoist*
- 10 *Regular Type Hoist With Hand-Push Trolley*
- 11 *Low-Head Type Hoist With Motor-Driven Trolley*
- 12 *Regular Type Hoist With Motor-Driven Trolley*
- 14 *Double-Rail Type Hoist With Motor-Driven Trolley*
- 16 *Regular Type Creep Hoist With Motor-Driven Trolley*
- 18 *Double-Rail Type Creep Hoist With Motor-Driven Trolley*
- 20 *Double-Rail Type Hoist With Motor-Driven Trolley*
- 21 *Double-Rail Main & Aux. Type Hoist With Motor-Driven Trolley*
- 22 *Geared Motor For Saddle*

The Inside Construction

1 Traverse Brakes with Adjustable Torque

DC voltage magnetic disc brakes provide easy electrical control of the traverse motor. The brake torque can be adjusted to provide the ideal level of inertia for the particular application.

- *H-type are equipped with DC current magnetic disc brakes.
- *S-1/2 type are not fitted with traverse brake.

2 Control Box with Overload prevention System

A microprocessor system automatically detects overloads or ensure total safety. For ease of maintenance, the cover can be opened or secured by means of one-touch catch clips.(S-type, standard by model only)
(NOTE : Power conditions in certain parts of the world mean that in some cases units must be shipped without this circuit)

3 DC Electromagnetic Brakes with Auto-Adjusting Mechanism

these DC disc brakes are electromagnetically operated and will provide years of trouble-free service. The core gap is automatically adjusted according to the degree of friction on the brake surface to ensure a stable braking action.

- *H-type are fitted with AC auto-adjusting brakes.

4 Hoist Motor

This high-resistance diecast motor combines a low starting current with a high starting torque. There is no initial buildup of heat and inching operations are easy.

5 2-Step Hoist-Limiting Switch

The first step cuts off the hoist control circuit. The second shuts off the main power supply circuit under abnormal conditions, such as reverse-phase connection, reverse winding or fused connections.

6 Totally Enclosed Traverse Gear Assembly

The grease-lubricated tooth-gear system is fully enclosed to shut out harmful dust and prevent cog and shaft wear.(S and R type)

7 Side Plate for Traverse

The connection between the wheelshaft and the side plate is based on newly developed technology and provides total load security.

8 Flangless Wheels and Guide Rollers (S-Type)

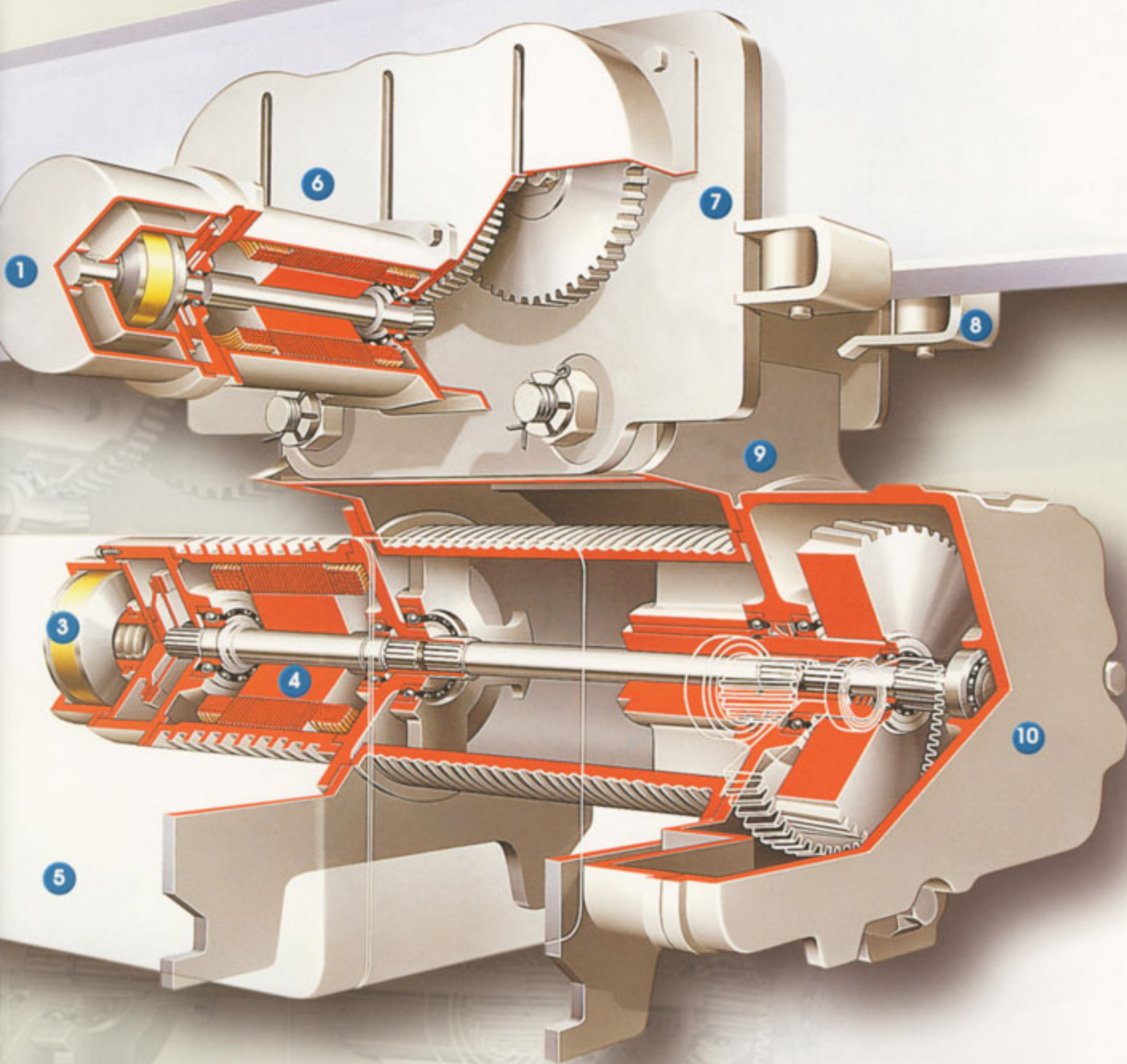
Friction between the I-beam and wheels has been minimized to ensure smooth traverse. The guide rollers are located on the outside of the side plate for easy maintenance and inspection.

9 Steel Frame

Strength and reliability have been further enhanced by means of a design based on sophisticated mechanical analysis techniques.

10 Simplified Hoist Gear System

A simple 2-stage reduction system has been used for even quieter hoist operation.(S and R type)
*H-type planetary gears



Technology guarantees stability,
credibility, economics.

List of standard models

Models	Capacity (t)	Suspension Hoist		Stand type		Regular Type Hoist				Low-Head Type Hoist	Double-rail Type	
		LH	HH	LS	HS	Hand-Push Trolley		Motor-driven Trolley				
						LP	HP	LN	HN	LD	LW	HW
Normal Type	1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
	2	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	2.8	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	3	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	5	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	7.5		⊙		⊙		-		⊙	-		⊙
	10		⊙		⊙		-		⊙	-		⊙
	15		-		⊙		-		⊙	-		⊙
	20		-		⊙		-		⊙	-		⊙
	30		-		⊙							⊙
	40											⊙
	45											⊙
60											⊙	
Creep type	1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
	2	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	2.8	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	3	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	5	⊙	⊙	⊙	⊙	-	-	⊙	⊙	⊙	⊙	⊙
	7.5		⊙		⊙				⊙			⊙
	10		⊙		⊙				⊙			⊙
	15				⊙				⊙			⊙
	20				⊙				⊙			⊙
30				⊙				⊙			⊙	
Main & Aux. Type	10/3											⊙
	15/5											⊙
	20/5											⊙
	30/5											⊙
	30/10											⊙

Note) ⊙mark means normal type.

