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SPICA INTERNATIONAL LTD.



SPICA

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Endure
Worthy
Stronger

LGM
ELECTRIC
HOIST



COMPANY

PROFILE

VISION

To set a new standard of quality and service, Thais should have various choices of international quality lifting & rigging product suited specifically for your needs. No matter how small each part is, each and every part of those products has been carefully selected and providing customized services made for your desire.

MISSION

We, Spica, strive to satisfy your needs by creating the differences in both our product's quality and especially our services. Our founders, partners, and staffs are dedicated to define your expectation. Here at Spica, "Your Quality is Defined."

COMPANY

Spica international Company Limited was established in the year 2000 as a worldwide certified distributor from elite manufacturing firms from all around the world. Accredited by ISO 9001, the company were making world-class quality products available for local consumption usage with a mission of providing the difference and ultimately be the different in both our product's quality and especially our services.

Enriched with more than fourteen years of experience, we have come to realize your needs in certified product's quality and dedicated services. With our mission in mind, Spica International Company Limited provide a full range of service including product consulting and needs analysis to define the most suitable products for you. The comprehensive transportation management, we provide on-demand delivery service. We know these services are essential to your business, thus we sincerely believe that we are what you need. Your needs and our services, they are the same.

เกี่ยวกับบริษัท สไปก้า อินเตอร์เนชั่นแนล จำกัด

วิสัยทัศน์

เราต้องการยกระดับคุณภาพและการบริการที่คนไทยสามารถเลือกสรรจากทั่วทุกมุมโลกไม่ว่าจะเป็นชิ้นส่วนที่เล็กเพียงใดก็ตามล้วนผ่านการคัดสรรเพื่อให้คุณได้รู้สึกว่าอุปกรณ์นั้นถูกสร้างมาเพื่อคุณโดยเฉพาะ

พันธกิจ

บริษัท สไปก้า อินเตอร์เนชั่นแนล จำกัด ต้องการเป็นตัวเลือกที่เพียบพร้อมทั้งด้านคุณภาพของตัวสินค้า และโดยดียวอย่างยิ่งด้านการบริการ ผู้ก่อตั้ง คู่ค้าทุกคน และพนักงานทุกท่านทุ่มเททั้งกายและใจเพื่อทำงานให้ตรงตามมาตรฐานของท่าน

ประวัติบริษัท

บริษัท สไปก้า อินเตอร์เนชั่นแนล จำกัด ก่อตั้งขึ้นเมื่อปี พ.ศ. 2543 ในฐานะตัวแทนจำหน่ายสินค้าและอุปกรณ์การยกต่างๆ จากผู้ผลิตชั้นนำทั่วโลก ด้วยวิสัยทัศน์ของบริษัท เราได้ขยายหมวดหมู่สินค้าเพื่อจะครอบคลุมทุกความต้องการของลูกค้าที่เพิ่มมากขึ้น ปัจจุบัน สไปก้า อินเตอร์เนชั่นแนล จำกัด ด้วยการรับรองมาตรฐาน ISO 9001 เรามุ่งมั่นที่จะสร้างสรรคสินค้าที่มีคุณภาพระดับโลก โดยมีจุดมุ่งหมายที่จะสร้างความแตกต่างทั้งในด้านคุณภาพและการบริการ

เพียบพร้อมด้วยประสบการณ์มากกว่า 14 ปี เราได้ตระหนักถึงความต้องการของคุณเหนือสิ่งอื่นใด การที่จะได้มาซึ่งสินค้าที่มีใบรับรอง คุณภาพ และมาตรฐานที่แตกต่างกัน เราเชื่อว่าบริษัท สไปก้า พร้อมที่จะเป็นเพื่อนและที่ปรึกษาที่สามารถจัดหาและแนะนำสิ่งที่ดีที่สุดสำหรับคุณ เรารู้ว่าการขนส่งที่ครอบคลุมเป็นสิ่งที่จะต้องเสียให้ได้ บริษัทพร้อมที่จะทำทุกอย่างเพื่อให้คุณและบริษัทของคุณประสบความสำเร็จ เพราะว่าคุณต้องการของคุณคือบริการของเรา



SPICA

Standard Model List

Models	Capacity (t)	Suspension Hoist		Stand type		Regular Type Hoist				Low-Head Type Hoist	Double-rail Type	
						Hand-Push Trolley		Motor-driven Trolley				
		(LH)	(HH)	(LS)	(HS)	(LP)	(HP)	(LN)	(HN)	(LD)	(LW)	(HW)
Normal Type	1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
	(1.9)2	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
	(2.8)3	⊙	⊙	⊙	⊙	—	—	⊙	⊙	⊙	⊙	⊙
	5	⊙	⊙	⊙	⊙	—	—	⊙	⊙	⊙	⊙	⊙
	7.5		⊙		⊙				⊙	—		⊙
	10		⊙		⊙				⊙	—		⊙
	15		—		⊙				⊙	—		⊙
	20		—		⊙				⊙	—		⊙
	30		—		⊙							⊙
	40											⊙
	45											⊙
	60											⊙
Creep Type	1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	—		
	(1.9)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 — is ordered item.

