

ASK NAMSUNG

ELECTRIC WIRE HOIST

運搬・荷役機械製作供給의 旗手!



You should
demand the best
for your money!
The wire hoist
from NAMSUNG have
been brought to a
logical conclusion:

ASK 南星機械産業株式會社
NAMSUNG MACHINERY CO., LTD.

회사 주요 연혁

- 1978. 3. 22 남성기계산업주식회사 설립
- 1978. 7. 15 일본Elephant사와 기술제휴 국내 최초로 Chain block 생산판매개시
- 1978. 9. 20 일본Elephant사와 전동 Chain hoist를 공급 계약, 판매개시
- 1979. 2. 5 각종 Crane(운반하역기계) 생산판매개시
- 1982. 10. 10 조선용기자재 전문공장 지정(제82-23호)
- 1983. 9. 30 전동 Chain hoist 신규개발 기계지정(제107호)
- 1984. 4. 30 유망중소기업 선정(제84-27호)
- 1985. 11. 30 상공부 수입대체업체 지정, 전동 Chain hoist 국산화 개발
- 1987. 7. 1 계열사 남성정밀공업주식회사 설립
- 1987. 9. 5 본사 및 제1공장 반월공단으로 이전(반월공단 B603-1)
- 1987. 9. 서울사무소 개설(서울 영등포구 당산동 2가 30-2)
- 1988. 1. 22 유망중소기업 선정(계열사 남성정밀공업주식회사)
- 1988. 4. 9 한국공업표준협회 정회원 가입(제882810호)
- 1990. 8. 8 계열사 남성무역산업 설립
- 1991. 2. 상공부 수입대체업체로 지정,
계열사 남성정밀공업(주)에서 생산기술연구원과 Link chain 국산화 공동개발
- 1994. 10. 5 전동 Wire hoist 개발
- 1995. 10. 17 남성기계산업(주) 제2정읍공장 매입
- 1997. 2. 13 계열사 남성무역산업, 부천공장 매입 제조업 추가
- 1997. 6. 16 남성기계산업(주) 제3공장 매입
- 1998. 8. 22 ISO 9001 인증 (인증번호:C151-076)

주요 생산품 연혁

- 1990. 3. 31 Chain block KS허가 취득(제7666호)
- 1992. 11. 23 전동식 Chain hoist 실용신안등록(제068723호)
- 1994. 3. 30 Chain block 의장등록(제150038호)
- 1994. 11. 17 Wire hoist 과부하 방지구 의장등록(제157639호)
- 1994. 11. 25 방폭 Load limiter 성능검사 합격
- 1995. 1. 13 Wire hoist 의장등록(제159675호)
- 1995. 1. 13 Hoist 과부하방지구 의장등록(제159678호 및 제159677호)
- 1995. 3. 31 Wire hoist 설계검사 합격
- 1995. 4. 7 전동식 Chain hoist 실용신안등록(제086836호)
- 1995. 12. 16 Chain hoist 및 방폭 Chain hoist 설계검사 합격
- 1998. 2. Chain hoist 성능검사 합격

Certificate No : C151-076



Certificate of Approval

Awarded to

NAMSUNG MACHINERY CO., LTD.

1054-1, Singil-Dong, Ansan-Si, Kyunggi-Do, KOREA

Small & Medium Industry Certification Center certify that the Quality Management System of the above supplier has been assessed and found to be in accordance with the requirements of the quality standards and scope of supply detailed below

QUALITY STANDARDS

KS A 9001 : 1998 ISO 9001 : 1994 EN ISO 9001 : 1994

SCOPE OF SUPPLY

Design, Development, Production, Installation and Servicing of
HOIST, CRANE

Subject to the continued satisfactory operation of the supplier's Quality Management System, this Certificate is valid for a period of three years from
22TH August 1998

For Small & Medium Industry Certification Center Co., LTD.

Issue Date: 22/ 8/ 1998

SMICC *Kim Yang Wae*

(SMICC-40-03, REV.0)

인증번호 : C 151 - 076



품질시스템 인증서

남성기계산업(주)

경기도 안산시 선결동 1054-1

중소기업인증센터는 위 회사의 품질시스템이 아래의
품질규격과 인증범위의 요구사항에 적합함을 인증합니다.

품질규격

KS A 9001 : 1998 ISO 9001 : 1994 EN ISO 29001 : 1994

인증범위

호이스트, 크레인에 대한 설계·개발, 생산, 설치 및 부가서비스

유효기간

1998. 8. 22. ~ 2001. 8. 21.

1998년 8월 22일

설치방법 : 22의 하부에 기재

(주)중소기업인증센터 대표이사



(SMICC-40-03, REV.0)

生産品目

- ELECTRIC CHAIN & WIRE HOIST
- SHEET LIFTER
- EXPLOSION-PROOF CHAIN & WIRE HOIST
- GENERAL CRANE
- EXPLOSION-PROOF CRANE
 - OVER HEAD CRANE
 - SUSPENSION CRANE
 - CRAB CRANE
 - JIB CRANE
 - GANTRY CRANE
- STACKER CRANE
- CHAIN BLOCK
- GEARED & PLAIN TROLLEY
- CARGO ELEVATOR
- 방폭전장품

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1. 과부하 방지 장치 (OVER LOAD LIMITER)

한국산업안전관리공단 검정을 획득한 전기식 과부하 방지장치로 권상 MOTOR의 전류 변화를 C.T로 감지하여 정격하중 이상의 LOAD가 걸릴 때는 자동으로 전원을 차단하고 BUZZER를 울려 안전사고를 미연에 방지하고 과부하 작업에 의한 기계수명 단축을 방지합니다.

2. 과권상 방지 장치 (UPPER LIMIT S/W)

WIRE ROPE의 과다 감김을 방지하여 권상작업시 권상장치 부분과 LOAD BLOCK의 충돌을 방지하기 위한 장치로 주회로를 차단하여 MAGNET S/W의 용착시에도 안전성을 보장합니다.

3. D.C MAGNETIC BRAKE

A.C BRAKE의 약점을 보완하여 정확한 제동력을 갖는 D.C MAGNETIC BRAKE를 사용하였습니다.

4. 운전 조작용 PUSH BUTTON S/W

산업 안전보건법 검사규정 제38조에 의거 조작전압은 110V로 되어있고, 비상정지 스위치와 조작용 스위치로 구성 되어 있으며 스위치 조작을 경제하게 할 수 있습니다. 특히 충격에 강하고 내구성이 우수하며 방수처리가 완벽하도록 제작하였습니다.

5. PUSH BUTTON CABLE

PUSH BUTTON CABLE은 전도성이 우수하고, 강한 인장력과 유연한 성질을 갖고 있는 개발품으로 외부힘에 의하여 단선되는 일이 없도록 편조 CABLE를 사용하였습니다.

6. 후크 해지장치 (SAFETY RATCH)

운전중 후크에 걸린 와이어 로프 및 기타 달기구가 후크에서 이탈되는 것을 방지하여 안전사고를 미연에 방지하도록 HOOK에 설치하였습니다.

7. Motor 냉각 방식을 T.E.F.C Type을 사용하여 Motor의 냉각 효율이 좋습니다.

1. Over Load Limiter

This passed the test of "Korea Industrial Safety Corporation". It senses the change of electric current in the lifting motors. When the electricity becomes over-load, it cuts off the power automatically and buzzes for the safety and the long life of the hoist.

2. Upper limit Switch

This prevents the wire rope not to be rolled too much. It prevents the collision of Load block and motor. Even when the Magnet Switch is broken it assured the safety of the machine by cutting off the main.

3. D.C Magnetic Brake

We adapt the D.C Magnetic Brake which is the advanced one of A.C Brake.

4. Push Button Switch

According to the "Industrial Safety Act §38", the standard voltage is fixed at 110V. There are two buttons - the emergency stop Button and normal operating button. These are easy to operate, durable, light, and resistant to water.

5. Push Button Cable

P.B. cable are conductive, elastic and soft. We adapt the insulated Cable not to be shut off.

6. Safety Ratch

We make a safety instrument. This is for preventing the wire rope and other goods transported not to get out of the hook.

7. Motor Cooling Type is T.E.F(Totally Enclosed Fan Cooled Type)



형식 및 사양 (Type & Specifications)

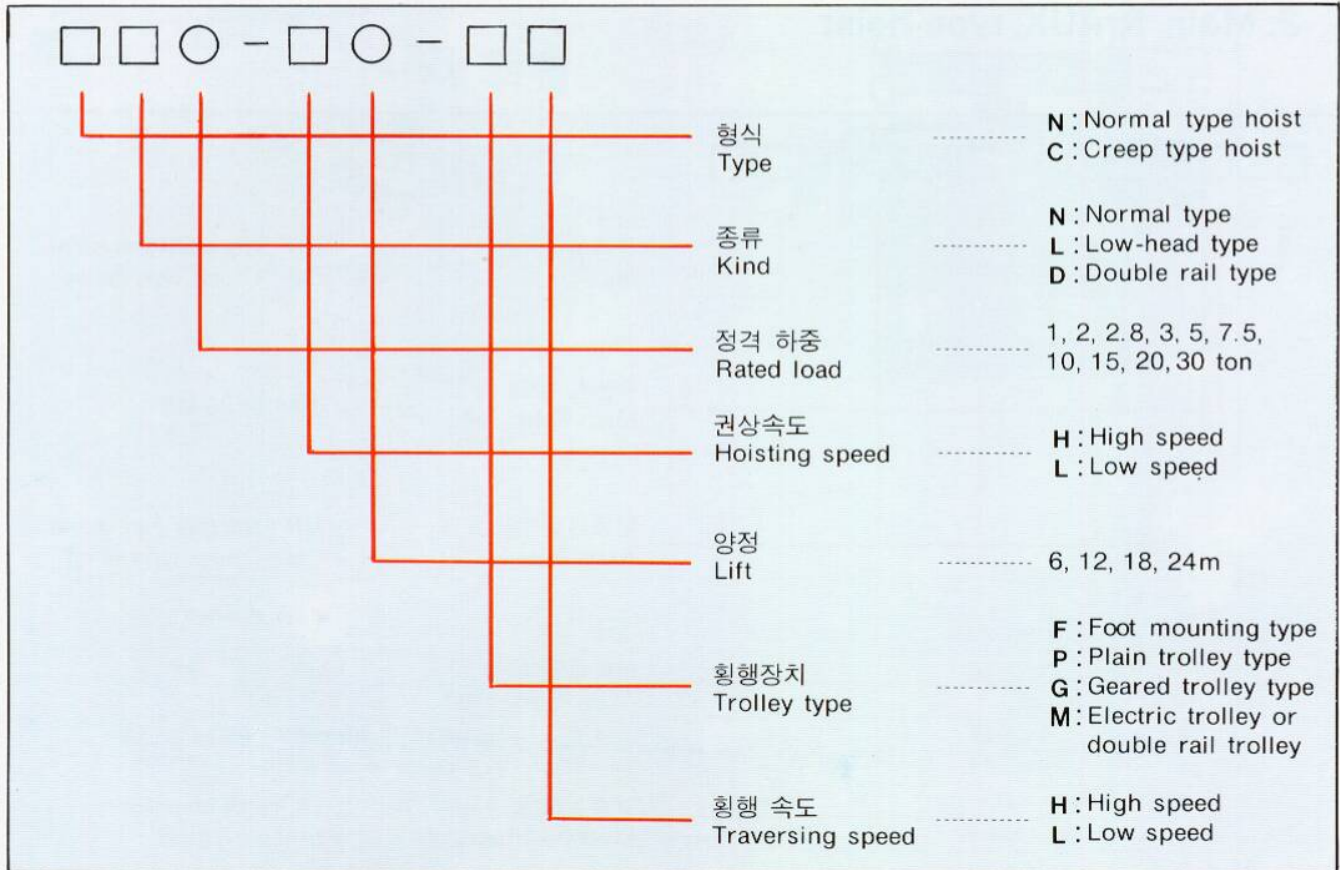
1. 기본 형식 hoist (Base type wire hoist)

형 식 사 양	Normal type wire hoist					
Trolley type	Foot mounting type	Plain trolley type	Geared trolley type	Electric trolley type	Double type	Low-head type
Push button type	2 point	2/4 point		4/6 point		
Hoisting speed	1단 speed(high/low single speed)					
Main power supply	A.C 220V, 380V, 440V, 460V, 480V×3ϕ×60/50 Hz					
Control power supply	A.C 110V×1ϕ×60/50 Hz					
Ambient temperature	-10°C~+40°C					
Construction	water and dust proof					
Painting color	D-53516: 7.3B-5.1/9.0(BLUE)					

2. 특수 사양 형식 hoist (Special type wire hoist)

사 양 \ 형 식	Creep speed wire hoist			Main & Aux. type hoist	
Trolley type	Electric trolley type	Double type	Low-head type	Normal type	Creep type
Push button type	4/6 point			6 point	
Hoisting speed	2단 speed(high+creep double speed)			1단 speed (single speed)	2단 speed (double speed)
Main power supply	A.C 220V, 380V, 440V, 460V, 480V×3 ϕ ×60/50 Hz				
Control power supply	A.C 110V×1 ϕ ×60/50 Hz				
Ambient temperature	-10°C~+40°C				
Construction	water and dust proof				
Painting color	D-53516:7.3B-5.1/9.0(BLUE)				

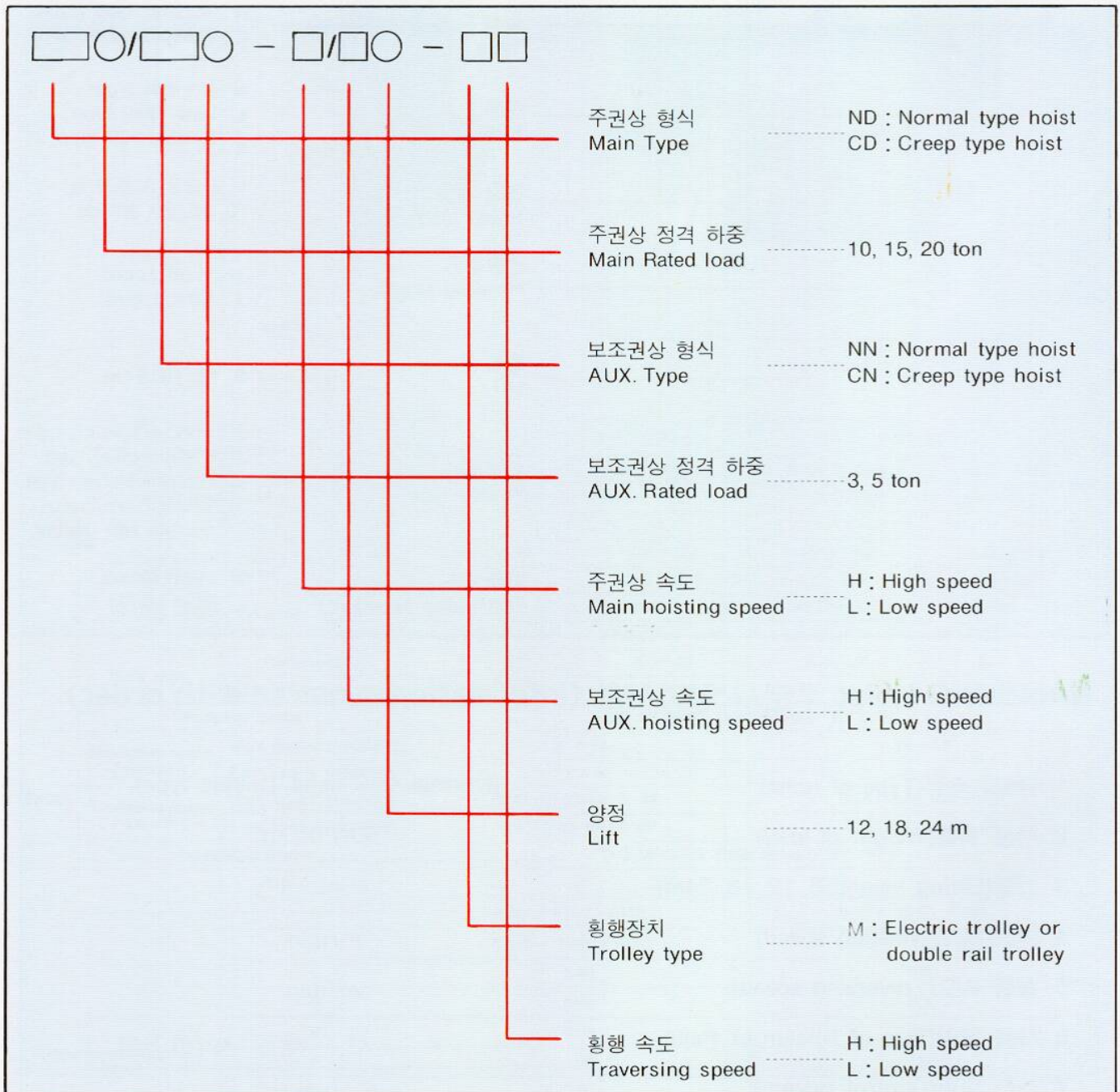
1. Normal & Creep type hoist



NAMSUNG Hoist 주문시 명기사항 (Information required with order)

1. Hoist 종류(Type of hoist)	:	(Normal, Low-head, Double type)
2. 사용 하중(Weight of load)	:	TON or kg
3. 양정(Lifting height : 6, 12, 18, 24m)	:	m
4. 권상 속도(Hoisting speed)	:	m/min
5. 횡행 속도(Traversing speed)	:	m/min
6. 사용 레일(Size of I-beam or Rail)	:	I — × ×t or kg/m Rail
7. 조작 방법(Control system)	:	Point P.B.
8. 주전원(Main power supply)	:	V × φ × Hz
9. 조작 전원(Control power supply)	:	V × φ × Hz
10. 사용 장소(Place of installation)	:	실내 · 외(Indoor or Outdoor)

2. Main & AUX. type hoist



ASK Normal type wire hoist



1. 일반형 와이어 호이스트

NAMSUNG wire hoist의 기본이 되는 호이스트로 각 부분이 블록 형태로 되어 있어 원하는 성능의 제품으로 조립이 가능하고 고장시 유지 보수가 단시간 내에 가능합니다.

2. 고속, 고양정

30분 정격의 Motor를 사용하여 고양정의 작업에 적합하고 wire를 사용 고속 권상이 가능합니다.



