Nidec

All for dreams

KINETEK
ELEVATOR COMPONENTS SOLUTIONS

TABLE OF CONTENTS

MOTION CONTROL ENGINEERING, MCE (1983)

California, USA

IMPERIAL ELECTRIC (1908)

Ohio, USA

KINETEK DE SHENG MOTOR, KDS (1960)

Foshan, Guangdong Province, South China Base

NIDEC KINETEK ELEVATOR TECHNOLOGY CORPORATION (2007)

Wuxi, Jiangsu Province, East China Base

Kinetek companies have a 100-year track record of providing the highest quality, most reliable, most advanced motors, controls and motion systems available in the marketplace. We trace our roots to 1908 with the founding of Imperial Electric. Kinetek companies hold market leading positions in the elevator marketplace and many other commercial and industrial segments.

With innovative engineering design and a global manufacturing footprint, Kinetek meets the requirements of the most sophisticated customers in the world. In China, Kinetek operates four manufacturing facilities — annually producing thousands of motors, machines, gearing, shafts and controls for domestic and international customers. In 2012 we became part of Nidec Group, a global leader in the design and production of electric motors and related electronics components. The Nidec Group includes more than 100 manufacturing and sales locations in 25 countries, and employs more than 107,000.

Kinetek provides a single source for machine room and machine room-less elevator applications — from controllers and machines to components and complete packages. In China, you know us as Kinetek De Sheng Motor (KDS, Foshan) and Nidec Kinetek Elevator Technology (Wuxi). We're part of the same family of companies that include U.S. elevator control leader, Motion Control Engineering, and motor and machine leader, Imperial Electric Company. We meet the demanding requirements of independent elevator contractors and global customers like Otis, KONE, ThyssenKrupp, Schindler, Fujitec, Johnson Lifts, Mitsubishi and Hitachi.

KDS provides Kinetek with a strong China base for the design, manufacture and sale of products for domestic and international markets. Located in Foshan City, Guangdong province, PRC, KDS manufactures products for elevator, escalator, battery-powered vehicles, hoists and other industries. Since its founding in 2002, KDS has gained trust and support from customers and has become an influential brand in many industries.

KINETEK MACHINE SOLUTIONS

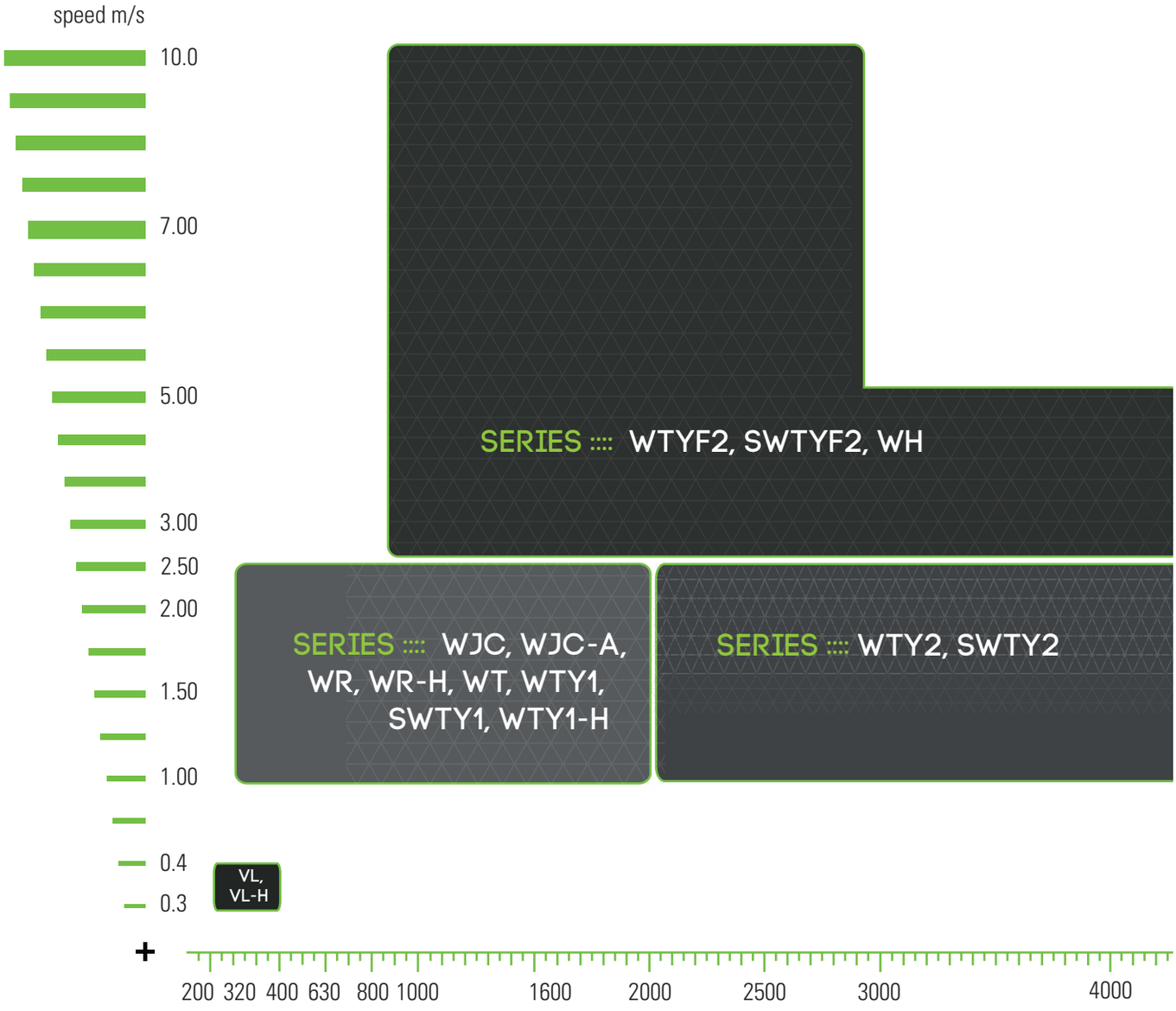
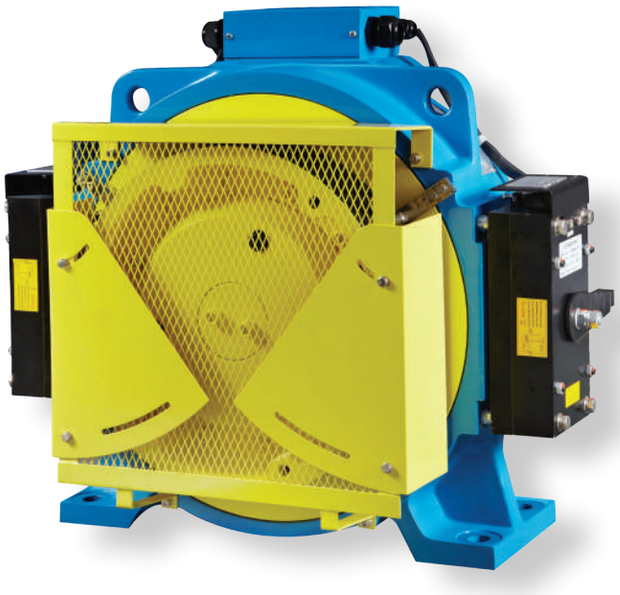


TABLE :::: PRODUCT SERIES LISTED BY SPEED & CAPACITY

Series	| Speed (m/s)	| Capacity (kg)
VL	0.3 - 0.4	200 - 400
VL-H	0.3 - 0.4	200 - 400
WJC	1.0 - 2.5	320 - 1250
WJC -A	1.0 - 2.5	800 - 1000, 1600
WR (2:1)	1.0 - 1.75	1250 - 2000
WR (1:1)	1.0 - 1.75	630 - 1000
WR-H	1.0 - 1.75	450 - 1275
WT	1.0 - 1.75	630 - 1600
WTY1	1.0 - 2.5	320 - 2000
SWTY1	1.0 - 2.5	320 - 1150
WTY1-H	1.0 - 2.5	630 - 1600
WTY2	1.0 - 2.5	1600 - 4000
SWTY2	1.0 - 2.5	1000 - 2000
WTYF2	3.0 - 4.0	1000 - 4000
SWTYF2	3.0 - 8.0	1000 - 2000
WH (2:1)	3.0 - 5.0	4500 - 6000
WH (1:1)	4.0 - 10.0	2500 - 3000



Capacity: 320 kg - 1250 kg

Roping: 2:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 330 mm; 400 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

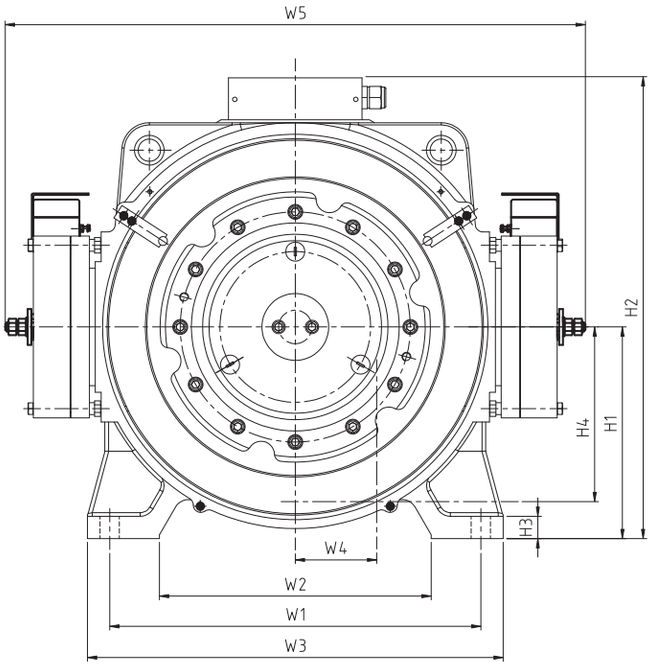
Protection Rating: IP40

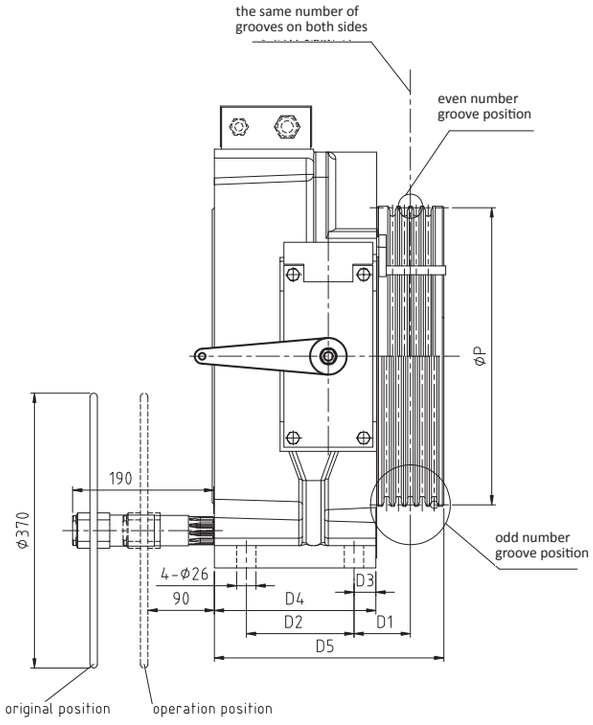
Insulation Class: F

Poles: 20

Block Brake

Picking/Holding Voltage: DC200V





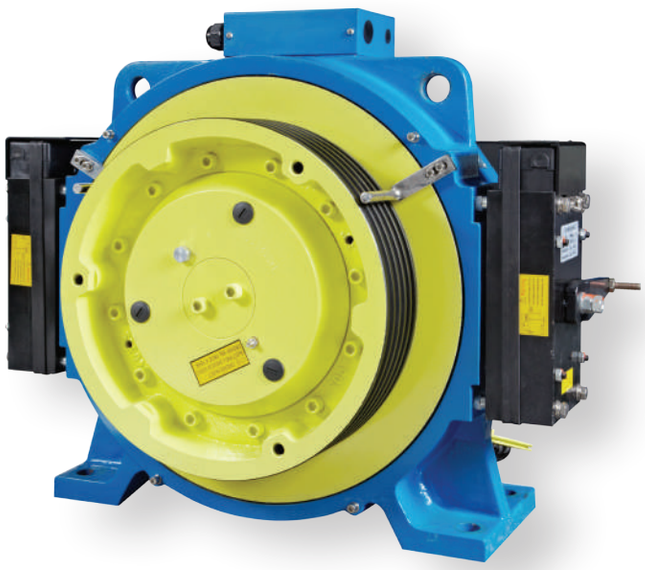
WJC SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WJC-320-100	320	1.0	2.1	6.5	116	19.3	330	175	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WJC-450-100	450	1.0	3.0	8.5	116	19.3	330	247	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WJC-450-150	450	1.5	4.5	13.0	174	28.9	330	247	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WJC-450-160	450	1.6	4.8	13.0	185	30.8	330	247	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WJC-450-175	450	1.75	5.3	13.0	203	33.8	330	247	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WJC-630-100	630	1.0	4.3	11.0	95	15.9	400	432	4–Φ10	16	β=95°	γ=30°	2:1	2,000	Y	Y	2.48	260
WJC-630-150	630	1.5	6.4	16.5	143	23.9	400	425	4–Φ10	16	β=95°	γ=30°	2:1	2,000	Y	Y	2.48	260
WJC-630-160	630	1.6	6.8	16.5	153	25.5	400	425	4–Φ10	16	β=95°	γ=30°	2:1	2,000	Y	Y	2.48	260
WJC-630-175	630	1.75	7.4	16.5	167	27.8	400	423	4–Φ10	16	β=95°	γ=30°	2:1	2,000	Y	Y	2.48	260
WJC-800-100	800	1.0	5.4	12.0	95	15.9	400	543	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	320
WJC-800-150	800	1.5	8.1	20.0	143	23.9	400	540	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	320
WJC-800-160	800	1.6	8.6	20.0	153	25.5	400	537	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	320
WJC-800-175	800	1.75	9.6	20.0	167	27.8	400	549	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	320
WJC-800-200	800	2.0	11.0	25.0	191	31.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-800-250	800	2.5	13.8	30.0	239	39.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-1000-100	1,000	1.0	6.4	15.0	95	15.9	400	640	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-1000-150	1,000	1.5	10.0	26.0	143	23.9	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-1000-160	1,000	1.6	10.7	26.0	153	25.5	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-1000-175	1,000	1.75	11.7	26.0	167	27.8	400	669	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	320
WJC-1000-200	1,000	2.0	13.3	30.0	191	31.8	400	665	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	340
WJC-1000-250	1,000	2.5	16.6	36.0	239	39.8	400	665	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	340
WJC-1150-100	1,150	1.0	7.6	19.0	95	15.9	400	764	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1150-150	1,150	1.5	11.4	29.5	143	23.9	400	761	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1150-160	1,150	1.6	12.2	29.5	153	25.5	400	761	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1150-175	1,150	1.75	13.3	29.5	167	27.8	400	761	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1150-200	1,150	2.0	15.3	33.5	191	31.8	400	765	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1150-250	1,150	2.5	19.1	41.5	239	39.8	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1250-100	1,250	1.0	8.3	18.0	95	15.9	400	834	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1250-150	1,250	1.5	12.4	32.0	143	23.9	400	828	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1250-160	1,250	1.6	13.3	32.0	153	25.5	400	830	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370
WJC-1250-175	1,250	1.75	14.5	32.0	167	27.8	400	829	6–Φ10	16	β=95°	γ=30°	2:1	3,500	Y	Y	3.77	370