Crane Related Equipment

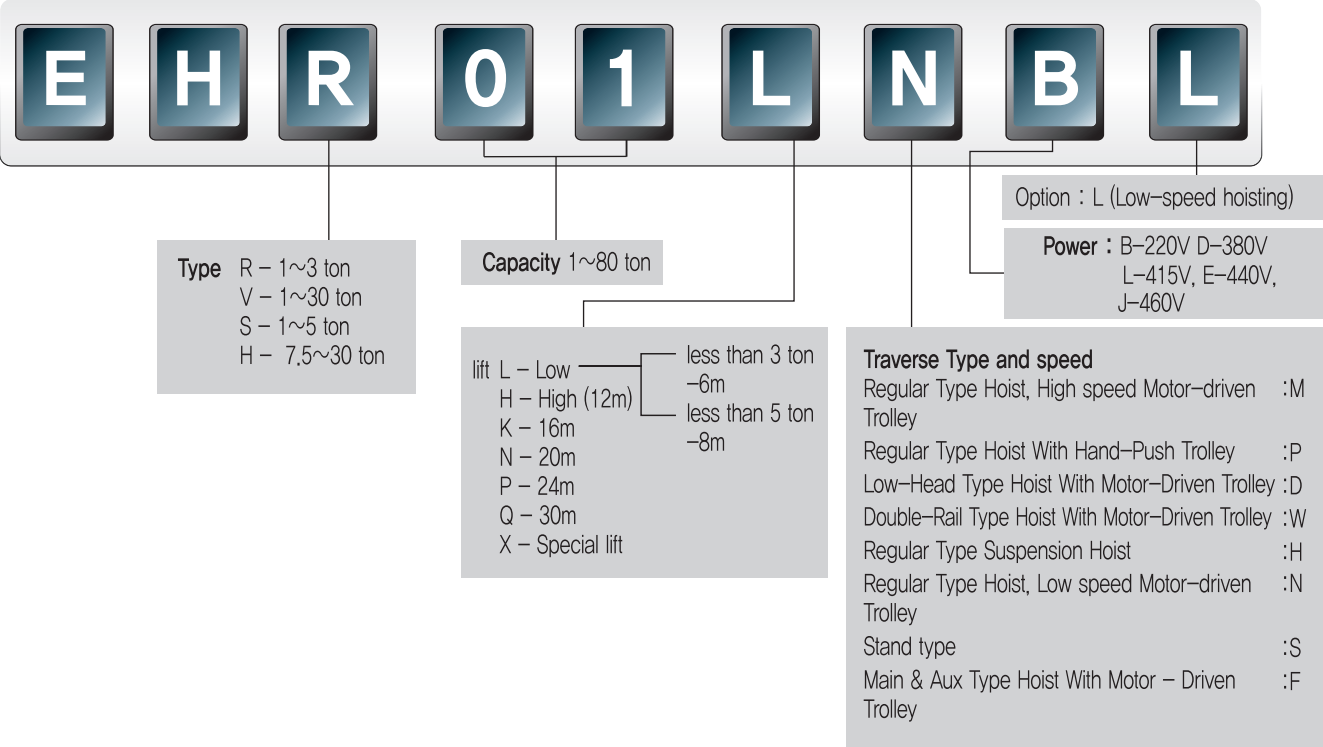
Geared motor		
0.75kW	1.5kW	2.2kW
○	○	○

Semi-Standard Model List

Capacity (t)	Power	Height lift						Height Speed				Taverse speed		Protective structure		Etc.			
	Special voltage	16m	20m		24m	30m		Hight-speed type		Low-speed type		a half-speed	quater-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								quater-speed
								50 Hz	60 Hz										
1	⊙	-	-	-	⊙	⊙		16.7	20	⊙	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙
(1.9)2	⊙	-	-	-	⊙	⊙		12.5	15	⊙	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙
(2.8)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





OUR PRODUCTS

With the adoption of emergency brake preventing free falling, we guarantee not only security but also credibility.

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 1997	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)
August 2007	Certified Promising small and Medium business Administration.
August 2007	Certified Inno-Biz Company
October 2007	Moved to larger Facility Located In 59-2, Ongjeong-Ri, Gimpo City Gyeonggi-Do, Korea
June 2009	Terminated the technical cooperation of MITSUBISHI Electric FA industrial products Company.



Main & Aux Type



Regular Type



Regular Type



Double-Rail Type



Low Head Type Double

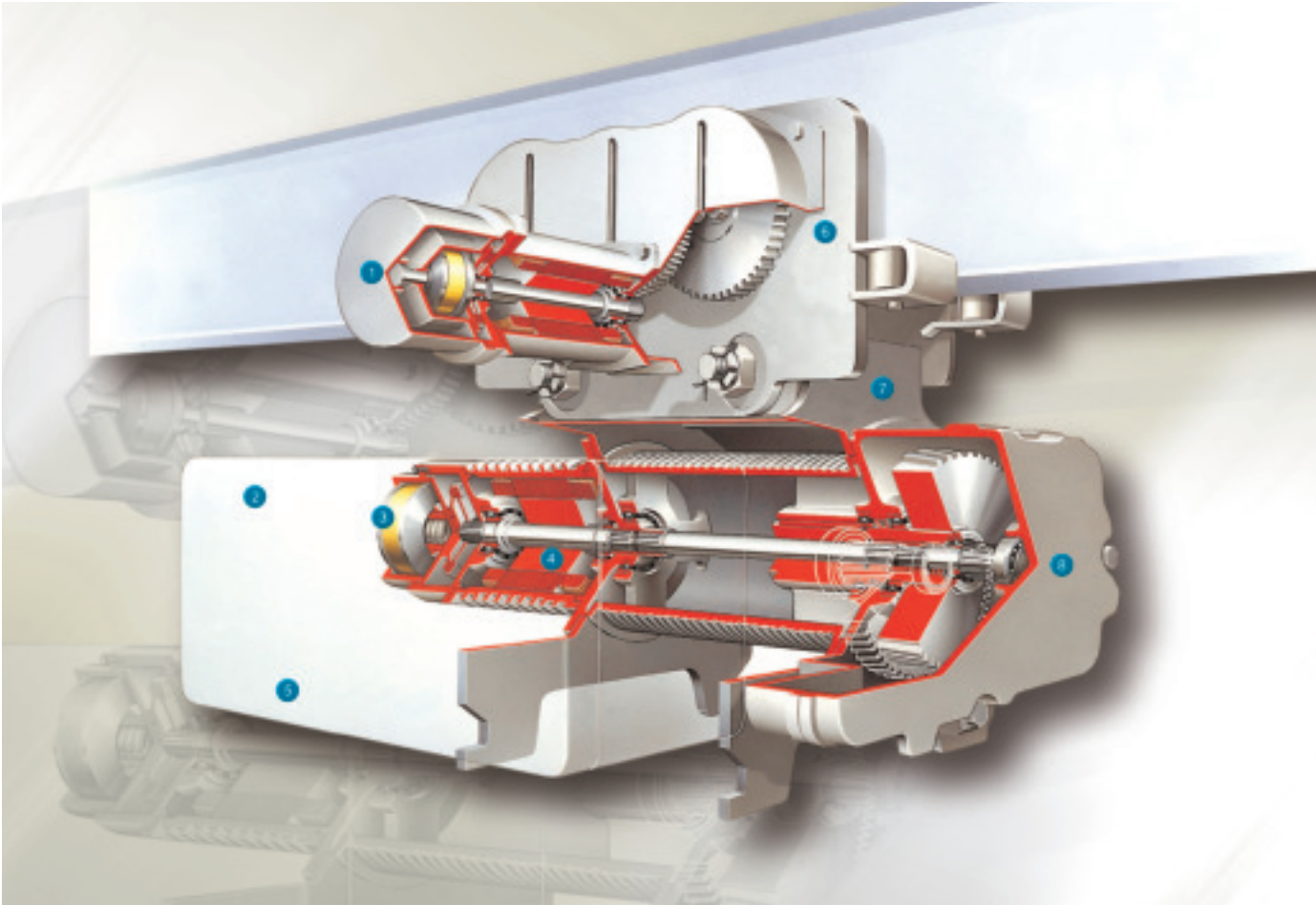


Suspension Type



Creep Type

Inside Structure Model



Technology guarantees stability, credibility, economics.

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.

2 Control Box with Overload prevention System

A microprocessor system automatically detects overloads to 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 coditions in certain parts of the world mean that in some causes units must be shipped without this circuit)

3 DC Electromagnetic Brakes with Auto Adjusting Mechanism

The 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.

4 Hoist Motor

This high-resistance diecast motor combines a lowstarting currnet with a high starting torque. There is no inital 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 full enclosed to shut out harmful dust and prevent cog and shaft wear.

