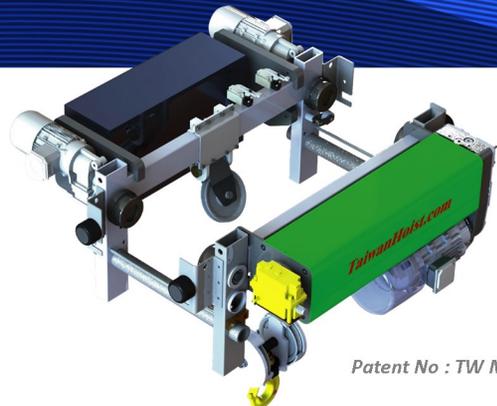
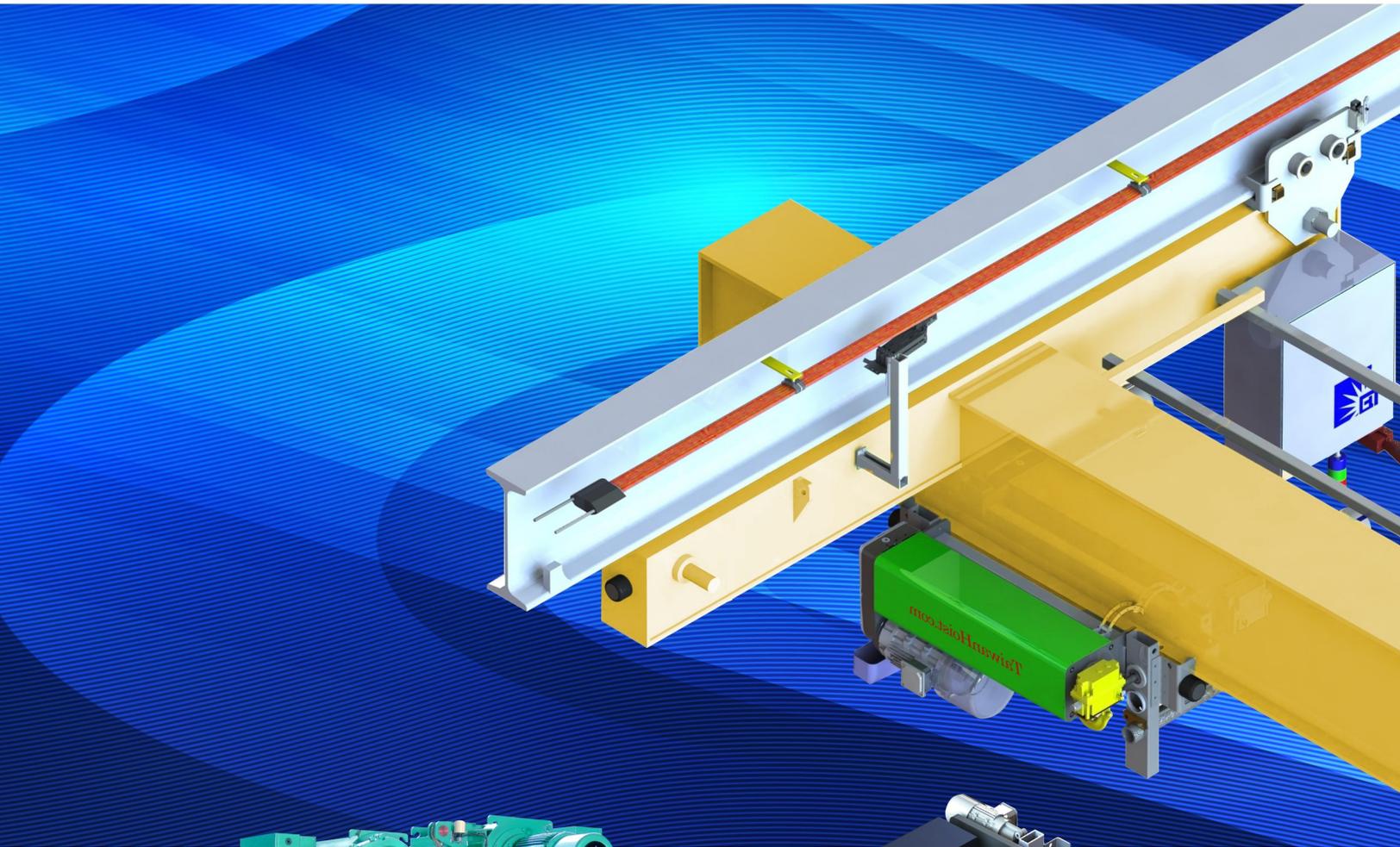


# SAN YUAN

SINCE 1982 MATERIAL HANDLING

## ELECTRIC WIRE ROPE HOIST



Patent No : TW M547550



[www.TaiwanHoist.com](http://www.TaiwanHoist.com)

## Product Code

**5 R F N H - DT I 42 12**

Capacity (Ton)

Lift (M)

R : Electrical Wire Rope Hoist  
W : Winch  
E : Smart winch (E Series)

Reeving Type (2/1) (4/1) (4/2)

### Hoisting Speed

V : Fast hoisting speed type  
F : Standard hoisting speed type  
S : Slow hoisting speed type

### Trolley Speed Control

I : Trolley speed controlled by INVERTER  
(Infinite speed control or two speed)  
C : Two step trolley speed by Pole  
Changed Motor

### Lifting Speed Control

N : Two step hoisting speed by Twin Motor  
Mechanism ( Speed Ratio = 6:1 or 10:1 )  
C : Two step hoisting speed By Pole Changed Motor  
I : Hoisting speed controlled by INVERTER  
(Infinite speed control or Two step speed)

MT : Monorail Trolley  
DT : Top Running Trolley  
LT : Monorail Low Headroom Trolley  
D : Foot mounted type hoist body only  
M : Suspended type hoist body Only

H : In Quotes Means Lift Measure

Operation Mode : Pendant Push Button

Power Supply : 3Φ220/380/415/440/460V 50/60Hz

## List

Index	1
Features & Option	2
Smart winch (E Series)	3 ~ 6
RFN-DTC Double rail wire rope hoist ( With Creep Speed ) (2~20 Ton)	7
RSN-DTC Double rail wire rope hoist ( With Creep Speed ) (Slow, 5~30 Ton)	8
RF-DT Double rail rope hoist ( Single Speed ) (2.8~20 Ton)	9 ~ 10
RS-DT Double rail rope hoist ( Single Speed ) (Slow, 2.8~30 Ton)	11
RF-D Foot-mounted wire rope hoist (1~5 Ton)	12
RF-LT Monorail Low Headroom wire rope hoist (1~10 Ton)	13
RF-MT Monorail wire rope hoist (1~20 Ton)	14
RS-MT Monorail wire rope hoist (Slow, 2.8~30 Ton)	15
RF-M Suspended type wire rope hoist (1~15 Ton)	16
WF Winch	17
E3W Industrial winch	18