Notes:
1.The brake picking/holding voltage is DC200V. Voltage switch is not necessary.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Speed (m/s)	ΦP	D1	D2	D3	D4	D5	W1	W2	W3	W4	W5	H1	H2	H3	H4
320	1.0	330	57.5	146	25	210	275	390	260	460	148	640	220	477	30	176
450	1.0-1.75	330	57.5	146	25	210	275	390	260	460	148	640	220	477	30	176
630	1.0-1.75	400	68.5	130	30	190	265	462	350	530	118	724	242	554	29	204
800	1.0-2.5	400	76	145	29.5	217.5	310	500	366	560	110	782	285	622	30	235
1000	1.0-1.75	400	76	145	29.5	217.5	310	500	366	560	110	782	285	622	30	235
1000	2.0-2.5	400	84	145	26.5	239.5	350	500	366	560	110	782	285	622	30	235
1150	1.0-2.5	400	84	145	26.5	239.5	350	500	366	560	110	782	285	622	30	235
1250	1.0-1.75	400	84	145	26.5	239.5	350	500	366	560	110	782	285	622	30	235



Capacity: 800 kg - 1000 kg

Roping: 2:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 400 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

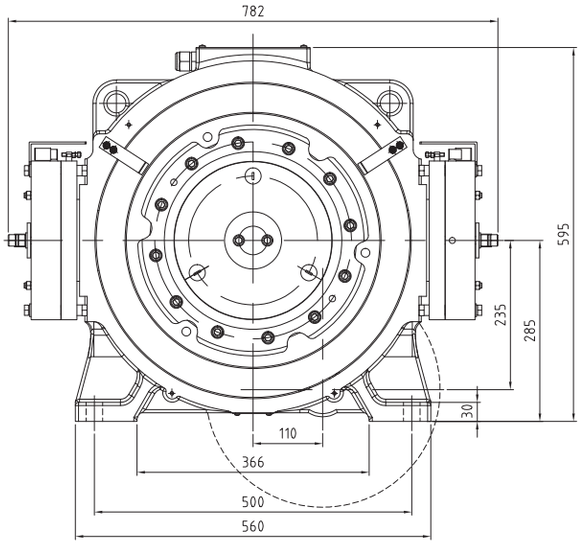
Protection Rating: IP40

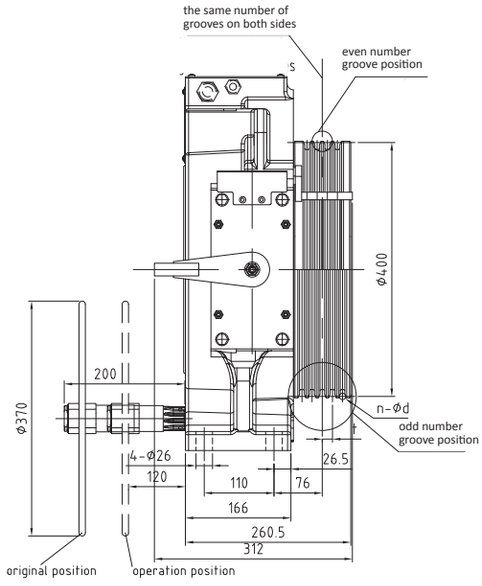
Insulation Class: F

Poles: 32

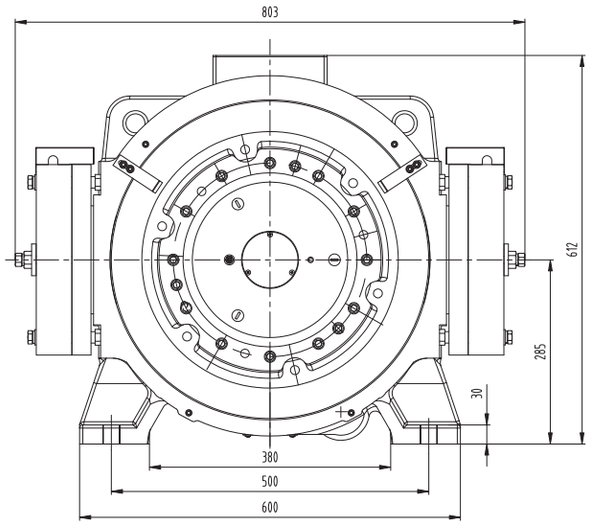
Block Brake

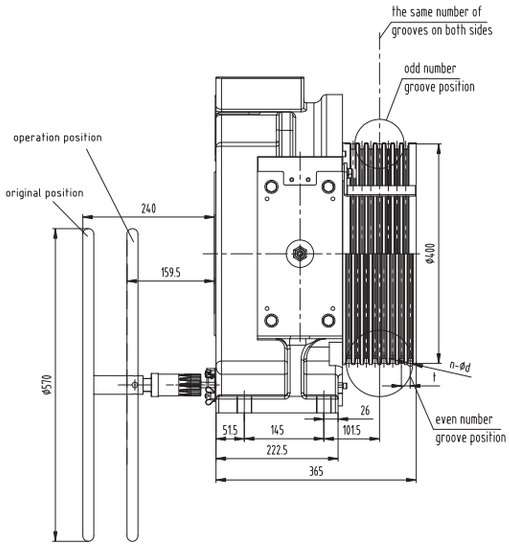
Picking/Holding Voltage:DC200V





Capacity: 800 kg - 1000 kg





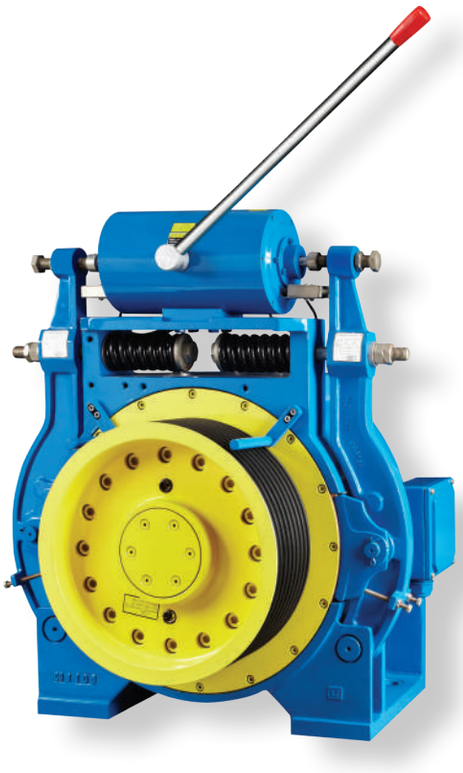
Capacity: 1600 kg

WJC-A SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WJC-800-100-A	800	1.0	5.4	12.5	95	25.3	400	543	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	305
WJC-800-150-A	800	1.5	8.1	22.0	143	38.1	400	540	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	305
WJC-800-160-A	800	1.6	8.6	22.0	153	40.8	400	537	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	305
WJC-800-175-A	800	1.75	9.6	22.0	167	44.5	400	549	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	305
WJC-800-200-A	800	2.0	11.0	26.5	191	50.9	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-800-250-A	800	2.5	13.8	32.5	239	63.7	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-1000-100-A	1,000	1.0	6.4	15.0	95	25.3	400	640	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-1000-150-A	1,000	1.5	10.0	24.0	143	38.1	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-1000-160-A	1,000	1.6	10.7	27.5	153	40.8	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-1000-175-A	1,000	1.75	11.7	27.5	167	44.5	400	669	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.80	310
WJC-1600-100-A	1,600	1.0	10.6	25.0	95	25.3	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480
WJC-1600-150-A	1,600	1.5	15.9	40.0	143	38.1	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480
WJC-1600-160-A	1,600	1.6	17.1	40.0	153	40.8	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480
WJC-1600-175-A	1,600	1.75	18.6	40.0	167	44.5	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480
WJC-1600-200-A	1,600	2.0	21.3	50.0	191	50.9	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480
WJC-1600-250-A	1,600	2.5	26.6	62.5	239	63.7	400	1064	8-Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	6.65	480

Notes:
1. The brake picking/holding voltage is DC200V. Voltage switch is not necessary.

WTY1/SWTY1 (400MM SHEAVE) SERIES MACHINES



Capacity: 320 kg – 1600 kg | 320 kg - 800 kg

Roping: 2:1 | 1:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 330 mm; 400 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

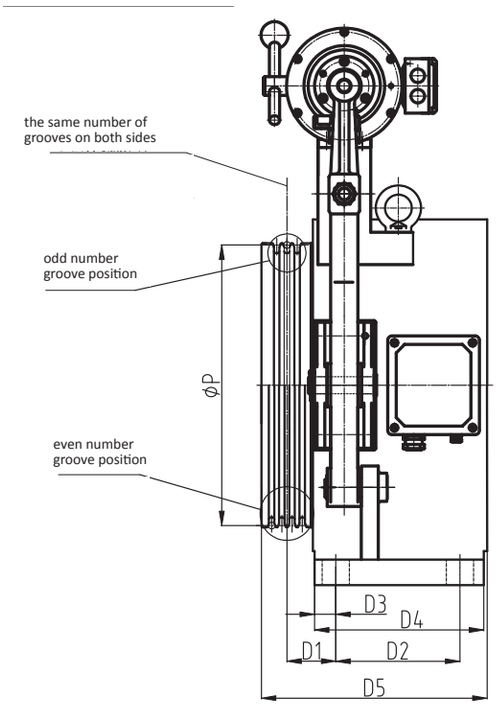
Protection Rating: IP40

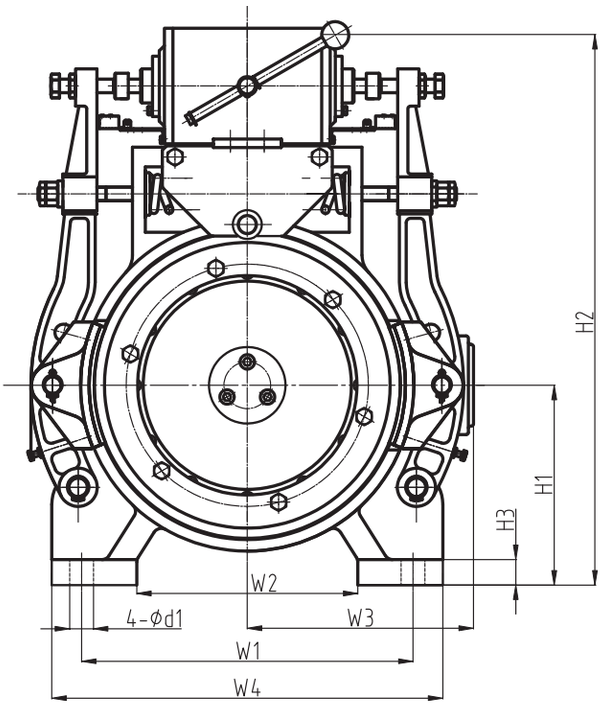
Insulation Class: F

Poles: 20

Drum Brake

Brake Voltage: AC220V





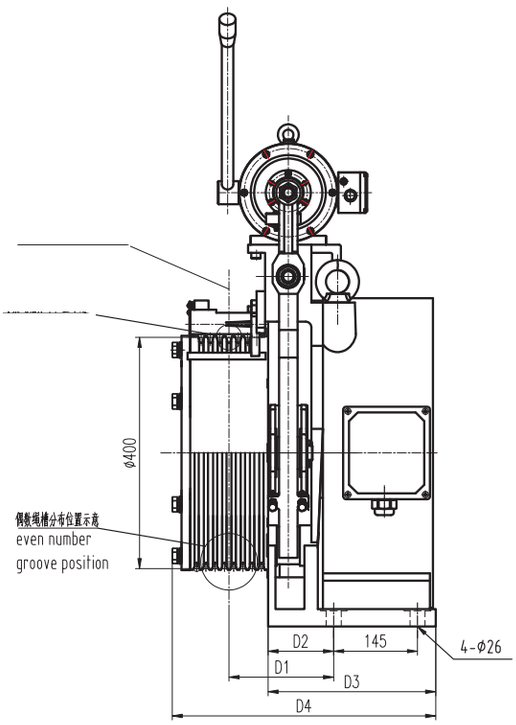
WTY1 & SWTY1 (400MM SHEAVE) SERIES - SINGLE WRAP (EXTERNAL ROTOR)

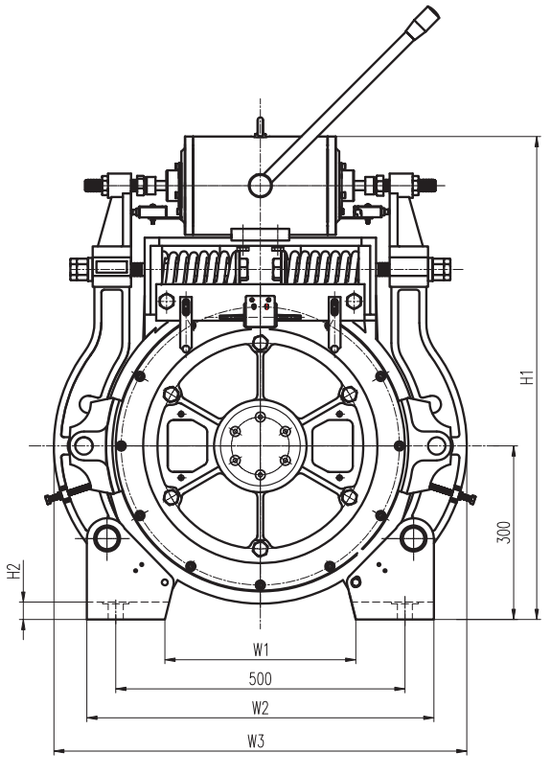
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTY1-320-100	320	1.0	2.2	7.0	116	19.3	330	180	3–Φ8	12	β=90°	γ=30°	2:1	900	Y	Y	1.50	155
WTY1-400-100-V	400	1.0	2.7	8.0	116	19.3	330	225	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WTY1-400-160-V	400	1.6	4.4	12.0	185	30.9	330	225	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WTY1-450-100-V	450	1.0	3.0	8.5	116	19.3	330	250	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WTY1-450-160-V	450	1.6	4.8	13.0	185	30.9	330	250	4–Φ8	12	β=90°	γ=30°	2:1	1,500	Y	Y	1.92	220
WTY1-630-100	630	1.0	4.3	11.0	95	15.9	400	432	4–Φ8	12	β=90°	γ=30°	2:1	1,800	Y	Y	2.48	260
WTY1-630-150	630	1.5	6.4	16.5	143	23.9	400	425	4–Φ8	12	β=90°	γ=30°	2:1	1,800	Y	Y	2.48	260
WTY1-630-160	630	1.6	6.8	16.5	153	25.5	400	425	4–Φ8	12	β=90°	γ=30°	2:1	1,800	Y	Y	2.48	260
WTY1-630-175	630	1.75	7.4	16.5	167	27.9	400	423	4–Φ8	12	β=90°	γ=30°	2:1	1,800	Y	Y	2.48	260
WTY1-800-100-C	800	1.0	5.4	13.0	95	15.9	400	543	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	315
WTY1-800-150-C	800	1.5	8.1	20.0	143	23.9	400	541	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	315
WTY1-800-160-C	800	1.6	8.6	20.0	153	25.5	400	537	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	315
WTY1-800-175-C	800	1.75	9.6	20.0	167	27.8	400	549	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	315
WTY1-800-200-C	800	2.0	11	23.5	191	31.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	315
SWTY1-320-100	320	1.0	2.2	11.0	48	8.0	400	431	4–Φ8	12	β=90°	γ=30°	1:1	1,800	Y	Y	2.48	260
SWTY1-320-160	320	1.6	3.4	11.0	76	12.7	400	431	4–Φ8	12	β=90°	γ=30°	1:1	1,800	Y	Y	2.48	260
SWTY1-320-175	320	1.75	3.8	11.0	84	13.9	400	431	4–Φ8	12	β=90°	γ=30°	1:1	1,800	Y	Y	2.48	260