7 Side Plate for Traverse

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

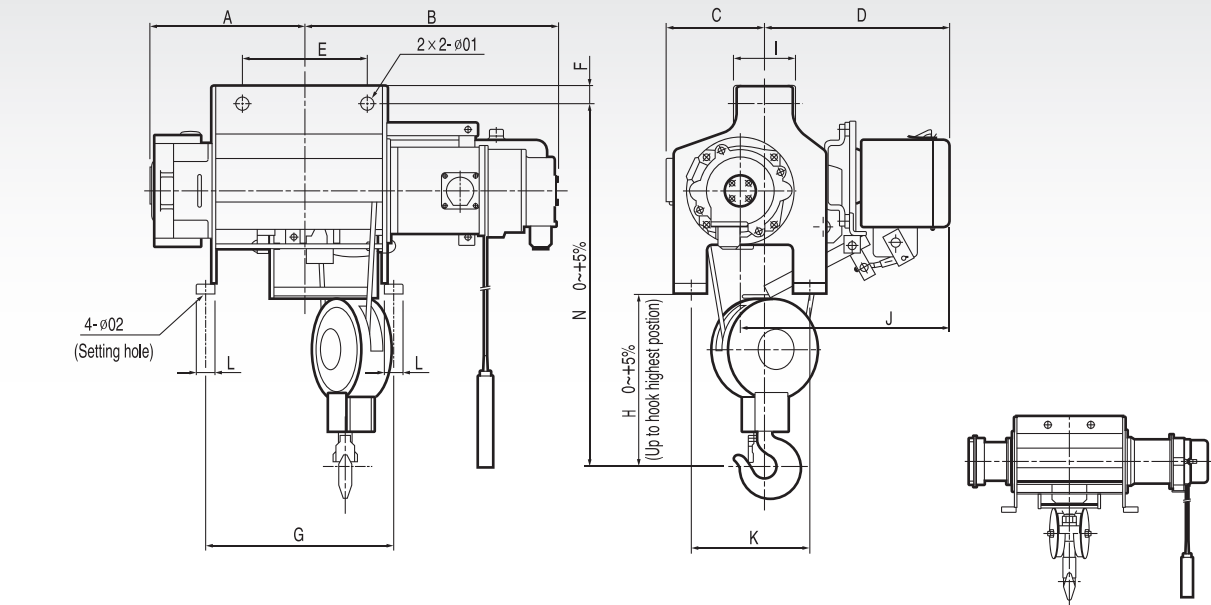
8 Steel frame

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

9 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

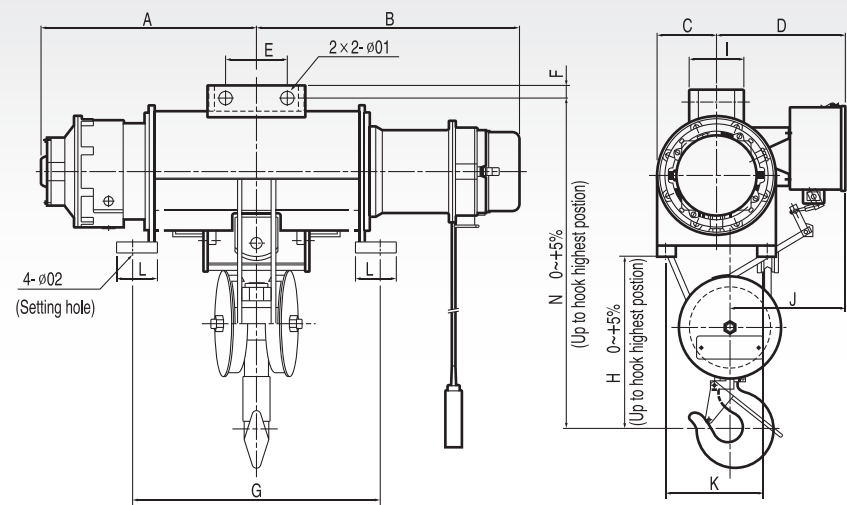
Regular Type Suspension Hoist



Capacity (ton)			1	(1.9) 2	(2.8) 3	5
Max. lift (m)			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	6.7/8.0
		Low speed 50/60(Hz)	4.3/5.2	3.7/4.4	3.7/4.4	4.5/5.3
	Hoisting motor (kW×P)	High speed	1.6×4	2.6×4	3.8×4	7.5×4
		Low speed	1.2×6	1.6×6	2.4×6	5.0×6
	Wire rope	Construction	6×F(29)	6×F(29)	6×F(29)	6×F(29)
		(Dia.)(mm)× (no.of ropes)	Ø8×2	Ø10×2	Ø12.5×2	Ø11.2×4
	Hoisting Brake		D.C magnet disc brake			
Dimension (approx.) (mm)		A	283(489)	284(485)	343(558)	646(771)
		B	468(507)	532(566)	565(610)	920(1045)
		C	186	165	195	226
		D	415	445	445	445
		E	230	230	230	290
		F	33	43	48	59.5
		G	365(610)	390(625)	450(710)	848(1098)
		H	330	410	490	420
		I	117	151	151	229
		J	461	485	485	470
		K	233	239	277	320
		L	60	75	85	115
		N	665	765	910	905
		Ø01	24	33	33	38
Ø02	15	19	24	28		
Weight (approx.) (kg)		120(135)	170(200)	260(300)	510(580)	

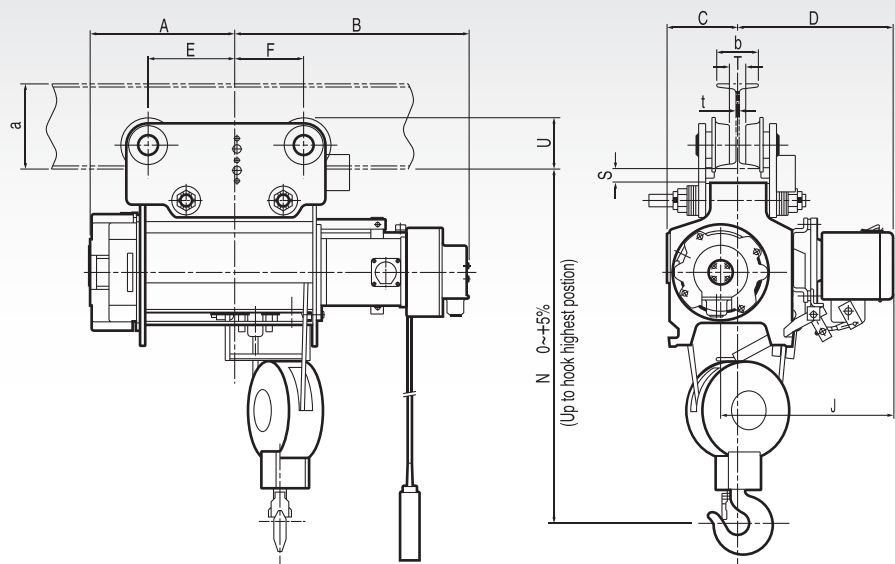
※ () : Life 12M

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×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×F(29)	6×F(29)	6×F(29)	6×F(29)	6×F(29)
		(Dia.)(mm)× (no.of ropes)	Ø14×4	Ø16×4	Ø20×4	Ø22.4×4	Ø25×4
	Hoisting Brake		A,C magnet disc brake				
Dimension (approx.) (mm)		A	834	897	1000	1045	1405
		B	1120	1084	1225	1235	1285
		C	215	245	295	320	385
		D	458	493	558	583	—
		E	300	320	800	800	—
		F	55	60	80	100	—
		G	1140	1155	1220	1270	1380
		H	580	670	810	870	960
		I	252	252	225	225	—
		J	443	480	563	593	633
		K	330	370	430	500	620
		L	130	160	160	160	200
		N	1165	1380	1680	1800	—
Ø01	47	53	78	103	—		
Ø02	35	35	47	47	54		
Weight (approx.) (kg)		690	1070	1500	1850	3150	