## Option



AC electromagnetic  
Brake automatic  
system



Rope Guider



Motorized Fan  
Controlled By Timer



Overload Limit



Inverter For Hoist  
Purpose



Remote Controller

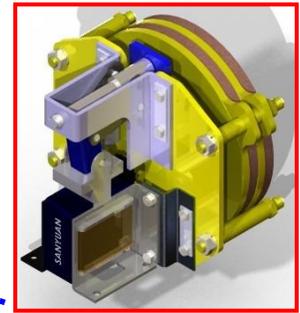


# SAN YUAN

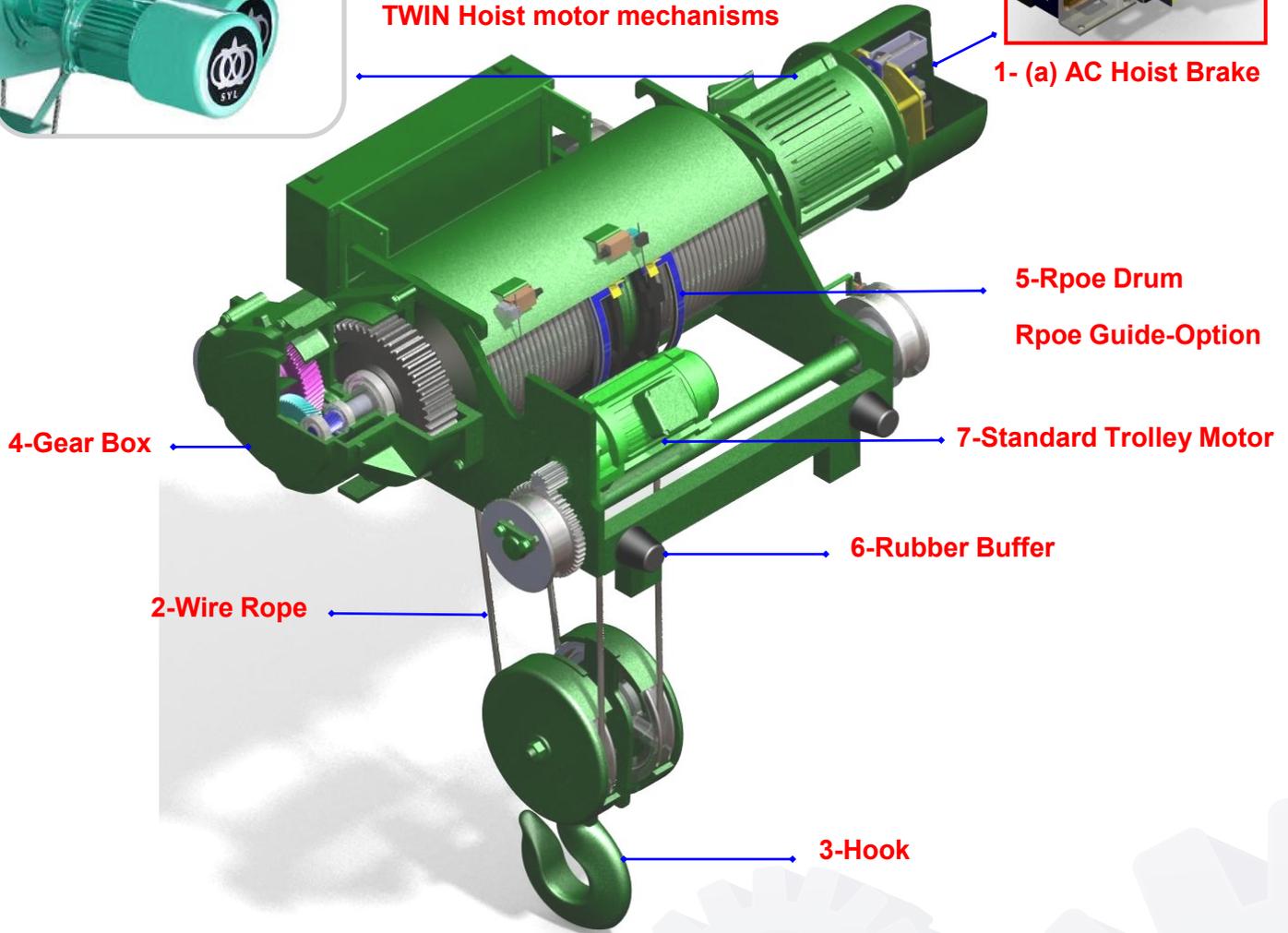
SINCE 1982 MATERIAL HANDLING



1- Motor  
TWIN Hoist motor mechanisms



1- (a) AC Hoist Brake



5-Rpoe Drum  
Rpoe Guide-Option

4-Gear Box

7-Standard Trolley Motor

6-Rubber Buffer

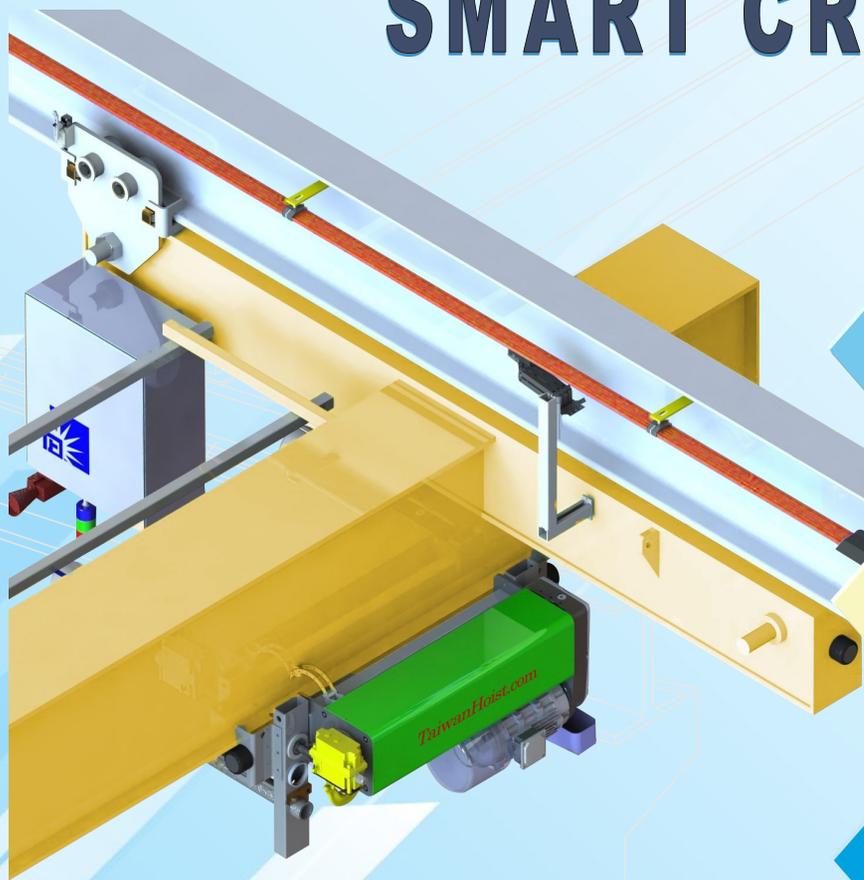
2-Wire Rope

3-Hook

## Standard Features

1. ( a ) AC Hoist Brake – braking torque  $>150\%$  rated torque of motor. The brake is held even if power failure - ensuring the load is always stopped when the control button is released.  
( b ) Standard hoist motor - squirrel cage 3-phase A.C. induction motor - IP54 (Option: IP65, IP55... etc); B class insulation (Option: F, H for Inverter purpose) ; 25%ED. (Option: 40~100%ED)  
( c ) Tube Axial Fan (Option) - controlled by timer, especially suitable for hot location or frequency hoist demand.
2. Wire Rope for Hoist Purpose – Standard wire is 6xSes (37) +FC for a long service life and safety factor  $> 5$  times.
3. Hook can be rotated 360 degree and safety factor  $> 5$  times
4. Since gear is made of SNCM220 and S45C and treated with induction hardening, the surface is hard (50HR ~60HR) and inside is elastic. Gears are smoothly operated for grease lubrication and superior to a wear and abrasion resistance.
5. Fine machining of the drum grooves minimizes wear on the rope, the return sheaves are resistance to wear. Extremely wear-resistance rope guide (option) is made of spherical graphite cast iron, high resistance to diagonal pull; no temperature limitations.
6. Trolley with rubber buffer reduce vibration when it move to end of trolley way.
7. Standard Trolley motor – with mechanical soft start & stop function, for even smoother acceleration and infinitely variable speed, Inverter control is available for all modes.

# SMART CRANE · WINCH



The motor standard has built-in thermal protection to protect components and extend their useful life.

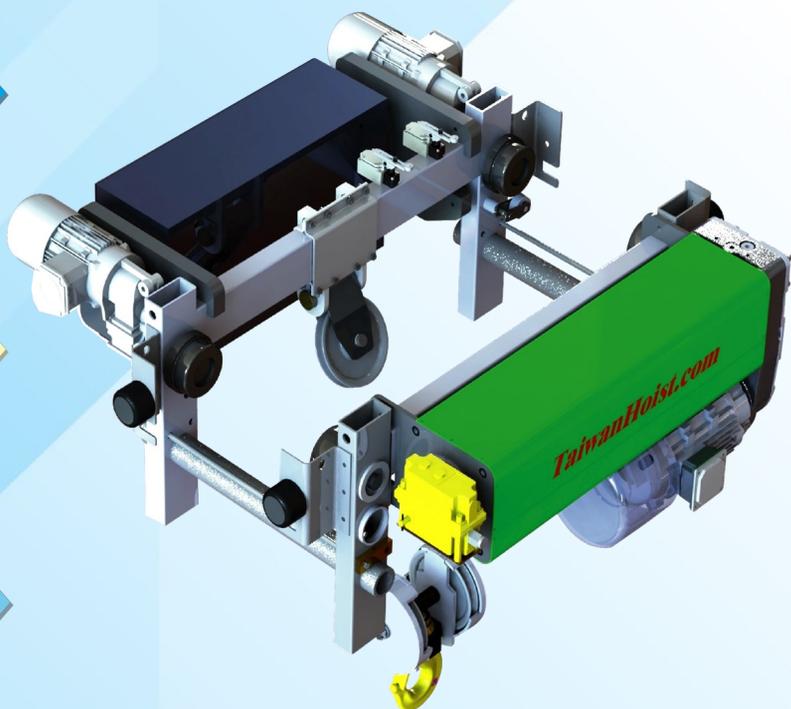
The main body of the trolley frame is welded by steel, focusing on rigidity and light weight.

The compact construction allows the hook to be capped up to the maximum available space.

An economical winch two-speed option is achieved through a pole-changing motor.

Use the inverter to achieve a smoother and more intelligent cargo handling.

The operating switch standard is equipped with an emergency stop function and is ergonomic.