Crane related equipment

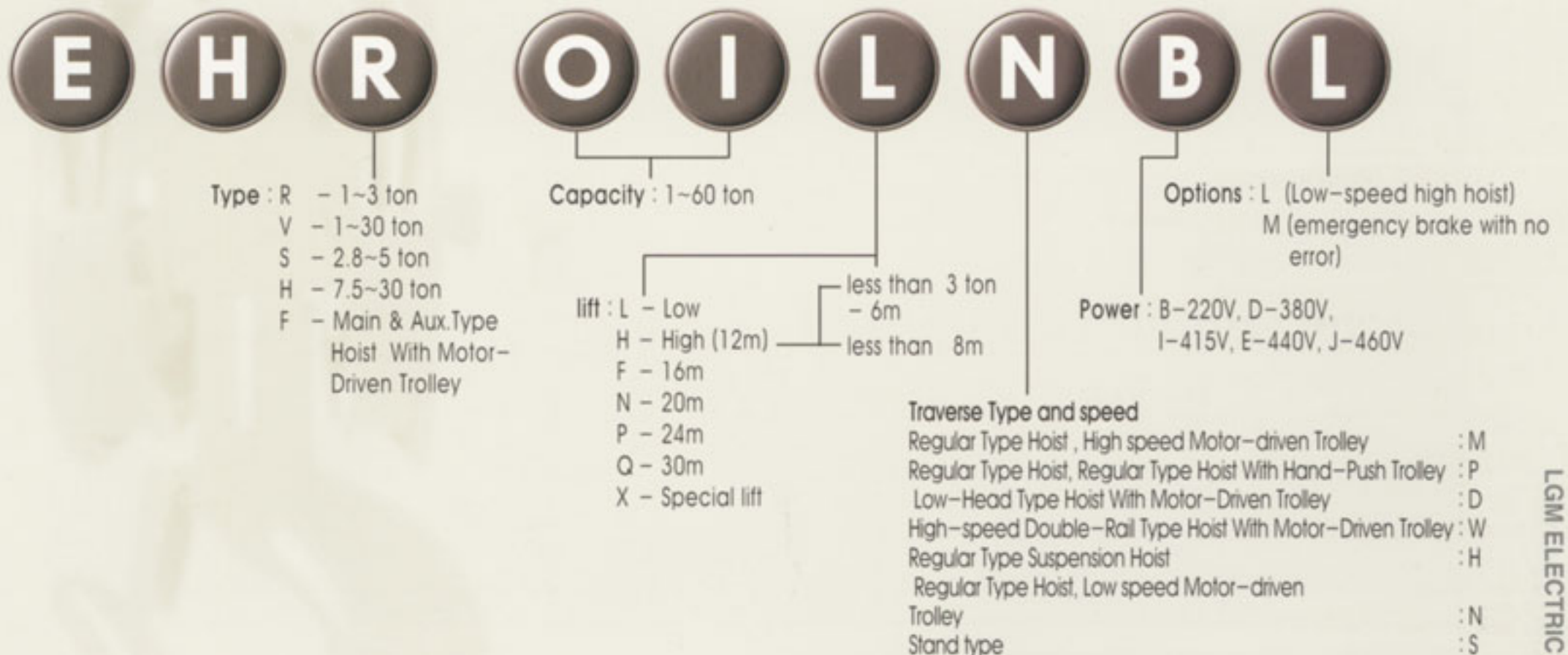
Geared motor		
0.75kW	1.5kW	2.2kW
○	○	○

Semi-standard model Lists

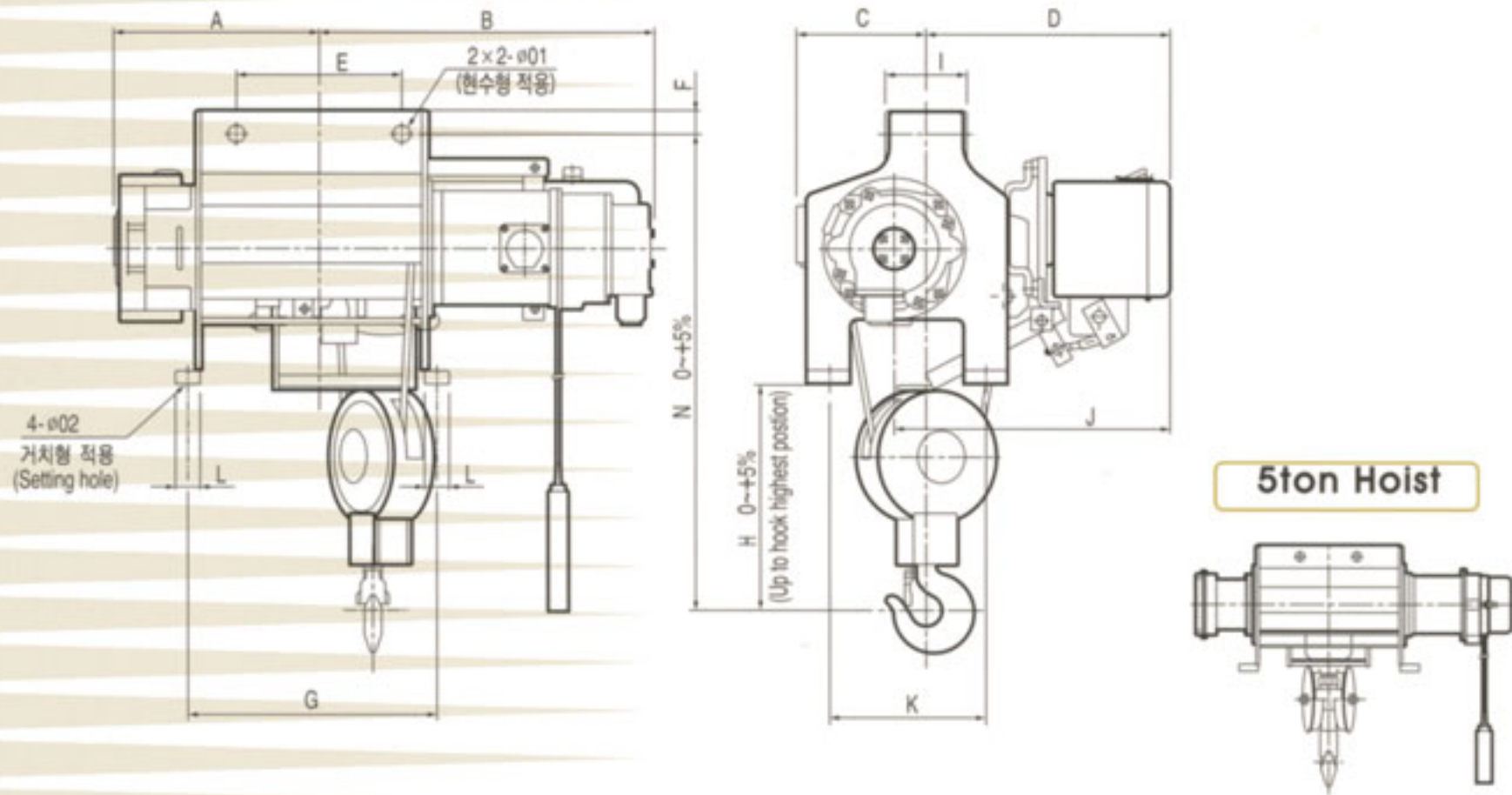
Capacity (t)	Special voltage	height lift						hoist speed					Traverse speed		Protection structure		Etc.			
		16m		20m		24m	30m		high-speed type		Low-speed type			a half-speed	quarter-speed	Rain protective type	explosion-proof against internal pressure type	Painting color designation	Wide I-Beam	Bogie type Trolley
		Regular Type Creep Hoist	Regular Type Hoist	Double-Rail Type Hoist	Regular Type Hoist	Regular Type Hoist	Double-Rail Type Hoist	Speed (m/min)		Super-high speed	a half-speed	quarter-speed								
								50 Hz	60 Hz											
1	⊙	-	-	-	⊙	⊙		16.7	20	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
2	⊙	-	-	-	⊙	⊙		12.5	15	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
2.8	⊙	-	-	⊙	⊙	⊙	⊙	11.2	13.5	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
3	⊙	-	-	⊙	⊙	⊙	⊙	11.2	13.5	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
5	⊙	-	⊙	⊙	-	⊙	⊙	10	12	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
7.5	⊙	-	⊙	⊙	-	⊙	⊙	5.6	6.7	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
10	⊙	-	⊙	⊙	-	⊙	⊙	6.2	7.5	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
15	⊙	-	-	-	-	⊙	⊙	4.2	5	⊙	-	-	-	-	-	-	⊙	-	-	-
20	⊙	-	-	-	-	⊙	⊙	-	-	-	-	-	-	-	-	-	⊙	-	-	-
30	⊙	-	-	-	-	⊙	⊙	-	-	-	-	-	-	-	-	-	⊙	-	-	-

Note) ⊙mark means semi-normal type, - is ordered item.

Explanation for ordered goods' types



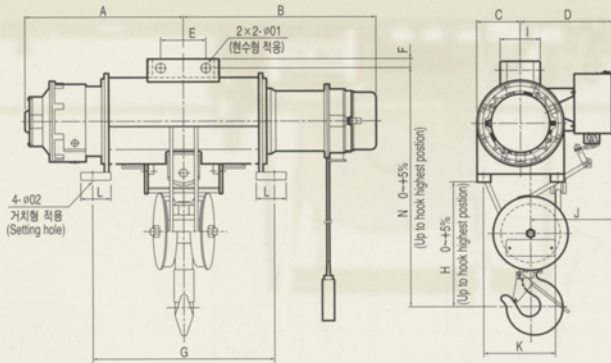
Regular Type Suspension Hoist



Capacity (ton)			1	2	2.8	3	5
Max. lift (m)			6(12)	6(12)	6(12)	6(12)	8(12)
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	6.7/8.0	6.0/7.2	6.0/7.2	6.0/7.2	6.7/8.0
		Low speed 50/60(Hz)	4.3/5.2	3.7/4.4	3.7/4.4	3.7/4.4	4.5/5.3
	Hoisting motor(kw × p)	High speed	1.4 × 4	2.6 × 4	3.6 × 4	3.8 × 4	7.5 × 4
		Low speed	1.0 × 6	1.6 × 6	2.3 × 6	2.5 × 6	5.0 × 6
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia.(mm) × no.of ropes	8 × 2	10 × 2	12.5 × 2	2.5 × 2	11.2 × 4
Hoisting Brake		D.C magnet disc brake					A.C magnet disc brake
Dimension (approx.) (mm)	A	283(489)	284(485)	343(558)	343(558)	646(771)	
	B	468(507)	532(566)	565(610)	565(610)	920(1045)	
	C	182	174	200	200	226	
	D	347	368	393	393	410	
	E	(230)	230	230	230	290	
	F	33	43	48	48	60(61)	
	G	-	-	-	-	850(1100)	
	H	-	-	-	-	420	
	I	117	151	151	151	229	
	J	393	409	433	433	440	
	K	-	-	-	-	320	
	L	-	-	-	-	115	
	N	665	765	910	910	905	
φ 01	24	33	33	33	38		
φ 02	-	-	-	-	28		
Weight (approx.) (kg)			120(135)	170(200)	260(300)	260(300)	510(580)

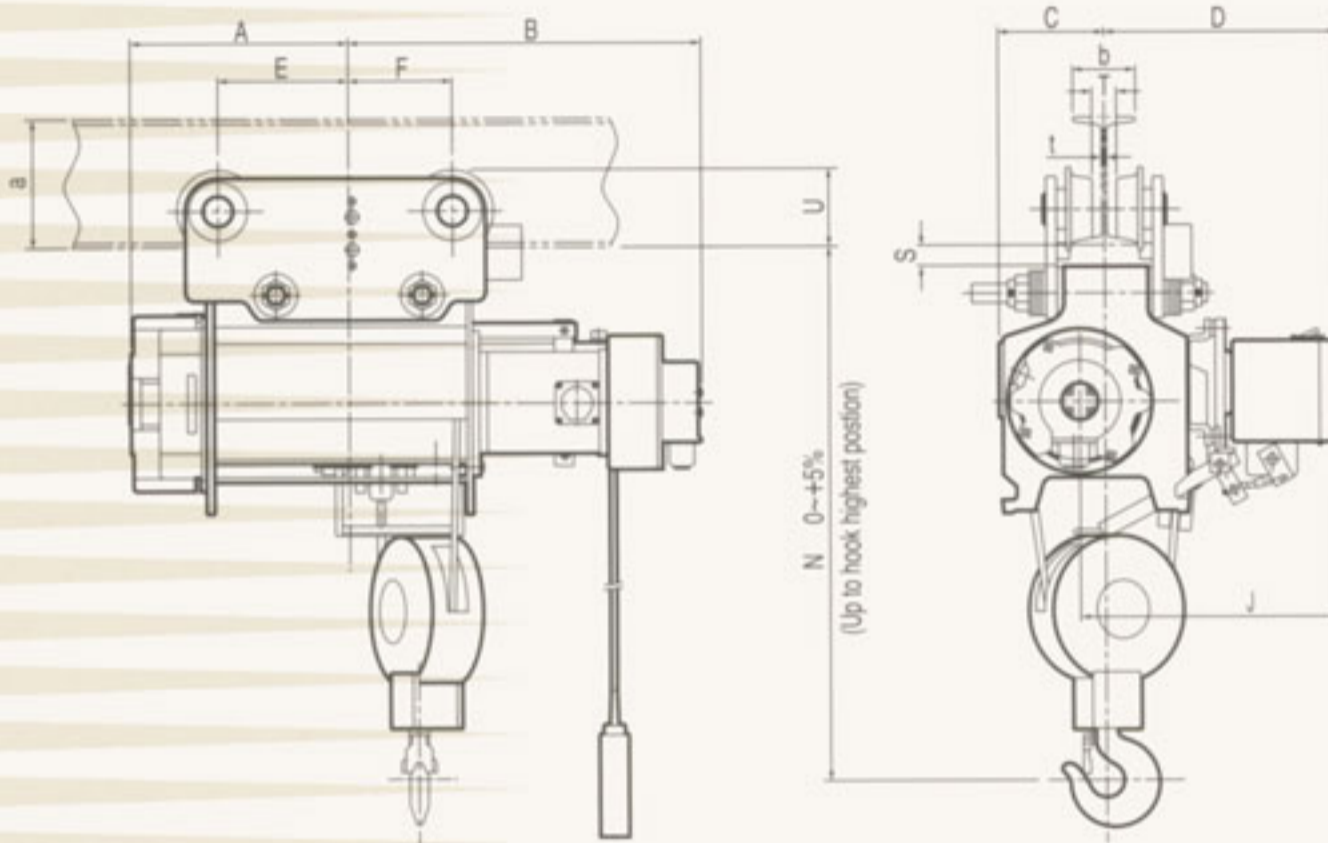
Note : Figures in Parentheses are for hoist of 12-meter lift.