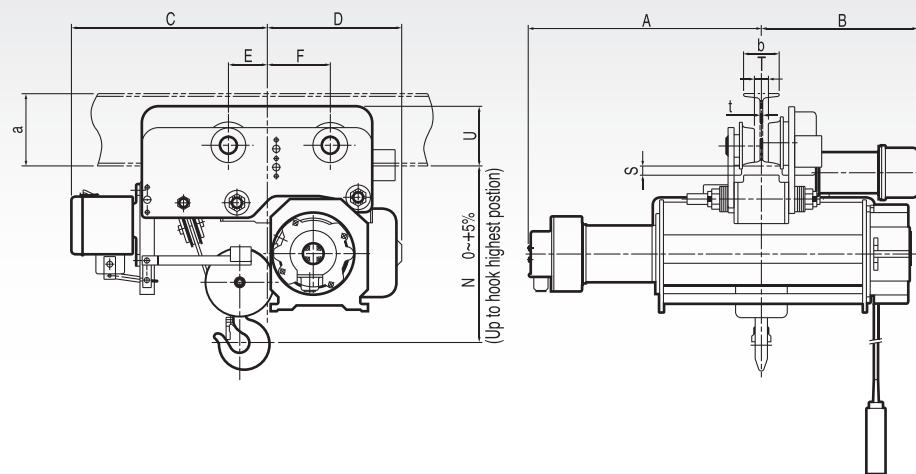
Regular Type Hoist With Hand-Push Trolley



Capacity (ton)			1			(1.9) 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×P)	High speed	1.6×4			2.6×4		
		Low speed	1.2×6			1.6×6		
	Wire rope	Construction	6×F(29)			6×F(29)		
		(Dia.)(mm) × (no.of ropes)	Ø8×2			Ø10×2		
	Hoisting Brake		D.C magnet disc brake					
Dimension (approx.) (mm)		A	283(489)			285(485)		
		B	468(507)			532(566)		
		C	186			165		
		D	415			445		
		E	105			115		
		F	120			115		
		N	730			840		
I-beam and spacing (mm)		a×b×t	S	T	U	S	T	U
		150×75×5.5	33	24	95	—	—	—
		200×100×7	33	48	95	31	40	122
		250×125×7.5	31	74	97	29	64	124
		300×150×10	—	—	—	28	90	125
Min. radius of curvature (m)		1.8			2.5			
Weight (approx.) (kg)		130(150)			200(230)			

※ () : Life 12M

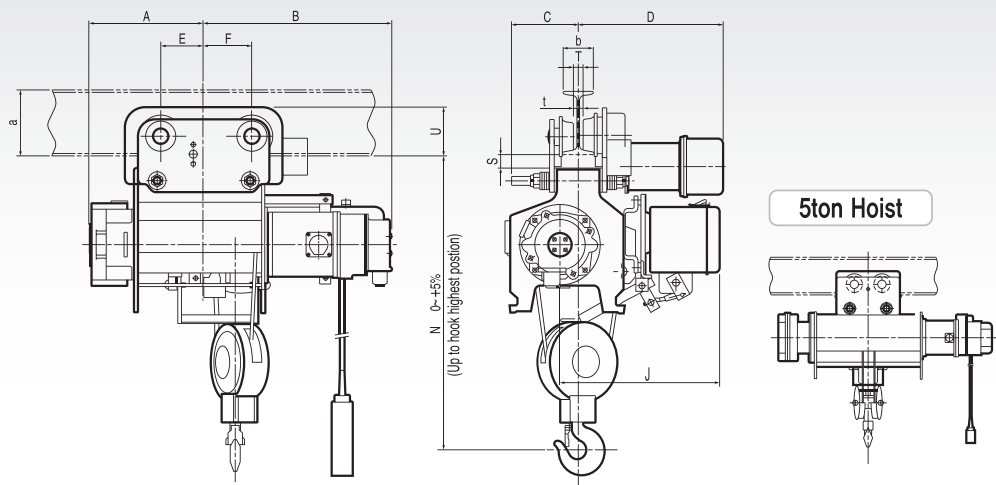
Low-Head Type Hoist With Motor-Driven Trolley



Capacity (ton)			1			(1.9) 2			(2.8) 3			5			
Max. lift (m)			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			6.7/8.0			
		Low speed 50/60(Hz)	4.3/5.2			3.7/4.4			3.7/4.4			4.5/5.3			
	Hoisting motor (kW×P)	High speed	1.6×4			2.6×4			3.8×4			7.5×4			
		Low speed	1.2×6			1.6×6			2.4×6			5.0×6			
	Wire rope	Construction	6×W(19)			6×F(29)			6×F(29)			6×F(29)			
		(Dia.)(mm)× (no.of ropes)	Ø6.3×4			Ø8×4			Ø9×4			Ø11.2×4			
	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			
		Low speed 50/60(Hz)	11/13			11/13			11/13			13/16			
	Traversing motor (kW×P)	High speed	0.3×4			0.3×4			0.6×4			1.0×4			
		Low speed	0.3×4			0.3×4			0.3×4			0.6×6			
	Traversing Brake			D,C magnet disc brake											
Dimension(approx.) (mm)		A	583			656			695			920(1045)			
		B	426			415			437			655(770)			
		C	418			465			478			518			
		D	343			455			515			542			
		E	100			105			105			110			
		F	100			105			105			110			
		N	405			485			515			650			
I-beam and spacing (mm)		a×b×t	S	T	U	S	T	U	S	T	U	S	T	U	
		150×75×5.5	19	24	140	—	—	—	—	—	—	—	—	—	—
		200×100×7	19	48	140	23	40	167	—	—	—	—	—	—	—
		250×125×7.5	17	74	142	21	64	169	23	64	169	—	—	—	—
		300×150×10	—	—	—	20	90	170	22	90	170	—	—	—	—
		450×175×11	—	—	—	—	—	—	—	—	—	27	96	193	—
Min. radius of curvature (m)			2.0			3.0			3.0			5.0			
Weight (approx.) (kg)			180			285			375			570(640)			