1. Normal type wire hoist

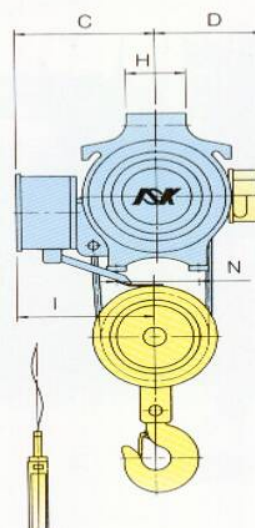
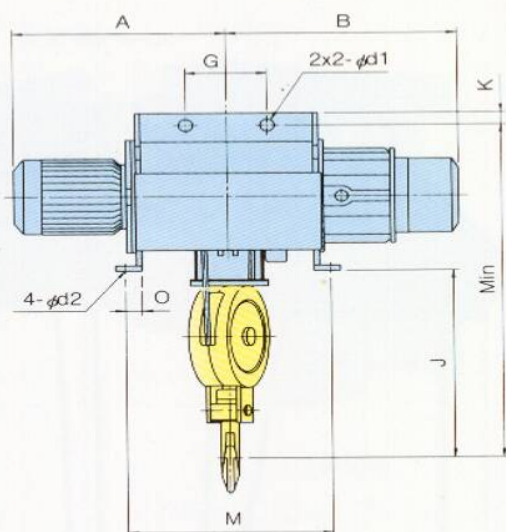
This is the standard type of NAMSUNG wire hoist. Each parts is a form of block, of which maintenance is easy.

2. High lift, high speed hoist

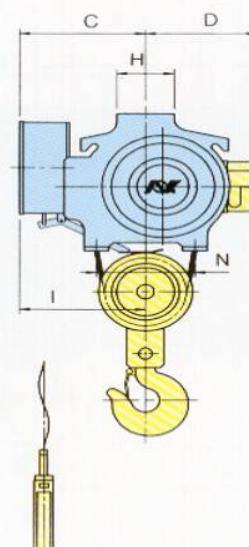
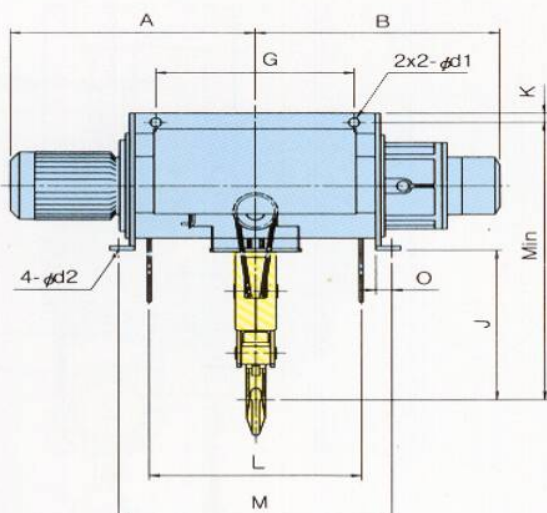
With the motor of 30 min. rating, it is profitable to high lifting operation. With the wire, it can be used in high speed hoisting.



Foot mounting type normal wire hoist



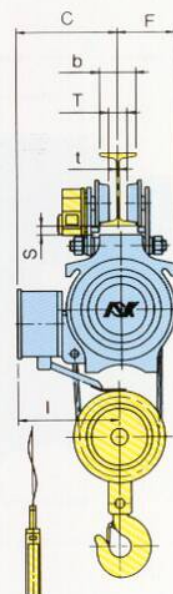
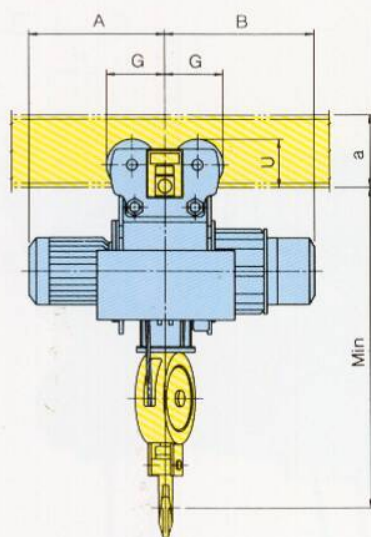
Capacity (TON)			1	2	2.8	3	5		
Hoist Model name		High speed	NN1-H6(12)-F	NN2-H6(12)-F	NN2.8-H6(12)-F	NN3-H6(12)-F	NN5-H6(12)-F		
		Low speed	NN1-L6(12)-F	NN2-L6(12)-F	NN2.8-L6(12)-F	NN3-L6(12)-F	NN5-L6(12)-F		
Hoist	Lift (m)		6 (12)	6 (12)	6 (12)	6 (12)	6 (12)		
	Hoisting speed (m/min)	High speed (60/50Hz)	12 / 10	10 / 8	9.0 / 7.5	9.0 / 7.5	5.6 / 4.7		
		Low speed (60/50Hz)	6 / 5	5 / 4	4.5 / 3.7	4.5 / 3.7	4.2 / 3.5		
	Hoisting motor (kw×P)	High speed (60/50Hz)	2.2/1.8kw×4P	3.7/3.1kw×4P	4.8/4.0kw×4P	5.5/4.6kw×4P	5.5/4.6kw×6P		
		Low speed (60/50Hz)	1.1/0.92kw×8P	1.8/1.5kw×8P	2.5/2.1kw×8P	2.8/2.3kw×8P	4.2/3.5kw×8P		
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37	6 × 37		
		Dia.(mm)×no.of ropes	Ø8 × 2 Fall	Ø10 × 2 Fall	Ø12.5 × 2 Fall	Ø12.5 × 2 Fall	Ø16 × 2 Fall		
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE						
Dimensions (approx.) (mm)			min.	750	920	1050	1050	1245	
			A	High speed	440 (540)	440 (540)	485 (585)	485 (585)	565 (655)
				Low speed	450 (550)	450 (550)	485 (585)	485 (585)	565 (655)
			B	405 (505)	475 (575)	525 (625)	525 (625)	620 (710)	
			C	290	352	395	395	430	
			D	270	308	305	305	330	
			G	180	180	200	200	250	
			H	115	140	150	150	180	
			I	284	338	377	377	420	
			J	400	525	585	585	701	
			K	30	30	36	36	45	
			M	350 (550)	350 (550)	364 (564)	364 (564)	450 (630)	
			N	150	200	200	200	250	
			O	45	49	45	45	50	
			d ₁	26	26	32	32	44	
d ₂	17	17	17	17	17				
Weight (kg)			171 (196)	227 (255)	352 (396)	352 (396)	518 (581)		



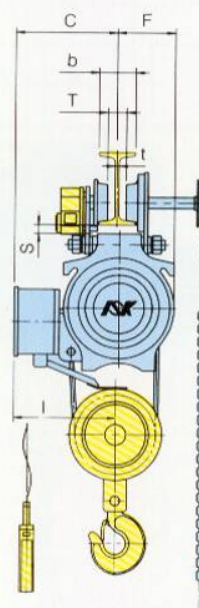
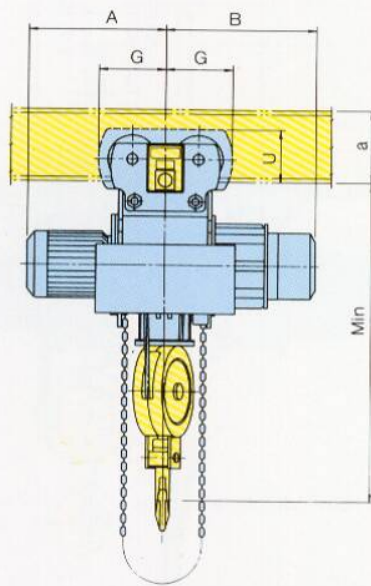
Capacity (TON)		7.5	10	15	20		
Hoist Model name		High speed	NN7.5-H12-F	NN10-H12-F	NN15-H12-F	NN20-H12-F	
		Low speed	NN7.5-L12-F	NN10-L12-F	NN15-L12-F	NN20-L12-F	
Hoist	Lift (m)		12	12	12	12	
	Hoisting speed (m/min)	High speed (60/50Hz)	3.8 / 3.2	4.5 / 3.7	4.5 / 3.7	4.2 / 3.4	
		Low speed (60/50Hz)	2.8 / 2.3	3.0 / 2.5	3.0 / 2.5	2.8 / 2.3	
	Hoisting motor (kw×P)	High speed (60/50Hz)	5.5/4.6kw×6P	9.0/7.5kw×8P	13.0/10.8kw×8P	17.0/14.2kw×8P	
		Low speed (60/50Hz)	4.2/3.2kw×8P	6.0/5.0kw×12P	8.5/7.1kw×12P	11.5/9.6kw×12P	
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall	Ø16 × 4 Fall	Ø20 × 4 Fall	Ø22.5 × 4 Fall	
Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE					
Dimensions (approx.) (mm)		min.	1115	1345	1645	1860	
		A	High speed	885	990	1055	1145
			Low speed	885	990	1015	1095
		B	940	985	1080	1170	
		C	445	510	600	610	
		D	435	450	410	475	
		G	800	800	800	850	
		H	232	232	272	272	
		I	447	510	600	610	
		J	741	726	950	1021	
		K	45	45	65	65	
		Wire rope L (max.)	830	855	870	910	
		M	1100	1100	1150	1250	
		N	400	400	500	500	
		O	56.5	64	67	74	
		d ₁	44	44	60	60	
d ₂	25	25	25	25			
Weight (kg)		872	1115	1756	2216		



Plain trolley type normal wire hoist



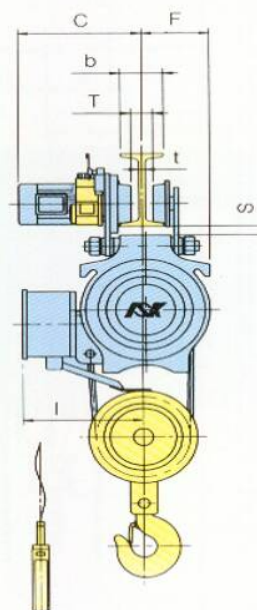
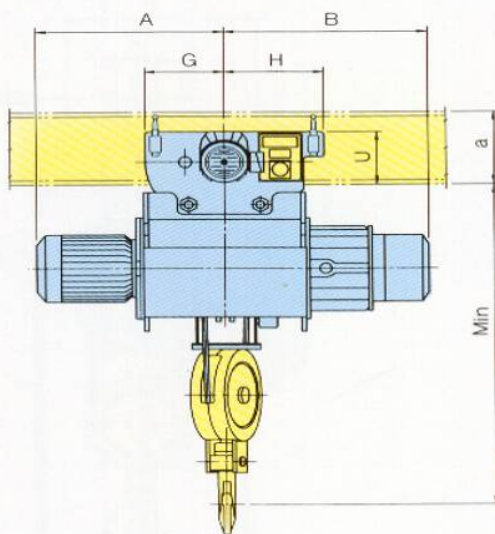
Capacity (TON)			1			2			2.8			3			5					
Hoist Model name		High speed	NN1-H6(12)-P			NN2-H6(12)-P			NN2.8-H6(12)-P			NN3-H6(12)-P			NN5-H6(12)-P					
		Low speed	NN1-L6(12)-P			NN2-L6(12)-P			NN2.8-L6(12)-P			NN3-L6(12)-P			NN5-L6(12)-P					
Hoist	Lift (m)		6 (12)			6 (12)			6 (12)			6 (12)			6 (12)					
	Hoisting speed (m/min)	High speed (60/50Hz)	12 / 10			10 / 8			9.0 / 7.5			9.0 / 7.5			5.6 / 4.7					
		Low speed (60/50Hz)	6 / 5			5 / 4			4.5 / 3.7			4.5 / 3.7			4.2 / 3.5					
	Hoisting motor (kw×P)	High speed (60/50Hz)	2.2/1.8kw×4P			3.7/3.1kw×4P			4.8/4.0kw×4P			5.5/4.6kw×4P			5.5/4.6kw×6P					
		Low speed (60/50Hz)	1.1/0.92kw×8P			1.8/1.5kw×8P			2.5/2.1kw×8P			2.8/2.3kw×8P			4.2/3.5kw×8P					
	Wire rope	Construction	6 × 19			6 × 37			6 × 37			6 × 37			6 × 37					
		Dia.(mm)×no.of ropes	Ø8 × 2 Fall			Ø10 × 2 Fall			Ø12.5 × 2 Fall			Ø12.5 × 2 Fall			Ø16 × 2 Fall					
Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE																		
Dimensions (approx.) (mm)			min.		815			980			1115			1115			1325			
			A	High speed	440 (540)			440 (540)			485 (585)			485 (585)			565 (655)			
				Low speed	450 (550)			450 (550)			485 (585)			485 (585)			565 (655)			
			B		405 (505)			475 (575)			525 (625)			525 (625)			620 (710)			
			C		287			346			382			382			420			
			F		169			191.5			205			205			238			
			G		175			175			200			200			230			
			I		284			338			377			377			420			
I-beam and spacing (mm)			a × b × t		S	T	U	S	T	U	S	T	U	S	T	U	S	T	U	
			200 × 100 × t7/10		39	46	162	—	—	—	—	—	—	—	—	—	—	—	—	—
			250 × 125 × t7.5/12.5		37	71	164	37	71	164	33	60	170	33	60	170	42	51	183	
			300 × 150 × 10/18.5		32	96	169	32	96	169	28	85	175	28	85	175	37	76	188	
			450 × 175 × t13/26		—	—	—	—	—	—	—	—	—	—	—	—	30	101	195	
Min. radius of curvature (mm)			1500			1500			1800			1800			2300					
Weight (kg)			198 (223)			250 (278)			393 (437)			393 (437)			586 (649)					



Capacity (TON)			1				2				2.8				3				5						
Hoist Model name			High speed		NN1-H6(12)-G				NN2-H6(12)-G				NN2.8-H6(12)-G				NN3-H6(12)-G				NN5-H6(12)-G				
			Low speed		NN1-L6(12)-G				NN2-L6(12)-G				NN2.8-L6(12)-G				NN3-L6(12)-G				NN5-L6(12)-G				
Hoist	Lift (m)				6 (12)				6 (12)				6 (12)				6 (12)				6 (12)				
	Hoisting speed (m/min)	High speed (60/50Hz)				12 / 10				10 / 8				9.0 / 7.5				9.0 / 7.5				5.6 / 4.7			
		Low speed (60/50Hz)				6 / 5				5 / 4				4.5 / 3.7				4.5 / 3.7				4.2 / 3.5			
	Hoisting motor (kw×P)	High speed (60/50Hz)				2.2/1.8kw×4P				3.7/3.1kw×4P				4.8/4.0kw×4P				5.5/4.6kw×4P				5.5/4.6kw×6P			
		Low speed (60/50Hz)				1.1/0.92kw×8P				1.8/1.5kw×8P				2.5/2.1kw×8P				2.8/2.3kw×8P				4.2/3.5kw×8P			
	Wire rope	Construction				6 × 19				6 × 37				6 × 37				6 × 37				6 × 37			
		Dia.(mm)×no.of ropes				Ø8 × 2 Fall				Ø10 × 2 Fall				Ø12.5 × 2 Fall				Ø12.5 × 2 Fall				Ø16 × 2 Fall			
	Hoisting Brake				D.C MAGNET DISC BRAKE "B" TYPE																				
Dimensions (approx.) (mm)			min.		815				980				1115				1115				1325				
			A	High speed		440 (540)				440 (540)				485 (585)				485 (585)				565 (655)			
				Low speed		450 (550)				450 (550)				485 (585)				485 (585)				565 (655)			
			B		405 (505)				475 (575)				525 (625)				525 (625)				620 (710)				
			C		287				346				385				385				420				
			G		195				195				230				230				275				
			I		284				338				377				377				420				
I-beam and spacing (mm)			a × b × t		F	S	T	U	F	S	T	U	F	S	T	U	F	S	T	U	F	S	T	U	
			200×100×t7/10		339	39	46	162	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			250×125×t7.5/12.5		351	37	71	164	351	37	71	164	360	33	60	170	360	33	60	170	363	42	51	183	
			300×150×10/18.5		364	32	96	169	364	32	96	169	373	28	85	175	373	28	85	175	376	37	76	188	
			450×175×t13/26		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	388	30	101	195	
Min. radius of curvature (mm)			1500				1500				1800				1800				2300						
Weight (kg)			211 (236)				267 (295)				400 (444)				400 (444)				616 (679)						



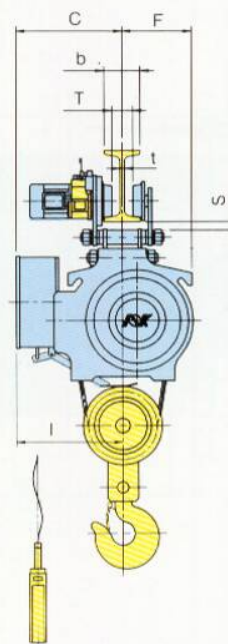
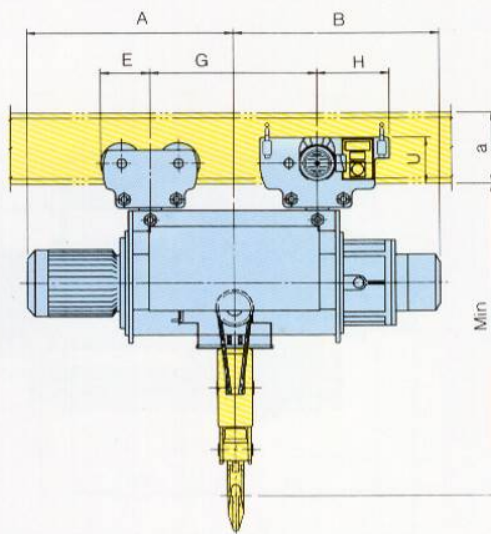
Electric trolley type normal wire hoist



Capacity (TON)		1	2	2.8	3	5
Hoist Model name (Hoisting speed - Traversing speed)	High - High	NN1-H6(12)-MH	NN2-H6(12)-MH	NN2.8-H6(12)-MH	NN3-H6(12)-MH	NN5-H6(12)-MH
	High - Low	NN1-H6(12)-ML	NN2-H6(12)-ML	NN2.8-H6(12)-ML	NN3-H6(12)-ML	NN5-H6(12)-ML
	Low - High	NN1-L6(12)-MH	NN2-L6(12)-MH	NN2.8-L6(12)-MH	NN3-L6(12)-MH	NN5-L6(12)-MH
	Low - Low	NN1-L6(12)-ML	NN2-L6(12)-ML	NN2.8-L6(12)-ML	NN3-L6(12)-ML	NN5-L6(12)-ML
Hoist	Lift (m)	6 (12)	6 (12)	6 (12)	6 (12)	6 (12)
	Hoisting speed (m/min)	High speed (60/50Hz)	12 / 10	10 / 8	9.0 / 7.5	5.6 / 4.7
		Low speed (60/50Hz)	6 / 5	5 / 4	4.5 / 3.7	4.2 / 3.5
	Hoisting motor (kw × P)	High speed (60/50Hz)	2.2/1.8kw × 4P	3.7/3.1kw × 4P	4.8/4.0kw × 4P	5.5/4.6kw × 4P
		Low speed (60/50Hz)	1.1/0.92kw × 8P	1.8/1.5kw × 8P	2.5/2.1kw × 8P	2.8/2.3kw × 8P
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37
		Dia.(mm) × no.of ropes	Ø8 × 2 Fall	Ø10 × 2 Fall	Ø12.5 × 2 Fall	Ø12.5 × 2 Fall
Trolley	Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE			
	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13
	Traversing motor (kw × P)	High speed (60/50Hz)	0.75/0.63kw × 4P	0.75/0.63kw × 4P	0.75/0.63kw × 4P	0.75/0.63kw × 4P
		Low speed (60/50Hz)	0.5/0.42kw × 6P	0.5/0.42kw × 6P	0.5/0.42kw × 6P	0.5/0.42kw × 6P
	Traversing Brake		D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)	min.		815	980	1115	1115
	A	High speed	440 (540)	440 (540)	485 (585)	485 (585)
		Low speed	450 (550)	450 (550)	485 (585)	485 (585)
	B		405 (505)	475 (575)	525 (625)	525 (625)
	F		169	191.5	205	205
	G		195	195	230	230
	H		265	265	320	320
I-beam and spacing (mm)	I		284	338	377	377
	a × b × t		C S T U	C S T U	C S T U	C S T U
	200 × 100 × t7/10		390 39 46 157	403 37 71 159	415 33 60 170	415 33 60 170
	250 × 125 × t7.5/12.5		403 37 71 159	415 33 60 170	427 28 85 175	427 28 85 175
	300 × 150 × 10/18.5		415 32 96 164	427 28 85 175	443 30 101 225	443 30 101 225
Min. radius of curvature (mm)		1500	1500	1800	1800	2300
Weight (kg)		235 (260)	292 (320)	430 (474)	430 (474)	641 (704)