Regular Type Suspension Hoist



Capacity (ton)		7.5	10	15	20	30	
Max. lift (m)		12	12	12	12	12	
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	5.8/7.0	5.0/6.0	5.0/6.0	4.2/5.0	2.8/3.3
		Low speed 50/60(Hz)	3.8/4.6	3.7/4.5	3.7/4.5	3.1/3.75	2.1/2.5
	Hoisting motor(kw x p)	High speed	10 x 4	12 x 6	20 x 6	20 x 6	20 x 6
		Low speed	6.7 x 6	9 x 8	15 x 8	15 x 8	15 x 8
	Wire rope	Construction	6 x F(29)	6 x F(29)	6 x F(29)	6 x F(29)	4 x F(29)
Dia.(mm) x no.of ropes		14 x 4	16 x 4	20 x 4	22.4 x 4	25 x 4	
Hoisting Brake		D.C magnet disc brake					
Dimension(approx.) (mm)	A	860	927	1047	1097	1310	
	B	1129	1084	1235	1235	1285	
	C	215	245	295	320	385	
	D1	458	493	558	583	-	
	D2	458	493	558	583	-	
	E	300	320	800	800	-	
	F	55	60	80	100	-	
	G	1170	1170	1260	1260	1380	
	H	580	670	810	870	960	
	I	252	252	225	225	-	
	J	443	480	563	593	633	
	K	370	370	500	500	620	
	L	140	150	170	170	200	
M(Wire rope max.)	910	870	960	945	990		
N	1165	1380	1680	1800	-		
φ01	47	53	78	103	-		
φ02	35	35	47	47	54		
Weight (approx.) (kg)		690	1070	1500	1850	3150	

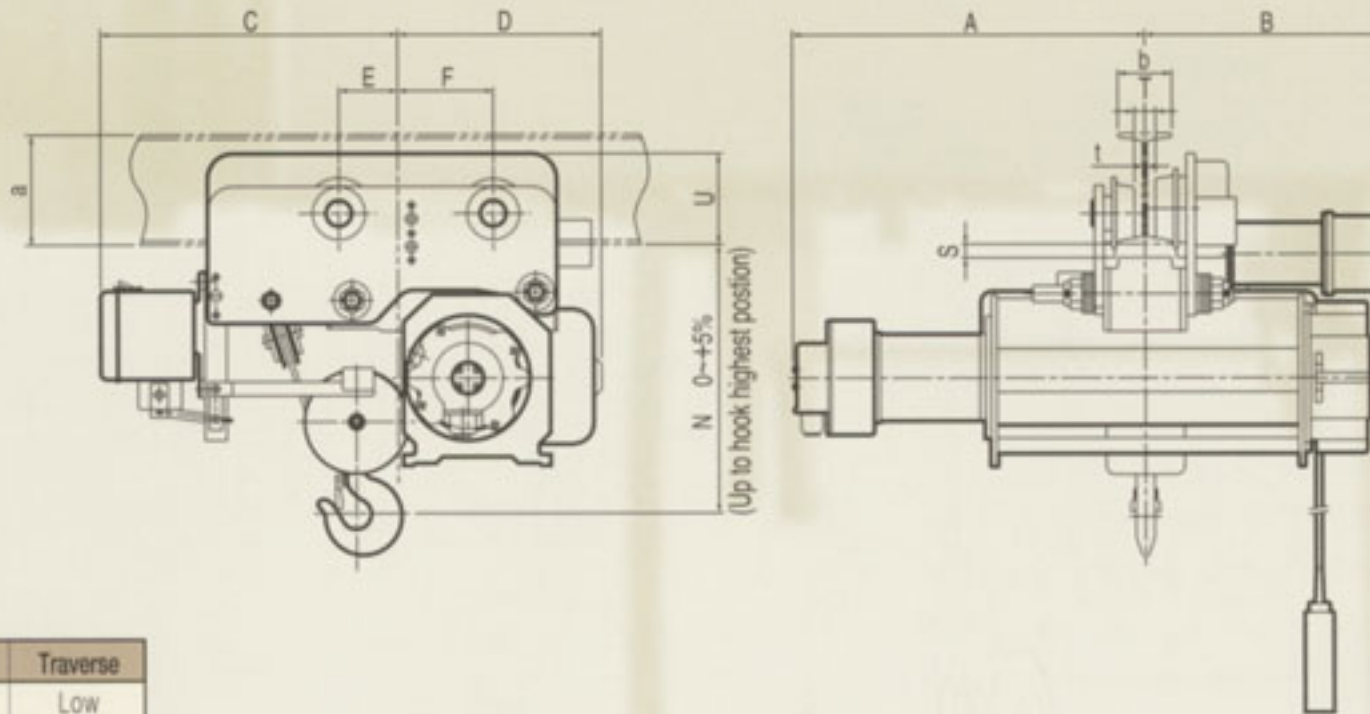
Regular Type Hoist With Hand-Push Trolley



Capacity (ton)			1			2		
Max. lift (m)			6(12)			6(12)		
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	6.7/8.0			6.0/7.2		
		Low speed 50/60(Hz)	4.3/5.2			3.7/4.4		
	Hoisting motor(kw x p)	High speed	1.4 x 4			2.6 x 4		
		Low speed	1.0 x 6			1.6 x 6		
	Wire rope	Construction	6 x Fi(29)			6 x Fi(29)		
		Dia.(mm) x no.of ropes	8 x 2			10 x 2		
Hoisting Brake			D.C magnet disc brake					
Dimension(approx.) (mm)	A	283(489)			284(485)			
	B	468(507)			532(566)			
	C	182			210			
	D	347			368			
	E	(170)			(165)			
	F	105(170)			(265)			
	J	393			409			
N	730			840				
I-beam and spacing (mm)	a x b x t	S	T	U	S	T	U	
	150 x 75 x 5.5	33	24	95	-	-	-	
	200 x 100 x 7	33	48	95	31	40	122	
	250 x 125 x 7.5	31	74	97	29	64	124	
300 x 150 x 10	-	-	-	28	90	125		
Min. radius of curvature (m)			-			-		
Weight(approx.) (kg)			-			-		

Note : 1. Figures in Parentheses are for hoist of 12-meter lift.
2. Dimensions of I-Beam sections are standard ones.
other I-Beam also be used by changing spacers .

Low-Head Type Hoist With Motor-Driven Trolley



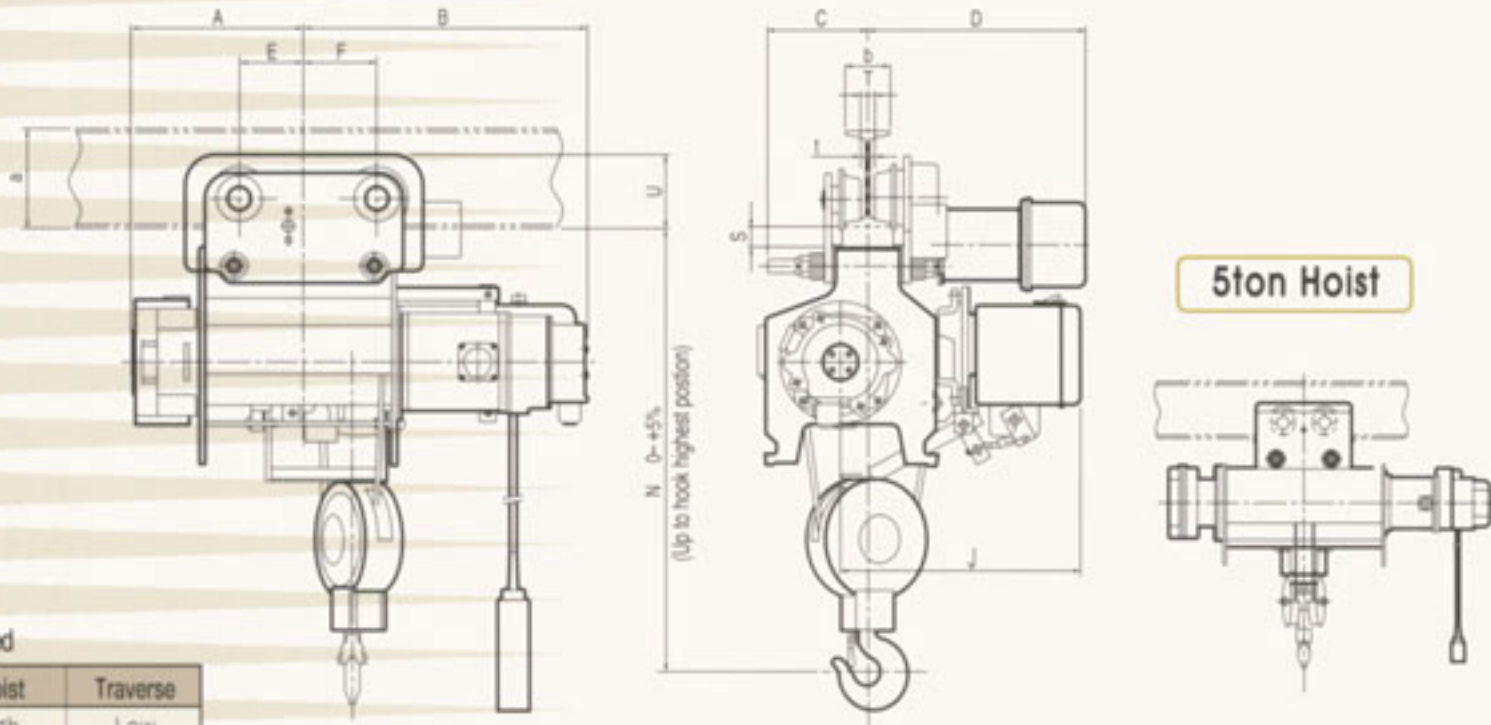
*Regular model speed

Capacity	hoist	Traverse
1~3ton	High	Low
5ton	Low	Low

Capacity (ton)			1	2	2.8	3	5									
Max. lift (m)			6	6	6	6	8(12)									
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	6.7/8.0	6.0/7.2	6.0/7.2	6.0/7.2	6.7/8.0									
		Low speed 50/60(Hz)	4.3/5.2	3.7/4.4	3.7/4.4	3.7/4.4	4.5/5.3									
	Hoisting motor(kw x p)	High speed	1.4 x 4	2.6 x 4	3.8 x 4	3.8 x 4	7.5 x 4									
		Low speed	1.0 x 6	1.6 x 6	2.4 x 6	2.4 x 6	5.0 x 6									
	Wire rope	Construction	6 x W(19)	6 x Fi(29)	6 x Fi(29)	6 x Fi(29)	6 x Fi(29)									
Dia.(mm) x no.of ropes		6.3 x 4	8 x 4	9 x 4	9 x 4	11.2 x 4										
Hoisting Brake			D.C magnet disc brake				A.C magnet disc brake									
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	21/25	21/25	21/25	21/25	21/25									
		Low speed 50/60(Hz)	11/13	11/13	11/13	11/13	13/16									
	Traversing motor(kw x p)	High speed	0.26 x 4	0.6 x 4	0.6 x 4	0.6 x 4	1.0 x 4									
		Low speed	0.13 x 8	0.3 x 8	0.3 x 8	0.3 x 8	0.6 x 6									
Traversing Brake			D.C magnet disc brake													
Dimension(approx.) (mm)	A	583	656	695	695	920(1045)										
	B	426	415	437	437	646(711)										
	C	418	465	478	478	518										
	D	343	455	515	515	542										
	E	105	110	110	110	185										
	F	120	175	175	175	175										
	N	405	485	515	515	650										
I-beam and spacing (mm)	a x b x t	S	T	U	S	T	U	S	T	U	S	T	U	S	T	U
	150 x 75 x 5.5	19	24	140	-	-	-	-	-	-	-	-	-	-	-	-
	200 x 100 x 7	19	48	140	23	40	167	-	-	-	-	-	-	-	-	-
	250 x 125 x 7.5	17	74	142	21	64	169	23	64	169	23	64	169	-	-	-
	300 x 150 x 8	-	-	-	20	90	170	22	90	170	22	90	170	31	72	189
450 x 175 x 13	-	-	-	-	-	-	-	-	-	-	-	-	27	96	193	
Min. radius of curvature (m)			2.0	3.0	3.0	3.0	5.0									
Weight(approx.) (kg)			170	260	350	350	570(640)									

Note : 1. Figures in Parentheses are for hoist of 12-meter lift.
 2. Dimensions of I-Beam sections are standard ones, other I-Beam also be used by changing spacers .