※ () : Life 12M

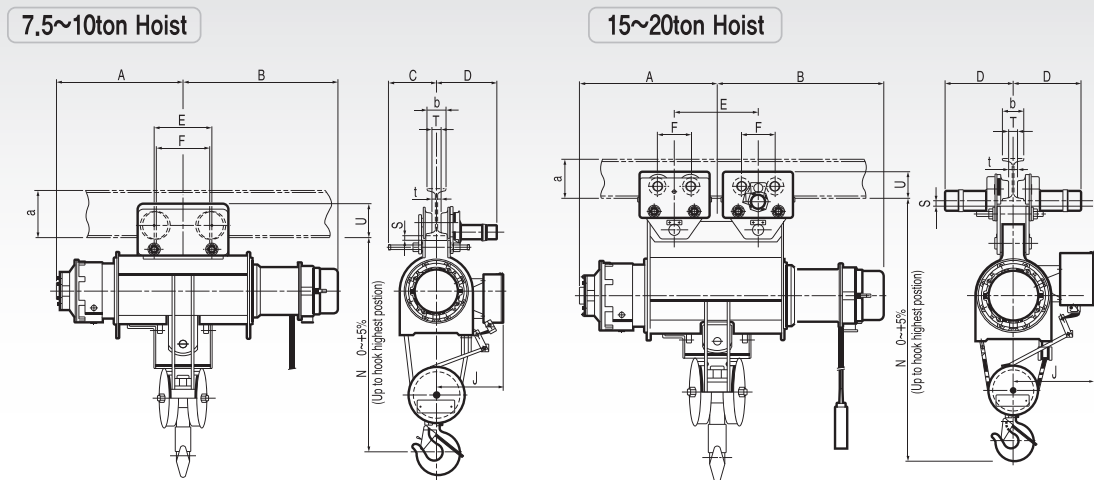
Regular Type Hoist With Motor-Driven Trolley



Capacity (ton)			1				(1.9) 2				(2.8) 3				5				
Max. lift (m)			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				6.7/8.0				
		Low speed 50/60(Hz)	4.3/5.2				3.7/4.4				3.7/4.4				4.5/5.3				
	Hoisting motor (kW×P)	High speed	1.6×4				2.6×4				3.8×4				7.5×4				
		Low speed	1.2×6				1.6×6				2.4×6				5.0×6				
	Wire rope	Construction	6×F(29)				6×F(29)				6×(F)29				6×F(29)				
		(Dia.)(mm) × (no.of ropes)	Ø8×2				Ø10×2				Ø12.5×2				Ø11.2×4				
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				
		Low speed 50/60(Hz)	11/13				11/13				11/13				13/16				
	Traversing motor (kW×P)	High speed	0.3×4				0.3×4				0.6×4				1.0×4				
		Low speed	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)				655(770)				
		B	468(507)				532(566)				565(610)				920(1045)				
		C	186				165				195				265				
		E	100				105				105				110				
		F	100				105				105				110				
		J	461				485				485				440				
		N	730				840				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	
		150×75×5.5	360	33	24	140	—	—	—	—	—	—	—	—	—	—	—	—	—
		200×100×7	372	33	48	140	420	31	40	167	—	—	—	—	—	—	—	—	—
		250×125×7.5	385	31	74	142	433	29	64	169	465	24	64	169	—	—	—	—	—
		300×150×10	—	—	—	—	455	28	90	170	478	23	90	170	—	—	—	—	—
		450×175×11	—	—	—	—	—	—	—	—	—	—	—	—	524	27	96	193	
Min. radius of curvature (m)			1.8				2.5				2.5				2.5				
Weight (approx.) (kg)			150(170)				230(260)				320(360)				560(630)				

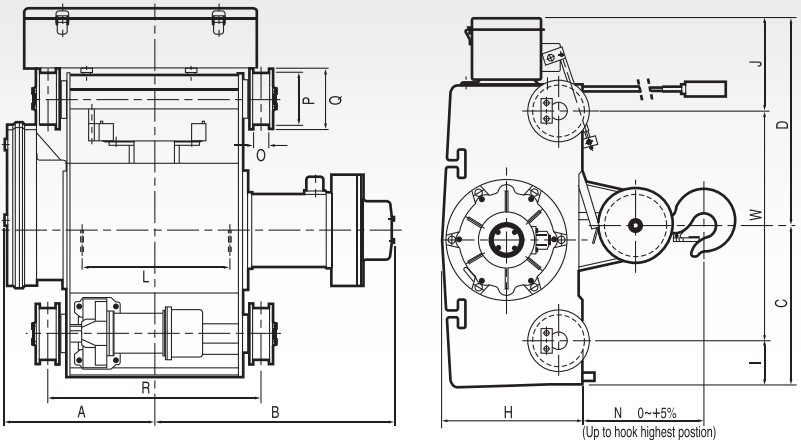
※ () : Life 12M

Regular Type Hoist With Motor-Driven Trolley



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	12×6	20×6	20×6												
		Low speed	6.7×6	9×8	15×8	15×8												
	Wire rope	Construction	6×F(29)	6×F(29)	6×F(29)	6×F(29)												
		(Dia.)(mm)× (no.of ropes)	Ø14×4	Ø16×4	Ø20×4	Ø22.4×4												
Hoisting Brake			A,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	1.0×4	(1.0×4)×2	(1.8×4)×2												
		Low speed	0.67×6	0.67×6	(0.67×6)×2	(1.2×6)×2												
	Traversing Brake			D,C magnet disc brake														
Dimension (approx.) (mm)		A	834		897		1000		1045									
		B	1120		1084		1225		1235									
		C	314		323		—		—									
		E	300		328		800		800									
		F	259		296		300		328									
		J	458		493		558		583									
		N	1280		1450		1930		2090									
I-beam and spacing (mm)		a×b×t	D	S	T	U	D	S	T	U	D	S	T	U				
		400×150×10	578	49	58	254	604	49	54	279								
		450×175×11	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				1370				2250				2600				

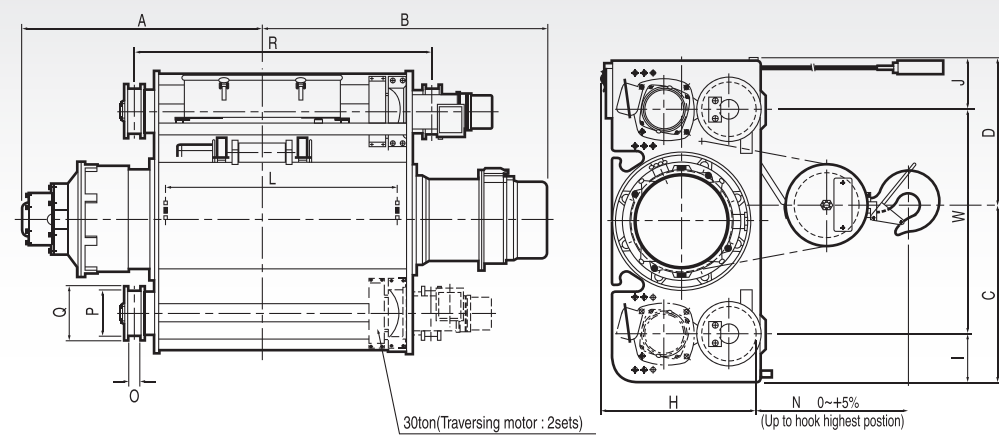
Double-Rail Type Hoist With Motor-Driven Trolley