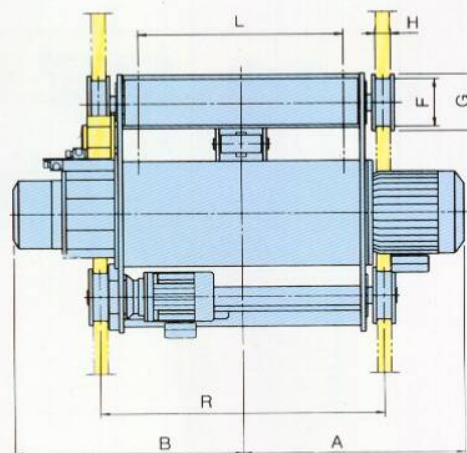
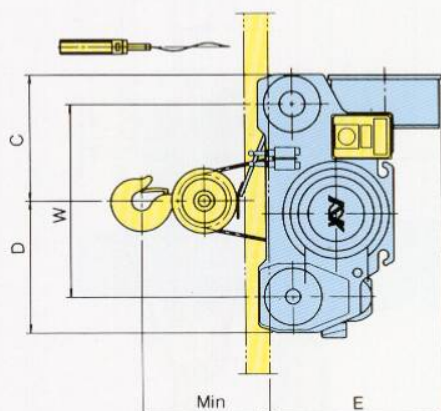
Electric trolley type normal wire hoist



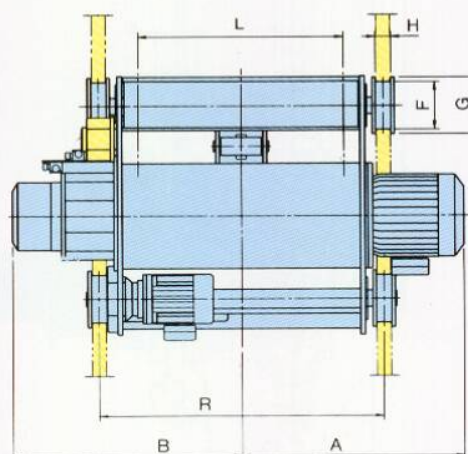
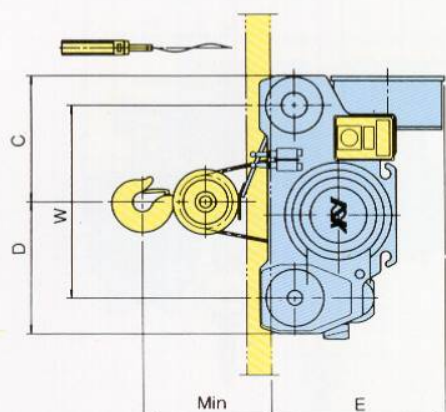
Capacity (TON)			7.5			10			15			20							
Hoist Model name (Hoisting speed - Traversing speed)		High - High	NN7.5-H12-MH			NN10-H12-MH			NN15-H12-MH			NN20-H12-MH							
		High - Low	NN7.5-H12-ML			NN10-H12-ML			NN15-H12-ML			NN20-H12-ML							
		Low - High	NN7.5-L12-MH			NN10-M12-MH			NN15-M12-MH			NN20-M12-MH							
		Low - Low	NN7.5-L12-ML			NN10-L12-ML			NN15-L12-ML			NN20-L12-ML							
Hoist	Lift (m)		12			12			12			12							
	Hoisting speed (m/min)	High speed (60/50Hz)	3.8 / 3.2			4.5 / 3.7			4.5 / 3.7			4.2 / 3.4							
		Low speed (60/50Hz)	2.8 / 2.3			3.0 / 2.5			3.0 / 2.5			2.8 / 2.3							
	Hoisting motor (kw×P)	High speed (60/50Hz)	5.5/4.6kw×6P			9.0/7.5kw×8P			13.0/10.8kw×8P			17.0/14.2kw×8P							
		Low speed (60/50Hz)	4.2/3.2kw×8P			6.0/5.0kw×12P			8.5/7.1kw×12P			11.5/9.6kw×12P							
	Wire rope	Construction	6 × 37			6 × 37			6 × 37			6 × 37							
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall			Ø16 × 4 Fall			Ø20 × 4 Fall			Ø22.4 × 4 Fall							
		Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE														
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	18 / 15			18 / 15			16 / 13			16 / 13							
		Low speed (60/50Hz)	12 / 10			12 / 10			11 / 9			11 / 9							
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P			0.75/0.63kw×4P			1.5/1.3kw×4P			1.5/1.3kw×4P							
		Low speed (60/50Hz)	0.5/0.42kw×6P			0.5/0.42kw×6P			1.0/0.83kw×6P			1.0/0.83kw×6P							
			Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE													
Dimensions(approx.) (mm)		min.		1460			1520			1875			2100						
				A	High speed	885			990			1055			1145				
					Low speed	885			990			1015			1095				
		B		940			985			1110			1170						
		F		305			334			390			420						
		E		230			230			252			252						
		G		800			800			800			850						
		H		325			325			345			345						
		I		447			510			600			610						
I-beam and spacing (mm)		a × b × t		C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U
		300 × 150 × t10/18.5		430	42	76	218	510	42	76	218	—	—	—	—	—	—	—	—
		450 × 175 × t13/26		443	35	101	225	510	35	101	225	600	30	71	250	610	30	71	250
		600 × 190 × t13/25		450	36	116	224	510	36	116	224	600	32	86	248	610	32	86	248
Min. radius of curvature (mm)			∞			∞			∞			∞							
Weight (kg)			1102			1346			2117			2577							



Double type normal wire hoist



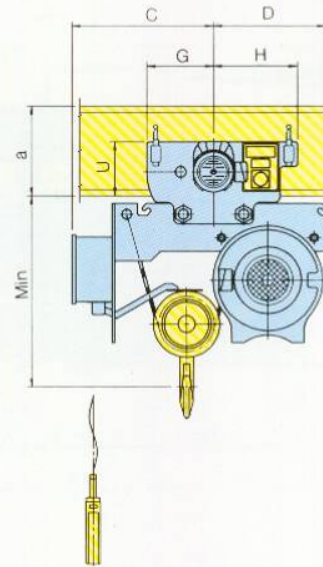
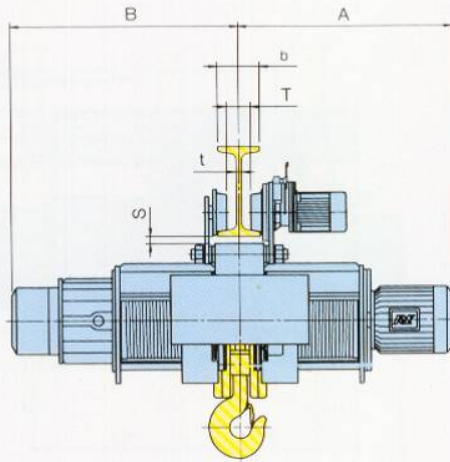
Capacity (TON)			2	2.8	3	5	
Hoist Model name (Hoisting speed - Traversing speed)		High - High	ND2-H12-MH	ND2.8-H12-MH	ND3-H12-MH	ND5-H12-MH	
		High - Low	ND2-H12-ML	ND2.8-H12-ML	ND3-H12-ML	ND5-H12-ML	
		Low - High	ND2-L12-MH	ND2.8-L12-MH	ND3-L12-MH	ND5-L12-MH	
		Low - Low	ND2-L12-ML	ND2.8-L12-ML	ND3-L12-ML	ND5-L12-ML	
Hoist	Lift (m)		12	12	12	12	
	Hoisting speed (m/min)	High speed (60/50Hz)	10 / 8	9.0 / 7.5	9.0 / 7.5	5.6 / 4.7	
		Low speed (60/50Hz)	5 / 4	4.5 / 3.7	4.5 / 3.7	4.2 / 3.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	3.7/3.1kw×4P	4.8/4.0kw×4P	5.5/4.6kw×4P	5.5/4.6kw×6P	
		Low speed (60/50Hz)	1.8/1.5kw×8P	2.5/2.1kw×8P	2.8/2.3kw×8P	4.2/3.5kw×8P	
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø8 × 4 Fall	Ø9 × 4 Fall	Ø9 × 4 Fall	Ø12.5 × 4 Fall	
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20	
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.	415	425	425	505	
		A	High speed	715	740	740	885
			Low speed	725	740	740	885
		B	750	780	780	940	
		C	425	425	425	480	
		D	445	445	445	500	
		E	500	580	580	580	
		F	160	160	160	160	
		G	190	190	190	190	
		H	47	47	47	47	
		Wire rope max. L	710	685	685	790	
		Rail gage R	950	950	950	1150	
Wheel base W	650	650	650	760			
Rail (kg/m)			15 kg/m	15 kg/m	15 kg/m	15 kg/m	
Weight (kg)			522	629	629	915	



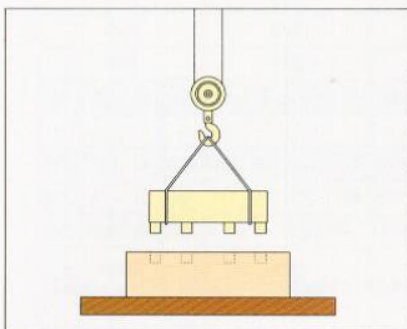
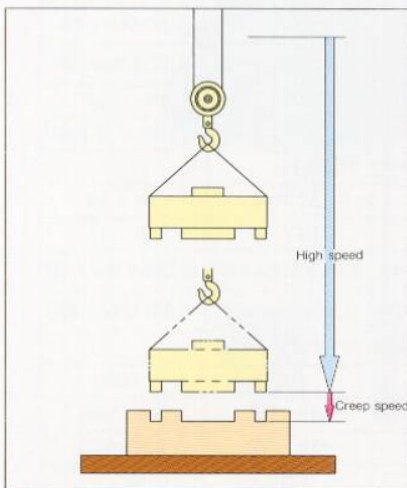
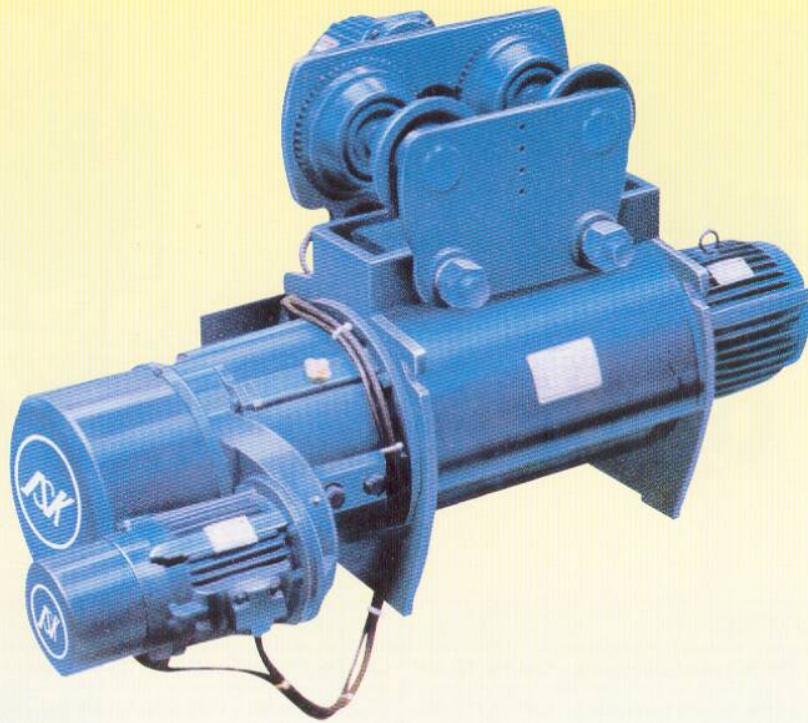
Capacity (TON)			7.5	10	15	20	30		
Hoist Model name (Hoisting speed - Traversing speed)	High - High		ND7.5-H12-MH	ND10-H12-MH	ND15-H12-MH	ND20-H12-MH	ND30-H12-MH		
	High - Low		ND7.5-H12-ML	ND10-H12-ML	ND15-H12-ML	ND20-H12-ML	ND30-H12-ML		
	Low - High		ND7.5-L12-MH	ND10- L12-MH	ND15- L 12-MH	ND20- L 12-MH	ND30- L 12-MH		
	Low - Low		ND7.5-L12-ML	ND10-L12-ML	ND15-L12-ML	ND20-L12-ML	ND30-L12-ML		
Hoist	Lift (m)		12	12	12	12	12		
	Hoisting speed (m/min)	High speed (60/50Hz)	3.8 / 3.2	4.5 / 3.7	4.5 / 3.7	4.2 / 3.4	2.8 / 2.3		
		Low speed (60/50Hz)	2.8 / 2.3	3.0 / 2.5	3.0 / 2.5	2.8 / 2.3	1.8 / 1.5		
	Hoisting motor (kw×P)	High speed (60/50Hz)	5.5/4.6kw×6P	9.0/7.5kw×8P	13.0/10.8kw×8P	17.0/14.2kw×8P	17.0/14.2kw×8P		
		Low speed (60/50Hz)	4.2/3.2kw×8P	6.0/5.0kw×12P	8.5/7.1kw×12P	11.5/9.6kw×12P	11.5/9.6kw×12P		
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	6 × 37		
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall	Ø16 × 4 Fall	Ø20 × 4 Fall	Ø22.4 × 4 Fall	Ø22.4 × 6 Fall		
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE						
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	16 / 13		
		Low speed (60/50Hz)	11 / 9	11 / 9	11 / 9	11 / 9	11 / 9		
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P×2		
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P×2		
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE					
Dimensions(approx.) (mm)			min.		760	775	985	1150	1400
			A	High speed	885	990	1055	1145	1395
				Low speed	885	990	1015	1095	1345
			B		940	985	1080	1170	1420
			C		500	543	600	630	900
			D		520	567	595	650	915
			E		640	690	838	895	900
			F		160	180	180	220	250
			G		190	210	210	250	280
			H		47	58	58	58	70
			Wire rope max. L		830	855	870	910	1376
			Rail gage R		1150	1150	1200	1300	1800
			Wheel base W		800	865	920	1000	1500
Rail (kg/m)			15 kg/m	15 kg/m	22 kg/m	22 kg/m	30 kg/m		
Weight (kg)			1037	1399	2024	2626	3515		



Low-head type normal wire hoist



Capacity (TON)		1	2	2.8	3	5
Hoist Model name (Hoisting speed - Traversing speed)	High - High	NL1-H6(12)-MH	NL2-H6(12)-MH	NL2.8-H6(12)-MH	NL3-H6(12)-MH	NL5-H6(12)-MH
	High - Low	NL1-H6(12)-ML	NL2-H6(12)-ML	NL2.8-H6(12)-ML	NL3-H6(12)-ML	NL5-H6(12)-ML
	Low - High	NL1-L6(12)-MH	NL2-L6(12)-MH	NL2.8-L6(12)-MH	NL3-L6(12)-MH	NL5-L6(12)-MH
	Low - Low	NL1-L6(12)-ML	NL2-L6(12)-ML	NL2.8-L6(12)-ML	NL3-L6(12)-ML	NL5-L6(12)-ML
Hoist	Lift (m)	6 (12)	6 (12)	6 (12)	6 (12)	6 (12)
	Hoisting speed (m/min)	High speed (60/50Hz)	12 / 10	10 / 8	9.0 / 7.5	9.0 / 7.5
		Low speed (60/50Hz)	6 / 5	5 / 4	4.5 / 3.7	4.5 / 3.7
	Hoisting motor (kw × P)	High speed (60/50Hz)	2.2/1.8kw × 4P	3.7/3.1kw × 4P	4.8/4.0kw × 4P	5.5/4.6kw × 4P
		Low speed (60/50Hz)	1.1/0.92kw × 8P	1.8/1.5kw × 8P	2.5/2.1kw × 8P	2.8/2.3kw × 8P
	Wire rope	Construction	6 × 19	6 × 19	6 × 37	6 × 37
		Dia.(mm) × no.of ropes	Ø6 × 4 Fall	Ø8 × 4 Fall	Ø9 × 4 Fall	Ø9 × 4 Fall
Trolley	Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE			
	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13
	Traversing motor (kw × P)	High speed (60/50Hz)	0.75/0.63kw × 4P	0.75/0.63kw × 4P	0.75/0.63kw × 4P	0.75/0.63kw × 4P
		Low speed (60/50Hz)	0.5/0.42kw × 6P	0.5/0.42kw × 6P	0.5/0.42kw × 6P	0.5/0.42kw × 6P
	Traversing Brake		D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)	A	min.	475	565	620	620
		High speed	540 (740)	560 (715)	585 (740)	585 (740)
		Low speed	550 (750)	570 (725)	585 (740)	585 (740)
	B		505 (705)	595 (750)	625 (780)	625 (780)
	C		405	435	510	510
	D		300	400	395	395
	G		195	195	230	230
	H		270	270	320	320
I-beam and spacing (mm)	a × b × t		S T U	S T U	S T U	S T U
	200 × 100 × t7/10		39 46 157	39 46 157	— — —	— — —
	250 × 125 × t7.5/12.5		37 71 159	37 71 159	33 60 170	33 60 170
	300 × 150 × 10/18.5		32 96 164	32 96 164	28 85 175	28 85 175
	450 × 175 × t13/26		— — —	— — —	— — —	30 101 225
Min. radius of curvature (mm)		1500	1500	1800	1800	2300
Weight (kg)		280 (322)	366 (411)	509 (553)	509 (553)	738 (851)



1. 미속 Hoist

Inching없이 정위치에 운반물을 옮길 수 있으며, 일반 작업 시에는 고속으로, 정밀한 작업시에는 미속으로 작업할 수 있으므로 작업능률을 향상시킬 수 있습니다.