Regular Type Hoist With Motor-Driven Trolley



⊛Regular model speed

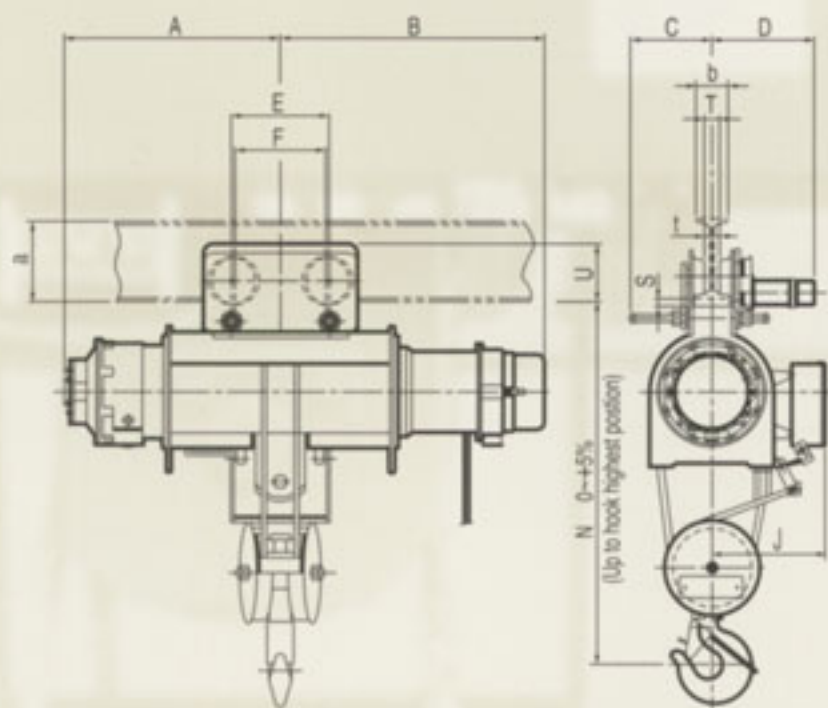
Capacity	hoist	Traverse
1~3ton	High	Low
5ton over	Low	Low

Capacity (ton)			1				2				2.8				3				5			
Max. lift (m)			6(12)				6(12)				6(12)				6(12)				8(12)			
Hoist	Hoisting speed (m/min)	High speed 50/60(Hz)	6.7/8.0				6.0/7.2				6.0/7.2				6.0/7.2				6.7/8.0			
		Low speed 50/60(Hz)	4.3/5.2				3.7/4.4				3.7/4.4				3.7/4.4				4.5/5.3			
	Hoisting motor (kw × p)	High speed	1.4 × 4				2.6 × 4				3.6 × 4				3.8 × 4				7.5 × 4			
		Low speed	1.0 × 6				1.6 × 6				2.3 × 6				2.4 × 6				5.0 × 6			
	Wire rope	Construction	6 × Fi(29)				6 × Fi(29)				6 × Fi(29)				6 × Fi(29)				6 × Fi(29)			
		Dia.(mm) × no.of ropes	8 × 2				10 × 2				12.5 × 2				12.5 × 2				11.2 × 4			
Hoisting Brake			D.C magnet disc brake												A.C magnet disc brake							
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	21/25				21/25				21/25				21/25				21/25			
		Low speed 50/60(Hz)	11/13				11/13				10/12.5				10/12.5				13/16			
	Traversing motor(kw × p)	High speed	0.26 × 4				0.6 × 4				0.6 × 4				0.6 × 4				1.0 × 4			
		Low speed	0.13 × 8				0.3 × 4				0.3 × 4				0.3 × 4				0.6 × 6			
Traversing Brake			D.C magnet disc brake																			
Dimension(approx.) (mm)	A	283(489)				284(485)				343(558)				343(558)				646(771)				
	B	468(507)				532(566)				565(610)				565(610)				920(1045)				
	C	182				210				210				210				265				
	E	105(170)				115(205)				115(205)				15(205)				110				
	F	120(170)				115(165)				115(165)				115(165)				110				
	J	393				409				433				433				440				
	N	730				840				980				980				996				
I-beam and spacing (mm)	a × b × t	D	S	T	U	D	S	T	U	D	S	T	U	D	S	T	U	D	S	T	U	
	150 × 75 × 5.5	360	33	24	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	200 × 100 × 7	372	33	48	140	453	31	40	167	-	-	-	-	-	-	-	-	-	-	-	-	
	250 × 125 × 7.5	385	31	74	142	465	29	64	169	465	24	64	169	465	24	64	169	-	-	-	-	
	300 × 150 × 10	-	-	-	-	478	28	90	170	478	23	90	170	478	23	90	170	-	-	-	-	
	300 × 150 × 11.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	512	31	72	189	
450 × 175 × 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	524	27	96	193		
Min. radius of curvature (m)			1.8				2.5				2.5				2.5				2.5			
Weight(approx.) (kg)			150(170)				230(260)				320(360)				320(360)				560(630)			

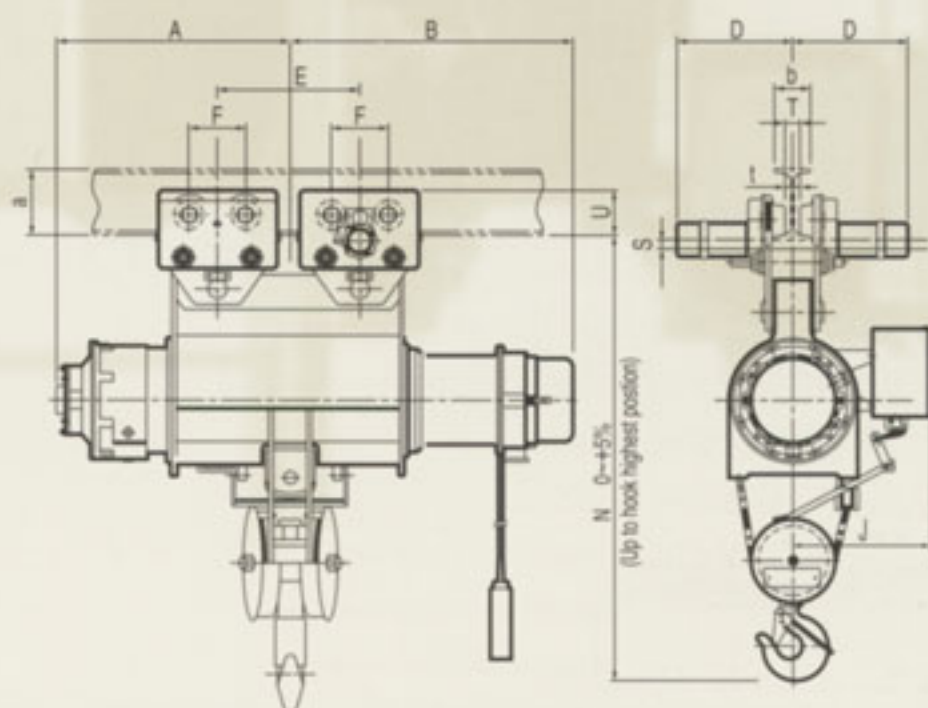
Note : 1. Figures in Parentheses are for hoist of 12-meter lift.
 2. Dimensions of I-Beam sections are standard ones.
 other I-Beam also be used by changing spacers .