Notes:
1. Brake voltage is AC220V. For other brake voltage please consult engineers.
2. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	D5	W1	W2	W3	W4	H1	H2	H3	ΦP	Φd1
320	1.0	2:1	48.5	130	23.5	173	223	310	200	239	360	190	567	25	330	18
400	1.0-1.6	2:1	57.5	146	25	199	265.5	390	260	266	460	235	648	30	330	26
450	1.0-1.6	2:1	57.5	146	25	199	265.5	390	260	266	460	235	648	30	330	26
630	1.0-2.0	2:1	68.5	140	30	200	297	462	350	325	530	250	672.5	28	400	26
800	1.0-2.0	2:1	72.5	145	27.5	224	341.5	430	300	500	500	260	682.5	40	400	26
320	1.0-1.75	1:1	68.5	140	30	200	297	462	350	325	530	250	672.5	28	400	26





OUTLINE DRAWING DIMENSIONS

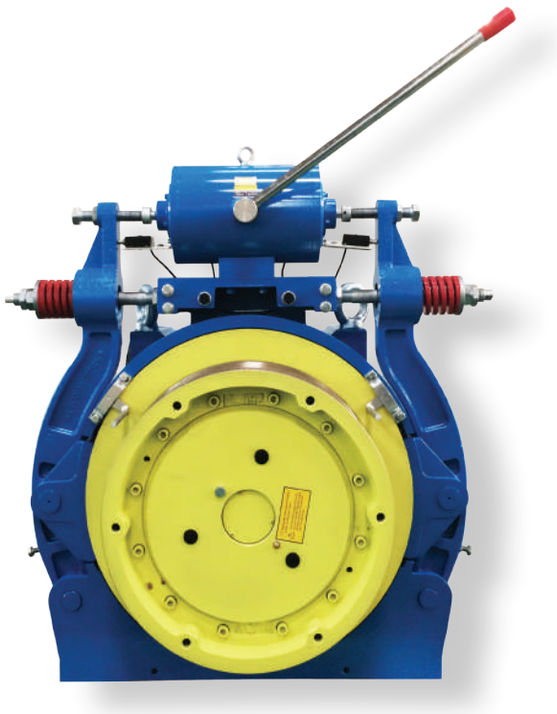
Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	W1	W2	W3	H1	H2
630	2.5	2:1	76	30	217	312	350	560	717	753	40
800	2.5	2:1	76	30	217	312	350	560	717	753	40
1000	1.0-1.75	2:1	76	30	217	312	350	560	717	753	40
1000	2.0-2.5	2:1	84	33	237	345	350	560	717	753	40
1150	1.0-2.5	2:1	84	33	237	345	350	560	717	753	40
1250	1.0-2.5	2:1	181	113	290	456	330	600	714	835	30
1350	1.0-2.5	2:1	181	113	290	456	330	600	714	835	30
1600	1.0-2.5	2:1	181	113	290	456	330	600	714	835	30
450	1.0-1.75	1:1	76	30	217	312	350	560	717	753	40
630	1.0-1.75	1:1	181	113	290	456	330	600	714	835	40
800	1.0-2.5	1:1	181	113	290	456	330	600	714	835	40

WTY1 & SWTY1 (400MM SHEAVE) SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity	Elevator Speed	Rated Output	Rated current	Rated speed	Frequency	Sheave Diameter	Torque	Ropes	Groove Dist.	Cut Angle	Groove Angle	Roping	Shaft Load	Handle Wheel	Remote Release	Inertia	Weight
	kg	m/s	kW	A	rpm	Hz	mm	Nm		mm				kg			kg m^2	kg
WTY1-630-250	630	2.5	10.9	24	239	39.8	400	435	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-800-250-C	800	2.5	13.8	28.5	239	39.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-100-C	1,000	1.0	6.4	15.0	95	15.9	400	640	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-150-C	1,000	1.5	10.0	24.0	143	23.9	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-160-C	1,000	1.6	10.7	24.0	153	25.5	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-175-C	1,000	1.75	11.7	24.0	167	27.8	400	669	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-200-C	1,000	2.0	13.4	28.5	191	31.8	400	670	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1000-250-C	1,000	2.5	17.0	35.0	239	39.8	400	680	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-100	1,150	1.0	7.6	19.0	95	15.9	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-150	1,150	1.5	11.4	28.0	143	23.9	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-160	1,150	1.6	12.2	28.0	153	25.5	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-175	1,150	1.75	13.3	28.0	167	27.8	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-200	1,150	2.0	16.0	32.0	191	31.8	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1150-250	1,150	2.5	20.0	40.0	239	39.8	400	763	6–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	410
WTY1-1250-100	1,250	1.0	8.5	18.0	95	15.9	400	850	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-150	1,250	1.5	12.7	27.0	143	23.9	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-160	1,250	1.6	13.5	27.0	153	25.5	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-175	1,250	1.75	14.8	29.0	167	27.8	400	846	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-200	1,250	2.0	17.0	35.0	191	31.8	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-250	1,250	2.5	22.0	44.0	239	39.8	400	880	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-100	1,350	1.0	9.3	24.0	95	15.9	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-150	1,350	1.5	14.0	34.0	143	23.9	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-160	1,350	1.6	14.9	34.0	153	25.5	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-175	1,350	1.75	16.3	35.0	167	27.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-200	1,350	2.0	18.7	47.5	191	31.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-250	1,350	2.5	23.4	53.0	239	39.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1600-100	1,600	1.0	11.0	25.0	95	15.9	400	1107	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-150	1,600	1.5	16.4	40.0	143	23.9	400	1093	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-160	1,600	1.6	17.5	40.0	153	25.5	400	1094	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-175	1,600	1.75	19.0	41.0	167	27.8	400	1086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-200	1,600	2.0	22.0	50.0	191	31.8	400	1107	8–Φ10	16	β=95°	γ=30°	2:1	5,000	Y	Y	7.30	670
WTY1-1600-250	1,600	2.5	27.7	62.5	239	39.8	400	1107	8–Φ10	16	β=95°	γ=30°	2:1	5,000	Y	Y	7.30	670
SWTY1-450-100	450	1.0	2.9	9.0	48	8.0	400	571	5–Φ10	16	β=95°	γ=30°	1:1	3,000	Y	Y	3.77	330
SWTY1-450-160	450	1.6	4.6	13.0	76	12.7	400	571	5–Φ10	16	β=95°	γ=30°	1:1	3,000	Y	Y	3.77	330
SWTY1-450-175	450	1.75	5.0	13.0	84	13.9	400	571	5–Φ10	16	β=95°	γ=30°	1:1	3,000	Y	Y	3.77	330
SWTY1-630-100	630	1.0	4.0	10.0	48	8.0	400	799	6–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	520
SWTY1-630-160	630	1.6	6.4	16.5	76	12.7	400	799	6–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	520
SWTY1-630-175	630	1.75	7.2	16.5	84	13.9	400	823	6–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	520
SWTY1-800-100	800	1.0	5.1	12.0	48	8.0	400	1015	8–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	540
SWTY1-800-160	800	1.6	8.1	19.0	76	12.7	400	1015	8–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	540
SWTY1-800-175	800	1.75	8.9	19.0	84	13.9	400	1015	8–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	540
SWTY1-800-200	800	2.0	10.1	23.0	95	15.9	400	1015	8–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	540
SWTY1-800-250	800	2.5	12.7	29.0	119	19.9	400	1015	8–Φ10	16	β=95°	γ=30°	1:1	4,500	Y	Y	7.30	540

Notes:
1. Brake voltage is AC220V. For other brake voltage please consult engineers.
2. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet.

WTY1/SWTY1 (480/520MM SHEAVE) SERIES MACHINES



Capacity: 1600 kg - 2000 kg | 800 kg -1150 kg

Roping: 2:1 | 1:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 480 mm | 520 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