2. 2단 Push button switch

2단 Push button switch를 사용하여 살짝 누르면 미속으로, 세게 누르면 고속으로 작동하므로 잘못 조작시의 위험이 없고 안전합니다.

3. 안전한 하역

원하는 위치를 벗어나서 운반물에 충격을 주거나 손상시키지 않으므로 정밀가공품이라도 손상되는 일이 없습니다.

1. Creep Hoisting speed

It can carry the goods conveyed on the proper spot without inching. For normal operating it moves fast and for minute operating it moves in creep speed.

2. 2Touch P.B. Switch

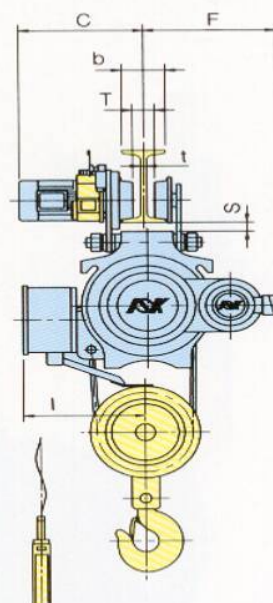
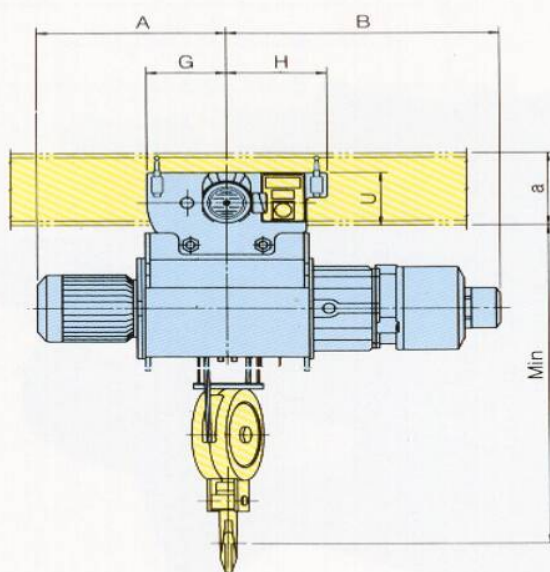
First and light push makes the hoist move in creep speed. Deep push makes the high speed.

3. Safe Loading

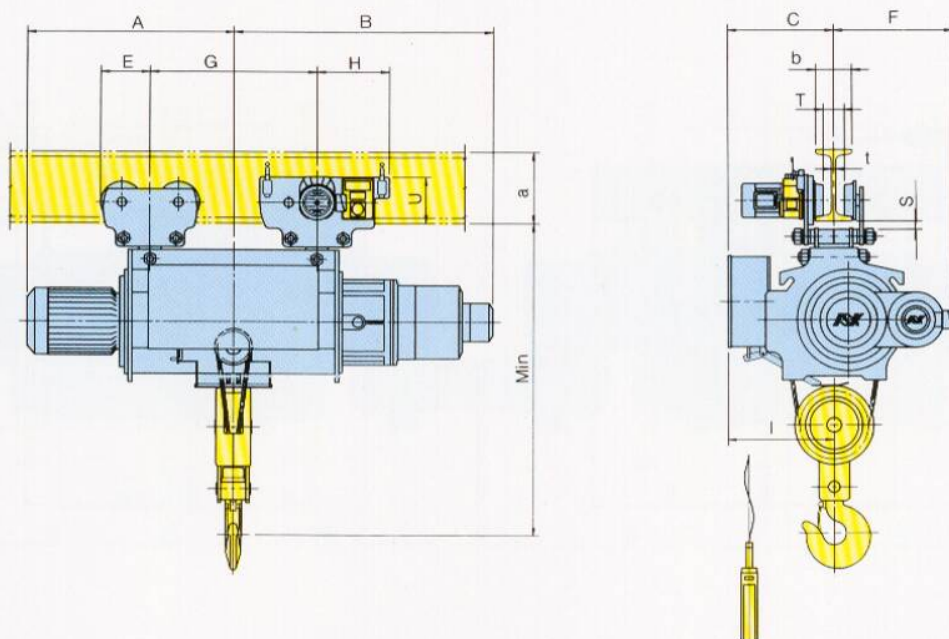
It never carries the goods out of the proper position and never makes the collision to the goods.



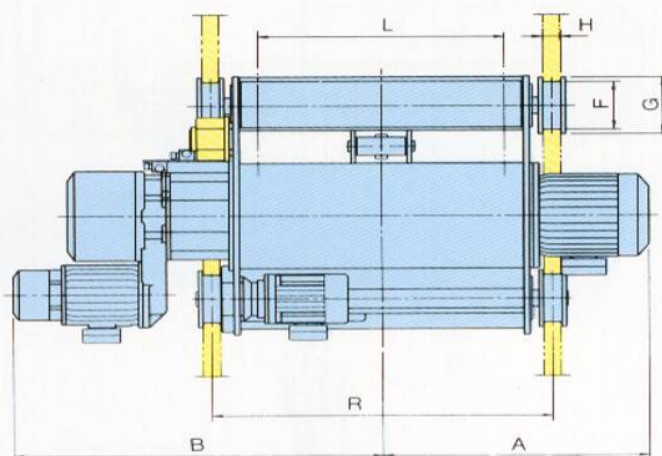
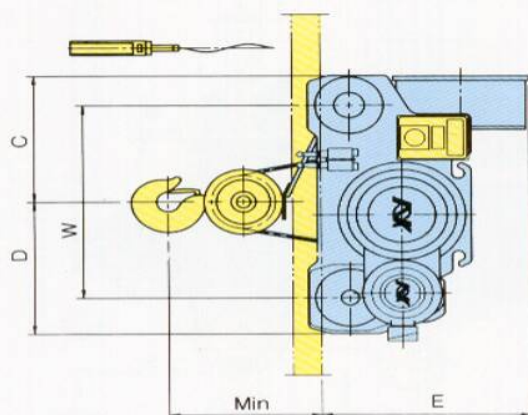
Electric trolley type creep wire hoist



Capacity (TON)			1				2				2.8				3				5				
Hoist Model name		High speed traversing	CN1-H6(12)-MH				CN2-H6(12)-MH				CN2.8-H6(12)-MH				CN3-H6(12)-MH				CN5-H6(12)-MH				
		Low speed traversing	CN1-H6(12)-ML				CN2-H6(12)-ML				CN2.8-H6(12)-ML				CN3-H6(12)-ML				CN5-H6(12)-ML				
Hoist	Lift (m)		6 (12)				6 (12)				6 (12)				6 (12)				6 (12)				
	Hoisting speed (m/min) High / Creep speed	60 Hz	12 / 1.2				10 / 1.0				9.0 / 0.9				9.0 / 0.9				5.6 / 0.56				
		50 Hz	10 / 1.0				8 / 0.8				7.5 / 0.75				7.5 / 0.75				4.7 / 0.47				
	Hoisting motor (kw×P) High / Creep speed	60 Hz	2.2/0.4kw×4P				3.7/0.75kw×4P				4.8/1.1kw×4P				5.5/1.1kw×4P				5.5/1.0kw×6P				
		50 Hz	1.8/0.33kw×4P				3.1/0.63kw×4P				4.0/0.92kw×4P				4.6/0.92kw×4P				4.6/0.83kw×6P				
	Wire rope	Construction	6 × 19				6 × 37				6 × 37				6 × 37				6 × 37				
		Dia.(mm)×no.of ropes	Ø8 × 2 Fall				Ø10 × 2 Fall				Ø12.5 × 2 Fall				Ø12.5 × 2 Fall				Ø16 × 2 Fall				
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE																				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20				24 / 20				24 / 20				24 / 20				24 / 20				
		Low speed (60/50Hz)	16 / 13				16 / 13				16 / 13				16 / 13				16 / 13				
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P				
		Low speed (60/50Hz)	0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P				
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE																			
Dimensions(approx.) (mm)		min.	815				980				1115				1115				1325				
		A	440 (540)				440 (540)				485 (585)				485 (585)				565 (655)				
		B	645 (745)				690 (790)				770 (870)				770 (870)				850 (940)				
		F	392.5				424.5				441.5				441.5				461.5				
		G	195				195				230				230				275				
		H	265				265				320				320				325				
		I	284				338				377				377				420				
I-beam and spacing (mm)		a × b × t	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	
		200×100×t7/10	390	39	46	156	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		250×125×t7.5/12.5	403	37	71	158	403	37	71	159	415	33	60	170	415	33	60	170	418	42	51	213	
		300×150×10/18.5	415	32	96	163	415	32	96	164	427	28	85	175	427	28	85	175	430	37	76	218	
		450×175×t13/26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	443	30	101	225
Min. radius of curvature (mm)			1500				1500				1800				1800				2300				
Weight (kg)			299 (324)				363 (391)				515 (559)				515 (559)				750 (813)				



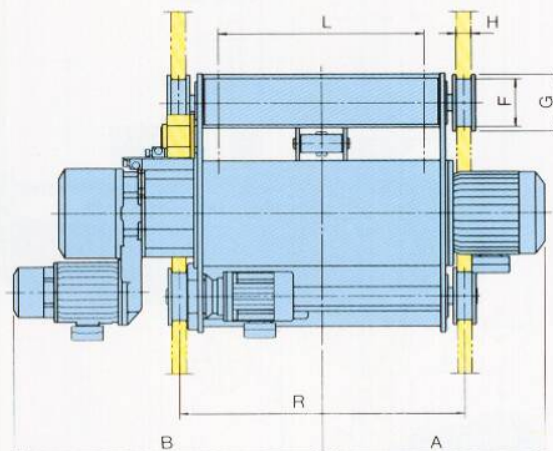
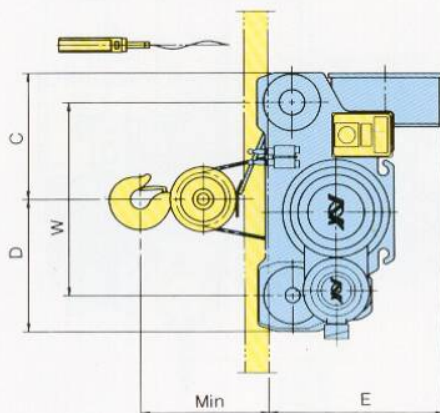
Capacity (TON)			7.5				10				15				20				
Hoist Model name		High speed traversing	CN7.5-H12-MH				CN10-H12-MH				CN15-H12-MH				CN20-H12-MH				
		Low speed traversing	CN7.5-H12-ML				CN10-H12-ML				CN15-H12-ML				CN20-H12-ML				
Hoist	Lift (m)		12				12				12				12				
	Hoisting speed (m/min) High / Creep speed	60 Hz	3.8 / 0.38				4.5 / 0.45				4.5 / 0.45				4.2 / 0.42				
		50 Hz	3.2 / 0.32				3.7 / 0.37				3.7 / 0.37				3.4 / 0.34				
	Hoisting motor (kw×P) High / Creep speed	60 Hz	5.5/1.0kw×6P				9.0/1.1kw×8P				13.0/1.8kw×8P				17.0/1.8kw×8P				
		50 Hz	4.6/0.83kw×6P				7.5/0.92kw×8P				10.8/1.5kw×8P				14.2/1.5kw×8P				
	Wire rope	Construction		6 × 37				6 × 37				6 × 37				6 × 37			
		Dia.(mm)×no.of ropes		Ø14 × 4 Fall				Ø16 × 4 Fall				Ø20 × 4 Fall				Ø22.4 × 4 Fall			
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE																
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	18 / 15				18 / 15				16 / 13				16 / 13				
		Low speed (60/50Hz)	12 / 10				12 / 10				11 / 9				11 / 9				
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P				0.75/0.63kw×4P				1.5/1.3kw×4P				1.5/1.3kw×4P				
		Low speed (60/50Hz)	0.5/0.42kw×6P				0.5/0.42kw×6P				1.0/0.83kw×6P				1.0/0.83kw×6P				
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE															
Dimensions (approx.) (mm)		min.	1460				1520				1875				2100				
		A	885				990				1055				1145				
		B	1175				1245				1380				1480				
		F	506				578				633				656				
		E	230				230				252				252				
		G	800				800				800				850				
		H	325				325				345				345				
		I	447				510				600				610				
I-beam and spacing (mm)		a × b × t	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	
		300×150×t10/18.5	430	42	76	218	510	42	76	218	—	—	—	—	—	—	—	—	
		450×175×t13/26	443	35	101	225	510	35	101	225	600	30	71	240	610	30	71	250	
		600×190×t13/25	450	36	116	224	510	36	116	224	600	32	86	248	610	32	86	248	
Min. radius of curvature (mm)			∞				∞				∞				∞				
Weight (kg)			1220				1497				2337				2913				



Capacity (TON)			2	2.8	3	5
Hoist Model name		High speed traversing	CD2-H12-MH	CD2.8-H12-MH	CD3-H12-MH	CD5-H12-MH
		Low speed traversing	CD2-H12-ML	CD2.8-H12-ML	CD3-H12-ML	CD5-H12-ML
Hoist	Lift (m)		12	12	12	12
	Hoisting speed (m/min) High / Creep speed	60 Hz	10 / 1.0	9.0 / 0.9	9.0 / 0.9	5.6 / 0.56
		50 Hz	8 / 0.8	7.5 / 0.75	7.5 / 0.75	4.7 / 0.47
	Hoisting motor (kw×P) High / Creep speed	60 Hz	3.7/0.75kw×4P	4.8/1.1kw×4P	5.5/1.1kw×4P	5.5/1.0kw×6P
		50 Hz	3.1/0.63kw×4P	4.0/0.92kw×4P	4.6/0.92kw×4P	4.6/0.83kw×6P
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø8 × 4 Fall	Ø9 × 4 Fall	Ø9 × 4 Fall	Ø12.5 × 4 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE		
Dimensions(approx.) (mm)		min.	415	425	425	505
		A	715	740	740	885
		B	960	1025	1025	1170
		C	425	425	425	480
		D	445	475	475	500
		E	500	580	580	580
		F	160	160	160	160
		G	190	190	190	190
		H	47	47	47	47
		Wire rope max. L	710	685	685	790
		Rail gage R	950	950	950	1150
Wheel base W		650	650	650	760	
Rail (kg/m)			15 kg/m	15 kg/m	15 kg/m	15 kg/m
Weight (kg)			594	714	714	1024



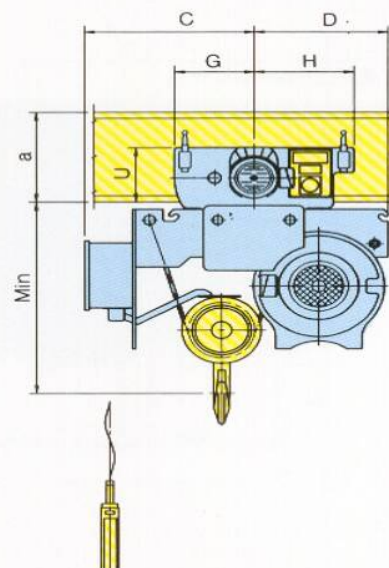
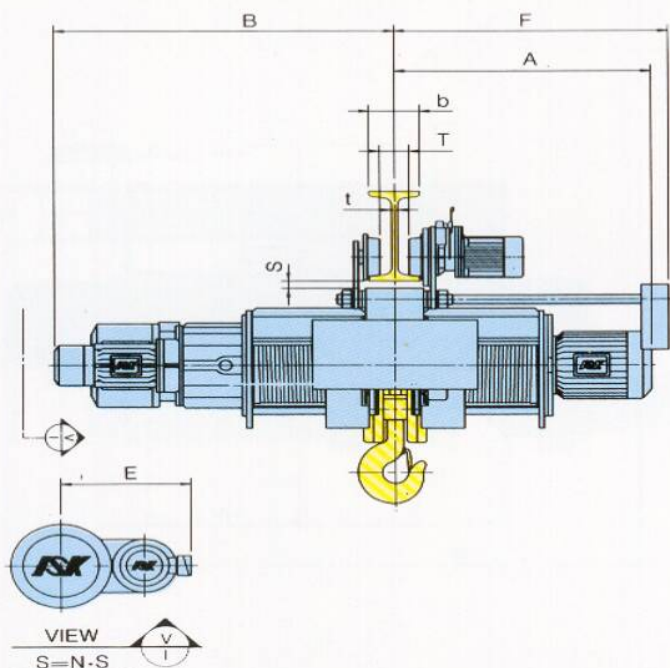
Double type creep wire hoist



Capacity (TON)			7.5	10	15	20	30
Hoist Model name		High speed traversing	CD7.5-H12-MH	CD10-H12-MH	CD15-H12-MH	CD20-H12-MH	CD30-H12-MH
		Low speed traversing	CD7.5-H12-ML	CD10-H12-ML	CD15-H12-ML	CD20-H12-ML	CD30-H12-ML
Hoist	Lift (m)		12	12	12	12	12
	Hoisting speed (m/min) High / Creep speed	60 Hz	3.8 / 0.38	4.5 / 0.45	4.5 / 0.45	4.2 / 0.42	2.8 / 0.28
		50 Hz	3.2 / 0.32	3.7 / 0.37	3.7 / 0.37	3.4 / 0.34	2.3 / 0.23
	Hoisting motor (kw×P) High / Creep speed	60 Hz	5.5/1.0kw×6P	9.0/1.1kw×8P	13.0/1.8kw×8P	17.0/1.8kw×8P	17.0/1.8kw×8P
		50 Hz	4.6/0.83kw×6P	7.5/0.92kw×8P	10.8/1.5kw×8P	14.2/1.5kw×8P	14.2/1.5kw×8P
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	6 × 37
Dia.(mm)×no.of ropes		Ø14 × 4 Fall	Ø16 × 4 Fall	Ø20 × 4 Fall	Ø22.4 × 4 Fall	Ø22.4 × 6 Fall	
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	16 / 13
		Low speed (60/50Hz)	11 / 9	11 / 9	11 / 9	11 / 9	11 / 9
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P×2
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P×2
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.	760	775	985	1150	1400
		A	885	990	1055	1145	1395
		B	1175	1245	1380	1480	1730
		C	500	543	600	700	900
		D	520	567	595	650	915
		E	640	690	838	895	900
		F	160	180	180	220	250
		G	190	210	210	250	280
		H	47	58	58	58	70
		Wire rope max. L	830	855	870	910	1376
		Rail gage R	1150	1150	1200	1300	1800
Wheel base W	800	865	920	1000	1500		
Rail (kg/m)			15 kg/m	15 kg/m	22 kg/m	22 kg/m	30 kg/m
Weight (kg)			1155	1550	2244	2903	3792