Regular Type Hoist With Motor-Driven Trolley

7.5~10ton Hoist



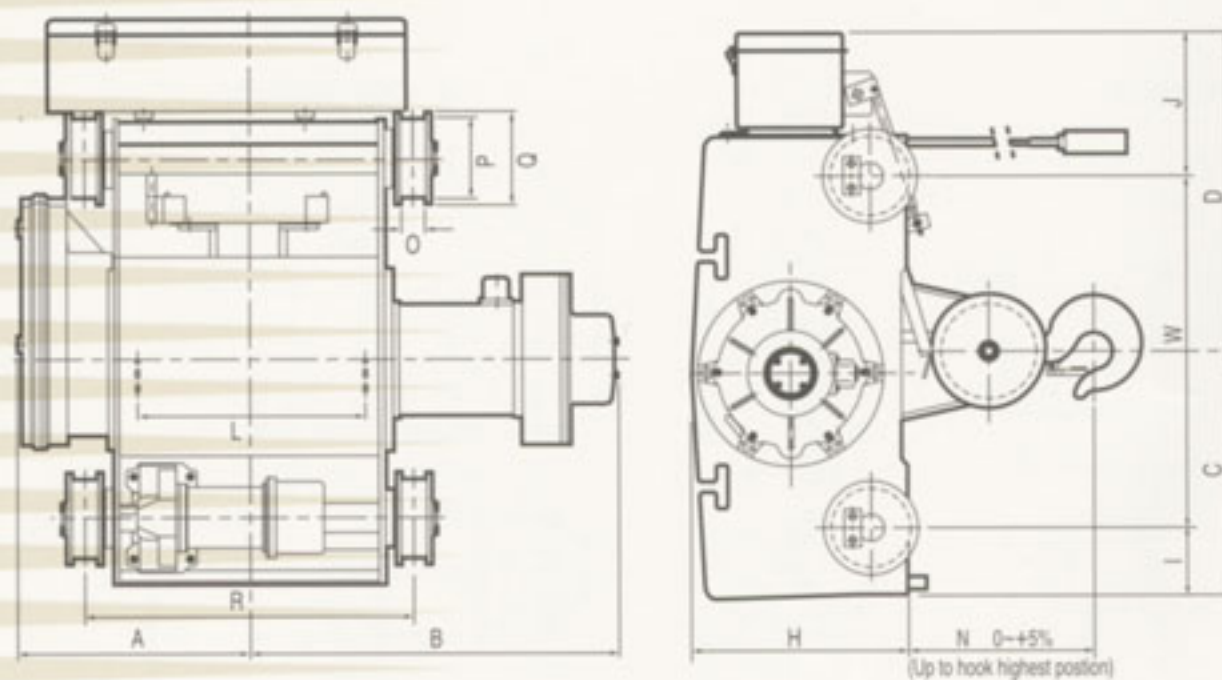
15~20ton Hoist



Capacity (ton)			7.5	10	15	20												
Max. lift (m)			12	12	12	12												
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	5.8/7.0	5.0/6.0	5.0/6.0	4.2/5.0												
		Low speed 50/60(Hz)	3.8/4.6	3.7/4.5	3.7/4.5	3.1/3.75												
	Hoisting motor(kw × p)	High speed	10 × 4	12 × 4	20 × 6	20 × 6												
		Low speed	6.7 × 6	9 × 8	15 × 8	15 × 8												
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)												
		Dia. (mm) × no. of ropes	14 × 4	16 × 4	20 × 4	22.4 × 4												
Hoisting Brake		A.C magnet disc brake																
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	21/15	21/15	21/15	21/15												
		Low speed 50/60(Hz)	8/10	8/10	8/10	8/10												
	Traversing motor(kw × p)	High speed	1.0 × 4	1.8 × 4	(1.0 × 4) × 2	(1.8 × 4) × 2												
		Low speed	0.67 × 6	1.2 × 6	(0.67 × 6) × 2	(0.2 × 6) × 2												
	Traversing Brake		D.C magnet disc brake															
Dimension(approx.) (mm)	A	860	927	1047	1097													
	B	1129	1084	1235	1235													
	C	314	323	-	-													
	E	300	328	800	800													
	F	270	296	300	328													
	J	458	493	558	583													
	N	1270	1450	1930	2090													
I-beam and spacing (mm)	a × b × t	D	S	T	U	D	S	T	U	D	S	T	U	D	S	T	U	
	400 × 150 × 12.5	578	49	58	254	604	49	54	279	-	-	-	-	-	-	-	-	-
	450 × 175 × 13	590	49	82	254	616	49	78	279	590	49	82	254	616	49	78	279	
600 × 190 × 13	598	50	98	253	624	50	94	278	598	50	98	253	624	50	94	278		
Min. radius of curvature (m)		5.0		5.0		Straight Rail				Straight Rail								
Weight(approx.) (kg)		970		1300		2250				2600								

Note : 1. Dimensions of I-Beam sections are standard ones. other I-Beam also be used by changing spacers.
 2. If curved rail requires, this must be indicated in advance.

Double-Rail Type Hoist With Motor-Driven Trolley



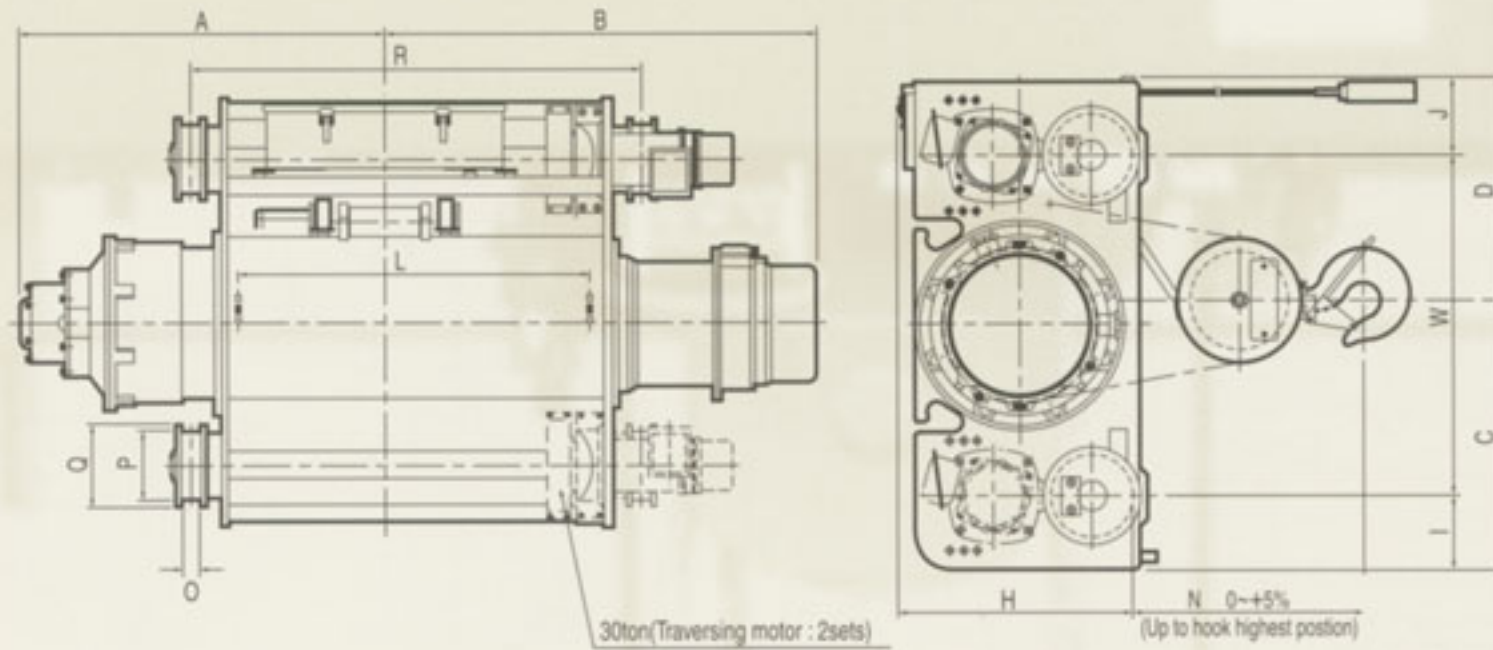
⊛ Regular model speed

Capacity	hoist	Traverse
2.8~5ton	Low	High
7.5ton over	Low	Low

Capacity (ton)			2.8	3	5
Max. lift (m)			6(12)	6(12)	8(12)
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	8.4/10	8.4/10	6.7/8
		Low speed 50/60(Hz)	5.6/6.7	5.6/6.7	4.4/5.3
	Hoisting motor(kw × p)	High speed	5.3 × 4	5.3 × 4	7.5 × 4
		Low speed	3.6 × 6	3.6 × 6	5.0 × 6
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia.(mm) × no.of ropes	9 × 4	9 × 4	11.2 × 4
Hoisting Brake		D.C magnet disc brake		A.C magnet disc brake	
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	15/18	15/18	15/18
		Low speed 50/60(Hz)	10/12	10/12	10/12
	Traversing motor(kw × p)	High speed	0.6 × 4	0.6 × 4	0.6 × 4
		Low speed	0.3 × 8	0.3 × 8	0.3 × 8
	Traversing Brake		D.C magnet disc brake		
Dimension(approx.)(mm)	A	440(590)	440(590)	646(771)	
	B	711(861)	711(861)	920(1045)	
	C	468	468	517	
	D	605	605	418	
	H	410	410	540	
	I	125	125	167	
	J	75	75	88	
	N	345	345	346	
	O	50	50	50	
	P	150	150	150	
	Q	175	175	175	
L(Wire rope max.)	453(753)	453(753)	590(840)		
R(Rail gauge)	650(950)	650(950)	900(1150)		
W(Wheel base)	680	680	680		
Weight(approx.) (kg)		425(475)	425(475)	600(680)	
Rail (kg/m)		12	12	12	

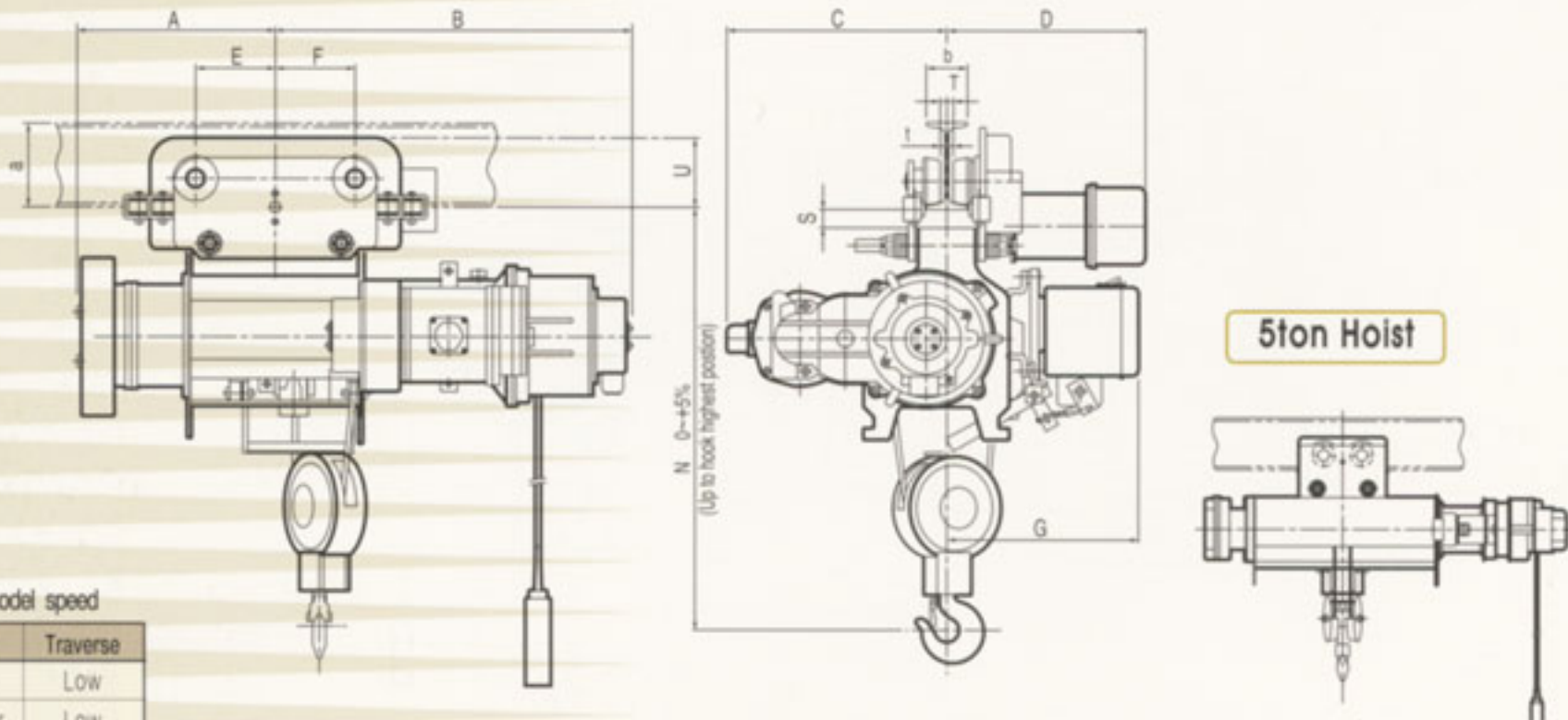
Point : Figures in Parentheses are for hoist of 12-meter lift.