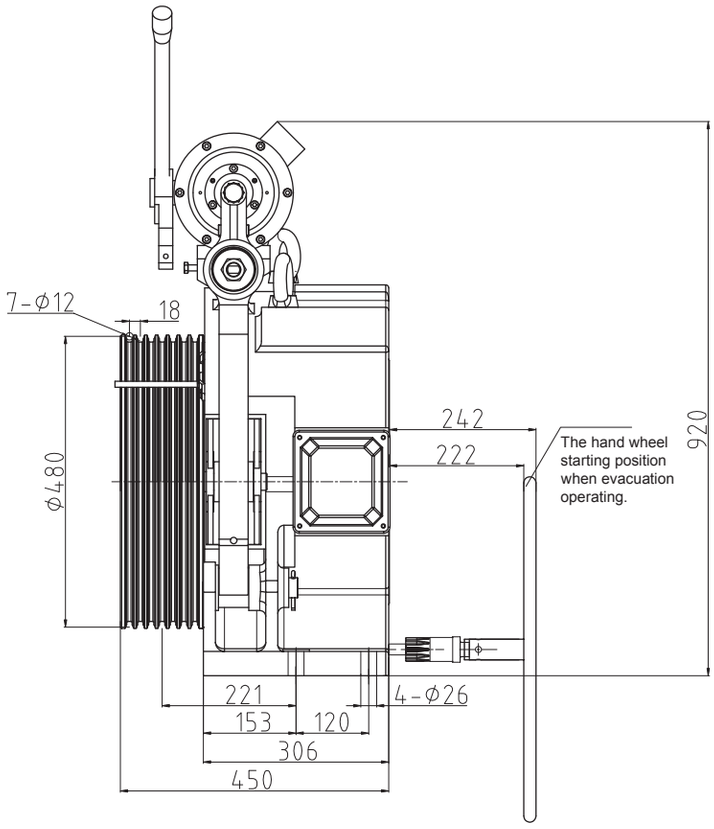
Protection Rating: IP40

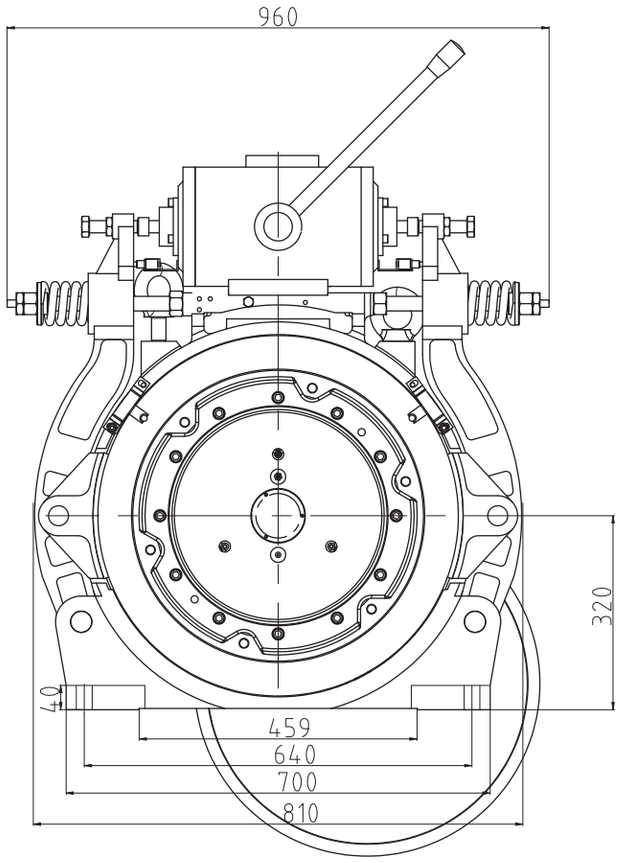
Insulation Class: F

Poles: 32

Drum Brake

Brake Voltage: AC220V

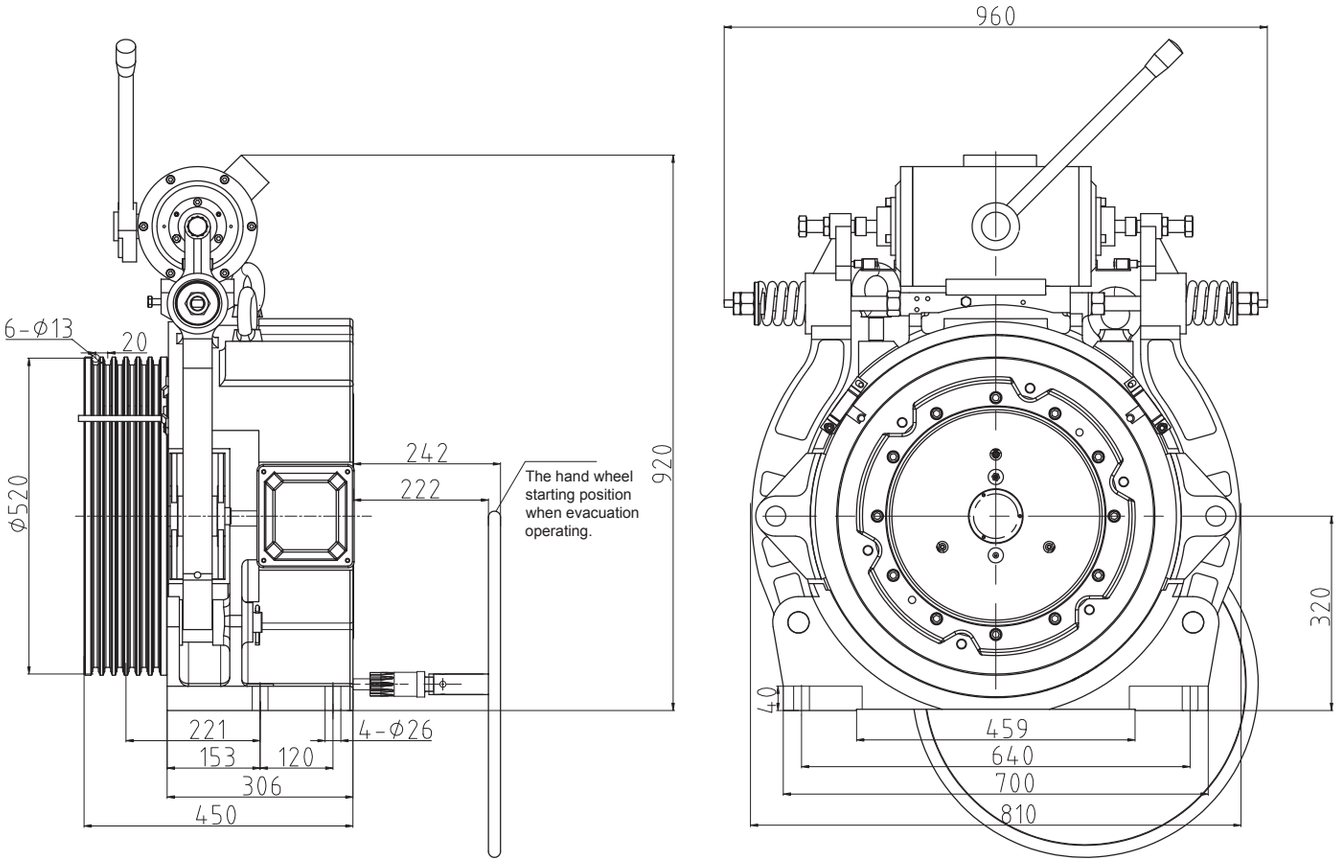




WTY1 & SWTY1 (480MM SHEAVE) SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated Current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist.. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
SWTY1-800-100	800	1.0	5.2	14.0	40	10.6	480	1254	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-160	800	1.6	8.4	20.0	64	17.0	480	1254	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-175	800	1.75	9.1	20.0	70	18.6	480	1254	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-200	800	2.0	10.5	25.0	80	21.2	480	1254	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-250	800	2.5	13.1	30.0	99	26.5	480	1254	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-1000-100	1,000	1.0	6.5	17.0	40	10.6	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1000-150	1,000	1.5	9.8	26.0	60	15.9	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1000-160	1,000	1.6	10.5	26.0	64	17.0	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1000-175	1,000	1.75	11.4	26.0	70	18.6	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1000-200	1,000	2.0	13.1	29.0	80	21.2	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1000-250	1,000	2.5	16.3	35.0	99	26.5	480	1568	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1150-100	1,150	1.0	6.5	17.0	40	10.6	480	1570	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1150-160	1,150	1.6	10.5	26.0	64	17.0	480	1570	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1150-175	1,150	1.75	11.5	26.0	70	18.6	480	1570	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1150-200	1,150	2.0	13.1	29.0	80	21.2	480	1570	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
SWTY1-1150-250	1,150	2.5	16.4	35.0	99	26.5	480	1570	7–Φ12	18	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	650
WTY1-1600-100	1,600	1.0	10.6	25.0	80	21.2	480	1277	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-1600-150	1,600	1.5	16.0	40.0	119	31.8	480	1277	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-1600-160	1,600	1.6	17.0	40.0	127	34.0	480	1277	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-1600-175	1,600	1.75	18.6	40.0	139	37.1	480	1277	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-1600-200	1,600	2.0	21.3	45.0	159	42.4	480	1277	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-2000-100	2,000	1.0	13.3	31.0	80	21.2	480	1596	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-2000-150	2,000	1.5	20.0	47.0	119	31.8	480	1596	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-2000-160	2,000	1.6	21.3	47.0	127	34.0	480	1596	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-2000-175	2,000	1.75	23.3	47.0	139	37.1	480	1596	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650
WTY1-2000-200	2,000	2.0	26.6	52.0	159	42.4	480	1596	7–Φ12	18	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	650

Notes:
1. SWTY1-1150 series the balance factor is 0.48- 0.5.
2. Brake voltage is AC220V For other brake voltage please consult engineers.
3. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet.

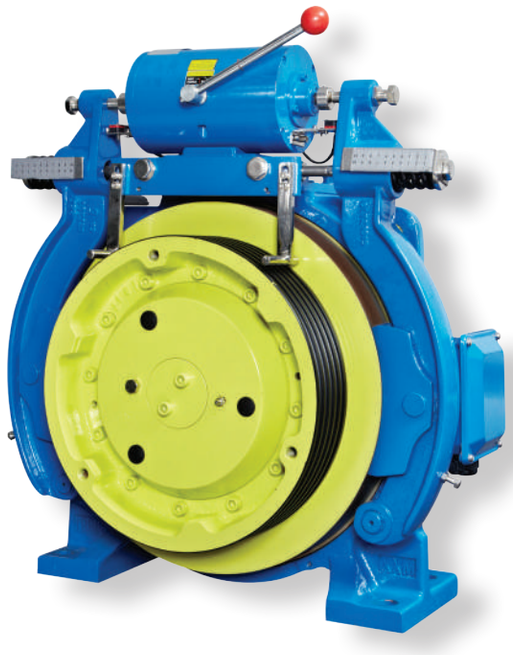

960
6-Φ13
20
Φ520
242
222
920
The hand wheel
starting position
when evacuation
operating.
320
40
221
153
120
306
450
4-Φ26
459
640
700
810

WTY1 & SWTY1 (520MM SHEAVE) SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated Current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
SWTY1-800-100	800	1.0	5.2	15.0	37	9.8	520	1359	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-160	800	1.6	8.4	20.0	59	15.7	520	1359	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-175	800	1.75	9.1	20.0	64	17.1	520	1359	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-200	800	2.0	10.5	27.0	73	19.6	520	1359	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-800-250	800	2.5	13.1	30.0	92	24.5	520	1359	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	11.50	640
SWTY1-1000-100	1,000	1.0	6.5	18.0	37	9.8	520	1699	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1000-160	1,000	1.6	10.5	28.0	59	15.7	520	1699	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1000-175	1,000	1.75	11.4	28.0	64	17.1	520	1699	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1000-200	1,000	2.0	13.1	30.0	73	19.6	520	1699	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1000-250	1,000	2.5	16.3	36.0	92	24.5	520	1699	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1150-100	1,150	1.0	6.5	18.0	37	9.8	520	1700	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1150-160	1,150	1.6	10.5	28.0	59	15.7	520	1700	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1150-175	1,150	1.8	11.4	28.0	64	17.1	520	1700	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1150-200	1,150	2.0	13.1	30.0	73	19.6	520	1700	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
SWTY1-1150-250	1,150	2.5	16.3	36.0	92	24.5	520	1700	6–Φ13	20	β=95°	γ=30°	1:1	5,500	Y	Y	12.00	680
WTY1-1600-100	1,600	1.0	10.6	27.0	73	19.6	520	1384	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-1600-160	1,600	1.6	17.0	42.0	118	31.3	520	1384	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-1600-175	1,600	1.75	18.6	42.0	129	34.3	520	1384	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-1600-200	1,600	2.0	21.3	47.0	147	39.2	520	1384	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-2000-100	2,000	1.0	13.3	33.0	73	19.6	520	1729	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-2000-160	2,000	1.6	21.3	48.0	118	31.3	520	1729	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-2000-175	2,000	1.75	23.3	48.0	129	34.3	520	1729	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680
WTY1-2000-200	2,000	2.0	26.6	55.0	147	39.2	520	1729	6–Φ13	20	β=95°	γ=30°	2:1	5,500	Y	Y	12.00	680

Notes:
1. SWTY1-1150 series the balance factor is 0.48- 0.5.
2. Brake voltage is AC220V. For other brake voltage please consult engineers.
3. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet.

WTY1-H SERIES MACHINES



Capacity: 800 kg - 1600 kg

Roping: 2:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 400 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

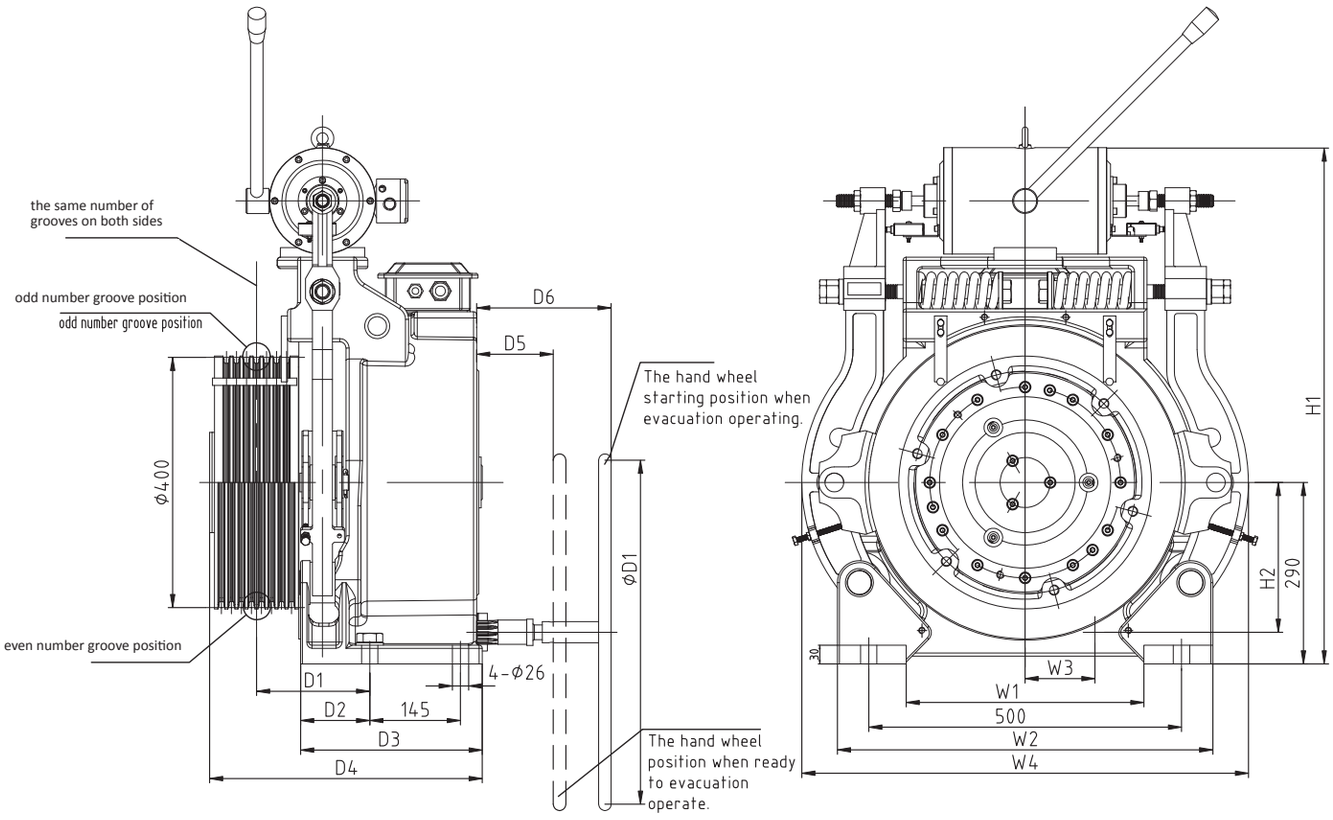
Protection Rating: IP40

Insulation Class: F

Poles: 20

Drum Brake

Brake Voltage: AC220V



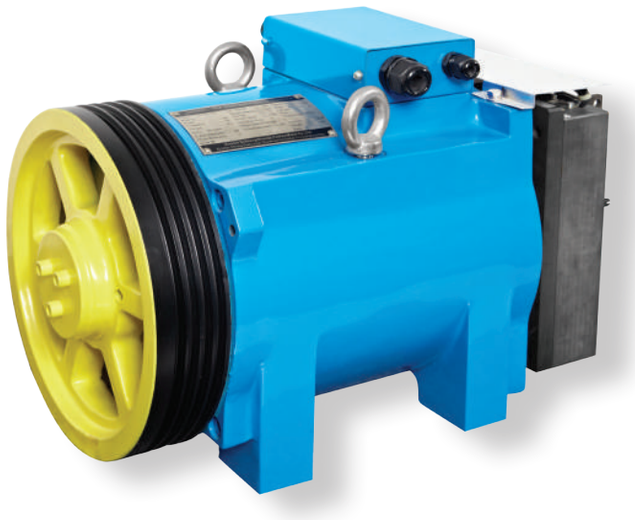
WTY1-H SERIES - SINGLE WRAP (EXTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated Current A	Rated Speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTY1-800-100-H	800	1.0	5.4	12.0	95	15.9	400	543	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	330
WTY1-800-150-H	800	1.5	8.1	20.0	143	23.9	400	540	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	330
WTY1-800-160-H	800	1.6	8.6	20.0	153	25.5	400	537	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	330
WTY1-800-175-H	800	1.75	9.6	20.0	167	27.8	400	549	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.45	330
WTY1-800-200-H	800	2.0	11.0	25.0	191	31.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-800-250-H	800	2.5	13.8	30.0	239	39.8	400	550	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-100-H	1,000	1.0	6.4	15.0	95	15.9	400	640	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-150-H	1,000	1.5	10.0	26.0	143	23.9	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-160-H	1,000	1.6	10.7	26.0	153	25.5	400	665	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1000-175-H	1,000	1.75	11.7	26.0	167	27.8	400	669	5–Φ10	16	β=95°	γ=30°	2:1	3,000	Y	Y	3.77	330
WTY1-1150-100-H	1,150	1.0	8.0	19.0	95	15.9	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1150-150-H	1,150	1.5	12.0	27.0	143	23.9	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1150-160-H	1,150	1.6	12.8	27.0	153	25.5	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1150-175-H	1,150	1.75	14.0	27.0	167	27.8	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1150-200-H	1,150	2.0	16.0	32.0	191	31.8	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1150-250-H	1,150	2.5	20.0	40.0	239	39.8	400	800	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-100-H	1,250	1.0	8.5	18.0	95	15.9	400	850	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-150-H	1,250	1.5	12.7	27.0	143	23.9	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-160-H	1,250	1.6	13.5	27.0	153	25.5	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-175-H	1,250	1.75	14.8	27.0	167	27.8	400	846	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-200-H	1,250	2.0	17.0	35.0	191	31.8	400	845	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1250-250-H	1,250	2.5	21.2	44.0	239	39.8	400	846	6–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-100-H	1,350	1.0	9.3	24.0	95	15.9	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-150-H	1,350	1.5	14.0	35.0	143	23.9	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-160-H	1,350	1.6	14.9	35.0	153	25.5	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-175-H	1,350	1.75	16.3	35.0	167	27.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-200-H	1,350	2.0	18.7	47.5	191	31.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1350-250-H	1,350	2.5	23.4	53.0	239	39.8	400	934	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	520
WTY1-1600-100-H	1,600	1.0	10.8	25.0	95	15.9	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-150-H	1,600	1.5	16.3	40.0	143	23.9	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-160-H	1,600	1.6	17.4	40.0	153	25.5	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-175-H	1,600	1.75	19.0	40.0	167	27.8	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	540
WTY1-1600-200-H	1,600	2.0	21.7	50.0	191	31.8	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	550
WTY1-1600-250-H	1,600	2.5	27.2	62.5	239	39.8	400	1,086	8–Φ10	16	β=95°	γ=30°	2:1	4,500	Y	Y	7.30	550