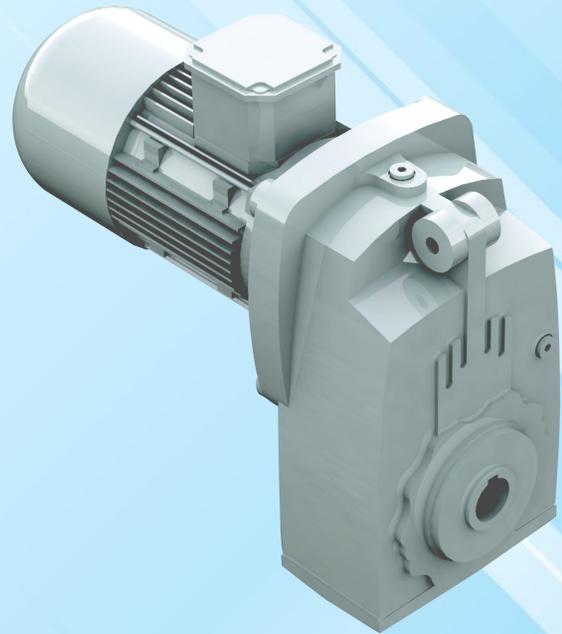
**Monorail Low Headroom**

# Variable Frequency Crane Horizontal Straight Drive

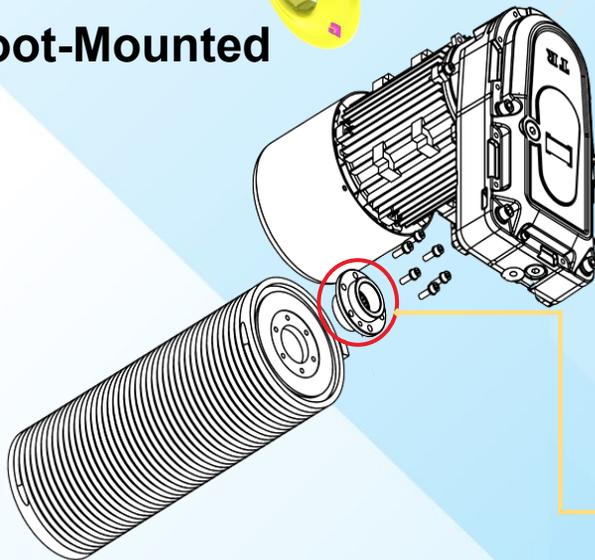


## Direct Drive Design

The hoisting gear reducer directly transmits power to the reel, and the non-traditional long drive shaft type maximizes mechanical efficiency. Both the radial and straight-line gear reducers directly transmit power to the drive wheels, and non-traditional grease-lubricated exposed gears are used.



## Foot-Mounted



The reel input bushing can be used in a separate design using a bolt retainer to remove the hole for future replacement.



The reel is suitable for high strength steel cables and takes into account economic factors.

The steel cable is IWRC 6 × WS (36), and the breaking load is guaranteed to be more than five times the load.



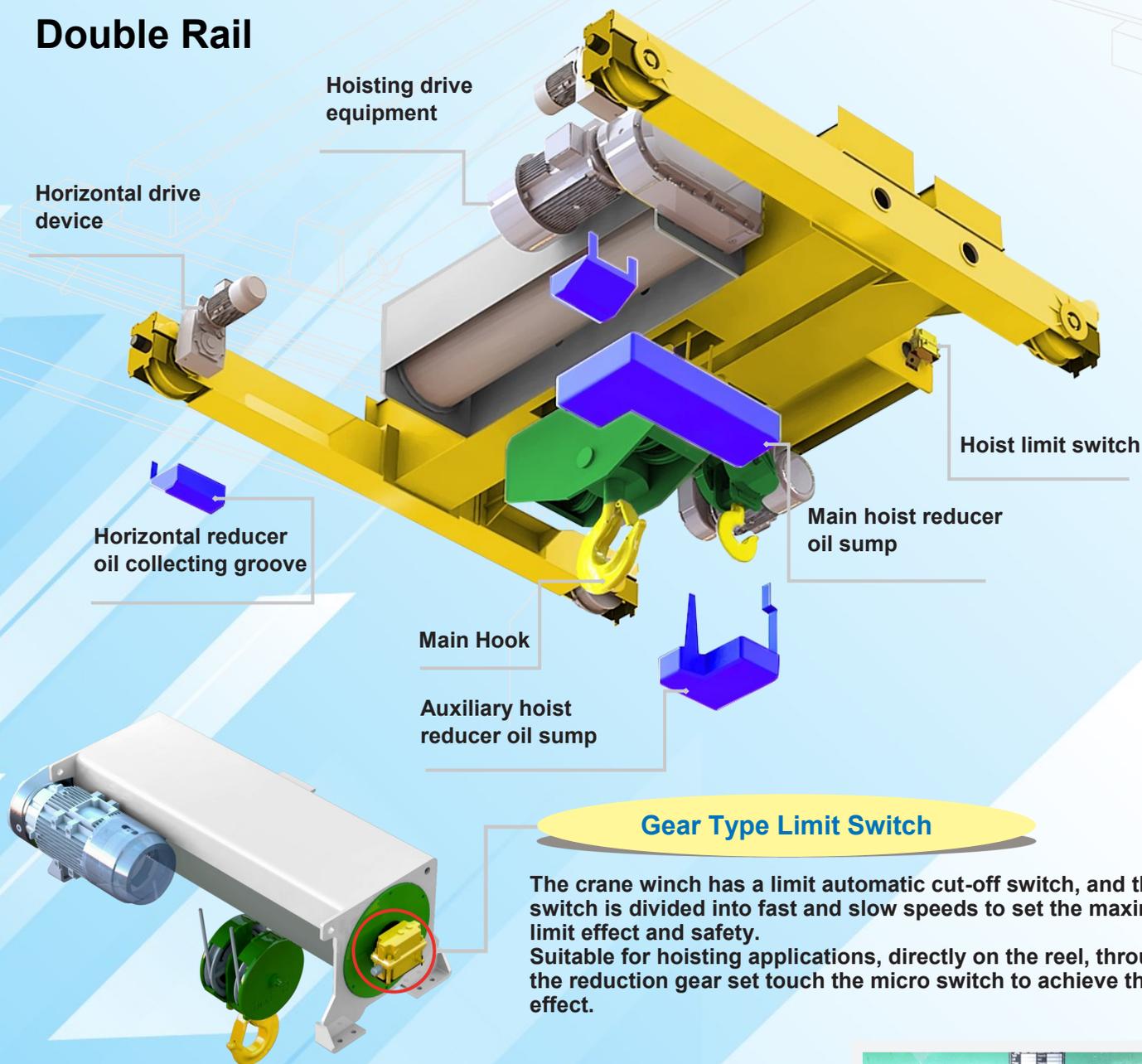
The hoisting motor of the inverter type uses the S1 grade and the insulation grade is F or more.

The pole-changing two-speed motor model can be selected from 25% ED, 40% ED or 60% ED with an insulation rating of F or higher.

Depending on the state of use, the single-speed hoisting motor can be selected from 25% ED, 40% ED or 60% ED with an insulation rating of F or higher.

# SMART CRANE · WINCH

## Double Rail



### Gear Type Limit Switch

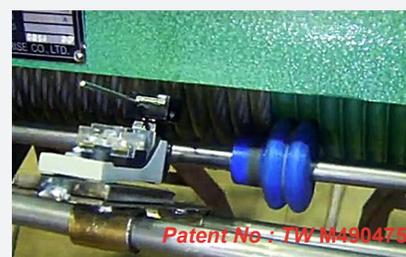
The crane winch has a limit automatic cut-off switch, and the limit switch is divided into fast and slow speeds to set the maximum limit effect and safety. Suitable for hoisting applications, directly on the reel, through the reduction gear set touch the micro switch to achieve the limit effect.

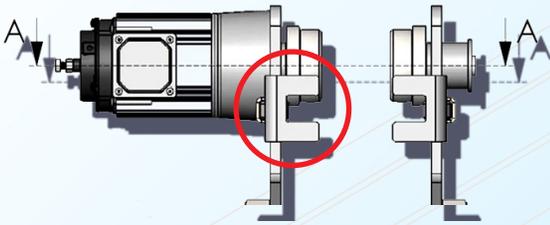
### Guide Type Limit Switch

Applicable to the hoisting application, multiple sets of hook lifting limit switches can be installed. When the cable guide rotates with the reel shaft, the axial displacement occurs, and the micro switch is touched to reach the limit function.