Capacity (ton)			(2.8) 3	5
Max. lift (m)			6(12)	8(12)
Hoist	Hoisting speed (m/min)	High speed 50/60(Hz)	8.4/10	6.7/8
		Low speed 50/60(Hz)	5.6/6.7	4.5/5.3
	Hoisting motor (kW×P)	High speed	5.3×4	7.5×4
		Low speed	3.6×6	5.0×6
	Wire rope	Construction	6×F(29)	6×F(29)
		(Dia,)(mm) × (no.of ropes)	Ø9×4	Ø11.2×4
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
		Low speed 50/60(Hz)	10/12	10/12
	Traversing motor (kW×P)	High speed	0.6×4	0.6×4
		Low speed	0.4×6	0.4×6
	Traversing Brake			D,C magnet disc brake
Dimension (approx.) (mm)		A	440(590)	655(780)
		B	715(865)	920(1045)
		C	468	517
		D	605	443
		H	410	560
		I	125	165
		J	268	115
		N	345	346
		O	50	50
		P	150	150
		Q	175	175
		R(Rail gauge)	650(950)	900(1150)
		W(wheel base)	680	680
Weight (approx.) (kg)			425(475)	600(680)
Rail (kg/m)			15	15

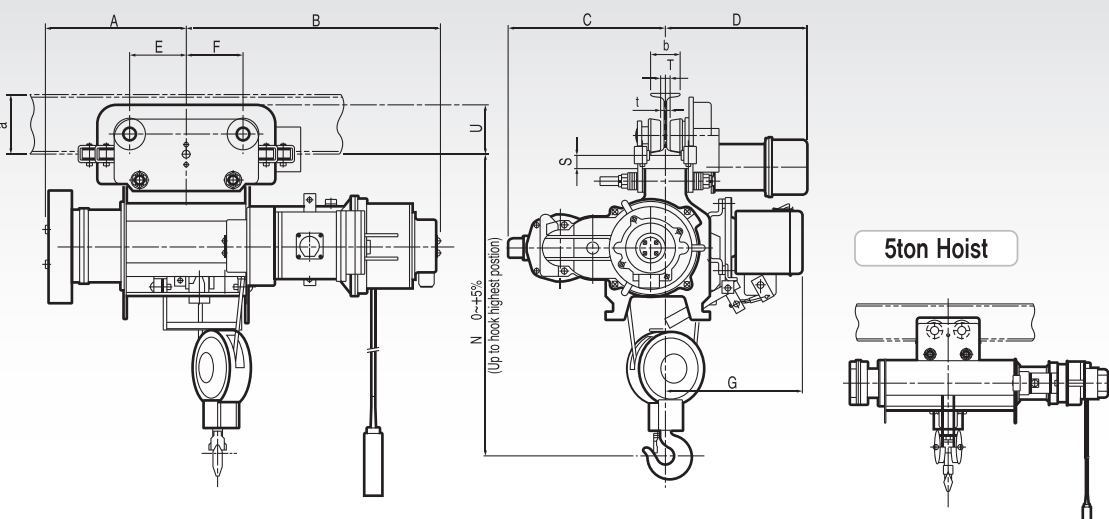
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Double-Rail Type Hoist With Motor-Driven Trolley



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×F(29)	6×F(29)	6×F(29)	6×F(29)	6×F(29)
		(Dia.)(mm)× (no.of ropes)	Ø14×4	Ø16×4	Ø20×4	Ø22.4×4	Ø25×4
	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	834	897	1000	1045	1405
		B	1120	1084	1225	1235	1285
		C	570	618	760	770	895
		D	583	630	703	743	759
		H	543	543	743	748	763
		I	170	170	220	220	220
		J	223	233	243	248	244
		N	630	710	860	910	1120
		O	50	50	58	58	70
		P	190	190	250	250	250
		Q	225	225	285	285	285
		R(Rail gauge)	1150	1150	1200	1300	1400
W(wheel base)	760	845	1000	1045	1190		
Weight(approx.) (kg)		1030	1430	2240	2730	3940	
Rail (kg/m)		15	15	22	22	37	

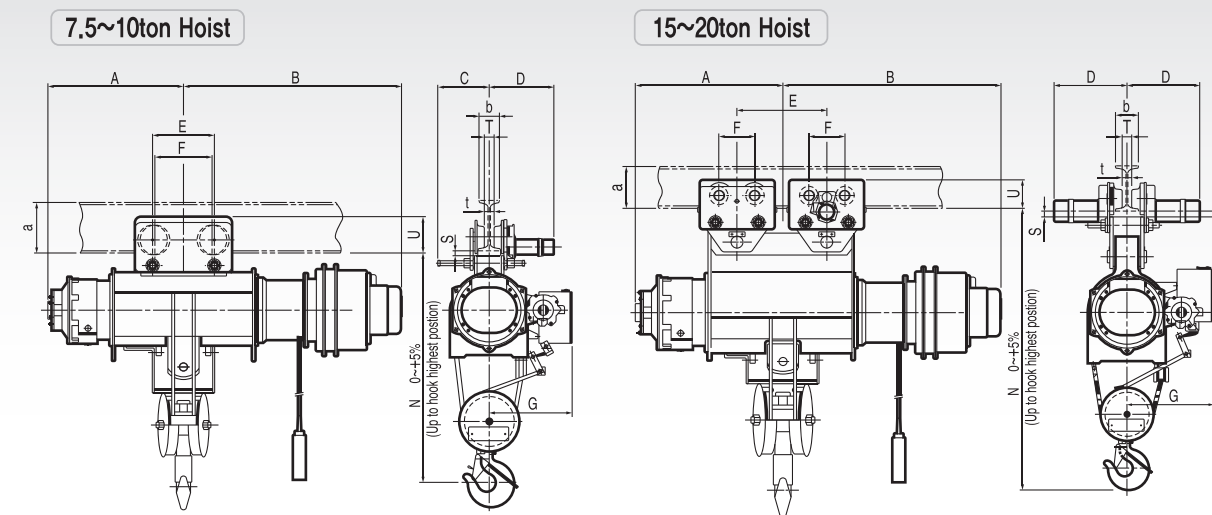
Regular Type Creep Hoist With Motor-Driven Trolley



Capacity (ton)			1	(1.9) 2	(2.8) 3	5														
Max. lift (m)			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	4.5/0.45														
		60(Hz)	13/1.3	10/1	10/1	5.3/0.53														
	Hoisting/Creep motor (kW×P)		2.6/0.6×4	3.8/0.6×4	5.3/0.6×4	5.0/0.8×6														
	Wire rope	Construction	6×F(29)	6×F(29)	6×(F)29	6×F(29)														
		(Dia.)(mm)× (no.of ropes)	Ø8×2	Ø10×2	Ø12.5×2	Ø11.2×4														
	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														
		Low speed 50/60(Hz)	11/13	11/13	11/13	13/16														
	Traversing motor (kW×P)	High speed	0.3×4	0.3×4	0.6×4	1.0×4														
		Low speed	0.3×4	0.3×4	0.3×4	0.6×6														
	Traversing Brake		D,C magnet disc brake																	
Dimension (approx.) (mm)		A	385(565)			403(560)			385(565)			708(833)								
		B	740(760)			705(733)			740(760)			1095(1220)								
		C	425			425			425			430								
		E	100			105			105			110								
		F	100			105			105			110								
		G	345			383			408			410								
		N	750			875			1045			1030								
		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	447	33	66	169	499	27	47	185	185	
300×150×10	—			—	—	—	460	38	91	170	459	33	90	170	512	31	72	189	189	
450×175×11	—			—	—	—	—	—	—	—	—	—	—	—	524	27	96	193	193	
Min. radius of curvature (m)			1.8			2.5			2.5			2.5								
Weight (approx.) (kg)			260(290)			415(440)			510(540)			710(770)								