Notes:
1. Brake voltage is AC220V. For other brake voltage please consult engineers.
2. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	D5	D6	W1	W2	W3	W4	H1	H2	ΦD1
630	2.0 - 2.5	2:1	76	29	217	309	90	190	350	560	110	695	750	235	370
800	1.0 - 2.5	2:1	76	29	217	309	90	190	350	560	110	695	750	235	370
1000	1.0 - 1.75	2:1	76	29	217	309	90	190	350	560	110	695	750	235	370
1150	1.0 - 2.5	2:1	181	110.5	290.5	445	122.5	215	380	600	111.5	714	825	239	550
1250	1.0 - 2.5	2:1	181	110.5	290.5	445	122.5	215	380	600	111.5	714	825	239	550
1350	1.0 - 2.5	2:1	181	110.5	290.5	445	122.5	215	380	600	111.5	714	825	239	550
1600	1.0 - 2.5	2:1	181	110.5	290.5	445	122.5	215	380	600	111.5	714	825	239	550



Capacity: 1250 kg - 2000 kg | 630 kg - 1000 kg

Roping: 2:1 | 1:1

Elevator Speed: 1 m/s - 1.75 m/s

Sheave: 320 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

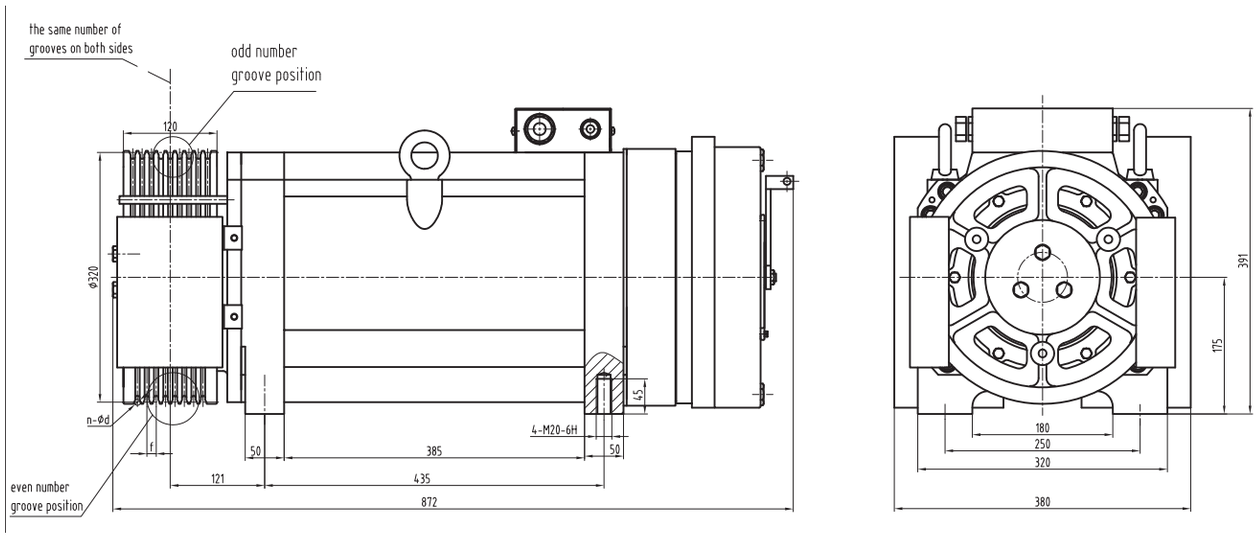
Protection Rating: IP40

Insulation Class: F

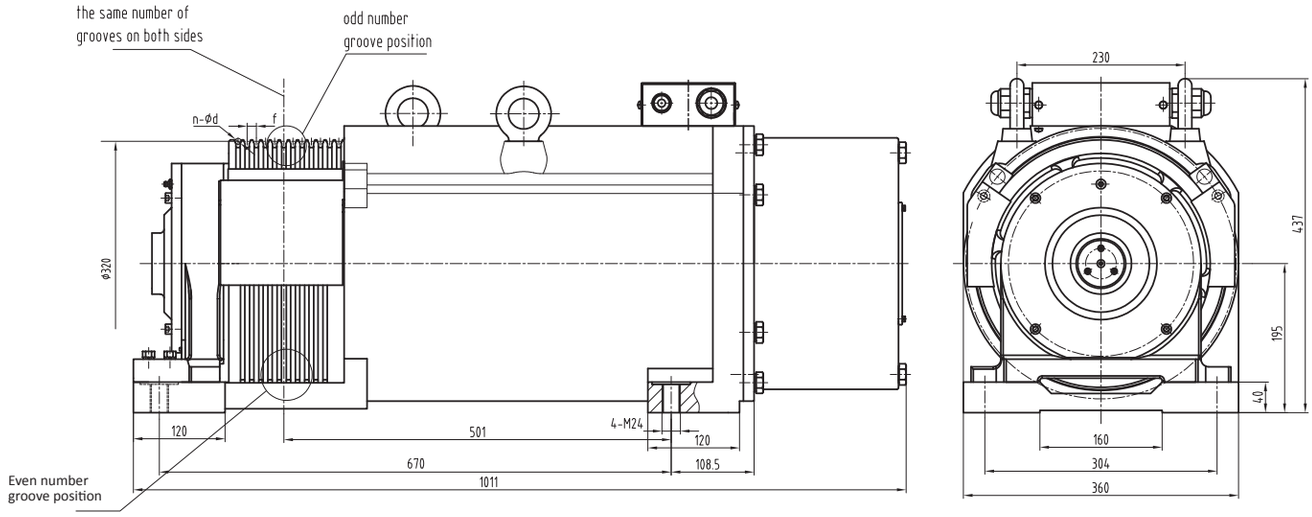
Poles: 20

Plate Brake

Picking/Holding Voltage : DC200V



Capacity: 1250 kg - 1350 kg (2:1)
630 kg (1:1)



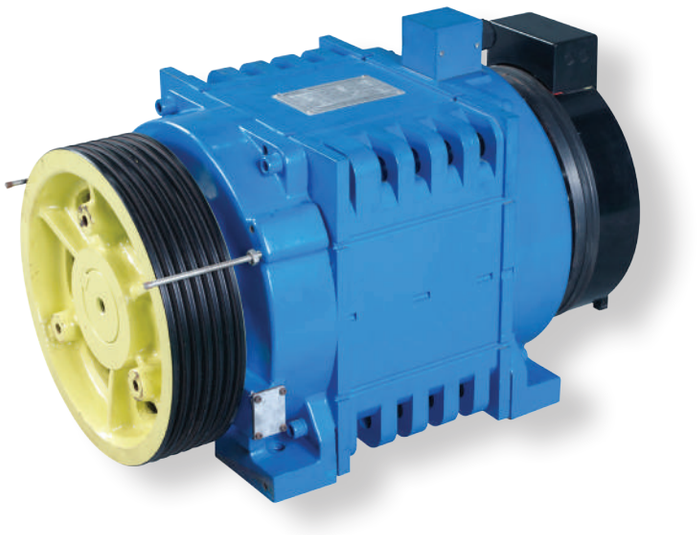
Capacity: 1600kg - 2000kg (2:1)
800kg - 1000kg (1:1)

WR SERIES - SINGLE WRAP (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg.
WR-1250-100	1,250	1.0	7.2	21.0	119	19.9	320	576	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1250-160	1,250	1.6	13.3	33.0	191	31.8	320	665	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1250-175	1,250	1.75	14.5	33.0	209	34.8	320	665	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1350-100	1,350	1.0	8.6	23.0	119	19.9	320	685	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1350-160	1,350	1.6	14.4	37.0	191	31.8	320	718	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1350-175	1,350	1.75	15.7	37.0	209	34.8	320	718	9–Φ8	12	β=90°	γ=30°	2:1	3,500	N	Y/N	0.76	400
WR-1600-100	1,600	1.0	9.7	26.0	119	19.9	320	775	10–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-1600-160	1,600	1.6	17.0	42.0	191	31.8	320	851	10–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-1600-175	1,600	1.75	18.6	42.0	209	34.8	320	851	10–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-2000-100	2,000	1.0	11.5	31.0	119	19.9	320	922	12–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-2000-160	2,000	1.6	21.3	52.0	191	31.8	320	1064	12–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-2000-175	2,000	1.75	23.3	52.0	209	34.8	320	1064	12–Φ8	12	β=90°	γ=30°	2:1	5,000	N	N	1.18	500
WR-630-100-S	630	1.0	4.1	14.0	60	9.9	320	659	9–Φ8	12	β=90°	γ=30°	1:1	4,000	N	Y/N	0.76	400
WR-630-160-S	630	1.6	6.6	17.0	95	15.9	320	659	9–Φ8	12	β=90°	γ=30°	1:1	4,000	N	Y/N	0.76	400
WR-630-175-S	630	1.75	7.2	17.0	104	17.4	320	659	9–Φ8	12	β=90°	γ=30°	1:1	4,000	N	Y/N	0.76	400
WR-800-100-S	800	1.0	5.2	17.5	60	9.9	320	836	10–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500
WR-800-160-S	800	1.6	8.4	21.0	95	15.9	320	836	10–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500
WR-800-175-S	800	1.75	9.1	21.0	104	17.4	320	836	10–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500
WR-1000-100-S	1,000	1.0	6.5	21.5	60	9.9	320	1045	12–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500
WR-1000-160-S	1,000	1.6	10.5	27.0	95	15.9	320	1045	12–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500
WR-1000-175-S	1,000	1.75	11.4	27.0	104	17.4	320	1045	12–Φ8	12	β=90°	γ=30°	1:1	5,000	N	N	1.18	500

Notes:

1. The standard design of this series is only applicable for 180° wrap angle.
2. For WR-1600 to 2000, WR-800-S & WR-1000-S series, the standard design is without manual release. For special requirements, please consult with our engineers.
3. The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.



Capacity: 450 kg - 1000 kg

Roping: 2:1

Elevator Speed: 1.0 m/s - 1.75 m/s

Sheave: 240 mm; 320 mm

Single Wrap

Undercut U

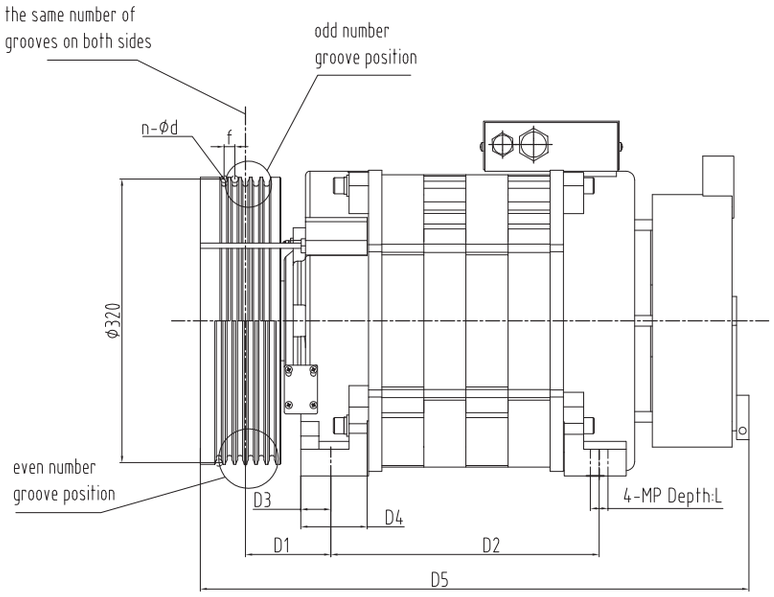
Foot Pad Flatness: < 0.5mm

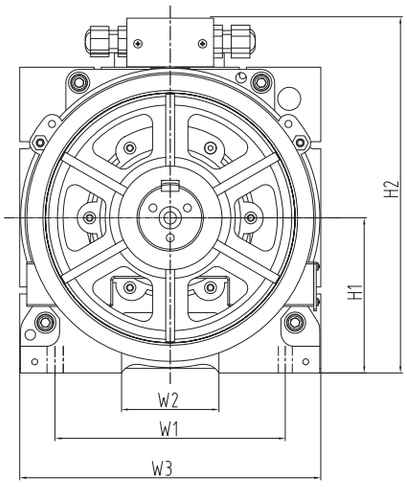
Protection Rating: IP40

Insulation Class: F

Poles: 20

Plate Brake: DC200V





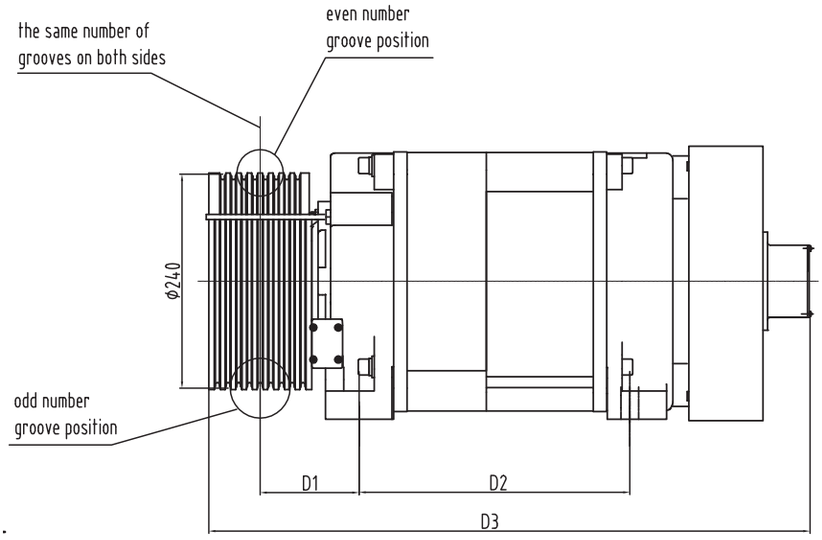
WR-H SERIES (320MM SHEAVE) - SINGLE WRAP (INTERNAL ROTOR)