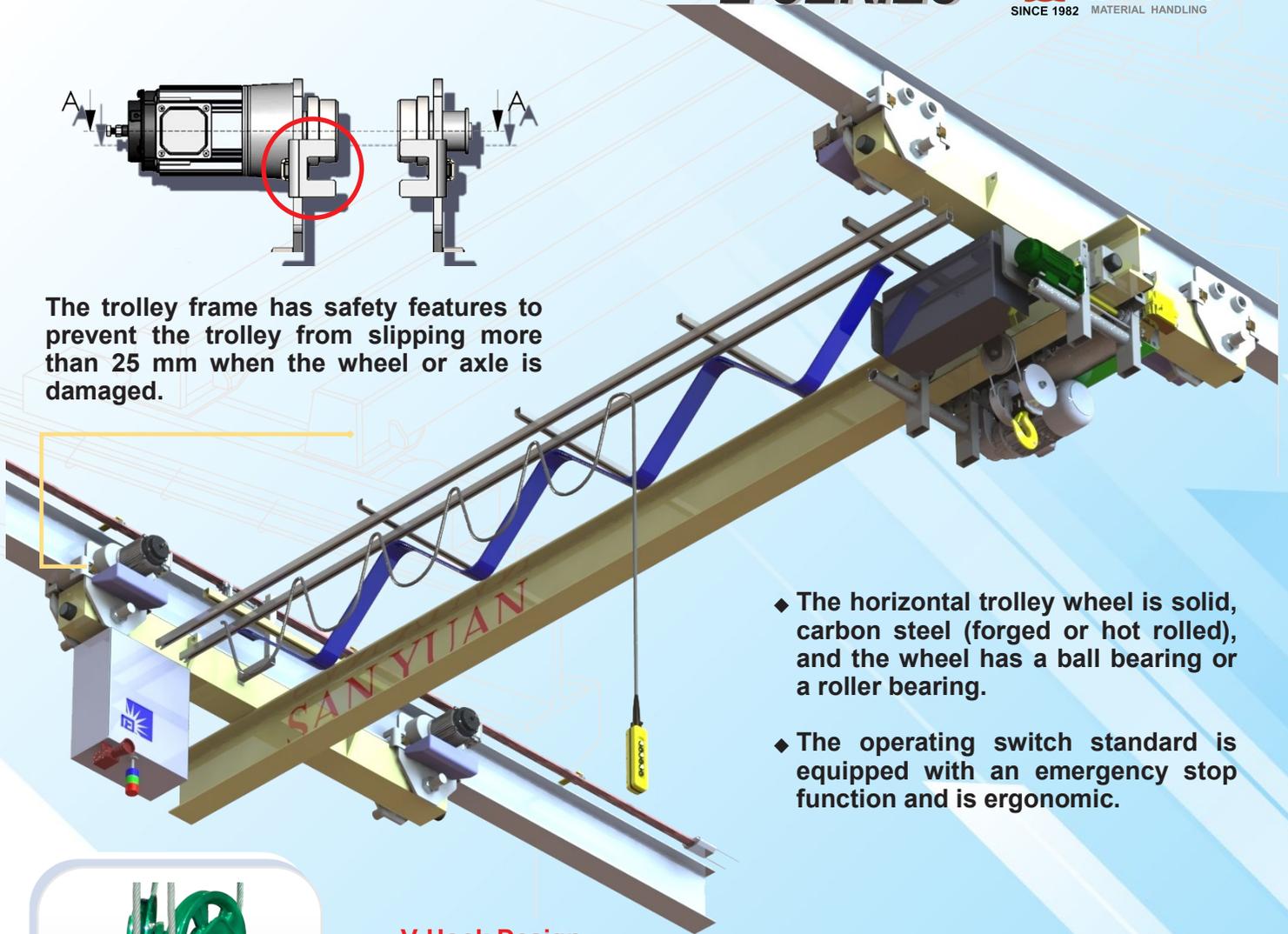
It has the function of **AUTOMATIC STEEL WIRE GUIDE**, and the **patented design of spring principle (Patent No : M490475)**, which presses the steel cable into the groove to prevent the steel cable from being damaged due to chaos.

Enhanced anti-sway sensing function: By installing appropriate sensors on the cable guide, the tension and yaw angle of the cable can be sensed to enhance the accuracy of the anti-sway function.





The trolley frame has safety features to prevent the trolley from slipping more than 25 mm when the wheel or axle is damaged.



- ◆ The horizontal trolley wheel is solid, carbon steel (forged or hot rolled), and the wheel has a ball bearing or a roller bearing.
- ◆ The operating switch standard is equipped with an emergency stop function and is ergonomic.



**V-Hook Design**

The length of the cable reel on the reel can be maximized and the angle of the cable being wound into the reel can be adapted.

(Patent No : TW M563428)



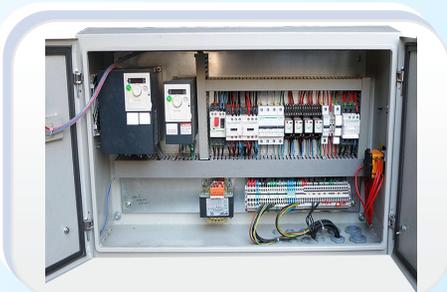
**AC Electromagnetic Automatic Adjustment Mechanism**

Prevents the brake coil from burning out.

**Automatic adjustment of the brakes**

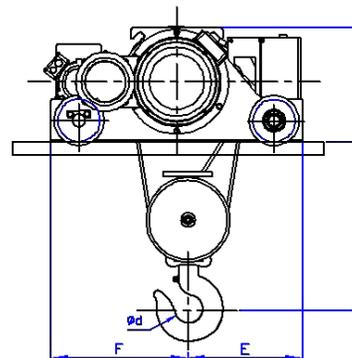
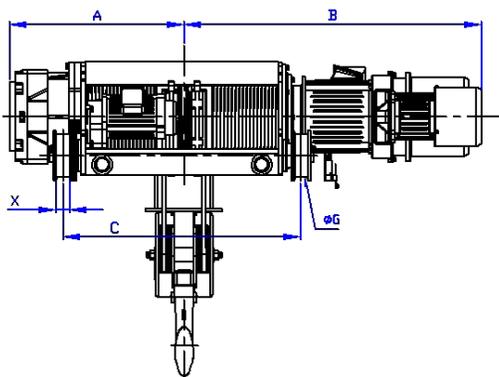
Principle: Mechanical closed loop control is used to maintain brake clearance and brake pressure spring height.

1. The automatic adjustment arm keeps the gap between the friction plate and the brake drum constant.
2. Prevent the load from falling due to insufficient braking force.
3. There is no need to manually adjust the brake clearance and reduce the number of maintenance and repairs.

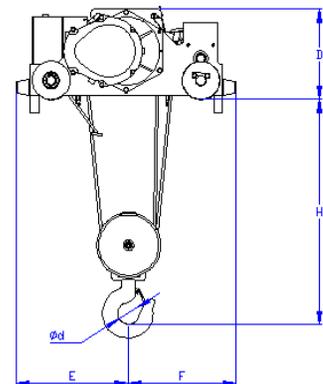
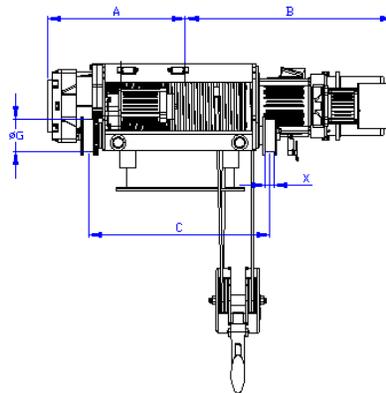


**Power Control System**

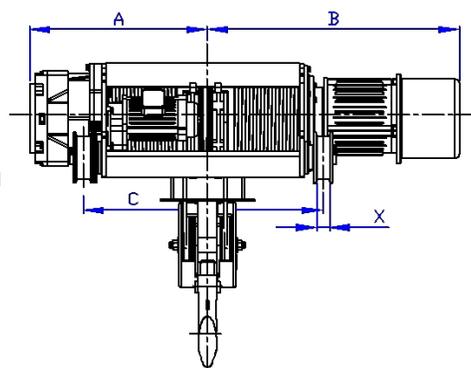
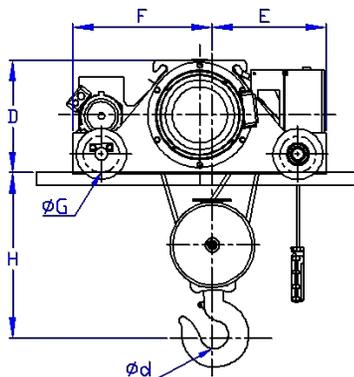
All wirings must be fixed with anti-vibration terminals. When connecting cables and switchboards, all kinds of suitable cable plugs should be used for fixing. The power cables are grounded to ensure safety. The wiring of the distribution box should have the line number. Mark the line number).



Type		2RFN-DTC	2.8RFN-DTC	3RFN-DTC	5RFN-DTC	7.5RFN-DTC	10RFN-DTC	15RFN-DTC	20RFN-DTC					
Capacity (Ton)		2	2.8	3	5	7.5	10	15	20					
Lift (M)		6、8、12												
Hoist Speed (M/min)	50HZ	6.3/1.05	5.3/0.88	5.3/0.88	6/0.6	4.2/0.42	4.3/0.43	4.2/0.42	3.5/0.35					
	60HZ	7.5/1.25	6.3/1.05	6.3/1.05	7.2/0.72	5/0.5	5.2/0.52	5/0.5	4.2/0.42					
Hoist Motor (Kw)		3.75/0.75	3.75/0.75	3.75/0.75	7.5/0.75	7.5/0.75	11/1.5	15/1.5	18.5/2.2					
Trolley Speed (M/min)	50HZ	14/4.6					15/5	12/4						
	60HZ	17/5.6					18/6	15/5						
Trolley Motor (Kw)		0.4/0.13	0.4/0.13	0.4/0.13	0.75/0.25	0.75/0.25	1.5/0.5	1.5/0.5	2.2/0.75					
Hoisting Speed Ratio		6 : 1					10 : 1							
Dia. Of Rope (mm)		Φ10	Φ8	Φ12	Φ10	Φ12	Φ10	Φ16	Φ12	Φ14	Φ16	Φ18	Φ20	
Reeving Type		2/1	4/2	2/1	4/2	2/1	4/2	2/1	4/2	4/2	4/2	4/2	4/2	
Approximate Dimensions (mm)	A	6M	325	425	455	530	455	530	490	570	625	725	800	820
		8M	345	485	455	580	455	580	490	625	675	775	855	880
		12M	400	*	530	710	530	710	570	725	805	915	980	1030
	B	6M	955	1010	980	1050	980	1050	1050	1110	1165	1215	1300	1320
		8M	975	1035	980	1100	980	1100	1050	1165	1215	1265	1355	1390
		12M	1150	*	1050	1230	1050	1230	1110	1265	1350	1405	1470	1520
	C	6M	550	750	600	750	600	750	600	750	850	900	850	950
		8M	600	850	600	850	600	850	600	850	1000	1000	950	1050
		12M	700	*	750	1100	750	1100	750	1050	1250	1250	1150	1250
	D	380	380	415	415	415	415	480	480	500	550	680	680	
	E	350	380	380	380	440	430	490	575	575				
	F	400	430	430	460	500	610	715	715					
	ΦG	120	120	120	150	180	200	220	250					
	H	650	580	650	580	650	580	750	670	720	830	920	1050	
Φd	40	60	60	75	85	100	120	140						
X	44	44	44	44	52	52	58	58						
Net Weight (Kg)	6M	240	280	380	430	380	430	545	580	700	880	1300	1500	
	8M	250	300	380	450	380	450	560	620	760	980	1350	1580	
	12M	262	*	410	490	410	490	580	680	810	1170	1490	1710	