Double-Rail Type Hoist With Motor-Driven Trolley



Capacity (ton)		7.5	10	15	20	30	
Max. lift (m)		12	12	12	12	12	
Hoist	Hoisting speed(m/min)	High speed 50/60(Hz)	5.8/7.0	5.0/6.0	5.0/6.0	4.2/5.0	2.8/3.3
		Low speed 50/60(Hz)	3.8/4.6	3.7/4.5	3.7/4.5	3.1/3.75	2.1/2.5
	Hoisting motor(kw × p)	High speed	10 × 4	12 × 6	20 × 6	20 × 6	20 × 6
		Low speed	6.7 × 6	9 × 8	15 × 8	15 × 8	15 × 8
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia. (mm) × no.of rope	14 × 4	16 × 4	20 × 4	22.4 × 4	25 × 4
Hoisting Brake		A.C magnet disc brake					
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	15/18	15/18	15/18	15/18	15/18
		Low speed 50/60(Hz)	10/12	10/12	10/12	10/12	10/12
	Traversing motor(kw × p)	High speed	1.0 × 4	1.0 × 4	1.8 × 4	1.8 × 4	(1.8 × 4) × 2
		Low speed	0.67 × 6	0.67 × 6	1.2 × 6	1.2 × 6	(1.2 × 6) × 2
	Traversing Brake		D.C magnet disc brake				
Dimension(approx.)(mm)	A	860	927	1047	1097	1310	
	B	1129	1084	1235	1235	1285	
	C	570	613	760	790	850	
	D	583	630	703	723	802	
	H	543	543	743	748	763	
	I	170	170	220	220	220	
	J	223	233	243	248	242	
	N	630	710	860	910	1020	
	O	52	52	58	58	70	
	P	190	190	250	250	250	
	Q	225	225	285	285	285	
	L(Wire rope max.)	910	870	960	945	990	
R(Rail gauge)	1150	1150	1200	1300	1400		
W(Wheel base)	760	840	1000	1045	1190		
Weight(approx.) (kg)		950	1330	2050	2450	3550	
Rail (kg/m)		15	15	22	22	37	

Regular Type Creep Hoist With Motor-Driven Trolley



※ Regular model speed

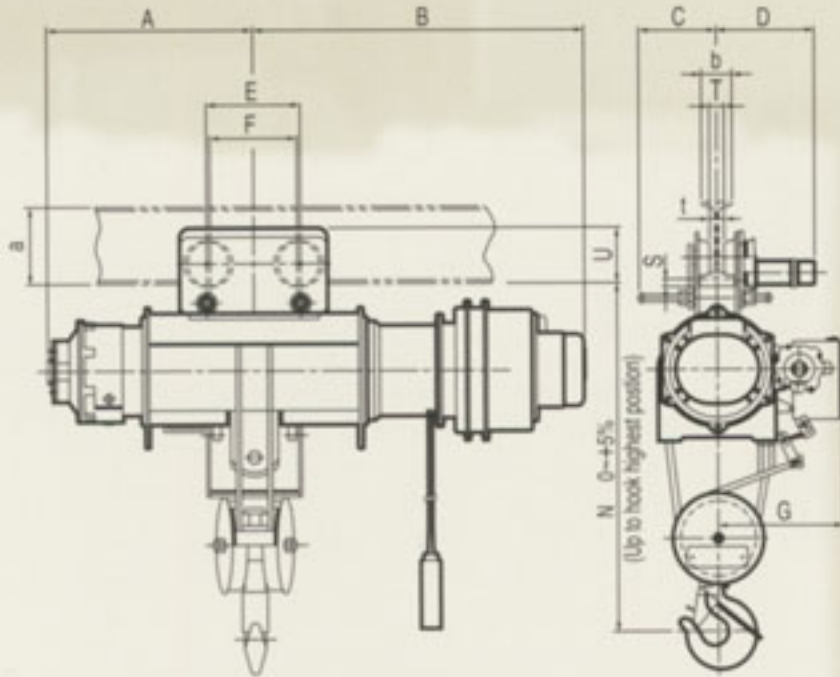
Capacity	Traverse
1~3ton	Low
5ton over	Low

Capacity (ton)			1	2	2.8	3	5														
Max. lift (m)			6(12)	6(12)	6(12)	6(12)	8(12)														
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	11/1.1	8.4/0.84	8.4/0.84	8.4/0.84	4.4/0.44														
		60(Hz)	13/1.3	10/1	10/1	10/1	5.3/0.53														
	Hoisting/Creep motor (kw × p)		2.4/0.6 × 4	3.5/0.6 × 4	5.3/0.6 × 4	5.3/0.6 × 4	5.0/0.8 × 6														
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)														
		Dia.(mm) × no.of ropes	8 × 2	10 × 2	12.5 × 2	12.5 × 2	11.2 × 4														
Hoisting Brake		D.C/D.C magnet disc brake					A.C/D.C magnet disc brake														
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	21/25	21/25	21/25	21/25	21/25														
		Low speed 50/60(Hz)	11/13	11/13	11/13	11/13	11/16														
	Traversing motor (kw × p)	High speed	0.26 × 4	0.6 × 4	0.6 × 4	0.6 × 4	1.0 × 4														
		Low speed	0.13 × 8	0.3 × 8	0.3 × 8	0.3 × 8	0.6 × 6														
Traversing Brake		D.C magnet disc brake																			
Dimension(approx.) (mm)	A	411(598)	403(560)	393(563)	393(563)	708(833)															
	B	627(660)	705(733)	742(772)	742(772)	1095(1220)															
	C	390	425	425	425	430															
	E	140	135	135	135	140															
	F	140	135	135	135	140															
	G	345	383	408	408	410															
	N	735	875	1045	1045	996															
I-beam and spacing (mm)	a × b × t	D	S	T	U	D	S	T	U	D	S	T	U	D	S	T	U				
	150 × 75 × 7.5	360	33	24	139	-	-	-	-	-	-	-	-	-	-	-	-	-			
	200 × 100 × 7	372	33	48	140	435	41	40	167	-	-	-	-	-	-	-	-	-			
	250 × 125 × 7.5	385	30	75	142	447	38	64	169	33	66	169	459	447	33	66	169	499	27	96	193
	300 × 150 × 10	-	-	-	-	460	38	91	170	33	90	170	459	33	90	170	487	31	72	189	
450 × 175 × 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	499	27	96	193		
Min. radius of curvature (m)			1.2	1.8	1.8	1.8	2.5														
Weight(approx.)(kg)			260(290)	415(440)	520(540)	520(540)	700(770)														

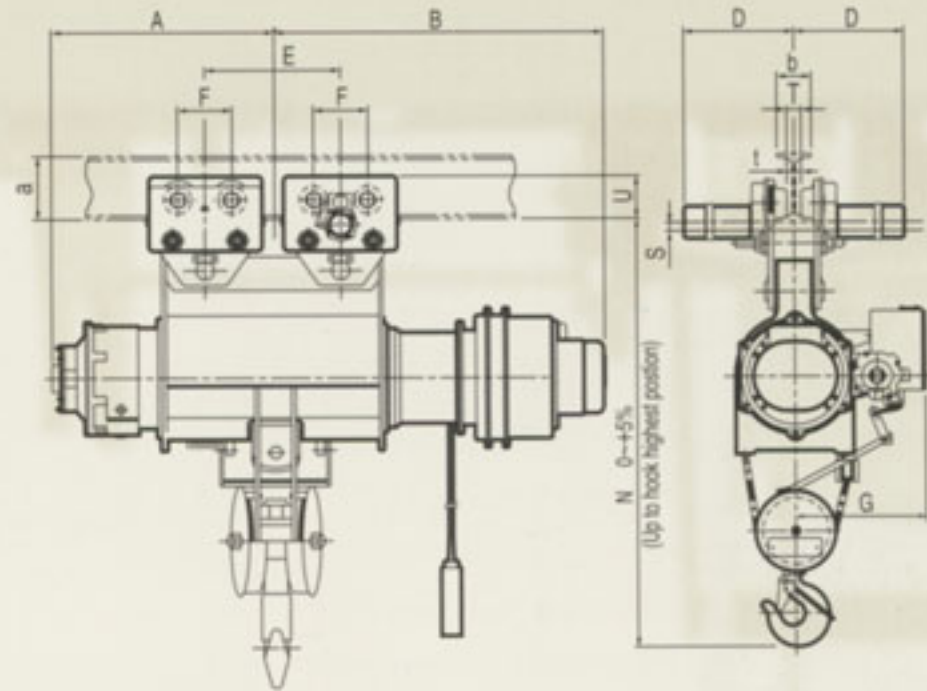
- Note :**
1. Figures in Parentheses are for hoist of 12-meter lift.
 2. Dimensions of I-Beam sections are standard ones. other I-Beam also be used by changing spacers.
 3. In case of shape curve, the minimum radius of curvature must be larger than the above.