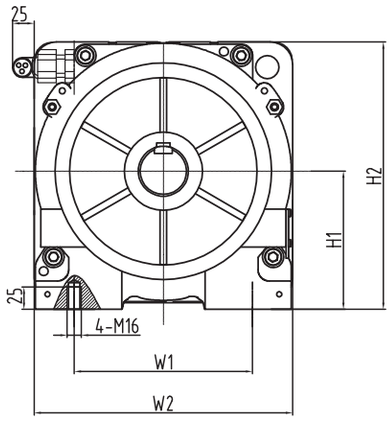
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Picking/ Holding Voltage	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WR-450-100-H	450	1	2.7	8.0	119	19.9	320	218	4–Φ8	12	β=90°	γ=30°	2:1	1,500	DC110V	N	Y/N	0.30	200
WR-450-150-H	450	1.5	4.3	12.5	179	29.8	320	228	4–Φ8	12	β=90°	γ=30°	2:1	1,500	DC110V	N	Y/N	0.30	200
WR-450-160-H	450	1.6	4.6	12.5	191	31.8	320	228	4–Φ8	12	β=90°	γ=30°	2:1	1,500	DC110V	N	Y/N	0.30	200
WR-450-175-H	450	1.75	5.0	12.5	209	34.8	320	228	4–Φ8	12	β=90°	γ=30°	2:1	1,500	DC110V	N	Y/N	0.30	200
WR-630-100-H	630	1.0	3.8	11.0	119	19.9	320	305	5–Φ8	12	β=90°	γ=30°	2:1	2,000	DC110V	N	Y/N	0.35	230
WR-630-150-H	630	1.5	6.0	17.0	179	29.8	320	320	5–Φ8	12	β=90°	γ=30°	2:1	2,000	DC110V	N	Y/N	0.35	230
WR-630-160-H	630	1.6	6.4	17.0	191	31.8	320	320	5–Φ8	12	β=90°	γ=30°	2:1	2,000	DC110V	N	Y/N	0.35	230
WR-630-175-H	630	1.75	7.0	17.0	209	34.8	320	320	5–Φ8	12	β=90°	γ=30°	2:1	2,000	DC110V	N	Y/N	0.35	230
WR-800-100-H	800	1.0	4.8	13.5	119	19.9	320	387	6–Φ8	12	β=90°	γ=30°	2:1	2,200	DC110V	N	Y/N	0.45	270
WR-800-150-H	800	1.5	7.6	22.0	179	29.8	320	406	6–Φ8	12	β=90°	γ=30°	2:1	2,200	DC110V	N	Y/N	0.45	270
WR-800-160-H	800	1.6	8.1	22.0	191	31.8	320	406	6–Φ8	12	β=90°	γ=30°	2:1	2,200	DC110V	N	Y/N	0.45	270
WR-800-175-H	800	1.75	8.9	22.0	209	34.8	320	406	6–Φ8	12	β=90°	γ=30°	2:1	2,200	DC110V	N	Y/N	0.45	270
WR-1000-100-H	1,000	1.00	6.1	16.5	119	19.9	320	484	6–Φ8	12	β=90°	γ=30°	2:1	2,500	DC110V	N	Y/N	0.59	280
WR-1000-150-H	1,000	1.50	9.5	26.0	179	29.8	320	507	6–Φ8	12	β=90°	γ=30°	2:1	2,500	DC110V	N	Y/N	0.59	280
WR-1000-160-H	1,000	1.60	10.1	26.0	191	31.8	320	507	6–Φ8	12	β=90°	γ=30°	2:1	2,500	DC110V	N	Y/N	0.59	280
WR-1000-175-H	1,000	1.75	11.1	26.0	209	34.8	320	507	6–Φ8	12	β=90°	γ=30°	2:1	2,500	DC110V	N	Y/N	0.59	280

Notes:
1. For WR-H 320mm sheave series, 180°wrap angle for MRL application, 0.45~0.5 balance factor..
2. The brake picking/holding voltage is DC200V. Voltage switch is not necessary.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	D5	W1	W2	W3	H1	H2	M1	L
450	1.0~1.75	2:1	81	229	30.5	61.5	540	200	110	290	170	370	16	25
630	1.0~1.75	2:1	90.5	253	34	75	575	260	110	340	175	410	20	30
800	1.0~1.75	2:1	96.5	268	34	75	590	260	110	340	175	410	20	30
1000	1.0~1.75	2:1	96.5	303	34	75	625	260	110	340	175	410	20	30





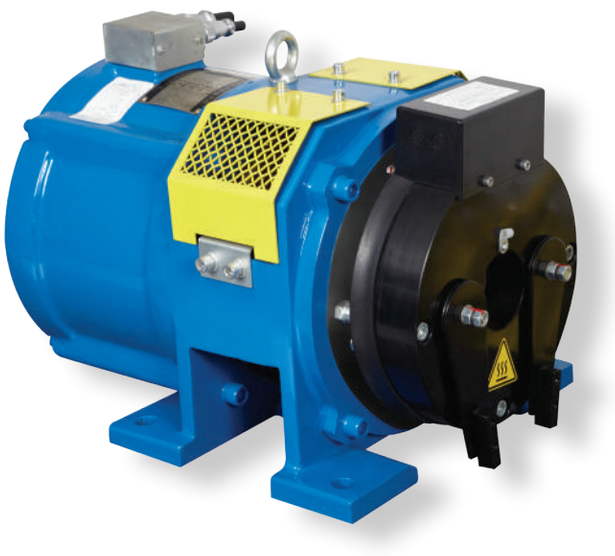
OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	W1	W2	H1	H2
450	1.0~1.75	2:1	81	194	505	200	290	155	300
630	1.0~1.75	2:1	87	229	540	200	290	155	300
800	1.0~1.75	2:1	99	264	625	200	290	155	300
1000	1.0~1.75	2:1	111	304	680	200	290	155	300

WR-H SERIES (240MM SHEAVE) - SINGLE WRAP (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Dia. mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Picking/ Holding Voltage V	Brake Torque	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WR-450-100-H	450	1.0	2.9	8.0	159	26.5	240	171	4–Φ6.5	12	β=90°	γ=30°	2:1	1500	DC90/DC45	2x250	N	Y/N	0.3	200
WR-450-160-H	450	1.6	4.6	12.0	255	42.4	240	171	4–Φ6.5	12	β=90°	γ=30°	2:1	1500	DC90/DC45	2x250	N	Y/N	0.3	200
WR-450-175-H	450	1.75	5.0	12.0	279	46.4	240	171	4–Φ6.5	12	β=90°	γ=30°	2:1	1500	DC90/DC45	2x250	N	Y/N	0.3	200
WR-630-100-H	630	1.0	4.0	11.0	159	26.5	240	240	5–Φ6.5	12	β=90°	γ=30°	2:1	2000	DC90/DC45	2X375	N	Y/N	0.32	220
WR-630-160-H	630	1.6	6.4	17.0	255	42.4	240	240	5–Φ6.5	12	β=90°	γ=30°	2:1	2000	DC90/DC45	2X375	N	Y/N	0.32	220
WR-630-175-H	630	1.75	7.0	17.0	279	46.4	240	240	5–Φ6.5	12	β=90°	γ=30°	2:1	2000	DC90/DC45	2X375	N	Y/N	0.32	220
WR-800-100-H	800	1.0	5.1	15.0	159	26.5	240	304	7–Φ6.5	12	β=90°	γ=30°	2:1	2200	DC90/DC45	2X375	N	Y/N	0.45	260
WR-800-160-H	800	1.6	8.1	21.0	255	42.4	240	304	7–Φ6.5	12	β=90°	γ=30°	2:1	2200	DC90/DC45	2X375	N	Y/N	0.45	260
WR-800-175-H	800	1.75	8.9	21.0	279	46.4	240	304	7–Φ6.5	12	β=90°	γ=30°	2:1	2200	DC90/DC45	2X375	N	Y/N	0.45	260
WR-1000-100-H	1000	1.0	6.3	18.0	159	26.5	240	380	9–Φ6.5	12	β=90°	γ=30°	2:1	2500	DC90/DC45	2X450	N	Y/N	0.48	270
WR-1000-160-H	1000	1.6	10.1	26.0	255	42.4	240	380	9–Φ6.5	12	β=90°	γ=30°	2:1	2500	DC90/DC45	2X450	N	Y/N	0.48	270
WR-1000-175-H	1000	1.75	11.1	26.0	279	46.4	240	380	9–Φ6.5	12	β=90°	γ=30°	2:1	2500	DC90/DC45	2X450	N	Y/N	0.48	270
WR-1275-100-H	1275	1.0	8.1	24.0	159	26.5	240	485	9–Φ6.5	12	β=90°	γ=30°	2:1	2500	DC90/DC45	2X450	N	Y/N	0.48	270
WR-1275-160-H	1275	1.6	12.9	34.0	255	42.4	240	485	9–Φ6.5	12	β=90°	γ=30°	2:1	2500	DC90/DC45	2X450	N	Y/N	0.48	270

Notes:
1. For WR-H 240mm sheave series, 180°wrap angle for MRL application, 0.45~0.5 balance factor..
2. The brake picking/holding voltage is DC200V.



Capacity: 200 kg - 400 kg

Roping: 2:1

Elevator Speed: 0.3 m/s - 0.4 m/s

Sheave: 240 mm

Single Wrap

Undercut U

Foot Pad Flatness: < 0.5mm

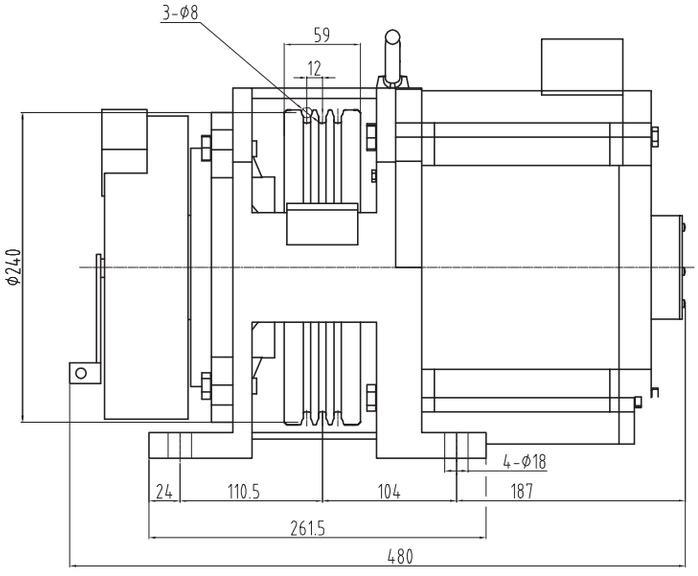
Protection Rating: IP40

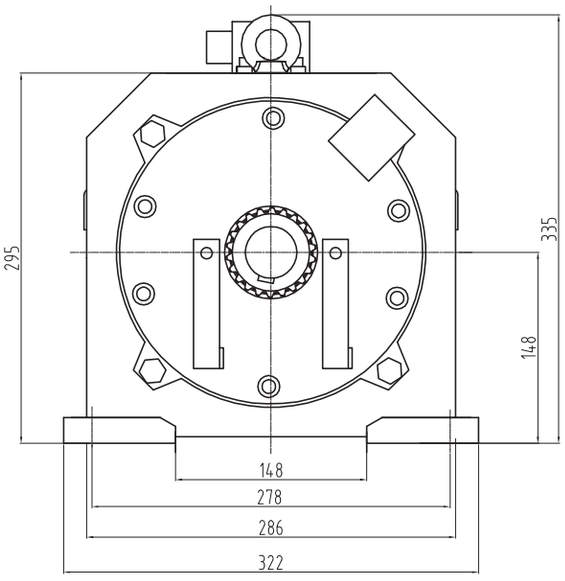
Insulation Class: F

Poles: 20

Plate Brake

Picking/Holding Voltage : DC110V





VL SERIES - SINGLE WRAP (INTERNAL ROTOR)

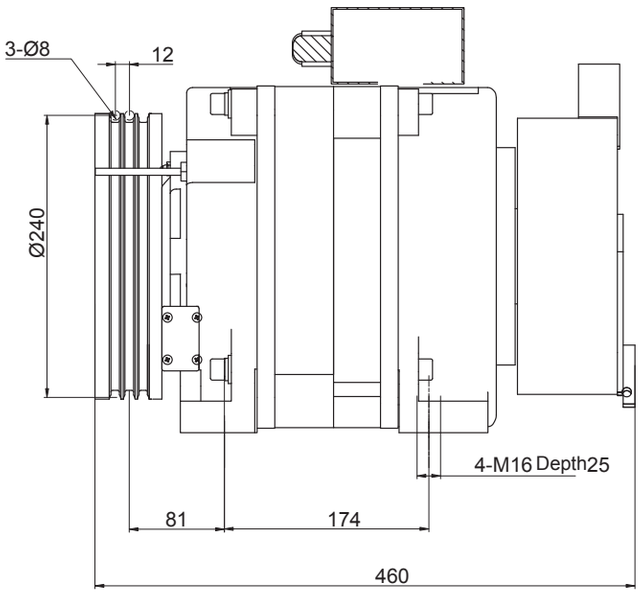
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
VL-200-30	200	0.3	0.38	3.7	48	8.0	240	76	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-200-40	200	0.4	0.51	3.7	64	10.6	240	76	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-250-30	250	0.3	0.48	4.4	48	8.0	240	95	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-250-40	250	0.4	0.63	4.4	64	10.6	240	95	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-320-30	320	0.3	0.61	5.4	48	8.0	240	122	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-320-40	320	0.4	0.81	5.4	64	10.6	240	122	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-400-30	400	0.3	0.76	6.5	48	8.0	240	152	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-400-40	400	0.4	1.00	6.5	64	10.6	240	152	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120

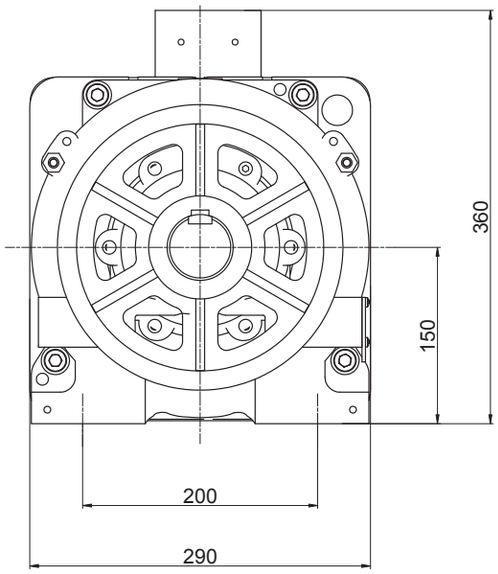
Notes:

1. The balance factor for VL machine is 0.45~0.5.Duty is S5-25%. Rated voltage is 220V.
2. For specifications of 380V rated voltage or 200mm sheave diameter, please consult salesmen.
3. 180°wrap angle for MRL application.
4. The brake picking/holding voltage is DC110V. Voltage switch is not necessary.