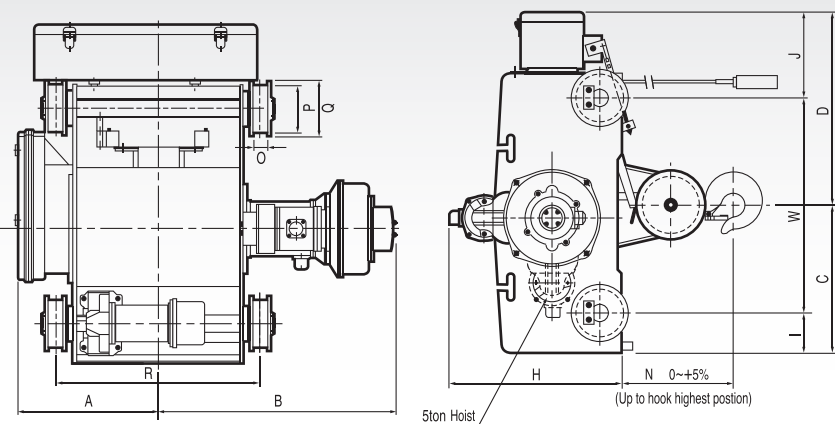
※ () : Life 12M

Regular Type Creep Hoist With Motor-Driven Trolley



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	15/1,6×8/6	15/1,6×8/6												
	Wire rope	Construction	6×F(29)	6×F(29)	6×(F)29	6×F(29)												
		(Dia.)(mm)× (no.of ropes)	Ø14×4	Ø16×4	Ø20×4	Ø22,4×4												
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	1,0×4	(1,0×4)×2	(1,8×4)×2												
		Low speed	0,67×6	0,67×4	(0,67×6)×2	(1,2×6)×2												
	Traversing Brake			D.C magnet disc brake														
Dimension (approx.) (mm)		A	834				897				1000				1045			
		B	1305				1359				1475				1437			
		C	314				323				—				—			
		E	300				328				800				800			
		F	259				296				300				328			
		G	458				493				558				583			
		N	1280				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
		400×150×10	578	49	58	254	604	49	54	279	—	—	—	—	—	—	—	—
		450×175×11	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				

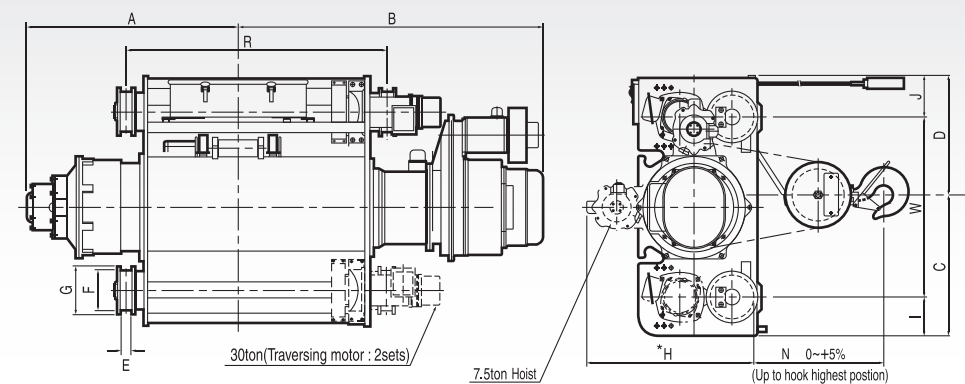
Double-Rail Type Creep Hoist With Motor-Driven Trolley



Capacity (ton)			(2.8) 3	5
Max. lift (m)			6(12)	8(12)
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	8.4/0.84	4.4/0.44
		60(Hz)	10/1	5.3/0.53
	Hoisting/Creep motor (kW×P)		5.3/0.6×4	5.0/0.8×6
	Wire rope	Construction	6×Fi(29)	6×Fi(29)
		(Dia.)(mm)× (no.of ropes)	Ø9×4	Ø11.2×4
	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
		Low speed 50/60(Hz)	10/12	10/12
	Traversing motor (kW×P)	High speed	0.6×4	0.6×4
		Low speed	0.4×6	0.4×6
	Traversing Brake		D.C magnet disc brake	
	Dimension (approx.) (mm)	A	440(590)	655(780)
B		842(992)	1100(1220)	
C		468	517	
D		605	443	
H		620	560	
I		125	165	
J		268	115	
N		345	346	
O		50	50	
P		150	150	
Q		175	175	
R(Rail gauge)		650(950)	900(1150)	
W(wheel base)		680	680	
Weight (approx.) (kg)		520(570)	720(680)	
Rail (kg/m)		15	15	