Low-head type creep wire hoist



Capacity (TON)			1			2			2.8			3			5			
Hoist Model name		High speed traversing	CL1-H6(12)-MH			CL2-H6(12)-MH			CL2.8-H6(12)-MH			CL3-H6(12)-MH			CL5-H6(12)-MH			
		Low speed traversing	CL1-H6(12)-ML			CL2-H6(12)-ML			CL2.8-H6(12)-ML			CL3-H6(12)-ML			CL5-H6(12)-ML			
Hoist	Lift (m)		6 (12)			6 (12)			6 (12)			6 (12)			6 (12)			
	Hoisting speed (m/min) High / Creep speed		60 Hz	12 / 1.2			10 / 1.0			9.0 / 0.9			9.0 / 0.9			5.6 / 0.56		
			50 Hz	10 / 1.0			8 / 0.8			7.5 / 0.75			7.5 / 0.75			4.7 / 0.47		
	Hoisting motor (kw×P) High / Creep speed		60 Hz	2.2/0.4kw×4P			3.7/0.75kw×4P			4.8/1.1kw×4P			5.5/1.1kw×4P			5.5/1.0kw×6P		
			50 Hz	1.8/0.33kw×4P			3.1/0.63kw×4P			4.0/0.92kw×4P			4.6/0.92kw×4P			4.6/0.83kw×6P		
	Wire rope		Construction		6 × 19			6 × 19			6 × 37			6 × 37			6 × 37	
Dia.(mm)×no.of ropes			Ø6 × 4 Fall			Ø8 × 4 Fall			Ø9 × 4 Fall			Ø9 × 4 Fall			Ø12.5 × 4 Fall			
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE															
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20			24 / 20			24 / 20			24 / 20			24 / 20			
		Low speed (60/50Hz)	16 / 13			16 / 13			16 / 13			16 / 13			16 / 13			
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P			0.75/0.63kw×4P			0.75/0.63kw×4P			0.75/0.63kw×4P			0.75/0.63kw×4P			
		Low speed (60/50Hz)	0.5/0.42kw×6P			0.5/0.42kw×6P			0.5/0.42kw×6P			0.5/0.42kw×6P			0.5/0.42kw×6P			
Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE															
Dimensions(approx.) (mm)		min.	475			565			620			620			800			
		A	540 (740)			560 (715)			585 (740)			585 (740)			655 (885)			
		B	745 (945)			810 (960)			870 (1025)			870 (1025)			940 (1170)			
		C	405			435			510			510			585			
		D	300			400			395			395			465			
		E	375			405			430			430			450			
		F	575 (775)			670 (825)			750 (750)			750 (750)			750 (920)			
		G	195			195			230			230			275			
I-beam and spacing (mm)		H	270			270			320			320			325			
		a × b × t	S	T	U	S	T	U	S	T	U	S	T	U	S	T	U	
		200×100×t7/10	39	46	157	39	46	157	—	—	—	—	—	—	—	—	—	
		250×125×t7.5/12.5	37	71	159	37	71	159	33	60	170	33	60	170	42	51	213	
		300×150×10/18.5	32	96	164	32	96	164	28	85	175	28	85	175	37	76	218	
		450×175×t13/26	—	—	—	—	—	—	—	—	—	—	—	30	101	225		
Min. radius of curvature (mm)			1500			1500			1800			1800			2300			
Weight (kg)			377(479)			489(535)			644 (710)			644 (710)			961 (1077)			

ASK High lift type wire hoist

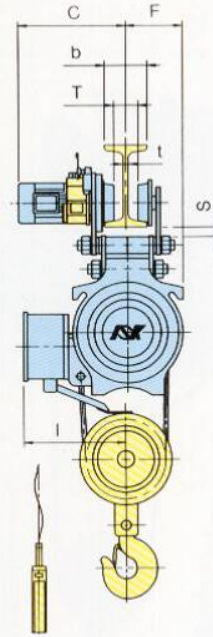
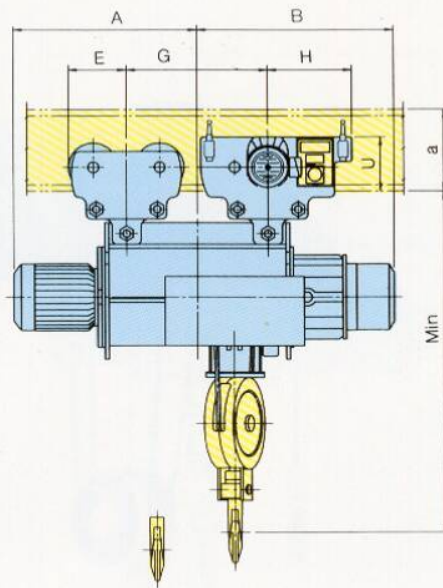


Normal type과 Creep type hoist의 고양정형으로 기본양정 이상의 고양정 작업 및 지하층 작업시 편리하게 사용할 수 있습니다.

(High lift type hoist of the normal and creep type can lift beyond the normal range easily.)



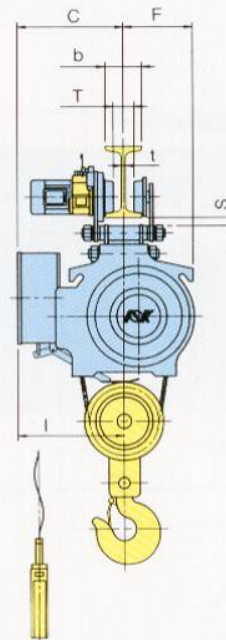
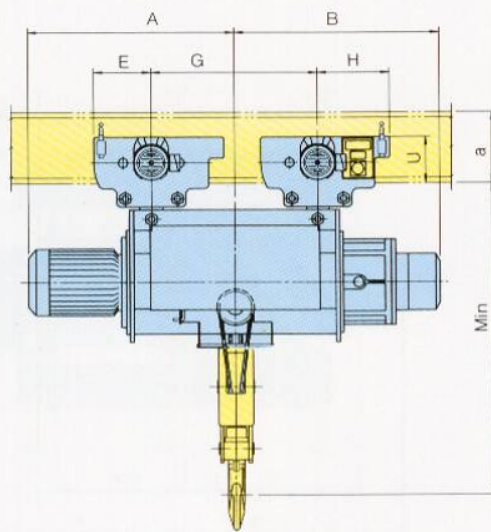
Electric trolley type normal wire hoist



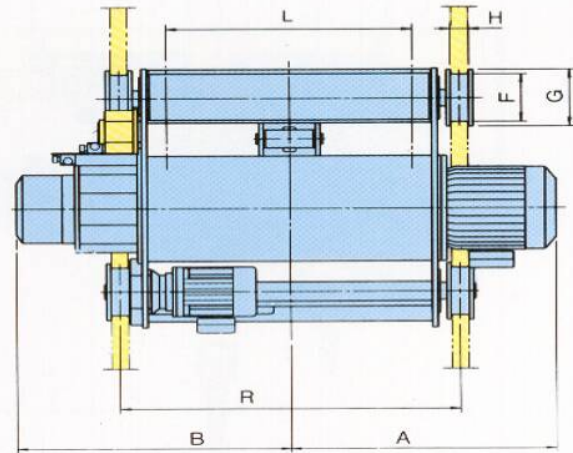
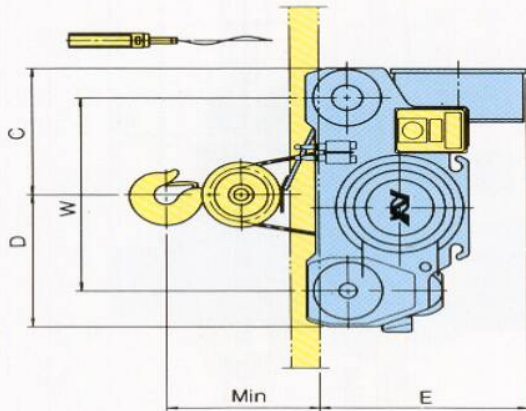
Capacity (TON)			1				2				2.8				3				5							
Hoist Model name (Hoisting speed - Traversing speed)			High - High		NN1-H18(24)-MH				NN2-H18(24)-MH				NN2.8-H18(24)-MH				NN3-H18(24)-MH				NN5-H18(24)-MH					
			High - Low		NN1-H18(24)-ML				NN2-H18(24)-ML				NN2.8-H18(24)-ML				NN3-H18(24)-ML				NN5-H18(24)-ML					
			Low - High		NN1-L18(24)-MH				NN2-L18(24)-MH				NN2.8-L18(24)-MH				NN3-L18(24)-MH				NN5-L18(24)-MH					
			Low - Low		NN1-L18(24)-ML				NN2-L18(24)-ML				NN2.8-L18(24)-ML				NN3-L18(24)-ML				NN5-L18(24)-ML					
Hoist	Lift (m)		18 (24)				18 (24)				18 (24)				18 (24)				18 (24)							
	Hoisting speed (m/min)	High speed (60/50Hz)	12 / 10				10 / 8				9.0 / 7.5				9.0 / 7.5				5.6 / 4.7							
		Low speed (60/50Hz)	6 / 5				5 / 4				4.5 / 3.7				4.5 / 3.7				4.2 / 3.5							
	Hoisting motor (kw×P)	High speed (60/50Hz)	2.2/1.8kw×4P				3.7/3.1kw×4P				4.8/4.0kw×4P				5.5/4.6kw×4P				5.5/4.6kw×6P							
		Low speed (60/50Hz)	1.1/0.92kw×8P				1.8/1.5kw×8P				2.5/2.1kw×8P				2.8/2.3kw×8P				4.2/3.5kw×8P							
	Wire rope	Construction	6 × 19				6 × 37				6 × 37				6 × 37				6 × 37							
		Dia.(mm)×no.of ropes	Ø8 × 2 Fall				Ø10 × 2 Fall				Ø12.5 × 2 Fall				Ø12.5 × 2 Fall				Ø16 × 2 Fall							
	Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE																						
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20				24 / 20				24 / 20				24 / 20				24 / 20							
		Low speed (60/50Hz)	16 / 13				16 / 13				16 / 13				16 / 13				16 / 13							
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P				0.75/0.63kw×4P×1(2)							
		Low speed (60/50Hz)	0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P				0.5/0.42kw×6P×1(2)							
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE																						
Dimensions(approx.) (mm)			min.		900				1080				1195				1195				1420					
					A	High speed	640 (740)				620 (715)				690 (790)				690 (790)				755 (860)			
						Low speed	650 (750)				630 (725)				690 (790)				690 (790)				755 (860)			
			B		605 (705)				655 (750)				730 (830)				730 (830)				810 (915)					
			F		169				191.5				209				209				234					
			E		175				175				200				200				231					
			G		475 (675)				460 (640)				500 (700)				500 (700)				580 (700)					
			H		265				265				320				320				325					
I-beam and spacing (mm)			I		284				338				377				377				420					
			a × b × t		C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U		
			200 × 100 × t7/10		390	39	46	157	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
			250 × 125 × t7.5/12.5		403	37	71	159	403	37	71	159	416	35	76	170	416	35	76	170	—	—	—	—	—	
			300 × 150 × t10/18.5		415	32	96	164	415	32	96	164	428	30	101	175	428	30	101	175	430	42	75	218	—	
450 × 175 × t13/26			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	442	30	100	225	—			
Min. radius of curvature (mm)			∞				∞				∞				∞				∞							
Weight (kg)			317 (342)				379 (406)				585 (632)				585 (632)				867 (988)							



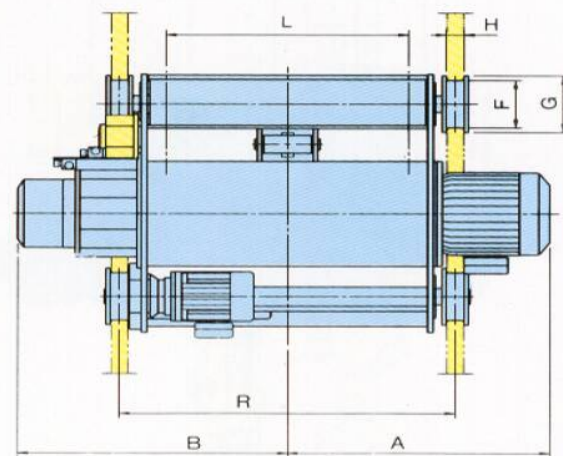
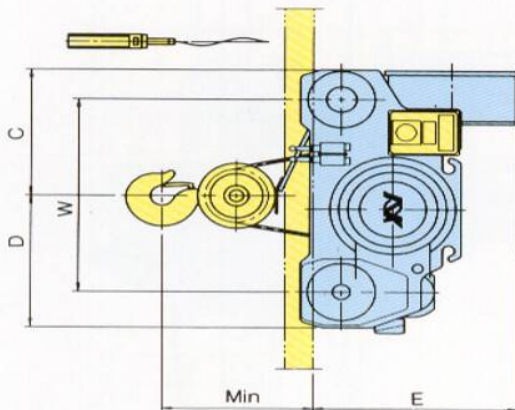
Electric trolley type normal hoist



Capacity (TON)			7.5				10				15				20				
Hoist Model name (Hoisting speed - Traversing speed)		High - High	NN7.5-H18(24)-MH				NN10-H18(24)-MH				NN15-H18(24)-MH				NN20-H18(24)-MH				
		High - Low	NN7.5-H18(24)-ML				NN10-H18(24)-ML				NN15-H18(24)-ML				NN20-H18(24)-ML				
		Low - High	NN7.5-L18(24)-MH				NN10-M18(24)-MH				NN15-M18(24)-MH				NN20-M18(24)-MH				
		Low - Low	NN7.5-L18(24)-ML				NN10-L18(24)-ML				NN15-L18(24)-ML				NN20-L18(24)-ML				
Hoist	Lift (m)		18 (24)				18 (24)				18 (24)				18 (24)				
	Hoisting speed (m/min)	High speed (60/50Hz)	3.8 / 3.2				4.5 / 3.7				4.5 / 3.7				4.2 / 3.4				
		Low speed (60/50Hz)	2.8 / 2.3				3.0 / 2.5				3.0 / 2.5				2.8 / 2.3				
	Hoisting motor (kw×P)	High speed (60/50Hz)	5.5/4.6kw × 6P				9.0/7.5kw × 8P				13.0/10.8kw × 8P				17.0/14.2kw × 8P				
		Low speed (60/50Hz)	4.2/3.2kw × 8P				6.0/5.0kw × 12P				8.5/7.1kw × 12P				11.5/9.6kw × 12P				
	Wire rope	Construction	6 × 37				6 × 37				6 × 37				6 × 37				
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall				Ø16 × 4 Fall				Ø20 × 4 Fall				Ø22.4 × 4 Fall				
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE																
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	18 / 15				18 / 15				16 / 13				16 / 13				
		Low speed (60/50Hz)	12 / 10				12 / 10				11 / 9				11 / 9				
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P×2				0.75/0.63kw×4P×2				1.5/1.3kw×4P×2				1.5/1.3kw×4P×2				
		Low speed (60/50Hz)	0.5/0.42kw×6P×2				0.5/0.42kw×6P×2				1.0/0.83kw×6P×2				1.0/0.83kw×6P×2				
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE															
Dimensions(approx.) (mm)		min.	1460				1520				1875				2100				
		A	High speed	1135 (1310)				1240 (1415)				1280 (1455)				1395 (1595)			
			Low speed	1135 (1310)				1240 (1415)				1240 (1415)				1345 (1545)			
		B	1190 (1365)				1235 (1410)				1335 (1510)				1420 (1620)				
		F	305				334				390				420				
		E	275				275				295				295				
		G	1300 (1650)				1300 (1650)				1250 (1600)				1350 (1750)				
I-beam and spacing (mm)	H	325				325				345				345					
	I	447				510				600				610					
	a × b × t	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U		
	300×150×t10/18.5	430	42	76	218	510	42	76	218	—	—	—	—	—	—	—	—		
450×175×t13/26	443	35	101	225	510	35	101	225	600	30	71	250	610	30	71	250			
600×190×t13/25	450	36	116	224	510	36	116	224	600	32	86	248	610	32	86	248			
Min. radius of curvature (mm)			∞				∞				∞				∞				
Weight (kg)			1278 (1382)				1651 (1799)				2408 (2582)				2941 (3191)				



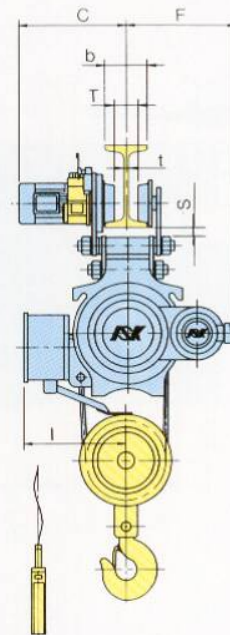
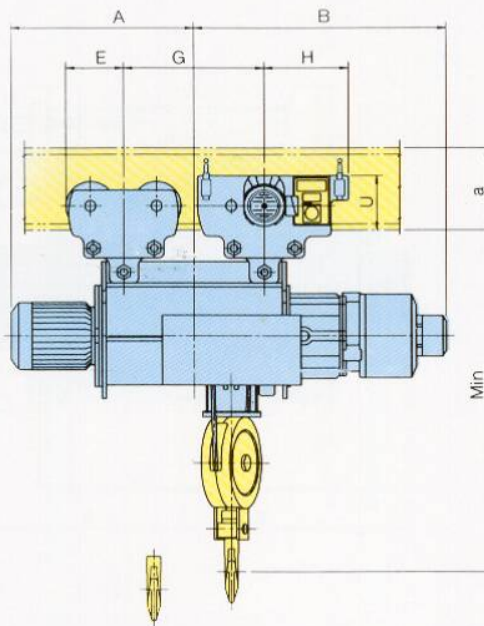
Capacity (TON)			2	2.8	3	5	
Hoist Model name (Hoisting speed - Traversing speed)		High - High	ND2-H18(24)-MH	ND2.8-H18(24)-MH	ND3-H18(24)-MH	ND5-H18(24)-MH	
		High - Low	ND2-H18(24)-ML	ND2.8-H18(24)-ML	ND3-H18(24)-ML	ND5-H18(24)-ML	
		Low - High	ND2-L18(24)-MH	ND2.8-L18(24)-MH	ND3-L18(24)-MH	ND5-L18(24)-MH	
		Low - Low	ND2-L18(24)-ML	ND2.8-L18(24)-ML	ND3-L18(24)-ML	ND5-L18(24)-ML	
Hoist	Lift (m)		18 (24)	18 (24)	18 (24)	18 (24)	
	Hoisting speed (m/min)	High speed (60/50Hz)	10 / 8	9.0 / 7.5	9.0 / 7.5	5.6 / 4.7	
		Low speed (60/50Hz)	5 / 4	4.5 / 3.7	4.5 / 3.7	4.2 / 3.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	3.7/3.1kw×4P	4.8/4.0kw×4P	5.5/4.6kw×4P	5.5/4.6kw×6P	
		Low speed (60/50Hz)	1.8/1.5kw×8P	2.5/2.1kw×8P	2.8/2.3kw×8P	4.2/3.5kw×8P	
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø8 × 4 Fall	Ø9 ×4 Fall	Ø9 × 4 Fall	Ø12.5 × 4 Fall	
	Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20	
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	
	Traversing Brake		D.C MAGNET DISC BRAKE "B" TYPE				
Dimensions(approx.) (mm)		min.		415	425	425	505
		A	High speed	865 (1015)	890 (1040)	890 (1040)	1135 (1310)
			Low speed	875 (1025)	890 (1040)	890 (1040)	1135 (1310)
		B		900 (1050)	930 (1080)	930 (1080)	1190 (1365)
		C		425	425	425	480
		D		445	445	445	500
		E		500	580	580	580
		F		160	160	160	160
		G		190	190	190	190
		H		47	47	47	47
		Wire rope max. L		1020 (1340)	980 (1260)	980 (1260)	1150 (1485)
Rail gage R		1250 (1550)	1250 (1550)	1250 (1550)	1650 (2000)		
Wheel base W		650	650	650	760		
Rail (kg/m)			15 kg/m	15 kg/m	15 kg/m	15 kg/m	
Weight (kg)			563 (621)	719 (797)	719 (797)	1085 (1205)	