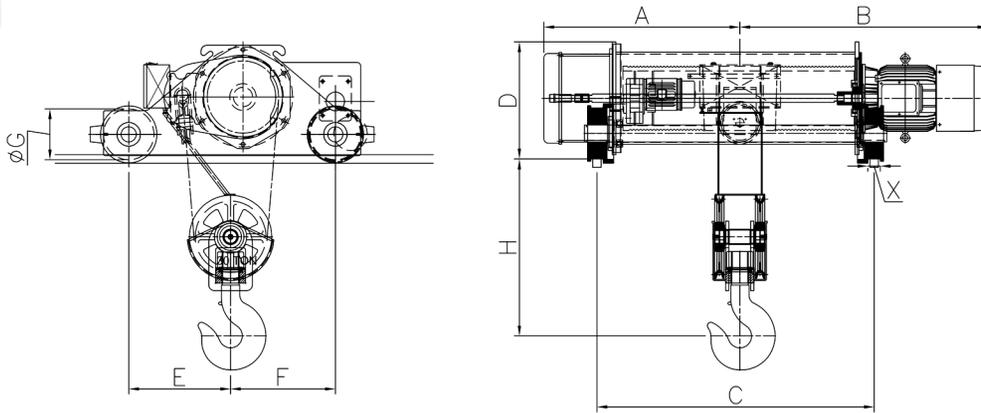
Type		5RSN-DTC	10RSN-DTC	15RSN-DTC	20RSN-DTC	30RSN-DTC	
Capacity (Ton)		5	10	15	20	30	
Lift (M)		6、8、12					
Hoist Speed (M/min)	50HZ	3/0.5	3/0.3	3/0.3	2.3/0.23	2.1/0.21	
	60HZ	3.6/0.66	3.6/0.36	3.6/0.36	2.8/0.28	2.5/0.25	
Hoist Motor (Kw)		3.75/0.75	7.5/0.75	11/1.5	11/1.5	18.5/2.2	
Trolley Speed (M/min)	50HZ	14/4.6	15/5		12/4		
	60HZ	17/5.6	18/6		15/5		
Trolley Motor (Kw)		0.75/0.25	1.5/0.5	1.5/0.5	2.2/0.75	2.2/0.75	
Hoisting Speed Ratio		6 : 1			10 : 1		
Dia. Of Rope (mm)		Φ12	Φ16	Φ18	Φ20	Φ25	
Reeving Type		4/1					
Approximate Dimensions (mm)	A	6M	530	625	750	780	910
		8M	580	675	825	855	985
	B	6M	1050	1115	1240	1270	1410
		8M	1130	1165	1315	1340	1485
	C	6M	750	900	950	1000	1100
		8M	850	1000	1100	1150	1250
	D	450	500	580	580	700	
	E	430	450	625	650	850	
	F	470	550	610	610	650	
	ΦG	150	200	220	250	285	
	H	700	900	1000	1050	1150	
	Φd	75	100	120	140	140	
X	44	52	58	58	75		
Net Weight (Kg)	6M	430	800	1250	1300	1900	
	8M	470	890	1320	1500	2200	



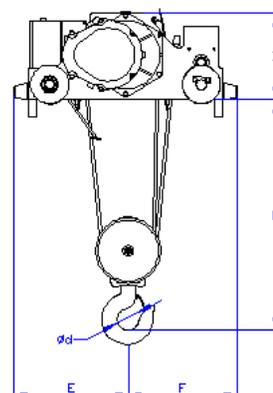
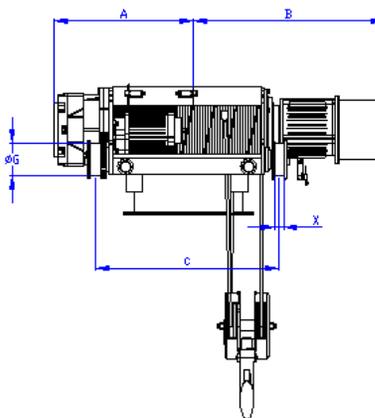
Type		2.8RF-DT	3RF-DT	5RE-DT	5RF-DT	7.5RF-DT	10RF-DT				
Capacity (Ton)		2.8	3	5	5	7.5	10				
Lift (M)		6、8、12									
Hoist Speed (M/min)	50HZ	5.3	5.3	4.4	6	4.2	4.3				
	60HZ	6.3	6.3	5.3	7.2	5	5.2				
Hoist Motor (Kw)		3.75	3.75	5.5	7.5	7.5	11				
Trolley Speed (M/min)	50HZ	14					15				
	60HZ	17					18				
Trolley Motor (Kw)		0.37	0.37	0.75	0.75	1.5					
Dia. Of Rope (mm)		$\Phi 12$	$\Phi 10$	$\Phi 12$	$\Phi 10$	$\Phi 10$	$\Phi 16$				
Reeving Type		2/1	4/2	2/1	4/2	4/2	4/2				
Approximate Dimensions (mm)	A	6M	455	530	455	530	570	490	570	625	725
		8M	455	580	455	580	625	490	625	675	775
		12M	530	710	530	710	725	570	725	805	910
	B	6M	625	700	705	780	870	790	870	930	1020
		8M	625	700	705	830	930	790	930	980	1070
		12M	700	880	780	960	1030	870	1030	1105	1205
	C	6M	600	750	600	750	750	600	750	850	900
		8M	600	850	600	850	850	600	850	950	1000
		12M	750	1100	750	1100	1050	750	1050	1250	1250
	D	415	415	480	500	550					
	E	380	380	440	430	490					
	F	430	430	460	500	610					
	$\phi G$	120	120	150	180	200					
H	630	630	750	720	830						
$\phi d$	60	60	75	85	100						
X	44	44	44	52	52						
Net Weight (Kg)	6M	300	330	330	330	520	480	520	650	850	
	8M	310	350	310	350	560	490	560	700	900	
	12M	330	380	330	380	620	520	620	800	1000	

# RF-DT

## Double Rail Rope Hoist ( Single Speed ) (15~30 Ton)



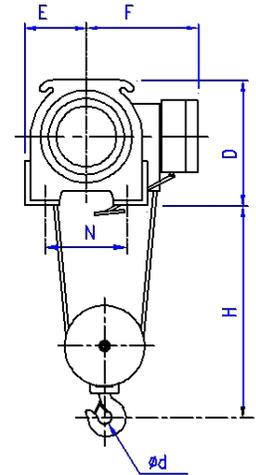
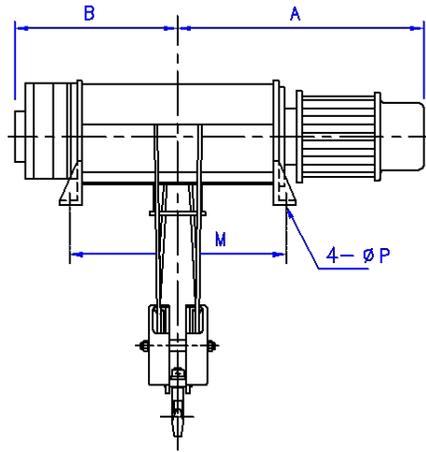
Type		15RF-DT	20RF-DT	25RF-DT	30RF-DT		
Capacity (Ton)		15	20	25	30		
Lift (M)				9 、 12	9 、 12	12	
Hoist Speed (M/min)	50HZ	4.2	3.5	3	3.1	2.3	
	60HZ	5	4.2	3.6	3.7	2.8	
Hoist Motor (Kw)		15	18.5	18.5	22.5	22.5	
Trolley Speed (M/min)	50HZ	12					
	60HZ	15					
Trolley Motor (Kw)		1.5	2.2	2.2	2.2	1.1 x 2	
Dia. Of Rope (mm)		Φ18	Φ20	Φ22	Φ25	Φ20	
Reeving Type		4/2					
Approximate Dimensions (mm)	A	6M	800	820	*	*	*
		8M	855	880	(9M) 969	(9M) 969	*
		12M	980	1030	1054	1167	1038
	B	6M	1060	1090	*	*	*
		8M	1115	1140	(9M) 1329	(9M) 1279	*
		12M	1220	1290	1414	1475	1705
	C	6M	950	950	*	*	*
		8M	1050	1000	(9M) 1305	(9M) 1454	*
		12M	1250	1250	1475	1650	1780
	D		680	680	690	690	1000
	E		575	575	606	606	1130
	F		715	715	624	624	670
	ΦG		220	250	250	300	300
	H		920	1050	1044	1044	1384
Φd		120	140	140	140	140	
X		58	58	75	75	75	
Net Weight (Kg)	6M	1100	1350	*	*	*	
	8M	1160	1430	*	*	*	
	12M	1280	1550	*	*	*	