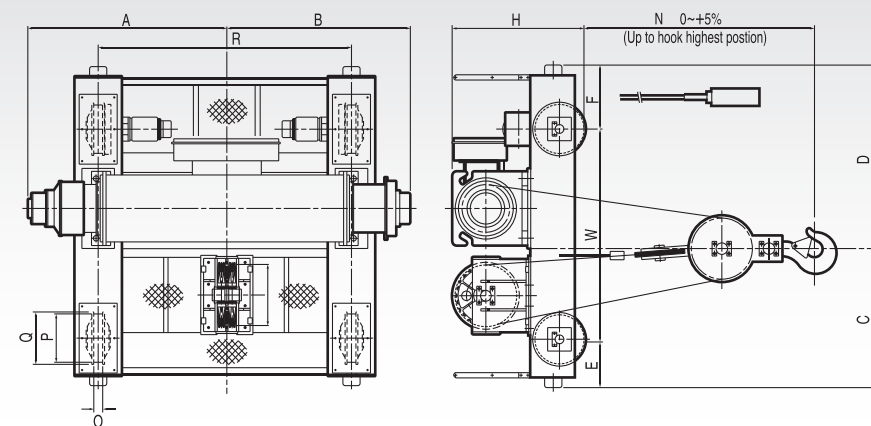
※ () : Life 12M

Double-Rail Type Creep Hoist With Motor-Driven Trolley



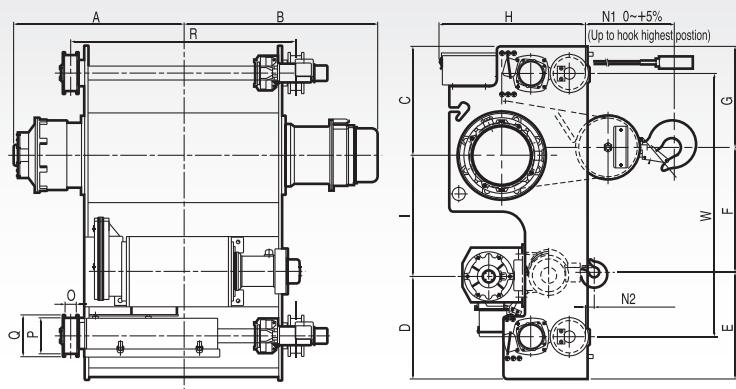
Capacity (ton)			7.5	10	15	20	30
Max. lift (m)			12	12	12	12	12
Hoist	Hoisting/Creep speed (m/min)	50(Hz)	3.8/0.38	3.7/0.37	3.7/0.37	3.1/0.31	2.1/0.18
		60(Hz)	4.6/0.46	4.5/0.45	4.5/0.45	3.75/0.375	2.5/0.22
	Hoisting/Creep motor (kW×P)		6.7/0.8×6	9/1.6×8/6	15/1.6×8/6	15/1.6×8/6	15/1.6×8/6
	Wire rope	Construction	6×F(29)	6×F(29)	6×F(29)	6×F(29)	6×F(29)
		(Dia.)(mm)× (no.of ropes)	Ø14×4	Ø16×4	Ø20×4	Ø22.4×4	Ø25×4
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	834	897	1000	1045	1405
		B	1305	1359	1475	1437	1537
		C	570	618	760	770	895
		D	583	630	703	743	759
		*H	630	543	743	748	795
		I	170	170	220	220	220
		J	223	233	243	248	244
		N	630	710	860	910	1120
		O	50	50	58	58	70
		P	190	190	250	250	250
		Q	225	225	285	285	285
		R(Rail gauge)	1150	1150	1200	1300	1400
		W(wheel base)	760	845	1000	1045	1190
Weight(approx.) (kg)			1100	1570	2440	2640	3930
Rail (kg/m)			15	15	22	22	37

Double-Rail Type Hoist With Motor-Driven Trolley



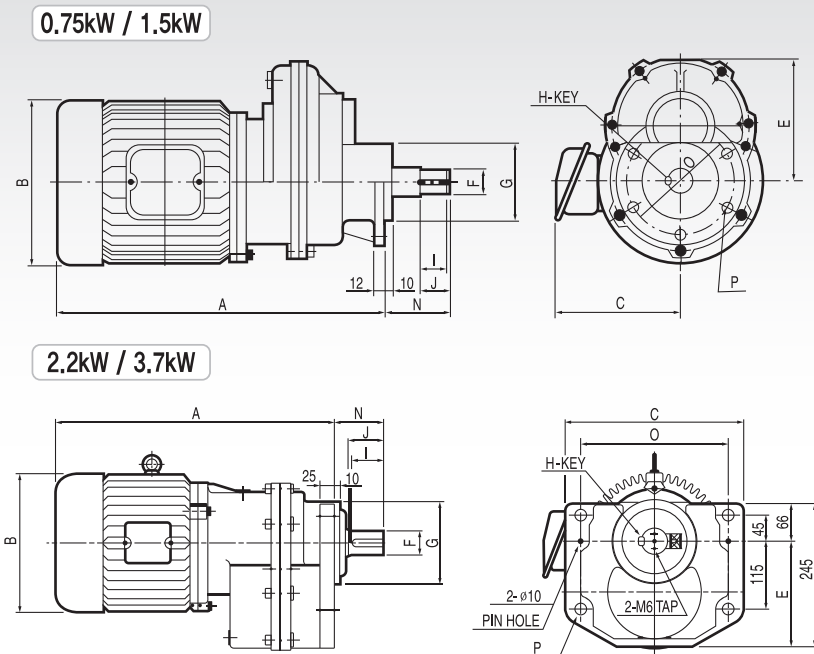
Capacity (ton)			40	50	60	
Max. lift (m)			12	12	12	
Hoist	Hoisting speed (m/min) 50/60(Hz)		1.8/2.2	2.0/2.4	2.0/2.4	
	Hoisting motor (kW×P)		20×6	33×6	33×6	
	Wire rope	Construction	6×F(29)	6×F(29)	6×F(29)	
		(Dia.)(mm) × (no.of ropes)	Ø25×6	Ø28×6	Ø25×8	
	Hoisting Brake		A,C magnet disc brake		D,C magnet disc brake	
Traversing	Traversing speed (m/min)		10/12	10/12	12/15	
	Traversing motor (kW×P)		(1.5×6)×2	(1.5×6)×2	(1.5×6)×2	
	Traversing Brake		D,C magnet disc brake			
Dimension (approx.) (mm)			A	1684	1684	1700
			B	1706	1906	1970
			C	604.5	785	1430
			D	1535.5	1815	1120
			E	300	410	300
			F	340	610	250
			H	1290	1420	1165
			N	1720	1950	1800
			O	80	85	85
			P	350	400	450
			Q	390	440	490
			R(Rail gauge)	1950	1950	2200
W(wheel base)	1540	1800	2000			
Weight (approx.) (kg)			—	—	—	
Rail (kg/m)			37	50	50	

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



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/Creep 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×F(29)	6×F(29)	6×F(29)	6×(F)29	6×F(29)	6×F(29)	6×F(29)	6×F(29)
		(Dia.)(mm)× (no.of ropes)	Ø16×4	Ø12.5×2	Ø20×4	Ø11.2×4	Ø22.4×4	Ø11.2×4	Ø25×4	Ø16×4
	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		(1.8×4)×2		(1.8×4)×2		(1.8×4)×2	
		Low speed	(0.67×6)×2		(1.2×6)×2		(1.2×6)×2		(1.2×4)×2	
	Traversing Brake		D.C magnet disc brake							
Dimension (approx.) (mm)		A	897		1000		1045		1405	
		B	1084		1225		1235		1285	
		C	683		900		845		853	
		D	573		420		670		658	
		E	543		387.5		637.5		605	
		F	730		782.5		865.5		918	
		G	633		830		772		773	
		H	860		940		1020		1040	
		I	647		680		760		785	
		N1	430(±35)		640(±45)		730(±50)		820(±50)	
		N2	157(±25)		190(±25)		50(±25)		182(±35)	
		O	50		58		58		70	
		P	190		200		250		250	
		Q	225		230		285		285	
		R(Rail gauge)	1150		1200		1300		1400	
W(wheel base)	1450		1500		1755		1870			
Weight(approx.) (kg)			1970		2950		3250		3600	
Rail (kg/m)			15		22		22		37	

Geared Motor For Saddle



Capacity (KW×P)		0.75×4/0.5×6	1.5×4/1.0×6	2.2×4/1.5×6	3.7×4/2.2×6
Reduction ratio		1/12.9, 1/16.3			1/21.6
Brake		D.C magnet disc brake			
Power source		A.C 220V, 380V, 440V			
Dimension (approx.) (mm)	A	386		557	
	B	Ø175		Ø236	
	C	140		300	
	E	143		179	
	F	Ø29h6		Ø45m6	
	G	Ø90f7		Ø140g6	
	H	7×7×55		14×9×55	
	I	57		55	
	J	61		59	
	N	91		83.5	
	O	Ø128		250	
	P	5-Ø13		4-Ø22	