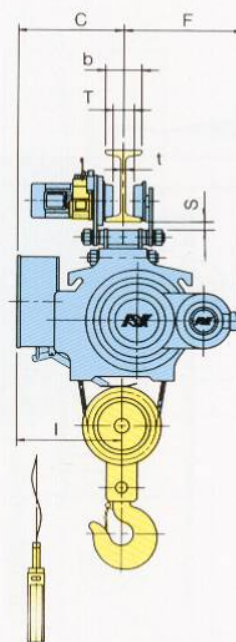
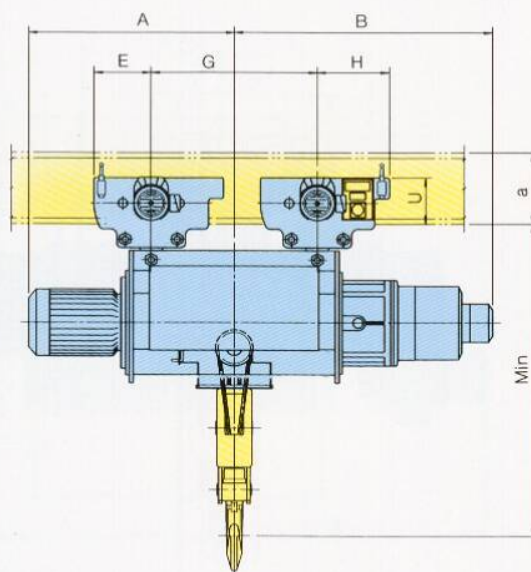
Capacity (TON)			7.5	10	15	20	30	
Hoist Model name (Hoisting speed - Traversing speed)	High - High		ND7.5-H18(24)-MH	ND10-H18(24)-MH	ND15-H18(24)-MH	ND20-H18(24)-MH	ND30-H18 -MH	
	High - Low		ND7.5-H18(24)-ML	ND10-H18(24)-ML	ND15-H18(24)-ML	ND20-H18(24)-ML	ND30-H18 -ML	
	Low - High		ND7.5-L18(24))-MH	ND10- L 18(24)-MH	ND15- L 18(24)-MH	ND20- L 18(24)-MH	ND30- L 18 -MH	
	Low - Low		ND7.5-L18(24)-ML	ND10-L18(24)-ML	ND15-L18(24)-ML	ND20-L18(24)-ML	ND30-L18 -ML	
Hoist	Lift (m)		18 (24)	18 (24)	18 (24)	18 (24)	18	
	Hoisting speed (m/min)	High speed (60/50Hz)	3.8 / 3.2	4.5 / 3.7	4.5 / 3.7	4.2 / 3.4	2.8 / 2.3	
		Low speed (60/50Hz)	2.8 / 2.3	3.0 / 2.5	3.0 / 2.5	2.8 / 2.3	1.8 / 1.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	5.5/4.6kw×6P	9.0/7.5kw×8P	13.0/10.8kw×8P	17.0/14.2kw×8P	17.0/14.2kw ×8P	
		Low speed (60/50Hz)	4.2/3.2kw×8P	6.0/5.0kw×12P	8.5/7.1kw×12P	11.5/9.6kw×12P	11.5/9.6kw ×12P	
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall	Ø16 × 4 Fall	Ø20 × 4 Fall	Ø22.4 × 4 Fall	Ø22.4 × 6 Fall	
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE					
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	16 / 13	
		Low speed (60/50Hz)	11 / 9	11 / 9	11 / 9	11 / 9	11 / 9	
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P×2	
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P×2	
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Dimensions(approx.) (mm)		min.	760	775	985	1150	1400	
		A	High speed	1135 (1310)	1240 (1415)	1280 (1455)	1395 (1595)	1745
			Low speed	1135 (1310)	1240 (1415)	1240 (1415)	1345 (1545)	1695
		B	1190 (1365)	1235 (1410)	1305 (1480)	1420 (1620)	1770	
		C	500	543	600	630	900	
		D	520	567	595	650	915	
		E	640	690	838	895	900	
		F	160	180	180	220	250	
		G	190	210	210	250	280	
		H	47	58	58	58	70	
		Wire rope max. L	1195 (1580)	1230 (1622)	1295 (1710)	1325 (1745)	2026	
		Rail gage R	1650 (2000)	1650 (2000)	1650 (2000)	1800 (2200)	2500	
Wheel base W	800	865	920	1000	1500			
Rail (kg/m)			15 kg/m	15 kg/m	22 kg/m	22 kg/m	30 kg/m	
Weight (kg)			1131 (1328)	1682 (1849)	2285 (2526)	3011 (3321)	4084	



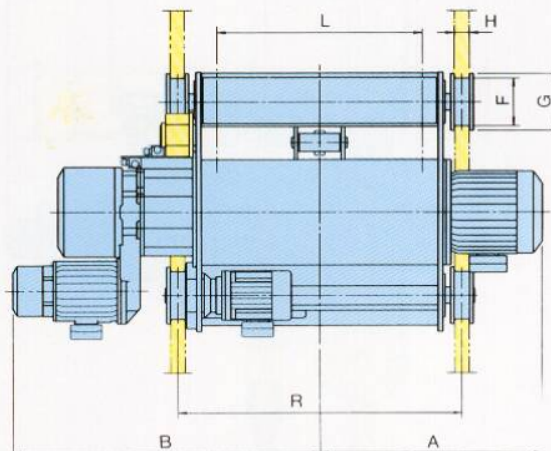
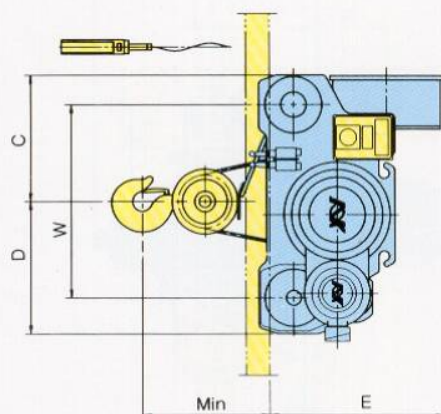
Electric trolley type creep wire hoist



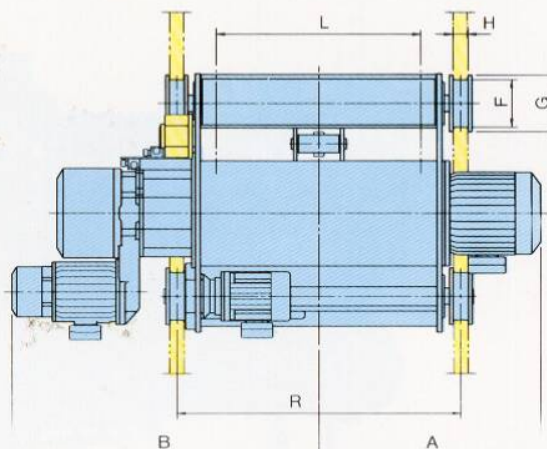
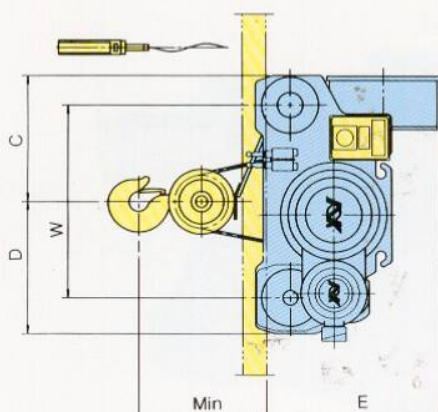
Capacity (TON)			1		2		2.8		3		5													
Hoist Model name			High speed traversing		CN1-H18(24)-MH		CN2-H18(24)-MH		CN2.8-H18(24)-MH		CN3-H18(24)-MH		CN5-H18(24)-MH											
			Low speed traversing		CN1-H18(24)-ML		CN2-H18(24)-ML		CN2.8-H18(24)-ML		CN3-H18(24)-ML		CN5-H18(24)-ML											
Hoist	Lift (m)		18 (24)		18 (24)		18 (24)		18 (24)		18 (24)													
	Hoisting speed (m/min) High / Creep speed		60 Hz		12 / 1.2		10 / 1.0		9.0 / 0.9		9.0 / 0.9		5.6 / 0.56											
			50 Hz		10 / 1.0		8 / 0.8		7.5 / 0.75		7.5 / 0.75		4.7 / 0.47											
	Hoisting motor (kw×P) High / Creep speed		60 Hz		2.2/0.4kw×4P		3.7/0.75kw×4P		4.8/1.1kw×4P		5.5/1.1kw×4P		5.5/1.0kw×6P											
			50 Hz		1.8/0.33kw×4P		3.1/0.63kw×4P		4.0/0.92kw×4P		4.6/0.92kw×4P		4.6/0.83kw×6P											
	Wire rope		Construction		6 × 19		6 × 37		6 × 37		6 × 37		6 × 37											
Dia.(mm)×no.of ropes			Ø8 × 2 Fall		Ø10 × 2 Fall		Ø12.5 × 2 Fall		Ø12.5 × 2 Fall		Ø16 × 2 Fall													
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE																					
Trolley	Traversing speed (m/min)		High speed(60/50Hz)		24 / 20		24 / 20		24 / 20		24 / 20		24 / 20											
			Low speed(60/50Hz)		16 / 13		16 / 13		16 / 13		16 / 13		16 / 13											
	Traversing motor (kw×P)		High speed(60/50Hz)		0.75/0.63kw×4P		0.75/0.63kw×4P		0.75/0.63kw×4P		0.75/0.63kw×4P		0.75/0.63kw×4P×1(2)											
			Low speed(60/50Hz)		0.5/0.42kw×6P		0.5/0.42kw×6P		0.5/0.42kw×6P		0.5/0.42kw×6P		0.5/0.42kw×6P×1(2)											
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE																				
Dimensions(approx.) (mm)			min.		900		1080		1195		1195		1420											
			A		640 (740)		620 (715)		690 (790)		690 (790)		755 (860)											
			B		845 (945)		870 (965)		975 (1075)		975 (1075)		1040 (1145)											
			F		392.5		424.5		446		446		457											
			E		175		175		200		200		231											
			G		475 (675)		460 (640)		500 (700)		500 (700)		580 (700)											
			H		265		265		320		320		325											
			I		284		338		377		377		420											
I-beam and spacing (mm)			a × b × t		C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U				
			200×100×t7/10		390	39	46	156	—	—	—	—	—	—	—	—	—	—	—	—	—			
			250×125×t7.5/12.5		403	37	71	158	403	37	71	159	416	35	62	170	416	35	62	170	—	—	—	—
			300×150×10/18.5		415	32	96	163	415	32	96	164	428	30	87	175	428	30	87	175	430	42	87	218
			450×175×t13/26		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	442	35	100	225
Min. radius of curvature (mm)			∞				∞				∞				∞				∞					
Weight (kg)			381 (406)				453 (480)				670 (717)				670 (717)				976 (1097)					



Capacity (TON)			7.5				10				15				20			
Hoist Model name		High speed traversing	CN7.5-H18(24)-MH				CN10-H18(24)-MH				CN15-H18(24)-MH				CN20-H18(24)-MH			
		Low speed traversing	CN7.5-H18(24)-ML				CN10-H18(24)-ML				CN15-H18(24)-ML				CN20-H18(24)-ML			
Hoist	Lift (m)		18 (24)				18 (24)				18 (24)				18 (24)			
	Hoisting speed (m/min) High / Creep speed	60 Hz	3.8 / 0.38				4.5 / 0.45				4.5 / 0.45				4.2 / 0.42			
		50 Hz	3.2 / 0.32				3.7 / 0.37				3.7 / 0.37				3.4 / 0.34			
	Hoisting motor (kw×P) High / Creep speed	60 Hz	5.5/1.0kw×6P				9.0/1.1kw×8P				13.0/1.8kw×8P				17.0/1.8kw×8P			
		50 Hz	4.6/0.83kw×6P				7.5/0.92kw×8P				10.8/1.5kw×8P				14.2/1.5kw×8P			
	Wire rope	Construction	6 × 37				6 × 37				6 × 37				6 × 37			
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall				Ø16 × 4 Fall				Ø20 × 4 Fall				Ø22.4 × 4 Fall			
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE															
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	18 / 15				18 / 15				16 / 13				16 / 13			
		Low speed (60/50Hz)	12 / 10				12 / 10				11 / 9				11 / 9			
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P×2				0.75/0.63kw×4P×2				1.5/1.3kw×4P×2				1.5/1.3kw×4P×2			
		Low speed (60/50Hz)	0.5/0.42kw×6P×2				0.5/0.42kw×6P×2				1.0/0.83kw×6P×2				1.0/0.83kw×6P×2			
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE														
Dimensions(approx.) (mm)		min.	1460				1520				1875				2100			
		A	1135 (1310)				1240 (1415)				1280 (1455)				1395 (1595)			
		B	1425 (1600)				1495 (1670)				1605 (1780)				1730 (1930)			
		F	506				578				633				656			
		E	275				275				295				295			
		G	1300 (1650)				1300 (1650)				1250 (1600)				1350 (1750)			
		H	325				325				345				345			
I-beam and spacing (mm)		I	447				510				600				610			
		a × b × t	C	S	T	U	C	S	T	U	C	S	T	U	C	S	T	U
		300 × 150 × t10/18.5	430	42	76	218	510	42	76	218	—	—	—	—	—	—	—	—
		450 × 175 × t13/26	443	35	101	225	510	35	101	225	600	30	71	240	610	30	71	250
		600 × 190 × t13/25	450	36	116	224	510	36	116	224	600	32	86	248	610	32	86	248
Min. radius of curvature (mm)			∞				∞				∞				∞			
Weight (kg)			1396 (1500)				1802 (1950)				2628 (2802)				3218 (3468)			



Capacity (TON)			2	2.8	3	5
Hoist Model name		High speed traversing	CD2-H18(24)-MH	CD2.8-H18(24)-MH	CD3-H18(24)-MH	CD5-H18(24)-MH
		Low speed traversing	CD2-H18(24)-ML	CD2.8-H18(24)-ML	CD3-H18(24)-ML	CD5-H18(24)-ML
Hoist	Lift (m)		18 (24)	18 (24)	18 (24)	18 (24)
	Hoisting speed (m/min) High / Creep speed	60 Hz	10 / 1.0	9.0 / 0.9	9.0 / 0.9	5.6 / 0.56
		50 Hz	8 / 0.8	7.5 / 0.75	7.5 / 0.75	4.7 / 0.47
	Hoisting motor (kw×P) High / Creep speed	60 Hz	3.7/0.75kw×4P	4.8/1.1kw×4P	5.5/1.1kw×4P	5.5/1.0kw×6P
		50 Hz	3.1/0.63kw×4P	4.0/0.92kw×4P	4.6/0.92kw×4P	4.6/0.83kw×6P
	Wire rope	Construction	6 × 19	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø8 × 4 Fall	Ø9 × 4 Fall	Ø9 × 4 Fall	Ø12.5 × 4 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	24 / 20	24 / 20	24 / 20	24 / 20
		Low speed (60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P	0.75/0.63kw×4P
		Low speed (60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P	0.5/0.42kw×6P
Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.	415	425	425	505
		A	865 (1015)	890 (1040)	890 (1040)	1135 (1310)
		B	1110 (1260)	1175 (1325)	1175 (1325)	1420 (1595)
		C	425	425	425	480
		D	445	475	475	500
		E	500	580	580	580
		F	160	160	160	160
		G	190	190	190	1905
		H	47	47	47	47
		Wire rope max. L	1020 (1340)	980 (1260)	980 (1260)	1150 (1485)
Rail gage R		1250 (1550)	1250 (1550)	1250 (1550)	1650 (2000)	
Wheel base W		650	650	650	760	
Rail (kg/m)			15 kg/m	15 kg/m	15 kg/m	15 kg/m
Weight (kg)			635 (693)	804 (882)	804 (882)	1194 (1314)



Capacity (TON)			7.5	10	15	20	30
Hoist Model name		High speed traversing	CD7.5-H18(24)-MH	CD10-H18(24)-MH	CD15-H18(24)-MH	CD20-H18(24)-MH	CD30-H18 -MH
		Low speed traversing	CD7.5-H18(24)-ML	CD10-H18(24)-ML	CD15-H18(24)-ML	CD20-H18(24)-ML	CD30-H18 -ML
Hoist	Lift (m)		18 (24)	18 (24)	18 (24)	18 (24)	18
	Hoisting speed (m/min) High / Creep speed	60 Hz	3.8 / 0.38	4.5 / 0.45	4.5 / 0.45	4.2 / 0.42	2.8 / 0.28
		50 Hz	3.2 / 0.32	3.7 / 0.37	3.7 / 0.37	3.4 / 0.34	2.3 / 0.23
	Hoisting motor (kw×P) High / Creep speed	60 Hz	5.5/1.0kw×6P	9.0/1.1kw×8P	13.0/1.8kw×8P	17.0/1.8kw×8P	17.0/1.8kw×8P
		50 Hz	4.6/0.83kw×6P	7.5/0.92kw×8P	10.8/1.5kw×8P	14.2/1.5kw×8P	14.2/1.5kw×8P
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø14 × 4 Fall	Ø16 × 4 Fall	Ø20 × 4 Fall	Ø22.4 × 4 Fall	Ø22.4 × 6 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed(60/50Hz)	16 / 13	16 / 13	16 / 13	16 / 13	16 / 13
		Low speed(60/50Hz)	11 / 9	11 / 9	11 / 9	11 / 9	11 / 9
	Traversing motor (kw×P)	High speed(60/50Hz)	0.75/0.63kw×4P	0.75/0.63kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P	1.5/1.3kw×4P×2
		Low speed(60/50Hz)	0.5/0.42kw×6P	0.5/0.42kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P	1.0/0.83kw×6P×2
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.	760	775	985	1150	1400
		A	1135 (1310)	1240 (1450)	1280 (1455)	1395 (1595)	1745
		B	1425 (1600)	1495 (1670)	1605 (1780)	1730 (1930)	2080
		C	500	543	600	700	900
		D	520	567	595	650	915
		E	640	690	838	895	900
		F	160	180	180	220	250
		G	190	210	210	250	280
		H	47	58	58	58	70
		Wire rope max. L	1195 (1580)	1230 (1622)	1295 (1710)	1325 (1745)	2026
		Rail gage R	1650 (2000)	1650 (2000)	1650 (2000)	1800 (2200)	2500
Rail (kg/m)		15 kg/m	15 kg/m	22 kg/m	22 kg/m	30 kg/m	
Weight (kg)		1249 (1446)	1833 (2000)	2505 (2746)	3288 (3598)	4361	