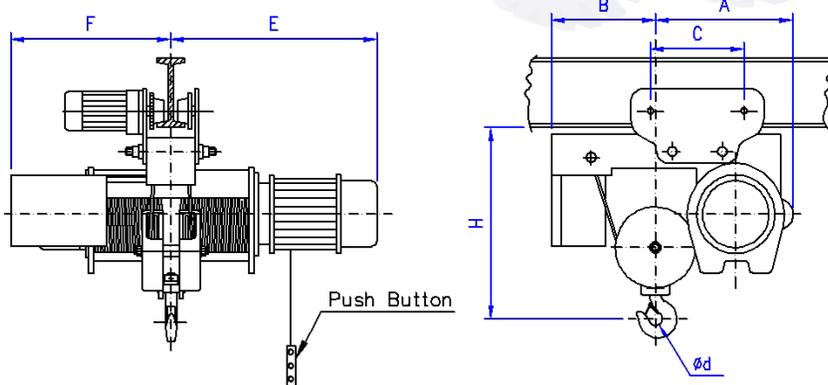
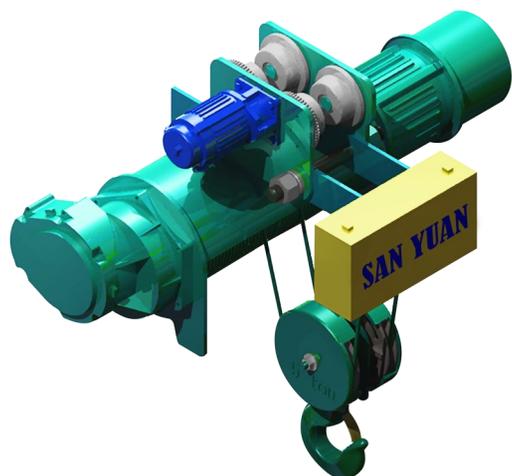
Type		2.8RS-DT	3RS-DT	5RS-DT	5RSL-DT	10RS-DT	10RS2-DT	15RS-DT	20RS-DT	30RS-DT	
Capacity (Ton)		2.8	3	5	5	10	10	15	20	30	
Lift (M)		6、8									
Hoist Speed (M/min)	50HZ	3.2	3.2	3.3	4.8	3	4.3	3	2.3	2.1	
	60HZ	3.8	3.8	3.9	5.7	3.6	5.2	3.6	2.8	2.5	
Hoist Motor (Kw)		2.2	2.2	3.75	5.5	7.5	11	11	11	18.5	
Trolley Speed (M/min)	50HZ	14			15			12			
	60HZ	17			18			15			
Trolley Motor (Kw)		0.37	0.37	0.75	0.75	1.5	1.5	1.5	2.2	2.2	
Dia. Of Rope (mm)		Φ12	Φ12	Φ12	Φ12	Φ16	Φ16	Φ18	Φ20	Φ25	
Reeving Type		2/1	2/1	4/1	4/1	4/1	4/1	4/1	4/1	4/1	
Approximate Dimensions (mm)	A	6M	455	455	530	530	625	*	750	780	910
		8M	480	480	580	580	675	*	825	855	985
	B	6M	630	630	780	780	925	*	1050	1080	1150
		8M	655	655	830	830	975	*	1130	1180	1225
	C	6M	600	600	750	750	900	*	950	1000	1100
		8M	650	650	850	850	1000	1200	1100	1150	1250
	D	415	415	450	450	500	431	580	580	700	
	E	380	380	430	430	450	603	625	650	850	
	F	430	430	470	470	550	538	610	610	650	
	ΦG	120	120	150	150	200	200	220	250	285	
	H	700	700	700	700	900	*	1000	1050	1150	
	Φd	60	60	75	75	100	100	120	140	140	
X	44	44	44	44	52	52	58	58	75		
Net Weight (Kg)	6M	280	280	370	370	710	*	1180	1500	1750	
	8M	300	300	415	415	750	*	1280	1400	2000	

# RF-D

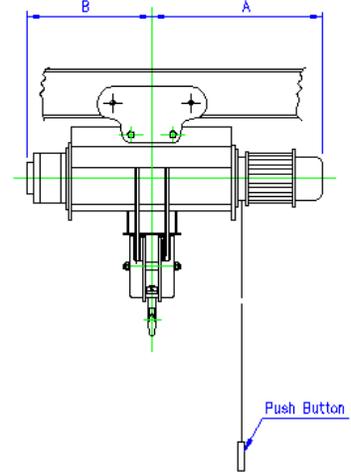
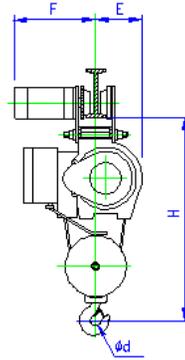
## Foot - Mounted Wire Rope Hoist (1~5 Ton)



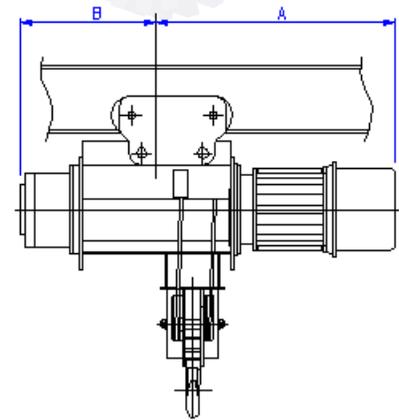
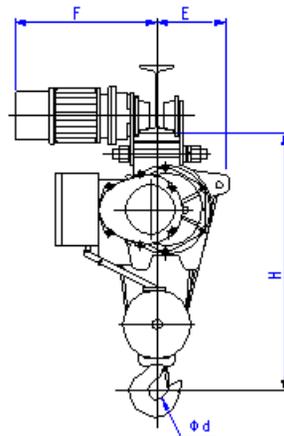
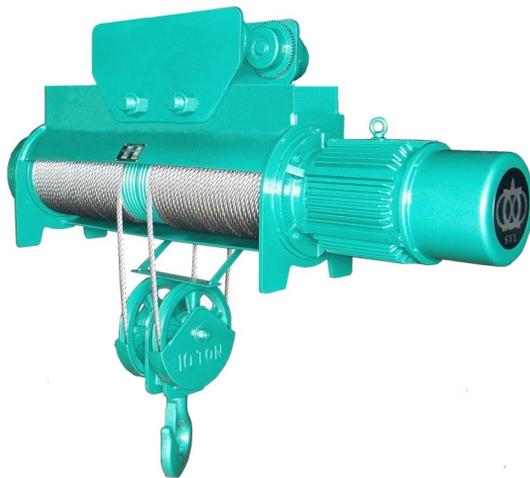
Type	1RF-D	2RF-D		2.8RF-D		3RF-D		5RF-D			
Capacity (Ton)	1	2		2.8		3		5			
Lift (M)	6、8、12										
Hoist Speed (M/min)	50HZ	7	6.3		5.3		5.3		6		
	60HZ	8.4	7.5		6.3		6.3		7.2		
Hoist Motor (Kw)	1.5	3.75		3.75		3.75		7.5			
Dia. Of Rope (mm)	Φ8	Φ10	Φ8	Φ12	Φ10	Φ12	Φ10	Φ16	Φ12		
Reeving Type	2/1	2/1	4/2	2/1	4/2	2/1	4/2	2/1	4/2		
Approximate Dimensions (mm)	A	6M	490	570	640	590	700	670	780	790	870
		8M	560	605	700	620	750	700	830	790	930
		12M	605	675	880	700	880	780	960	870	1030
	B	6M	244	290	425	420	530	420	530	490	570
		8M	294	330	485	455	580	455	580	490	625
		12M	355	400	615	530	705	530	705	570	725
	Φd	36	40		60		75				
	D	320	340	340	385	385	385	385	455	455	
	E	160	185	185	215	215	215	215	250	250	
	F	320	340	320	370	340	370	340	410	410	
	H	500	560	480	660	560	660	560	800	660	
	M	6M	372	382	650	440	660	440	660	520	680
		8M	472	462	730	512	766	512	766	520	790
		12M	595	595	582	660	1016	660	1016	680	990
	N	200	200	200	232	232	232	232	296	296	
P	14	14	14	17	17	17	17	17	17		
Net Weight (Kg)	6M	100	155	185	225	260	225	260	420	480	
	8M	105	160	210	235	290	235	290	430	500	
	12M	120	178	260	253	350	253	350	470	540	



Type		1RF-LT	2RF-LT	2.8RF-LT	3RF-LT	5RF-LT	7.5RF-LT	10RF-LT	
Capacity (Ton)		1	2	2.8	3	5	7.5	10	
Lift (M)		6、8							
Hoist Speed (M/min)	50HZ	7	6.3	5.3	5.3	6	4.2	4.3	
	60HZ	8.4	7.5	6.3	6.3	7.2	5	5.2	
Hoist Motor (Kw)		1.5	3.7	3.7	3.7	7.5	7.5	11	
Trolley Speed (M/min)	50HZ	17				14			
	60HZ	20				17			
Trolley Motor (Kw)		0.37	0.37	0.37	0.37	0.75	1.1	1.5	
Dia. Of Rope (mm)		Φ6	Φ8	Φ10	Φ10	Φ12	Φ14	Φ16	
Reeving Type		4/2							
Approximate Dimensions (mm)	E	6M	595	655	780	780	870	920	995
		8M	635	700	830	830	920	970	1045
	F	6M	345	400	530	530	560	610	725
		8M	385	445	580	580	610	660	775
	C		300	360	360	360	420	420	420
	Φd		37	40	60	60	75	85	100
	A		370	420	530	530	620	635	770
	B		200	250	340	340	340	380	425
H		550	670	750	850	850	950	1100	
Suitable Beam Width		125~150				150~190	150~190		
Net Weight (Kg)	6M	130	210	275	275	490	540	820	
	8M	145	230	300	300	540	590	930	