Regular Type Creep Hoist With Motor-Driven Trolley

7.5~10ton Hoist



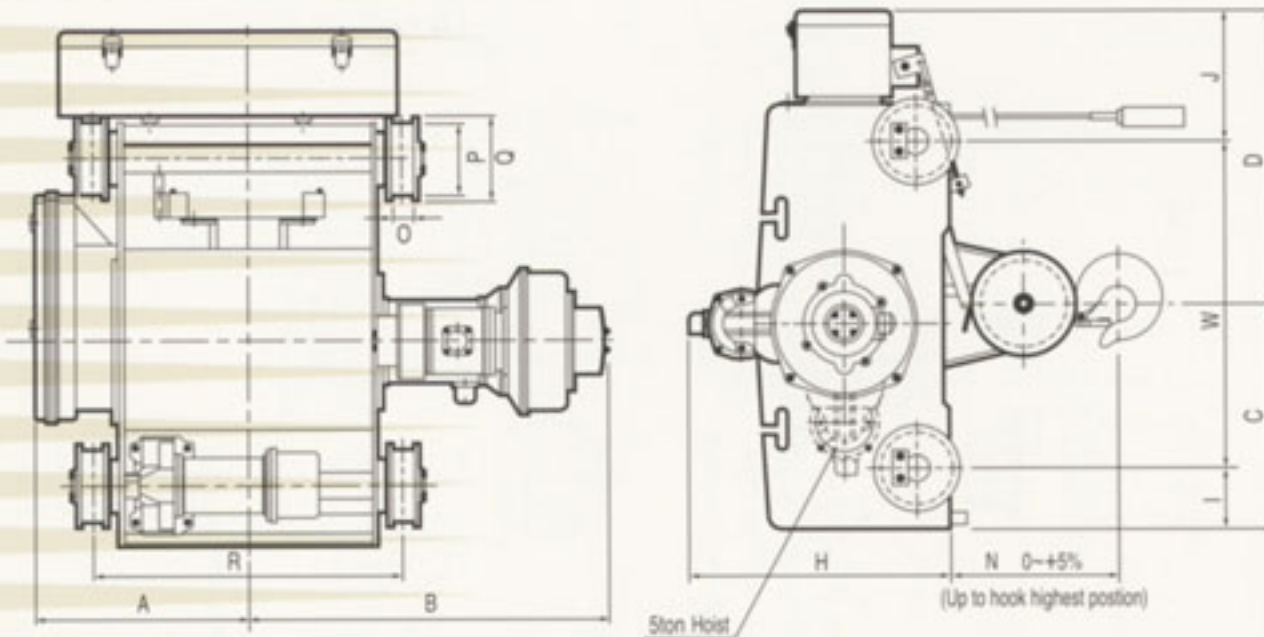
15~20ton Hoist



Capacity (ton)			7.5	10	15	20												
Max. lift (m)			12	12	12	12												
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	3.8/0.38	3.7/0.37	3.7/0.37	3.1/0.31												
		60(Hz)	4.6/0.46	4.5/0.45	4.5/0.45	3.75/0.375												
	Hoisting/Creep motor (kw × p)		6.7/0.8 × 6	9/1.6 × 8/6	9/1.6 × 8/6	15/1.6 × 8/6												
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)												
		Dia.(mm) × no.of ropes	14 × 4	16 × 4	20 × 4	22.4 × 4												
Hoisting Brake		A.C/D.C magnet disc brake																
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	12/15	12/15	12/15	12/15												
		Low speed 50/60(Hz)	8/10	8/10	8/10	8/10												
	Traversing motor (kw × p)	High speed	1.0 × 4	1.8 × 4	(1.0 × 4) × 2	(1.8 × 4) × 2												
		Low speed	0.67 × 6	1.2 × 6	(0.67 × 6) × 2	(1.2 × 6) × 2												
Traversing Brake		D.C magnet disc brake																
Dimension(approx.) (mm)	A	860	927	1047	1097													
	B	1305	1359	1487	1487													
	C	314	323	-	-													
	E	300	328	800	800													
	F	270	296	300	328													
	G	458	493	558	583													
	N	1270	1450	1930	2090													
I-beam and spacing (mm)	a × b × t	D	S	T	U	D	S	T	U	D	S	T	U	D	S	T	U	
	300 × 150 × 11.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	400 × 150 × 12.5	578	49	58	254	604	49	54	279	-	-	-	-	-	-	-	-	-
	450 × 175 × 13	590	49	82	254	616	49	78	279	590	49	82	254	616	49	78	279	-
	600 × 190 × 13	598	50	98	253	624	50	94	278	598	50	98	253	624	50	94	278	-
Min. radius of curvature (m)		5.0		5.0		Straight Rail		Straight Rail										
Weight(approx.) (kg)		1010		1530		2450		2800										

Note : 1. Dimensions of I-Beam sections are standard ones.
 other I-Beam also be used by changing spacers.
 2. If curved rail requires, this must be indicated in advance.

Double-Rail Type Creep Hoist With Motor-Driven Trolley



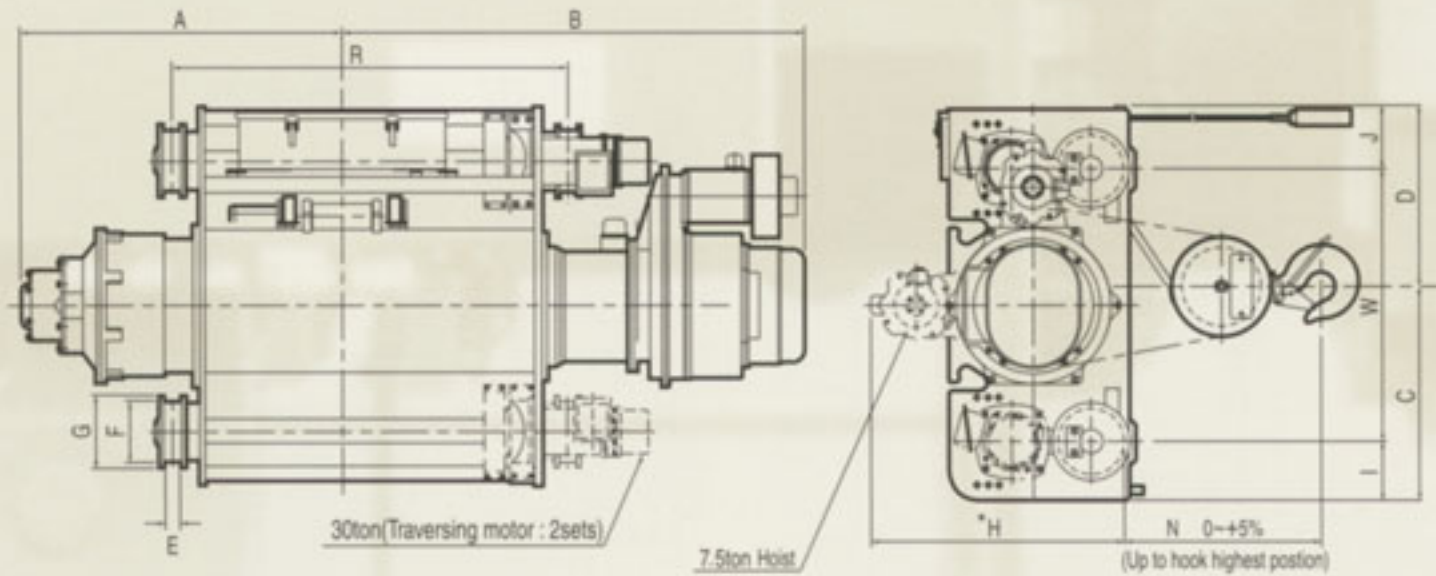
※Regular model speed

Capacity	Traverse
2.8~5ton	High
7.5ton over	Low

Capacity (ton)		2.8		3		5		
Max. lift (m)		6(12)		6(12)		8(12)		
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	8.4/0.84		8.4/0.84		4.4/0.44	
		60(Hz)	10/1		10/1		5.3/0.53	
	Hoisting/Creep motor (kw × p)		5.3/0.6 × 4		5.3/0.6 × 4		5.0/0.8 × 6	
	(Wire rope)	Construction	6 × Fi(29)		6 × Fi(29)		6 × Fi(29)	
		Dia.(mm) × (no.of ropes)	9 × 4		9 × 4		11.2 × 4	
Hoisting Brake		D.C/D.C magnet disc brake				A.C/D.C magnet disc brake		
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	15/18		15/18		15/18	
		Low speed 50/60(Hz)	10/12		10/12		10/12	
	Traversing motor(kw × p)	High speed	0.6 × 4		0.6 × 4		0.6 × 4	
		Low speed	0.4 × 6		0.4 × 6		0.4 × 6	
	Traversing Brake		D.C magnet disc brake					
Dimension(approx.)(mm)	A	393(563)		393(563)		1095(1220)		
	B	711(861)		711(861)		920(1045)		
	C	468		468		517		
	D	605		605		418		
	H	620		620		540		
	I	125		125		167		
	J	268		268		88		
	N	345		345		346		
	O	45		45		50		
	P	150		150		150		
Q	175		175		175			
L(Wire rope max.)		453(753)		453(753)		590(840)		
R(Rail gauge)		650(950)		650(950)		900(1150)		
W(Wheel base)		680		80		680		
Weight(approx.) (kg)		570(620)		570(620)		740(820)		
Rail (kg/m)		12		12		12		

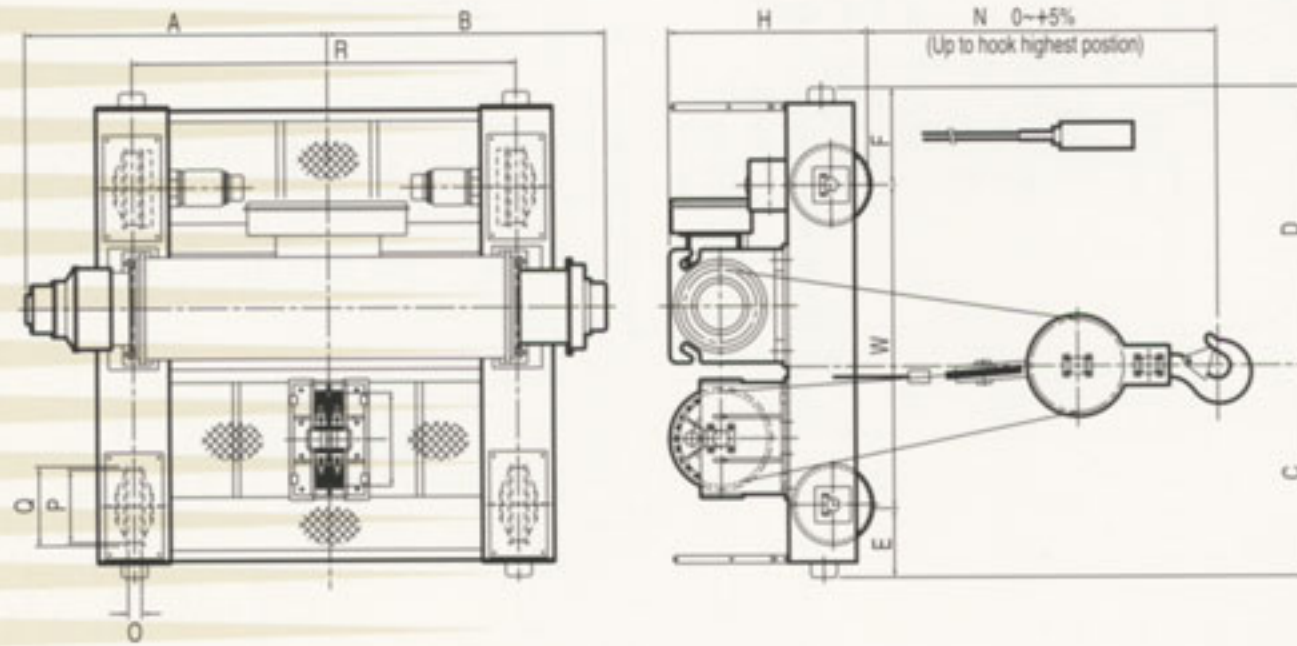
Point : Figures in Parentheses are for hoist of 12-meter lift.