1. Double type과 Foot mounting type hoist의 조합된 형태로 작업하중에 적합한 호이스트를 사용하여 작업능률을 올릴 수 있습니다.

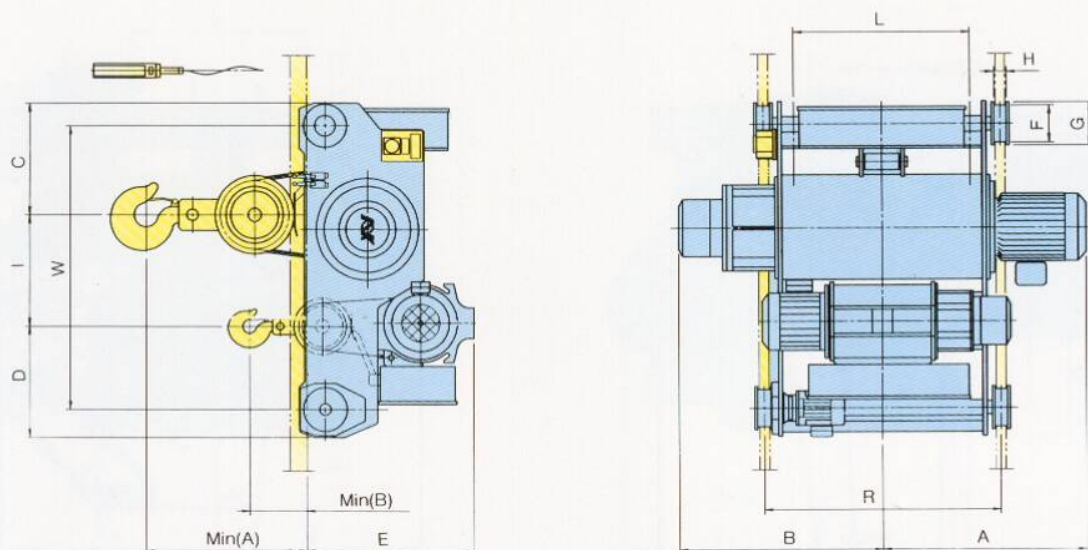
2. 고하중의 작업물을 임의의 각도로 회전할 때 편리하게 작업할 수 있습니다.

1. This is the mixed one of Double and Foot mounting type hoist. It can be used for the heavy lift by main hoist and light lift by Aux. hoist.

2. It can lift heavy products and rotate of every degree easily.



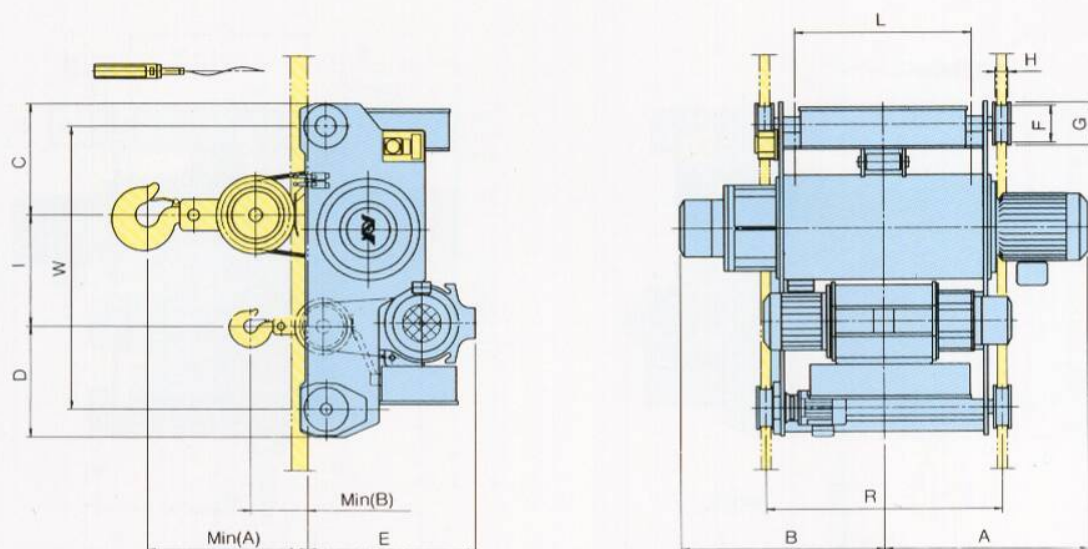
Main & AUX. type normal wire hoist



Capacity (TON)			10 / 3		10 / 5		
			MAIN (ND10)	AUX. (NN3)	MAIN (ND10)	AUX. (NN5)	
Hoist Model name			ND10/NN3-H(L)/H(L)12,18,24-MH(L)		ND10/NN5-H(L)/H(L)12,18,24-MH(L)		
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)		
	Hoisting speed (m/min)	High speed (60/50Hz)	4.5 / 3.7	9.0 / 7.5	4.5 / 3.7	5.6 / 4.7	
		Low speed (60/50Hz)	3.0 / 2.5	4.5 / 3.7	3.0 / 2.5	4.2 / 3.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	9.0/7.5kw × 8P	5.5/4.6kw × 4P	9.0/7.5kw × 8P	5.5/4.6kw × 6P	
		Low speed (60/50Hz)	6.0/5.0kw × 12P	2.8/2.3kw × 8P	6.0/5.0kw × 12P	4.2/3.5kw × 8P	
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø16 × 4 Fall	Ø12.5 × 2 Fall	Ø16 × 4 Fall	Ø16 × 2 Fall	
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13		
		Low speed (60/50Hz)	11 / 9		11 / 9		
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75 / 0.63 kw × 4P		0.75 / 0.63 kw × 4P		
		Low speed (60/50Hz)	0.5 / 0.42 kw × 6P		0.5 / 0.42 kw × 6P		
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.(A B)		775	275	775	395
		A	High speed	990 (1240, 1415)		990 (1240, 1415)	
			Low speed	990 (1240, 1415)		990 (1240, 1415)	
		B		985 (1235, 1410)		985 (1235, 1410)	
		C		540		540	
		D		540		630	
		E		810		895	
		F		180		180	
		G		210		210	
		H		58		58	
		I		545		620	
		Wire rope max. L		855 (1230, 1622)		855 (1230, 1622)	
		Rail gage R		1150 (1650 , 2000)		1150 (1650 , 2000)	
Wheel base W		1380		1550			
Rail (kg/m)			15		15		
Weight (kg)			1861 (2213 , 2438)		2071 (2790 , 3035)		



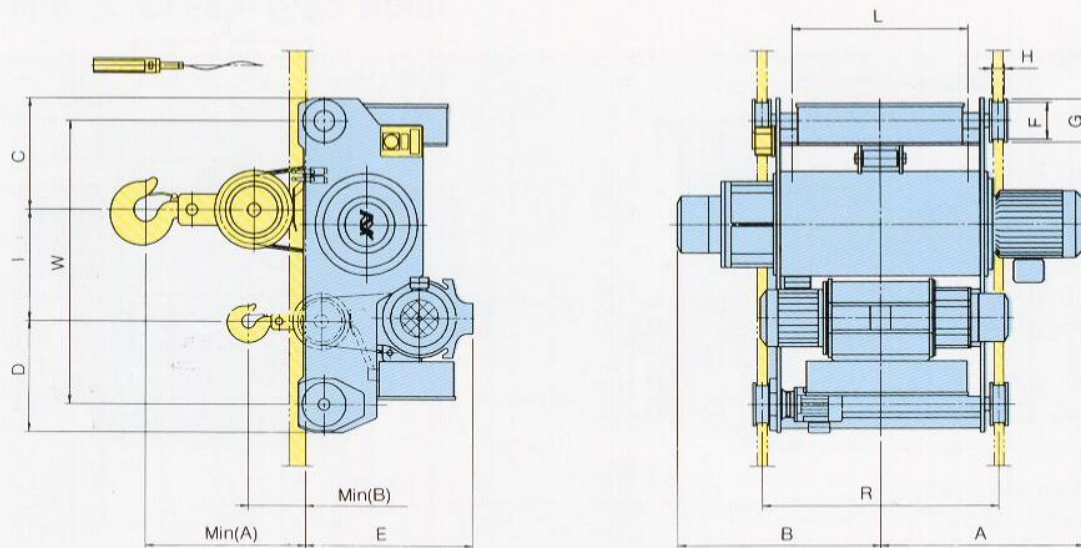
Main & AUX. type normal wire hoist



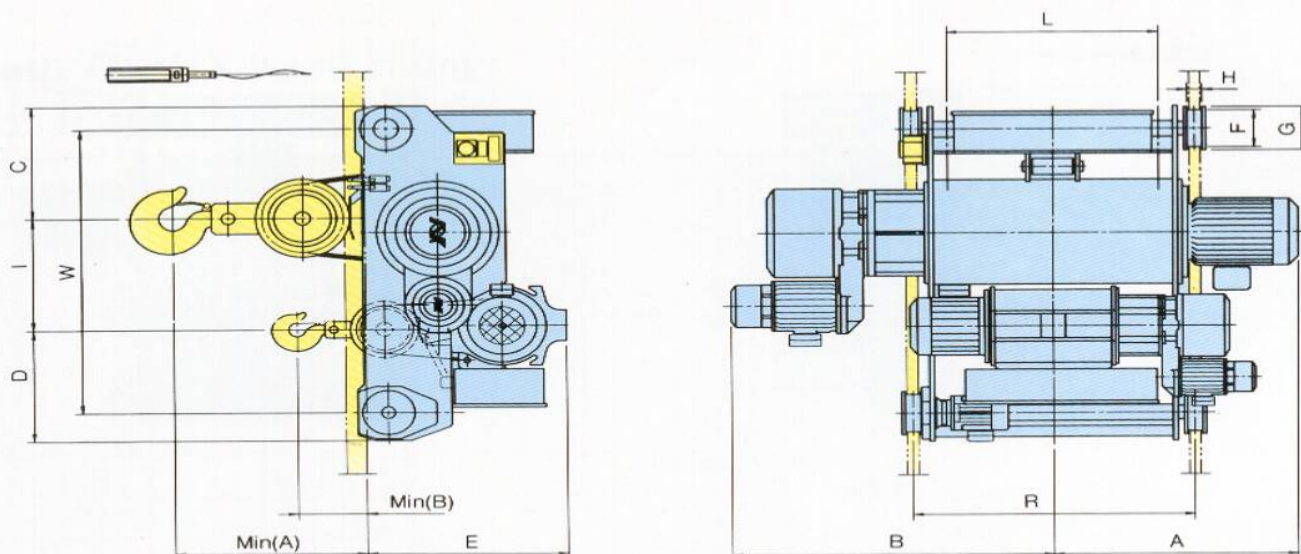
Capacity (TON)			15 / 3		15 / 5		
			MAIN (ND15)	AUX. (NN3)	MAIN (ND15)	AUX. (NN5)	
Hoist Model name			ND15/NN3-H(L)/H(L)12,18,24-MH(L)		ND15/NN5-H(L)/H(L)12,18,24-MH(L)		
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)		
	Hoisting speed (m/min)	High speed (60/50Hz)	4.5 / 3.7	9.0 / 7.5	4.5 / 3.7	5.6 / 4.7	
		Low speed (60/50Hz)	3.0 / 2.5	4.5 / 3.7	3.0 / 2.5	4.2 / 3.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	13.0/10.8kw × 8P	5.5/4.6kw × 4P	13.0/10.8kw × 8P	5.5/4.6kw × 6P	
		Low speed (60/50Hz)	8.5/7.1kw × 12P	2.8/2.3kw × 8P	8.5/7.1kw × 12P	4.2/3.5kw × 8P	
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø20 × 4 Fall	Ø12.5 × 2 Fall	Ø20 × 4 Fall	Ø16 × 2 Fall	
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13		
		Low speed (60/50Hz)	11 / 9		11 / 9		
	Traversing motor (kw×P)	High speed (60/50Hz)	1.5 / 1.3 kw × 4P		1.5 / 1.3 kw × 4P		
		Low speed (60/50Hz)	1.0 / 0.83 kw × 6P		1.0 / 0.83 kw × 6P		
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Dimensions(approx.) (mm)		min.(A B)		985	255	985	385
		A	High speed	1055 (1280, 1455)		1055 (1280, 1455)	
			Low speed	1015 (1240, 1415)		1015 (1240, 1415)	
		B		1080 (1305, 1480)		1080 (1305, 1480)	
		C		580		580	
		D		575		575	
		E		830		905	
		F		180		180	
		G		210		210	
		H		58		58	
		I		645		640	
		Wire rope max. L		870 (1295, 1710)		870 (1295, 1710)	
		Rail gage R		1200 (1650 , 2000)		1200 (1650 , 2000)	
Wheel base W		1450		1550			
Rail (kg/m)			22		22		
Weight (kg)			2544 (2868 , 3137)		2734 (3078 , 3367)		



Main & AUX. type normal wire hoist



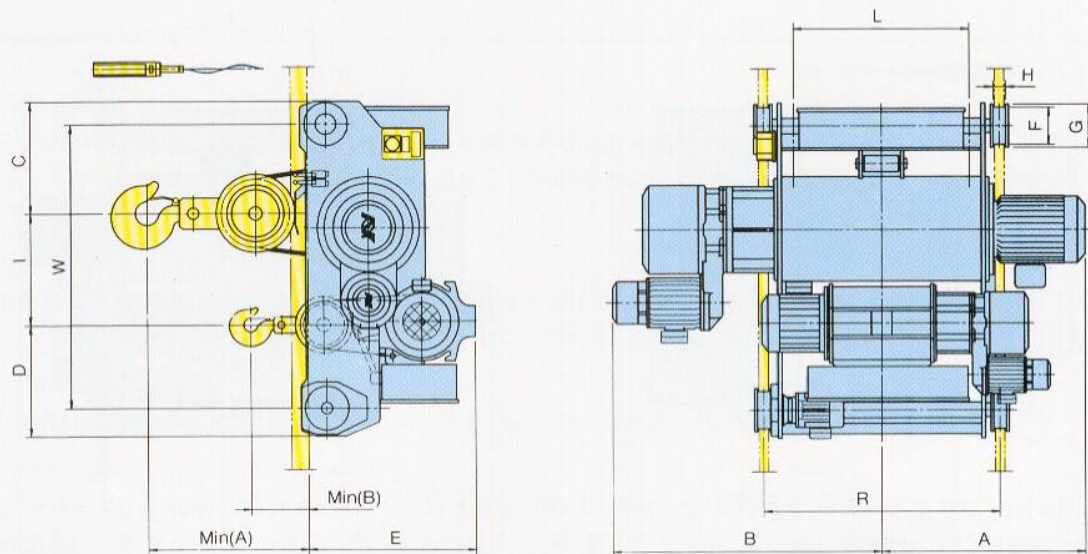
Capacity (TON)			20 / 3		20 / 5		
			MAIN (ND20)	AUX. (NN3)	MAIN (ND20)	AUX. (NN5)	
Hoist Model name			ND 20/NN3-H(L)/H(L)12,18,24-MH(L)		ND20/NN5-H(L)/H(L)12,18,24-MH(L)		
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)		
	Hoisting speed (m/min)	High speed (60/50Hz)	4.2 / 3.4	9.0 / 7.5	4.2 / 3.4	5.6 / 4.7	
		Low speed (60/50Hz)	2.8 / 2.3	4.5 / 3.7	2.8 / 2.3	4.2 / 3.5	
	Hoisting motor (kw×P)	High speed (60/50Hz)	17.0/14.2kw × 8P	5.5/4.6kw × 4P	17.0/14.2kw × 8P	5.5/4.6kw × 6P	
		Low speed (60/50Hz)	11.5/9.6kw × 12P	2.8/2.3kw × 8P	11.5/9.6kw × 12P	4.2/3.5kw × 8P	
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37	
		Dia.(mm)×no.of ropes	Ø22.4 × 4 Fall	Ø12.5 × 2 Fall	Ø22.4 × 4 Fall	Ø16 × 2 Fall	
	Hoisting Brake		D.C MAGNET DISC BRAKE "B" TYPE				
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13		
		Low speed (60/50Hz)	11 / 9		11 / 9		
	Traversing motor (kw×P)	High speed (60/50Hz)	1.5 / 1.3 kw × 4P		1.5 / 1.3 kw × 4P		
		Low speed (60/50Hz)	1.0 / 0.83 kw × 6P		1.0 / 0.83 kw × 6P		
	Traversing Brake		D.C MAGNET DISC BRAKE "B" TYPE				
Dimensions(approx.) (mm)		min.(A B)	1150	280	1150	390	
		A	High speed	1145 (1395, 1595)		1145 (1395, 1595)	
			Low speed	1095 (1345, 1545)		1095 (1345, 1545)	
		B	1170 (1420, 1620)		1170 (1420, 1620)		
		C	630		630		
		D	680		670		
		E	805		895		
		F	220		220		
		G	250		250		
		H	58		58		
		I	690		700		
		Wire rope max. L	910 (1325, 1745)		910 (1325, 1745)		
		Rail gage R	1300 (1800 , 2200)		1300 (1800 , 2200)		
Wheel base W	1720		1720				
Rail (kg/m)		22		22			
Weight (kg)		3151 (3625 , 4001)		3336 (3818 , 4213)			