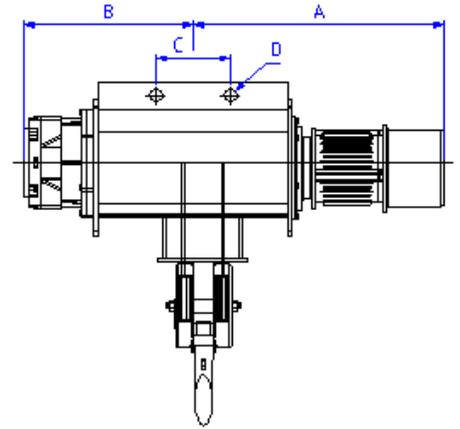
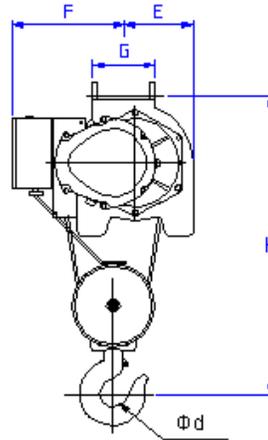
Type		1RF-MT	2RF-MT	2.8RF-MT		3RF-MT		5RF-MT		7.5RF-MT	10RF-MT	15RF-MT	20RF-MT	
Capacity (Ton)		1	2	2.8		3		5		7.5	10	15	20	
Lift (M)		6、8、12												
Hoist Speed (M/min)	50HZ	7	6.3	5.3		5.3		6		4.2	4.3	4.2	3.5	
	60HZ	8.4	7.5	6.3		6.3		7.2		5	5.2	5	4.2	
Hoist Motor (Kw)		1.5	3.75	3.75		3.75		7.5		7.5	11	15	18.5	
Trolley Speed (M/min)	50HZ	17								14		12		
	60HZ	20								17		15		
Trolley Motor (Kw)		0.37	0.37	0.37		0.37		0.75		0.75	1.5	1.5	1.5x2	
Dia. Of Rope (mm)		Φ8	Φ10	Φ12	Φ10	Φ12	Φ10	Φ16	Φ12	Φ14	Φ16	Φ18	Φ20	
Reeving Type		2/1	2/1	2/1	4/2	2/1	4/2	2/1	4/2	4/2	4/2	4/2	4/2	
Approximate Dimensions (mm)	A	6M	490	570	590	700	670	780	790	870	927	1000	1060	1100
		8M	560	605	620	750	700	830	790	930	977	1050	1100	1250
		12M	605	675	700	880	780	960	870	1030	1110	1200	1210	1290
	B	6M	244	290	420	530	420	530	490	570	630	730	810	850
		8M	294	330	455	580	455	580	490	620	680	780	850	900
		12M	355	400	530	705	530	705	570	725	860	915	960	1040
	E	160	185	215	215	215	215	250	250	250	250	300	357	390
	F	410	410	460		460		490		510	620	640	640	
	H	760	910	1100		1100		1350		1200	1350	1700	1750	
Φd	38	40	60		60		75		85	100	120	140		
Suitable Beam Width (mm)		100~150						150~190						
Min. Radius Of Beam		1.8	2	2		2		2		3	*	*	*	
Net Weight (Kg)	6M	132	200	266	300	266	300	470	530	600	940	1000	1250	
	8M	138	210	275	320	275	320	480	560	650	900	1100	1220	
	12M	147	222	290	360	290	360	520	620	670	1020	1080	1330	



Type		2.8RS-MT	3RS-MT	5RS-MT	5RSL-MT	10RS-MT	15RS-MT	20RS-MT	30RS-MT	
Capacity (Ton)		2.8	3	5	5	10	15	20	30	
Lift (M)		6、8								
Hoist Speed (M/min)	50HZ	3.2	3.2	3.3	4.8	3	3	2.3	2.1	
	60HZ	3.8	3.8	3.9	5.7	3.6	3.6	2.8	2.5	
Hoist Motor (Kw)		2.2	2.2	3.75	5.5	7.5	11	11	18.5	
Trolley Speed (M/min)	50HZ	17		14		12				
	60HZ	20		17		15				
Trolley Motor (Kw)		0.37	0.37	0.75	0.75	1.5	0.75x2	1.5x2	1.5x2	
Dia. Of Rope (mm)		Φ12	Φ12	Φ12	Φ12	Φ16	Φ18	Φ20	Φ25	
Reeving Type		2/1	2/1	4/1	4/1	4/1	4/1	4/1	4/1	
Approximate Dimensions (mm)	A	6M	590	590	780	780	880	1005	1005	1150
		8M	630	630	830	830	930	1055	1055	1250
	B	6M	420	420	530	530	580	730	730	910
		8M	455	460	580	580	630	780	780	985
	E	190	190	265	265	300	330	330	390	
	F	460	460	490	490	620	640	640	640	
	H	850	850	1050	1050	1200	1600	1660	1800	
	Φd	60	60	75	75	100	120	140	140	
Suitable Beam Width		100~150		150~175	150~175	150~190		*	*	
Min. Radius Of Beam		2	2	3	3	*	*	*	*	
Net Weight (Kg)	6M	230	230	310	310	680	830	1020	1070	
	8M	260	260	325	325	780	980	1200	1300	

# RF-M

## Suspended Type Wire Rope Hoist (1~15 Ton)



Type		1RF-M	2RF-M	2.8RF-M	3RF-M	5RF-M	7.5RF-M	10RF-M	15RF-M	
Capacity (Ton)		1	2	2.8	3	5	7.5	10	15	
Lift (M)		6、8、12								
Hoist Speed (M/min)	50HZ	7	6.3	5.3	5.3	6	4.2	4.3	4.2	
	60HZ	8.4	7.5	6.3	6.3	7.2	5	5.2	5	
Hoist Motor (Kw)		1.5	3.75	3.75	3.75	7.5	7.5	11	15	
Dia. Of Rope (mm)		Φ8	Φ10	Φ12	Φ12	Φ16	Φ14	Φ16	Φ18	
Reeving Type		2/1					4/2			
Approximate Dimensions (mm)	A	6M	490	634	654	654	790	930	1005	*
		8M	560	679	704	704	790	980	1055	1145
		12M	605	740	764	764	870	1080	1250	1275
	B	6M	244	289	412	412	490	625	762	*
		8M	294	334	462	462	490	675	773	870
		12M	355	395	522	522	570	775	913	1000
	Φd	36	40	60			75	85	100	120
	C	200	200	200	200	270	300	350	380	
	ΦD	26	36	36	36	46	46	51	71	
	E	160	185	200	200	250	250	300	357	
	F	310	343	343	343	410	410	520	635	
	G	140	140	165	165	195	200	200	220	
H	680	830	1080	1080	1260	1120	1250	1600		
Net Weight (Kg)	6M	100	154	220	220	415	530	750	*	
	8M	107	162	230	230	420	555	825	980	
	12M	120	176	260	260	465	600	950	1150	

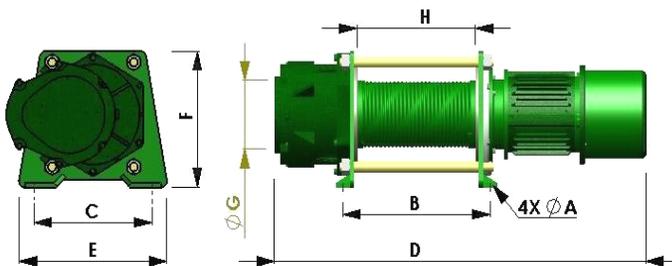
Hoisting motor – available with various voltages and insulation classification. For operator safety, low voltage control is standard.

AC Hoisting Brake – disc brake having the braking torque >150% rated torque of motor . The brake is holden even if power failure - ensuring the load is always stopped when the control button is released.

The safety factor is 5 times or more under the consideration of sheave efficiency. Standard wire is 6xSes(37) +FC for a long service life.

Helical gear - Since gear is made of SNCM220 and S45C and is treated with induction hardening, the surface is hard ( 50HR ~ 60HR) and inside is elastic. Gears are smoothly operated for an oil bath lubrication and superior to a wear and abrasion resistance.

Fine machining of the drum grooves minimizes wear on the rope, the return sheaves are resistance to wear.