Double-Rail Type Creep Hoist With Motor-Driven Trolley



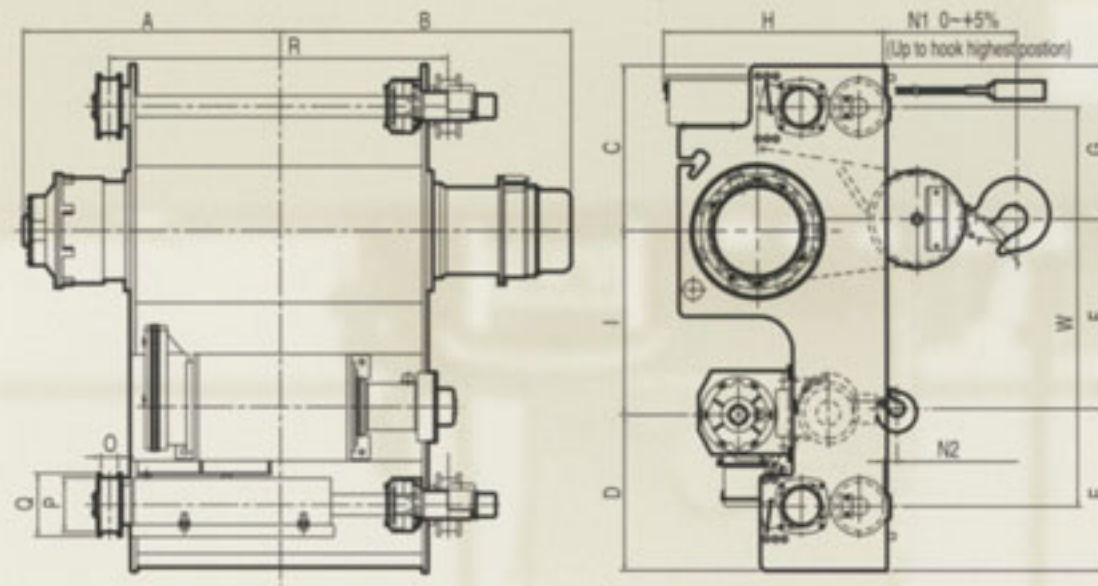
Capacity (ton)			7.5	10	15	20	30
Max. lift (m)			12	12	12	12	12
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	3.8/0.38	3.7/0.38	3.7/0.37	3.1/0.31	2.1/0.21
		60(Hz)	4.0/0.46	4.5/0.45	4.5/0.45	3.75/0.375	2.5/0.25
	Hoisting/Creep motor (kw × p)		6.7/0.8 × 6	9/1.6 × 8/6	15/1.6 × 8/6	15/1.6 × 8/6	15/1.6 × 8/6
	Wire rope	Constructio	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia.(mm) × no.of ropes	14 × 4	16 × 4	20 × 4	22.4 × 4	25 × 4
Hoisting Brake		A.C/D.C magnet disc brake					
Traversing	Traversing speed (m/min)	(High speed 50/60(Hz))	15/18	15/18	15/18	15/18	15/18
		(Low speed 50/60(Hz))	10/12	10/12	10/12	10/12	10/12
	Traversing motor (kw × p)	High speed	1.0 × 4	1.0 × 4	1.8 × 4	1.8 × 4	(1.8 × 4) × 2
		Low speed	0.67 × 6	0.67 × 6	1.2 × 6	1.2 × 6	(1.2 × 6) × 2
Traversing Brake		D.C magnet disc brake					
Dimension(approx.)(mm)	A	860	927	1047	1097	1310	
	B	1305	1359	1487	1487	1537	
	C	570	613	760	790	850	
	D	583	630	703	723	802	
	*H	630	543	743	748	763	
	I	170	170	220	220	220	
	J	223	233	243	248	242	
	N	630	710	860	910	1020	
	O	52	52	58	58	70	
	P	190	190	250	250	250	
	Q	225	225	285	285	285	
L(Wire rope max.)	910	870	960	945	990		
R(Rail gauge)	1150	1150	1200	1300	1400		
W(Wheel base)	760	840	1000	1045	1190		
Weight(approx.) (kg)		1020	1470	2250	2650	750	
Rail (kg/m)		15	15	22	22	37	

Double-Rail Type Hoist With Motor-Driven Trolley



Capacity (ton)		40	45	60	
Max. lift (m)		11.5	12.5	14.5	
Hoist	Hoisting speed (m/min) 50/60(Hz)	2.1/2.5	1.8/2.2	1.4/1.6	
	Hoisting motor (kw × p)	20 × 6	20 × 6	20 × 6	
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia. (mm) × no. of ropes	25 × 8	25 × 6	25 × 8
	Hoisting Brake	A.C magnet disc brake			
Traversing	Traversing speed (m/min) 50/60(Hz)	10/12	10/12	10/12	
	Traversing motor (kw × p)	(1.2 × 6) × 2	(1.2 × 6) × 2	(1.2 × 6) × 2	
	Traversing Brake	D.C magnet disc brake			
Dimension(approx.)(mm)	A	1821	1684	2304	
	B	1685	1565	1915	
	C	1035	1035	1035	
	D	1205	1205	1205	
	E	300	300	300	
	F	300	300	300	
	H	1250	1250	1250	
	N	1720	1720	1720	
	O	58	70	70	
	P	350	350	450	
L(Wire rope max.)	2205	1550	2250		
R(Rail gauge)	2560	1960	2660		
W(Wheel base)	1540	1190	1190		
Weight(approx.)(kg)		-	-	-	
Rail (kg/m)		37	37	37	

Double-Rail Main & Aux. Type Hoist With Motor-Driven Trolley



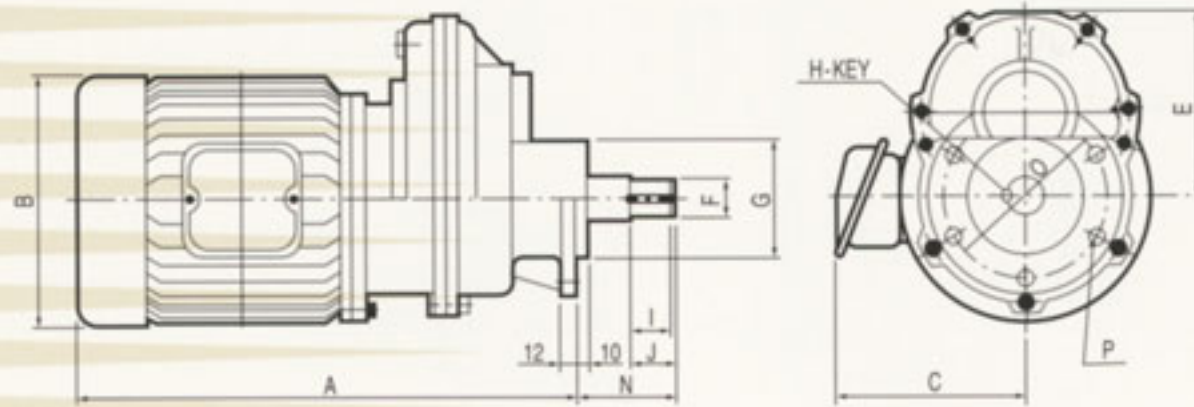
※ Regular model speed

hoist	Traverse
Low	Low

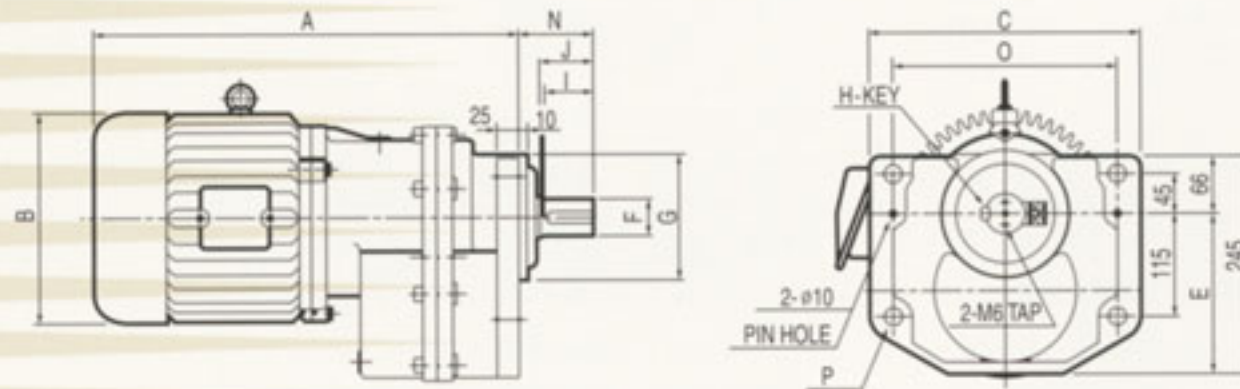
Capacity (ton)			10/3		15/5		20/5		30/10	
			MAIN	AUX.	MAIN	AUX.	MAIN	AUX.	MAIN	AUX.
Max. lift (m)			12	12	12	12	12	12	12	12
Hoist	Hoisting speed (m/min)	High speed 50/60(Hz)	5.0/6.0	8.4/10	5.0/6.0	6.7/8.0	4.2/5.0	6.7/8.0	2.8/3.3	5.0/6.0
		Low speed 50/60(Hz)	3.7/4.5	5.6/6.7	3.7/4.5	4.4/5.3	3.1/3.75	4.4/5.3	2.1/2.5	3.7/4.5
	Hoisting motor (kw × p)	High speed	12 × 6	5.3 × 4	20 × 6	7.5 × 4	20 × 6	7.5 × 4	20 × 6	12 × 6
		Low speed	9 × 8	3.6 × 6	15 × 8	5.0 × 6	15 × 8	5.0 × 6	15 × 8	9 × 8
	Wire rope	Construction	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)	6 × Fi(29)
		Dia.(mm) × no.of ropes	16 × 4	12.5 × 2	20 × 4	11.2 × 4	22.4 × 4	11.2 × 4	25 × 4	16 × 4
Hoisting Main/AUX. Brake			A.C/D.C magnet disc brake				A.C/A.C magnet disc brake			
Traversing	Traversing speed (m/min)	High speed 50/60(Hz)	15/18		15/18		15/18		15/18	
		Low speed 50/60(Hz)	10/12		10/12		10/12		10/12	
	Traversing motor (kw × p)	High speed	(1.0 × 4) × 2		(1.0 × 4) × 2		(1.8 × 4) × 2		(1.8 × 4) × 2	
		Low speed	(0.67 × 6) × 2		(0.67 × 6) × 2		(1.2 × 6) × 2		(1.2 × 4) × 2	
Traversing Brake			D.C magnet disc brake							
Dimension(approx.)(mm)	A	927			1047		1097		1310	
	B	1084			1235		1235		1285	
	C	683			825		793		853	
	D	573			650		670		658	
	E	543			620		640		605	
	F	730			830		860		918	
	G	630			755		723		775	
	H	823			1043		948		963	
	I	647			730		760		785	
	N1	430(+35)			560(+45)		710(±50)		820(+50)	
	N2	157(+25)			26(+25)		5(±25)		182(+35)	
	O	52			58		58		70	
	P	190			250		250		250	
	Q	225			285		285		285	
L(Wire rope max.)	910			960		945		990		
R(Rail gauge)	1150			1200		1300		1400		
W(Wheel base)	1450			1740		1755		1870		
Weight(approx.) (kg)			1970		2950		3250		3570	
Rail (kg/m)			15		22		22		37	

Geared Motor For Saddle

0.75kW, 1.5kW



2.2kW



Capacity		0.75 × 4	1.5 × 4	2.2 × 4
Reduction ratio		1/12.12, 1/16.3		1/20.26
Brake		D.C magnet disc brake		
(Power source)		A.C 220V, 380V, 440V, 60Hz		
Dimension approx.(mm)	A	386	420	557
	B	φ 175	φ 192	φ 236
	C	140	161	300
	E	143	143	179
	F	φ 29h6	φ 29h6	φ 45m6
	G	φ 90f7	φ 90f7	φ 140g6
	H	7 × 7 × 34	7 × 7 × 34	14 × 9 × 55
	I	57	57	55
	J	61	61	59
	N	104.5	104.5	84
O	φ 128	φ 128	250	
P	5-φ 13	5-φ 13	4-φ 22	

The order sheet for Hoist

1. Company :			
2. Manager in charge	:	(Tel. _____	Fax. _____)
3. Capacity(ton)	:	ton	
4. Type :			
5. Hoist Lift (m)	:	m	
6. Power :	,	V,	Hz
7. Available speed :	hoist speed	m / min	
(m / min)	Traverse speed	m / min	
8. Painting :	standard	,	Special (_____)
9. Wire rope :	standard	,	Special (_____)
10. Order date :	Year, _____,	_____,	_____
11. Delivery :	Year, _____,	_____,	_____
12. Destination :			

LGM Hoist Co.,Ltd.

Note



■ Head office & Factory

163-9 Dae Buek-Ri Daegot-myeon Gimpo City Gyeonggi-Do Korea
TEL:82-31-988-9047~8 FAX:82-31-988-9049

■ A/S

• Central part TEL:82-31-988-9047~8 FAX:82-31-988-9049
• Southern part TEL:82-51-314-0990 FAX:82-51-314-0993