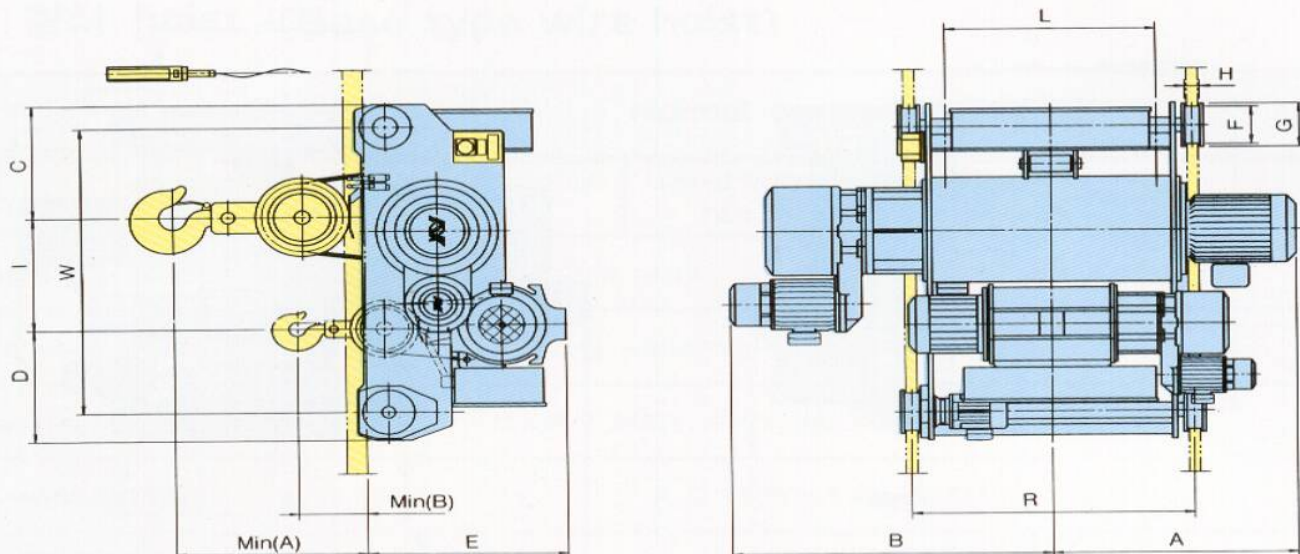
Capacity (TON)			10 / 3		10 / 5	
			MAIN (CD10)	AUX. (CN3)	MAIN (CD10)	AUX. (CN5)
Hoist Model name			CD10/CN3-H/H12,18,24-MH(L)		CD10/CN5-H/H12,18,24-MH(L)	
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)	
	Hoisting speed (m/min) High / creep speed	60 Hz	4.5 / 0.45	9.0 / 0.9	4.5 / 0.45	5.6 / 0.56
		50 Hz	3.7 / 0.37	7.5 / 0.75	3.7 / 0.37	4.7 / 0.47
	Hoisting motor (kw×P) High / creep speed	60 Hz	9.0/1.1kw × 8P	5.5/1.1kw × 4P	9.0/1.1kw × 8P	5.5/1.0kw × 6P
		50 Hz	7.5/0.92kw × 8P	4.6/0.92kw × 4P	7.5/0.92kw × 8P	4.6/0.83kw × 6P
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø16 × 4 Fall	Ø12.5 × 2 Fall	Ø16 × 4 Fall	Ø16 × 2 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13	
		Low speed (60/50Hz)	11 / 9		11 / 9	
	Traversing motor (kw×P)	High speed (60/50Hz)	0.75 / 0.63 kw × 4P		0.75 / 0.63 kw × 4P	
		Low speed (60/50Hz)	0.5 / 0.42 kw × 6P		0.5 / 0.42 kw × 6P	
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE		
Dimensions(approx.) (mm)		min. (A B)	775	275	775	395
		A	990 (1240, 1415)		990 (1240, 1415)	
		B	1245 (1495, 1670)		1245 (1495, 1670)	
		C	540		540	
		D	540		630	
		E	810		895	
		F	180		180	
		G	210		210	
		H	58		58	
		I	545		620	
		Wire rope max. L	855 (1230, 1622)		855 (1230, 1622)	
		Rail gage R	1150 (1650 , 2000)		1150 (1650 , 2000)	
Wheel base W		1380		1550		
Rail (kg/m)			15		15	
Weight (kg)			2090 (2442 , 2667)		2326 (2694 , 2939)	



Main & AUX. type creep wire hoist



Capacity (TON)			15 / 3		15 / 5	
			MAIN (CD15)	AUX. (CN3)	MAIN (CD15)	AUX. (CN5)
Hoist Model name			CD15/CN3-H/H12,18,24-MH(L)		CD15/CN5-H/H12,18,24-MH(L)	
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)	
	Hoisting speed (m/min) High / creep speed	60Hz	4.5 / 0.45	9.0 / 0.9	4.5 / 0.45	5.6 / 0.56
		50Hz	3.7 / 0.37	7.5 / 0.75	3.7 / 0.37	4.7 / 0.47
	Hoisting motor (kw×P) High / creep speed	60Hz	13.0/1.8kw × 8P	5.5/1.1kw × 4P	13.0/1.8kw × 8P	5.5/1.0kw × 6P
		50Hz	10.8/1.5kw × 8P	4.6/0.92kw × 4P	10.8/1.5kw × 8P	4.6/0.83kw × 6P
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø20 × 4 Fall	Ø12.5 × 2 Fall	Ø20 × 4 Fall	Ø16 × 2 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13	
		Low speed (60/50Hz)	11 / 9		11 / 9	
	Traversing motor (kw×P)	High speed (60/50Hz)	1.5 / 1.3 kw × 4P		1.5 / 1.3 kw × 4P	
		Low speed (60/50Hz)	1.0 / 0.83 kw × 6P		1.0 / 0.83 kw × 6P	
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE		
Dimensions(approx.) (mm)		min.(A B)	985	255	985	385
		A	1055 (1280, 1455)		1055 (1280, 1455)	
		B	1380 (1605, 1780)		1380 (1605, 1780)	
		C	580		580	
		D	575		575	
		E	830		905	
		F	180		180	
		G	210		210	
		H	58		58	
		I	645		640	
		Wire rope max. L	870 (1295, 1710)		870 (1295, 1710)	
		Rail gage R	1200 (1650 , 2000)		1200 (1650 , 2000)	
Wheel base W		1450		1550		
Rail (kg/m)			22		22	
Weight (kg)			2742 (3066 , 3335)		3054 (3400 , 3689)	



Capacity (TON)			20 / 3		20 / 5	
			MAIN (CD20)	AUX. (CN3)	MAIN (CD20)	AUX. (CN5)
Hoist Model name			CD10/CN3-H/H12,18,24-MH(L)		CD20/CN5-H/H12,18,24-MH(L)	
Hoist	Lift (m)		12 (18 , 24)		12 (18 , 24)	
	Hoisting speed (m/min) high / creep speed	60Hz	4.2 / 0.42	9.0 / 0.9	4.2 / 0.42	5.6 / 0.56
		50Hz	3.4 / 0.34	7.5 / 0.75	3.4 / 0.34	4.7 / 0.47
	Hoisting motor (kw×P) high / creep speed	60Hz	17.0/1.8kw × 8P	5.5/1.1kw × 4P	17.0/1.8kw × 8P	5.5/1.0kw × 6P
		50Hz	14.2/1.5kw × 8P	4.6/0.92kw × 4P	14.2/1.5kw × 8P	4.6/0.83kw × 6P
	Wire rope	Construction	6 × 37	6 × 37	6 × 37	6 × 37
		Dia.(mm)×no.of ropes	Ø22.4 × 4 Fall	Ø12.5 × 2 Fall	Ø22.4 × 4 Fall	Ø16 × 2 Fall
Hoisting Brake			D.C MAGNET DISC BRAKE "B" TYPE			
Trolley	Traversing speed (m/min)	High speed (60/50Hz)	16 / 13		16 / 13	
		Low speed (60/50Hz)	11 / 9		11 / 9	
	Traversing motor (kw×P)	High speed (60/50Hz)	1.5 / 1.3 kw × 4P		1.5 / 1.3 kw × 4P	
		Low speed (60/50Hz)	1.0 / 0.83 kw × 6P		1.0 / 0.83 kw × 6P	
	Traversing Brake			D.C MAGNET DISC BRAKE "B" TYPE		
Dimensions(approx.) (mm)		min.(A B)	1150	280	1150	390
		A	1145 (1395, 1595)		1145 (1395, 1595)	
		B	1480 (1730, 1930)		1480 (1730, 1930)	
		C	630		630	
		D	680		670	
		E	805		895	
		F	220		220	
		G	250		250	
		H	58		58	
		I	690		700	
		Wire rope max. L	910 (1325, 1745)		910 (1325, 1745)	
		Rail gage R	1300 (1800 , 2200)		1300 (1800 , 2200)	
Wheel base W		1720		1720		
Rail (kg/m)			22		22	
Weight (kg)			3506 (3980 , 4356)		3715 (4197 , 4592)	



호이스트 관련부품 (Hoist components)

전기식 과부하 방지 장치 (Load limiter)



- NORMAL SPEED 용 (NLL - 1003SW)
- 형식 번호 : 95-118-J1



- CREEP SPEED 용 (NLL - 1003C)
- 형식 번호 : 95-159-J1

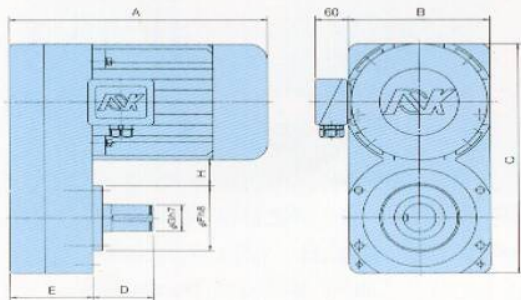
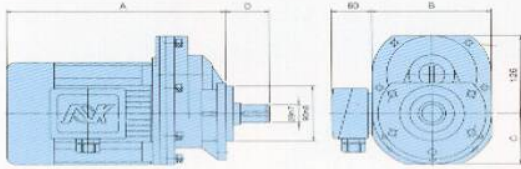
I-beam 최대 허용 span

단위 (m)

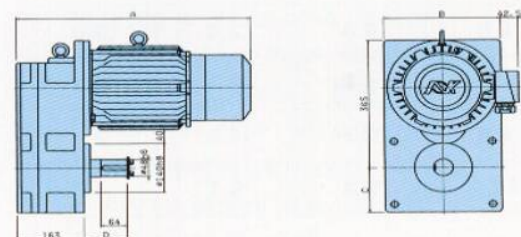
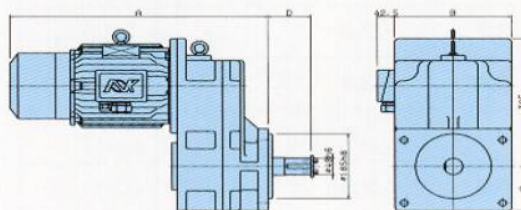
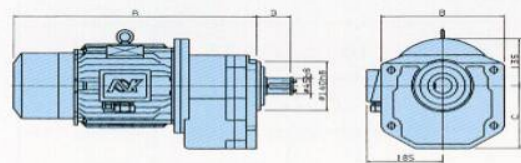
I - beam		Capacity (TON)							
Size (mm)	Weight (kg/m)	1.0	2.0	3.0(2.8)	5.0	7.5	10	15	20
※ 200 × 100 × t7/10	26.0	3.8	2.4	-	-	-	-	-	-
※ 250 × 125 × t7.5/12.5	38.3	5.9	4.5	3.0	1.8	-	-	-	-
250 × 125 × t10/19	55.5	7.0	5.3	4.3	2.7	-	-	-	-
300 × 150 × t8/13	48.3	8.0	6.0	4.5	2.8	1.9	1.5	-	-
※ 300 × 150 × t10/18.5	65.5	9.2	7.0	5.8	3.8	2.7	2.0	-	-
300 × 150 × t11.5/22	76.8	9.7	7.5	6.2	4.4	3.1	2.3	-	-
350 × 150 × t9/15	58.5	10.0	7.7	5.9	3.7	2.6	2.0	-	-
350 × 150 × t12/24	87.2	11.4	9.3	7.7	5.5	3.9	3.0	-	-
400 × 150 × t10/18	72.0	12.0	9.6	7.7	4.9	3.5	2.6	-	-
400 × 150 × t12.5/25	95.8	13.0	11.0	9.2	6.4	4.6	3.5	-	-
450 × 175 × t11/20	91.7	-	-	-	7.0	5.0	3.8	2.6	2.0
450 × 175 × t13/26	115.0	-	-	-	8.6	6.3	4.8	3.3	2.5
600 × 190 × t13/25	133.0	-	-	-	-	8.6	6.7	4.6	3.5
600 × 190 × t16/35	176.0	-	-	-	-	11.0	8.8	6.1	4.7

- 상기 표는 I-beam의 처짐량을 1/1000 범위 내에서 설정한 것임.
- ※ 표시 I-beam은 국산임.

Geared motor



D.C MAGNET DISC BRAKE TYPE



Model	Type	Dimensions				Brake type	Reduction ratio
		A	B	C	D		
GM-SA0.8	0.5kw × 6P	259	166	83	55	A.C Brake	1/12
	0.75kw × 4P						
GM-SD0.8	0.5kw × 6P	305	166	83	60	D.C Brake	1/16.3
	0.75kw × 4P						
GM-SD1.5	1.0kw × 6P	334	180	95	85	D.C Brake	1/16.3
	1.5kw × 4P						

Model	Type	Dimensions								Reduction ratio
		A	B	C	D	E	F	G	H	
GM-LD1.5	1.0kw × 6P	334	190	360	85	93	90	29	38	1/12
	1.5kw × 4P									
GM-LD3.7	2.2kw × 6P	407	224	425	95	131	120	48	48	1/22.3
	3.5kw × 4P									

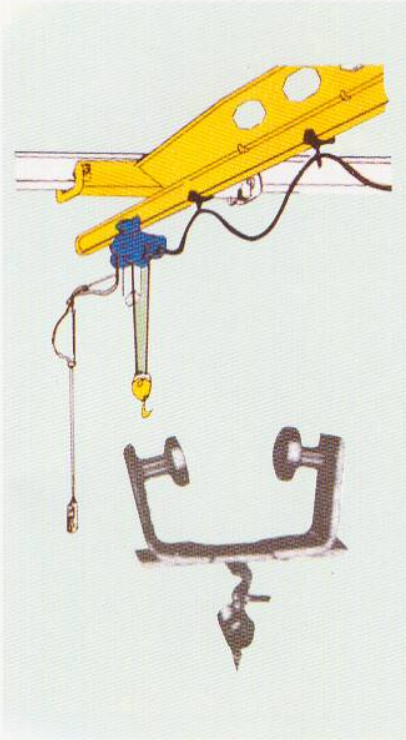
Model	Type	Dimensions				Brake Type	Reduction ratio
		A	B	C	D		
GM-SD2.2	2.2kw × 4P	592	300	180	84	D.C Brake	1 / 20
	1.5kw × 6P						

Model	Type	Dimensions				Brake Type	Reduction ratio
		A	B	C	D		
GM-SD3.7	3.7kw × 4P	629	285	128	105	D.C Brake	1 / 22
	2.2kw × 6P						

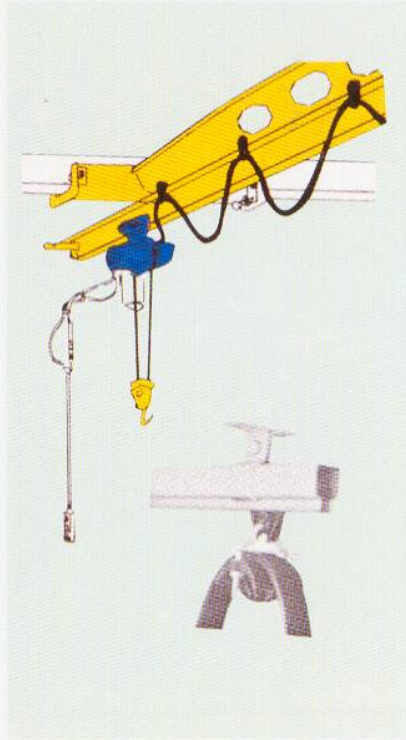
Model	Type	Dimensions				Brake Type	Reduction ratio
		A	B	C	D		
GM-LD3.7	3.7kw × 4P	571	285	128	105	D.C Brake	1 / 22
	2.2kw × 6P						

Electric accessories

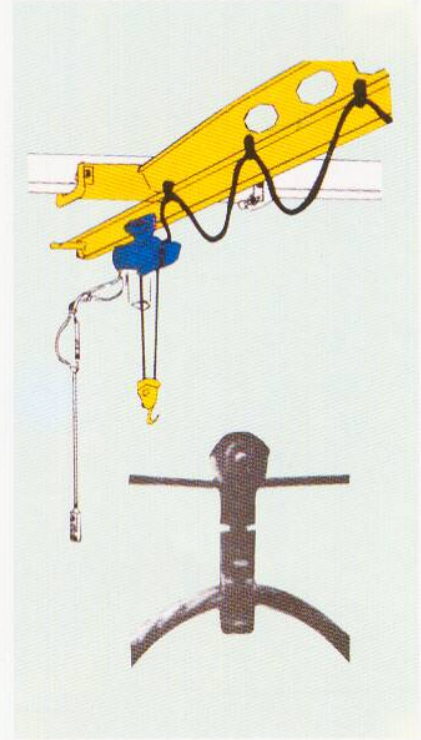
1. Magic hanger



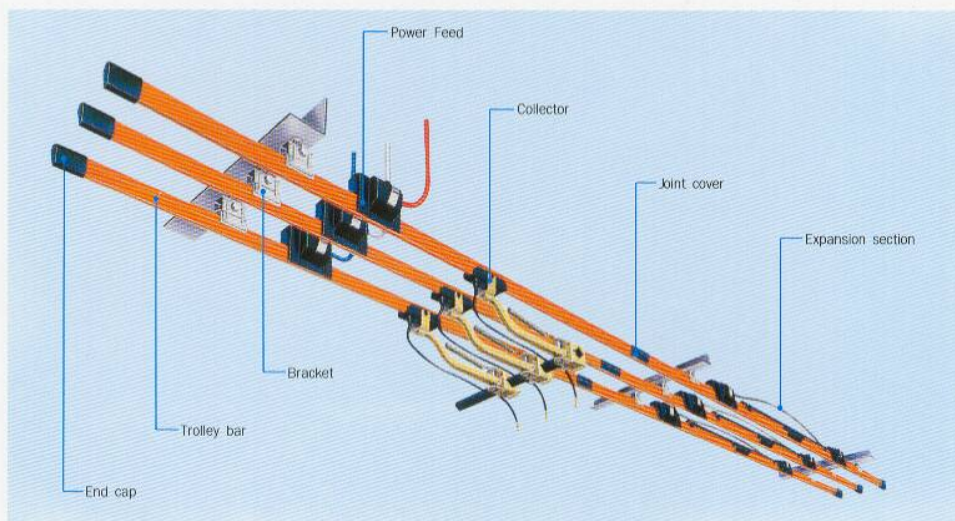
2. Festoon hanger



3. Cable hanger



4. Trolley bar



- 60A, 90A, 160A, 200A, 300A, 500A의 6종으로 표준길이는 3m, 내열온도는 80℃ 이하에 사용.
- 고용량의 부하가 걸리는 작업 라인에 적합.
- 설치작업이 편리하다.

- There are 6 types—60A, 90A, 160A, 200A, 300A, 500A. Standard length is 3m and limited temperature is 80℃.
- It is good for operating in heavy load.
- It is easy to install.



ISO 9001 인증

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