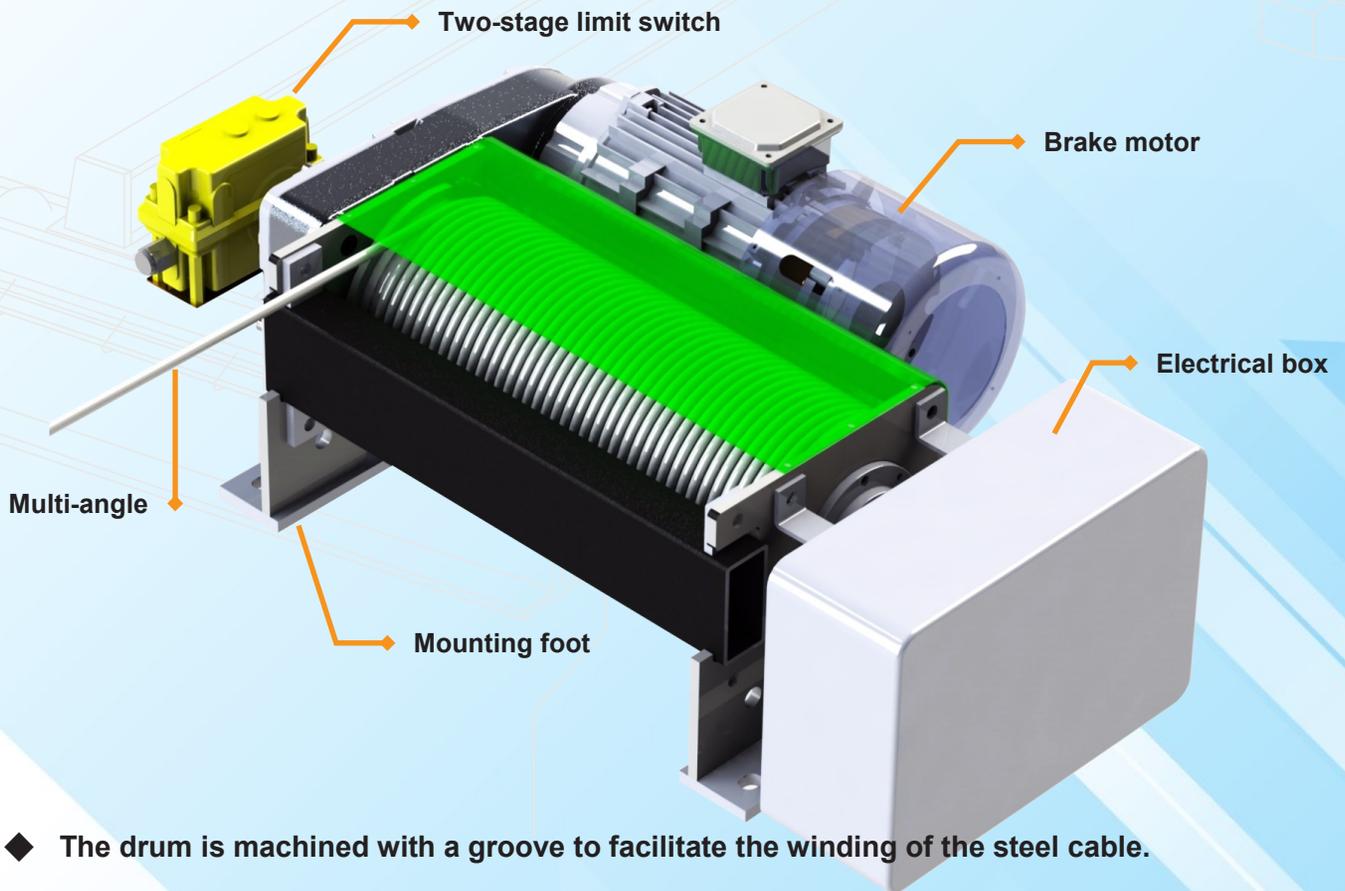


Order Code		1WF	2WF	3WF	5WF	10WF
Capacity (KN)		10	20	30	50	100
Lifting Speed (M/min)	50 HZ	8.6 ~ 10.5	9 ~ 11.3	8.8 ~ 11.1	8.8 ~ 10.7	6 ~ 7.5
	60 HZ	10.3 ~ 12.5	10.8 ~ 13.5	10.5~13.3	10.5~12.8	7.2 ~ 9
Hoisting Motor (Kw)		2.2	5.5	7.5	11	18.5
Dia. Of Rope (mm)		10	12	16	20	28
Full Storage (m)		100	100	100	120	120
Power Supply		3Φ220/380/415/440/460V 50/60Hz				
Control Mode		IP 65 Pendant Push Button				
Approximate Dimensions (mm)	A	4 x Φ17	4 x Φ17	4 x Φ22	4 x Φ28	4 x Φ28
	B	500	500	620	750	850
	C	400	420	500	600	700
	D	1230	1230	1360	1700	1900
	E	500	520	650	750	900
	F	510	550	680	800	900
	ΦG	192	216	278	324	466
	H	400	400	500	600	700

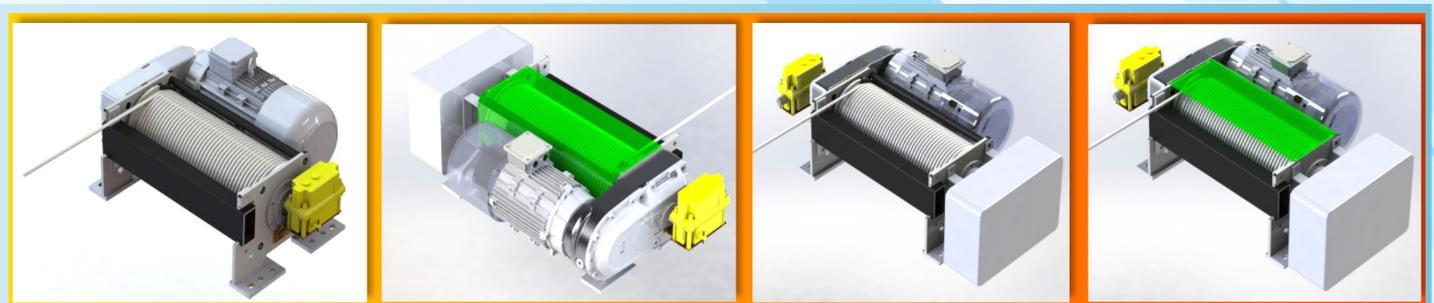
**Option**

- Tube Axial Fan** – controlled by timer , especially suitable for use in hot location & frequency hoisting demand.
- Two Hoist Speed Control** – Twin motor mechanism with 10:1 or 6:1 speed ratio. For even smoother acceleration and infinitely variable speed control, a frequency controller is available for all mode.
- PTC thermistor temperature sensors** – It can monitor or protect the motor temperature condition.
- Higher protection class motor and electronic box, like **IP65.IP55.IP54...**etc.
- Radio remote control system** – Portable Transmitter & Radio receiver .
- Pressure Roller**- It is helpful to storage rope on drum regularly.
- Rope Guider**- The excellent way to storage rope on drum regularly.
- Lifting Hook** – It can rotate 360 degree and safety factor > 5.

# INDUSTRIAL WINCH E3W

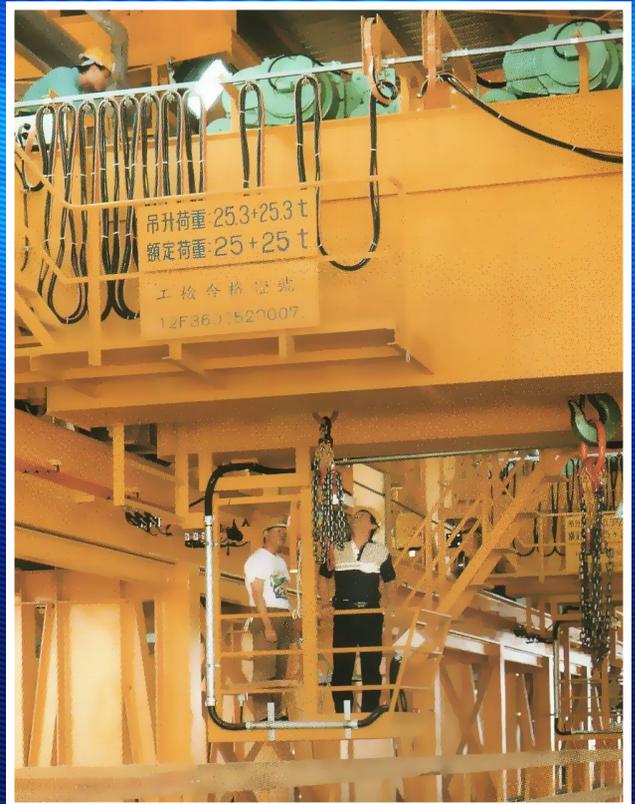


- ◆ The drum is machined with a groove to facilitate the winding of the steel cable.
- ◆ The braking torque value is 1.5 times or more.
- ◆ High starting torque motor with low starting current and temperature rise resistance.
- ◆ The oil bath gearbox is equipped with a grinding gear set for long silent life.
- ◆ Safe power-off brake device - When the power is off, the brakes are activated immediately to ensure safety.
- ◆ The cable has a safety factor of more than 5, which is especially suitable for sinking, cranes, cranes and construction.
- ◆ Limit switches are available as an option.



- ▶ **ELECTRIC HOIST**
- ▶ **OVERHEAD CRANE**
- ▶ **GEAR MOTOR & INVERTER**

- ▶ **INDUSTRIAL GRADE RADIO**
- REMOTE CONTROLLER**
- ▶ **POWER TRANSMISSION**
- FOR MOVING EQUIPMENTS**



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