VL-H SERIES MACHINES

- Capacity: 200 kg - 400 kg
- Roping: 2:1
- Elevator Speed: 0.3 m/s - 0.4 m/s
- Sheave: 240 mm
- Single Wrap
- Undercut U
- Foot Pad Flatness: < 0.5mm
- Protection Rating: IP40
- Insulation Class: F
- Poles: 20
- Plate Brake
- Picking/Holding Voltage : DC110V

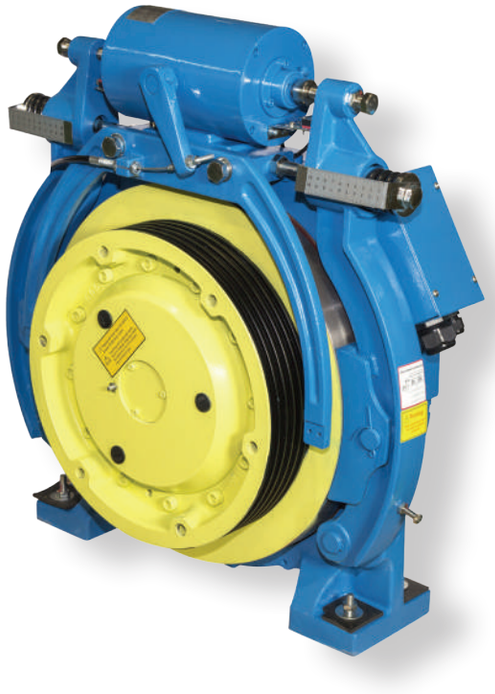




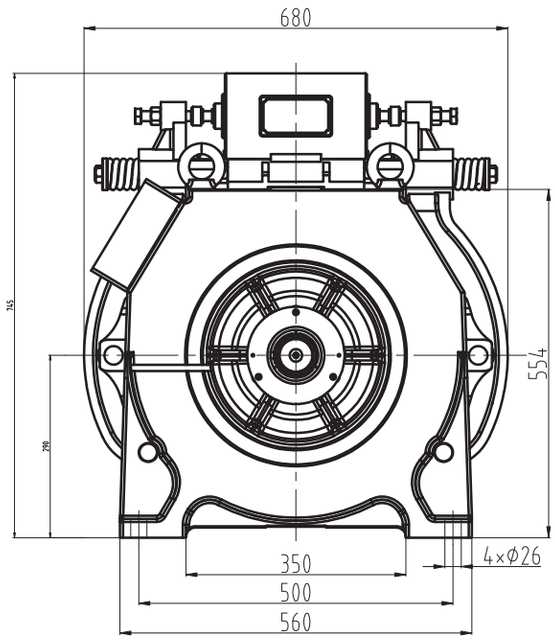
VL-H SERIES - SINGLE WRAP (INTERNAL ROTOR)

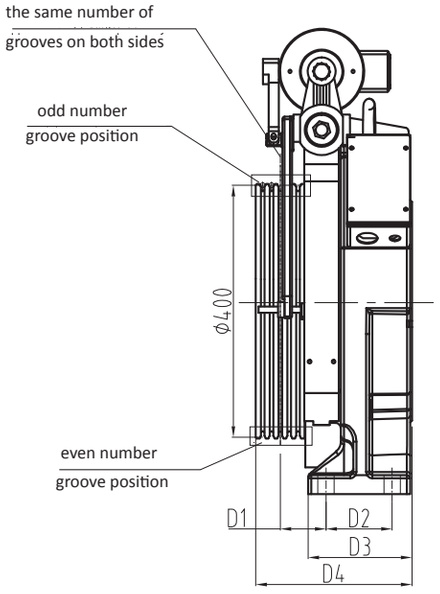
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
VL-200-30-H	200	0.3	0.38	3.7	48	8.0	240	76	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-200-40-H	200	0.4	0.51	3.7	64	10.6	240	76	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-250-30-H	250	0.3	0.48	4.4	48	8.0	240	95	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-250-40-H	250	0.4	0.63	4.4	64	10.6	240	95	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-320-30-H	320	0.3	0.61	5.4	48	8.0	240	122	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-320-40-H	320	0.4	0.81	5.4	64	10.6	240	122	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-400-30-H	400	0.3	0.76	6.6	48	8.0	240	152	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120
VL-400-40-H	400	0.4	1.00	6.6	64	10.6	240	152	3–Φ8	12	β=90°	γ=30°	2:1	1,500	N	Y/N	0.20	120

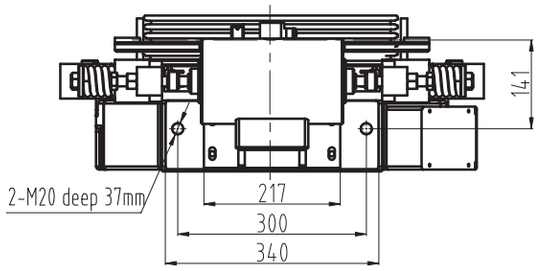
Notes:
1. The balance factor for VL-H machine is 0.45~0.5.Duty is S5-25%. Rated voltage is 220V.
2. For E3 requirements, please confirm for dimensions of outline drawings.
3. For specifications of 380V rated voltage or 200mm sheave diameter, please consult salesmen.
4. 180°wrap angle for MRL application.
5. The brake picking/holding voltage is DC110V. Voltage switch is not necessary.



- Capacity: 630 kg - 1600 kg
- Roping: 2:1
- Elevator Speed: 1.0 m/s - 1.75 m/s
- Sheave: 400 mm
- Single Wrap
- Undercut U
- Foot Pad Flatness: < 0.5mm
- Protection Rating: IP40
- Insulation Class: F
- Poles: 32
- Drum Brake
- Brake Voltage: AC220V







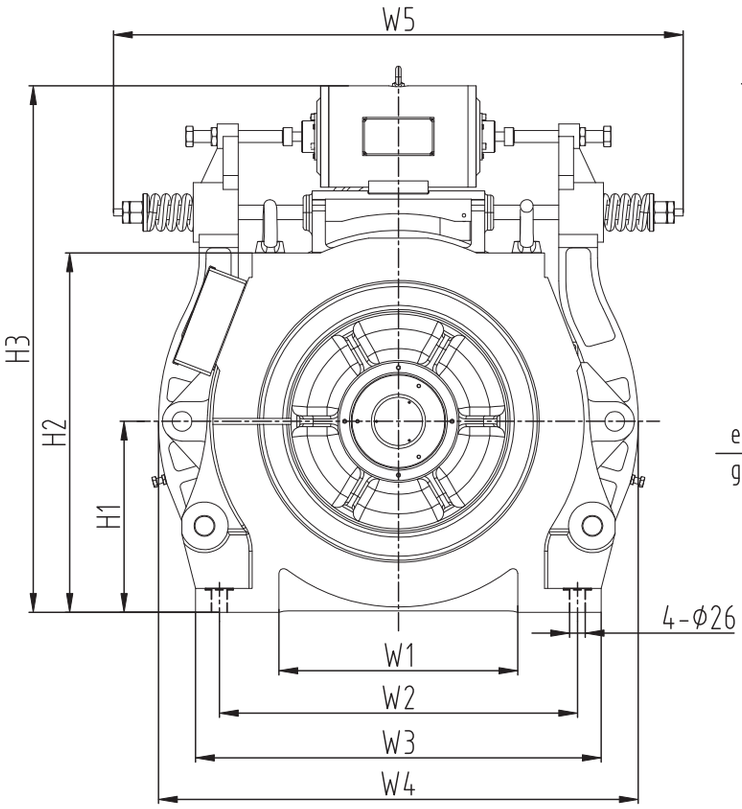
WT-A SERIES - SINGLE WRAP (EXTERNAL ROTOR)

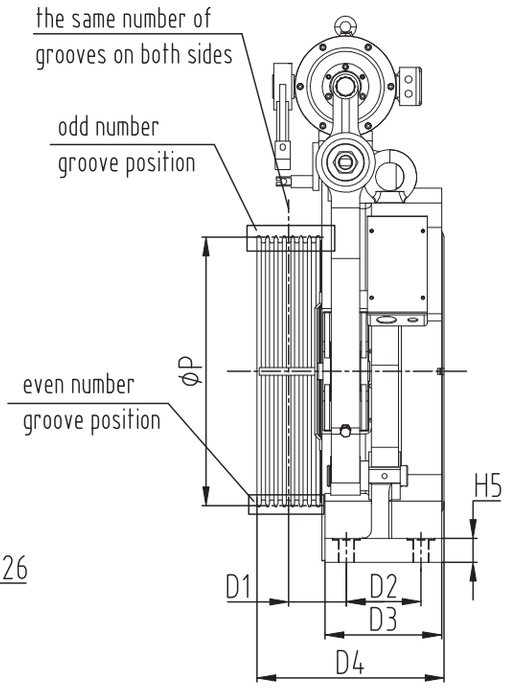
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WT-630-100-A	630	1	4.3	11	95	25.3	400	432	4–Φ10	14	β=95°	γ=30°	2:1	2,500	N	Y	2.60	265
WT-630-150-A	630	1.5	6.4	16.5	143	38.1	400	425	4–Φ10	14	β=95°	γ=30°	2:1	2,500	N	Y	2.60	265
WT-630-160-A	630	1.6	6.8	16.5	153	40.8	400	425	4–Φ10	14	β=95°	γ=30°	2:1	2,500	N	Y	2.60	265
WT-630-175-A	630	1.75	7.4	16.5	167	44.5	400	423	4–Φ10	14	β=95°	γ=30°	2:1	2,500	N	Y	2.60	265
WT-800-100-A	800	1	5.4	12.5	95	25.3	400	543	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.50	305
WT-800-150-A	800	1.5	8.1	22.0	143	38.1	400	540	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.50	305
WT-800-160-A	800	1.6	8.6	22.0	153	40.8	400	537	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.50	305
WT-800-175-A	800	1.75	9.6	22.0	167	44.5	400	549	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.50	305
WT-800-200-A	800	2.0	11.0	26.5	191	50.9	400	550	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310
WT-800-250-A	800	2.5	13.8	32.5	239	63.7	400	550	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310
WT-1000-100-A	1,000	1	6.4	15.0	95	25.3	400	640	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310
WT-1000-150-A	1,000	1.5	10.0	24.0	143	38.1	400	665	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310
WT-1000-160-A	1,000	1.6	10.7	27.5	153	40.8	400	665	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310
WT-1000-175-A	1,000	1.75	11.7	27.5	167	44.5	400	669	5–Φ10	14	β=95°	γ=30°	2:1	3,000	N	Y	3.80	310

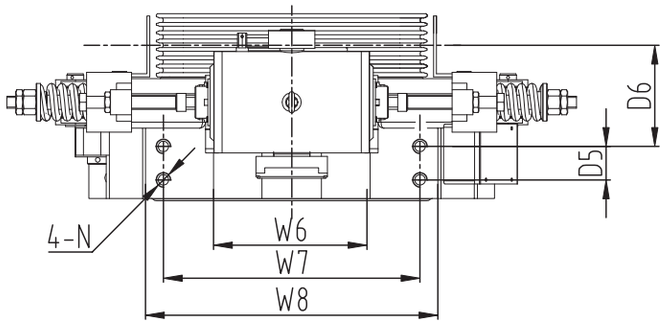
Notes:
1. The balance factor for WT-A series is 0.45~0.5.
2. Brake voltage is AC220V For other brake voltage please consult engineers.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4
630	1.0 - 1.75	2:1	70	79	134	217
800	1.0 - 2.5	2:1	72.5	105	165	248
1000	1.0 - 1.75	2:1	72.5	105	165	248


W5
H3
H2
H1
4-φ26
W1
W2
W3
W4


the same number of
grooves on both sides
odd number
groove position
φP
even number
groove position
H5
D1
D2
D3
D4


D6
D5
4-N
W6
W7
W8

WT-A SERIES - SINGLE WRAP (EXTERNAL ROTOR)

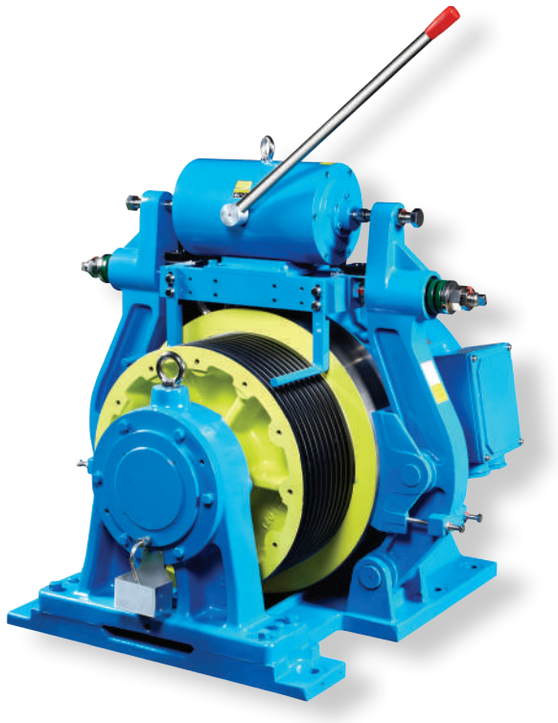
Model	Capacity kg	Elevator Speed m/s	Rated Output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Diameter mm	Torque Nm	Ropes	Groove Dist. mm	Cut Angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WT-1250-100-A	1,250	1.0	7.9	21.0	95	25.3	400	793	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1250-150-A	1,250	1.5	11.9	35.0	143	38.1	400	793	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1250-160-A	1,250	1.6	12.7	35.0	153	40.8	400	793	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1250-175-A	1,250	1.75	13.9	35.0	167	44.5	400	793	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1250-200-A	1,250	2.0	15.9	38.5	191	50.9	400	793	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1275-100-A	1,275	1.0	8.0	21.0	95	25.3	400	809	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1275-150-A	1,275	1.5	12.1	37.0	143	38.1	400	809	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1275-160-A	1,275	1.6	12.9	37.0	153	40.8	400	809	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1275-175-A	1,275	1.75	14.2	37.0	167	44.5	400	809	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1275-200-A	1,275	2.0	16.2	38.5	191	50.9	400	809	5–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	400
WT-1350-200-A	1,350	2.0	18.7	47.5	191	50.9	400	934	6–Φ10	14	β=95°	γ=30°	2:1	3,500	N	Y	4.60	420
WT-1600-100-A	1,600	1.0	10.2	26.0	85	22.7	450	1,141	6–Φ10	14	β=95°	γ=30°	2:1	4,500	N	Y	5.40	495
WT-1600-150-A	1,600	1.5	15.2	44.0	127	33.9	450	1,141	7–Φ10	14	β=95°	γ=30°	2:1	4,500	N	Y	5.40	495
WT-1600-160-A	1,600	1.6	16.2	44.0	136	36.2	450	1,141	7–Φ10	14	β=95°	γ=30°	2:1	4,500	N	Y	5.40	495
WT-1600-175-A	1,600	1.75	17.8	44.0	149	39.6	450	1,141	7–Φ10	14	β=95°	γ=30°	2:1	4,500	N	Y	5.40	495
WT-1600-200-A	1,600	2.0	20.3	49.0	170	45.3	450	1,141	7–Φ10	14	β=95°	γ=30°	2:1	4,500	N	Y	5.40	495

Notes:
1. The balance factor for WT-A series is 0.45~0.5.
2. Brake voltage is AC220V. For other brake voltage please consult engineers.

OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Speed (m/s)	D1	D2	D3	D4	D5	D6	ΦP	W1	W2	W3	W4	W5	W6	W7	W8	H1	H2	H3	H5	N
1250	1.0 - 2.0	72.5	130	189	272	40	170	400	350	500	560	720	615	150	220	276	290	570	835	30	M16
1275	1.0 - 2.0	72.5	130	189	272	40	170	400	350	500	560	720	615	150	220	276	290	570	835	30	M16
1350	2.0	79.5	130	189	286	40	177	400	350	500	560	720	615	150	220	276	290	570	835	30	M16
1600	1.0 - 2.0	97	125	195.5	315	56	169.5	450	400	600	680	810	960	260	430	490	320	602	905	40	M24

WTY2/SWTY2 SERIES MACHINES



Capacity: 1600 kg - 4000 kg | 1000 kg - 2000 kg

Roping: 2:1 | 1:1

Elevator Speed: 1.0 m/s - 2.5 m/s

Sheave: 520 mm; 640 mm

Single Wrap

Undercut U

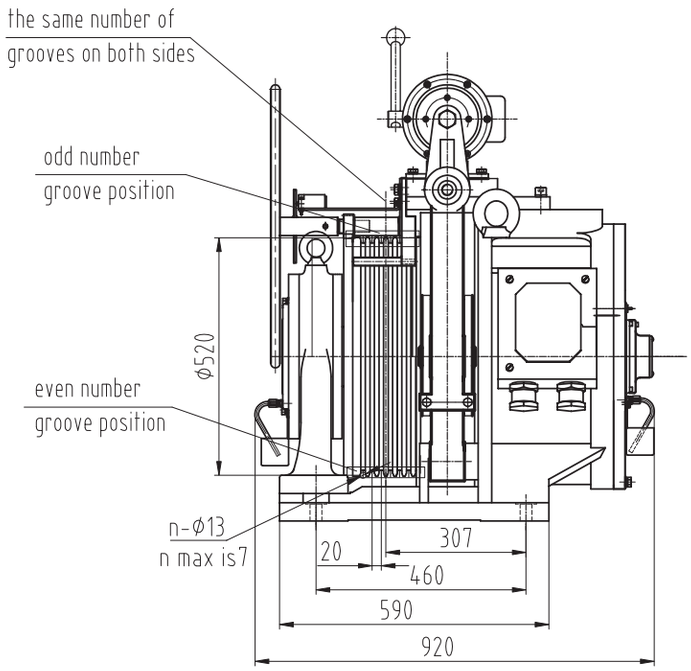
Foot Pad Flatness: < 0.5mm

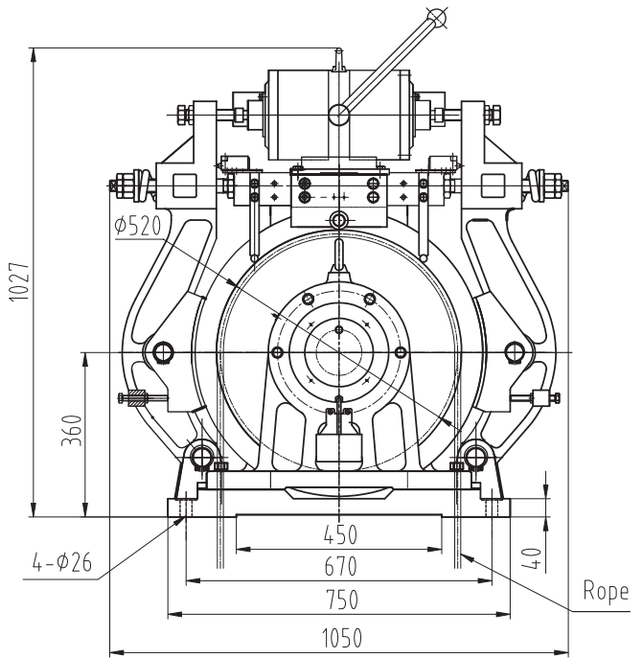
Protection Rating: IP40

Insulation Class: F

Drum Brake

Brake Voltage: AC220V/DC200V



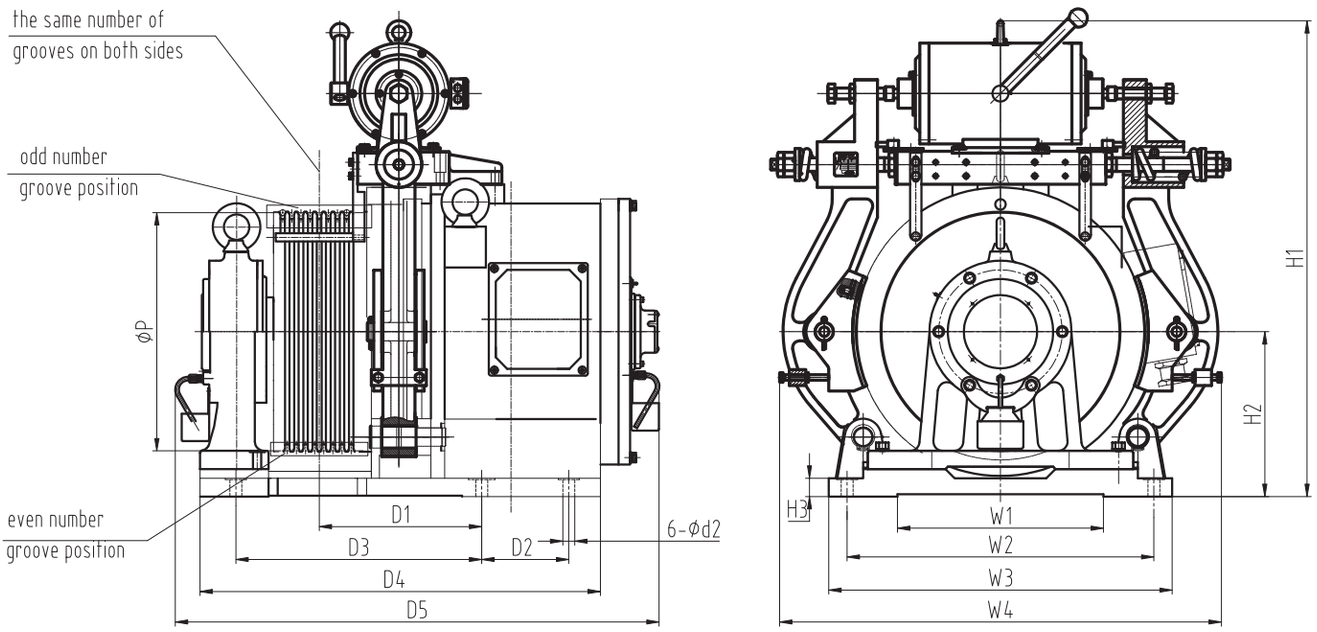


WTY2/SWTY2 SERIES SINGLE ROPING (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Dia. mm	Poles 2p	Torque Nm	Ropes	Groove Dist.. mm	Cut angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTY2-1600-100	1600	1.0	11.0	25	73	12.2	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-1600-150	1600	1.5	16.5	40	110	18.4	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-1600-160	1600	1.6	17.6	40	118	19.6	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-1600-175	1600	1.75	19.3	42	129	21.4	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-1600-200	1600	2.0	22.0	50	147	24.5	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-1600-250	1600	2.5	27.6	60	184	30.6	520	20	1400	5–Φ13	20	β=95°	γ=30°	2:1	10,000	Y	N	10.90	1,150
WTY2-2000-100	2,000	1.0	13.5	32	73	12.2	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
WTY2-2000-150	2,000	1.5	20.6	50	110	18.4	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
WTY2-2000-160	2,000	1.6	22.0	50	118	19.6	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
WTY2-2000-175	2,000	1.75	24.0	51	129	21.4	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
WTY2-2000-200	2,000	2.0	27.5	60	147	24.5	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
WTY2-2000-250	2,000	2.5	34.5	75	184	30.6	520	20	1799	6–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	12.20	1,250
SWTY2-1000-100	1,000	1.0	6.7	18	37	6.1	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1000-150	1,000	1.5	10.1	28	55	9.2	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1000-160	1,000	1.6	10.8	28	59	9.8	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1000-175	1,000	1.75	11.8	28	64	10.7	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1000-200	1,000	2.0	13.4	32	73	12.2	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1000-250	1,000	2.5	16.8	37	92	15.3	520	20	1711	6–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	12.20	1,250
SWTY2-1150-100	1,150	1.0	7.3	17	37	6.1	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300
SWTY2-1150-150	1,150	1.5	10.9	28	55	9.2	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300
SWTY2-1150-160	1,150	1.6	11.7	28	59	9.8	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300
SWTY2-1150-175	1,150	1.75	12.8	28	64	10.7	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300
SWTY2-1150-200	1,150	2.0	14.6	34	73	12.2	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300
SWTY2-1150-250	1,150	2.5	18.2	41	92	15.3	520	20	1896	7–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	13.40	1,300

Notes:

1. Brake voltage is AC220V/DC200V. For other brake voltage please consult engineers.
2. he AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet; The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.



OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	D5	ΦP	W1	W2	W3	W4	H1	H2	H3	Φd2
2500-3000	1.0-2.5	2:1	355	190	537	874.5	1060	520	450	670	750	965	1100	360	40	26
3600-4000	1.0-2.5	2:1	411.5	340	640	1200	1350	640	260	822	912	1130	1200	444	50	34
1250-1600	1.0-2.5	1:1	355	190	537	874.5	1060	520	450	670	750	965	1100	360	40	26
2000	1.0-2.5	1:1	411.5	340	640	1200	1350	640	260	822	912	1130	1200	444	50	34

WTY2/SWTY2 SERIES SINGLE ROPING (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Dia. mm	Poles 2p	Torque Nm	Ropes	Groove Dist.. mm	Cut angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTY2-2500-100	2,500	1.0	16.5	35.0	73	12.2	520	20	2145	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-2500-150	2,500	1.5	25.3	59.0	110	18.4	520	20	2194	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-2500-160	2,500	1.6	27.0	59.0	118	19.6	520	20	2194	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-2500-175	2,500	1.75	29.6	60.0	129	21.4	520	20	2199	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-2500-200	2,500	2.0	34.0	75.0	147	24.5	520	20	2210	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-2500-250	2,500	2.5	43.0	95.0	184	30.6	520	20	2236	8–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	16.40	1,350
WTY2-3000-100	3,000	1.0	20.0	44.0	73	12.2	520	20	2600	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3000-150	3,000	1.5	29.0	80.0	110	18.4	520	20	2519	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3000-160	3,000	1.6	31.0	80.0	118	19.6	520	20	2519	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3000-175	3,000	1.75	34.0	80.0	129	21.4	520	20	2526	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3000-200	3,000	2.0	39.0	98.0	147	24.5	520	20	2535	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3000-250	3,000	2.5	49.0	120.0	184	30.6	520	20	2548	9–Φ13	20	β=95°	γ=30°	2:1	10,000	N	N	17.90	1,450
WTY2-3600-100	3,600	1.0	24.9	62.0	60	15.9	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-3600-150	3,600	1.5	37.4	102.0	90	23.9	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-3600-160	3,600	1.6	39.8	102.0	95	25.5	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-3600-175	3,600	1.75	43.6	102.0	104	27.9	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-3600-200	3,600	2.0	49.8	120.0	119	31.8	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-3600-250	3,600	2.5	62.3	150.0	149	39.8	640	32	3985	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-100	4,000	1.0	25.4	64.0	60	15.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-150	4,000	1.5	38.0	105.0	90	23.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-160	4,000	1.6	40.6	105.0	95	25.5	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-175	4,000	1.75	44.4	105.0	104	27.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-200	4,000	2.0	50.7	122.0	119	31.8	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
WTY2-4000-250	4,000	2.5	63.4	152.0	149	39.8	640	32	4058	7–Φ16	24	β=95°	γ=30°	2:1	20,000	N	N	34.10	2,600
SWTY2-1250-100	1,250	1.0	7.9	20.0	37	6.1	520	20	2061	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1250-160	1,250	1.6	12.7	33.0	59	9.8	520	20	2061	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1250-175	1,250	1.75	13.9	33.0	64	10.7	520	20	2061	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1250-200	1,250	2.0	15.5	35.0	73	12.2	520	20	2013	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1250-250	1,250	2.5	19.8	44.0	92	15.3	520	20	2061	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1350-100	1,350	1.0	8.6	21.0	37	6.1	520	20	2226	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1350-160	1,350	1.6	13.7	32.0	59	9.8	520	20	2226	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1350-175	1,350	1.75	15.0	32.0	64	10.7	520	20	2226	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1350-200	1,350	2.0	17.1	38.0	73	12.2	520	20	2226	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1350-250	1,350	2.5	21.4	47.0	92	15.3	520	20	2226	8–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	16.40	1,350
SWTY2-1600-100	1,600	1.0	10.1	26.0	37	6.1	520	20	2638	9–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	17.90	1,450
SWTY2-1600-160	1,600	1.6	16.2	42.0	59	9.8	520	20	2638	9–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	17.90	1,450
SWTY2-1600-175	1,600	1.75	17.8	42.0	64	10.7	520	20	2638	9–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	17.90	1,450
SWTY2-1600-200	1,600	2.0	20.3	45.0	73	12.2	520	20	2638	9–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	17.90	1,450
SWTY2-1600-250	1,600	2.5	25.4	60.0	92	15.3	520	20	2638	9–Φ13	20	β=95°	γ=30°	1:1	10,000	N	N	17.90	1,450
SWTY2-2000-100	2,000	1.0	12.7	35.0	30	8.0	640	32	4058	7–Φ16	24	β=95°	γ=30°	1:1	20,000	N	N	34.10	2,600
SWTY2-2000-160	2,000	1.6	20.3	62.0	48	12.7	640	32	4058	7–Φ16	24	β=95°	γ=30°	1:1	20,000	N	N	34.10	2,600
SWTY2-2000-175	2,000	1.75	22.2	62.0	52	13.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	1:1	20,000	N	N	34.10	2,600
SWTY2-2000-200	2,000	2.0	25.4	64.0	60	15.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	1:1	20,000	N	N	34.10	2,600
SWTY2-2000-250	2,000	2.5	31.7	80.0	75	19.9	640	32	4058	7–Φ16	24	β=95°	γ=30°	1:1	20,000	N	N	34.10	2,600

Notes:

1. The balance factor for WTY2-4000 &SWTY2-1250~2000 series is 0.45~0.5.
2. Brake voltage is AC220V/DC200V. For other brake voltage please consult engineers.
3. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet; The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.

Capacity: 1000 kg - 4000 kg | 1000 kg - 2000 kg

Roping: 2:1 | 1:1

Elevator Speed: 3.0 m/s - 4.0 m/s | 3.0 m/s - 8.0 m/s

Sheave: 520 mm, 640 mm, 670 mm

Double Wrap

Undercut U

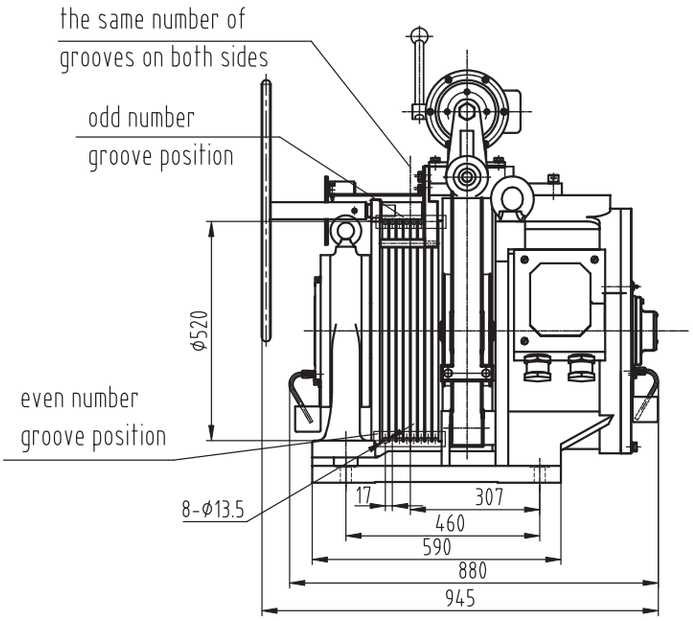
Foot Pad Flatness: < 0.5mm

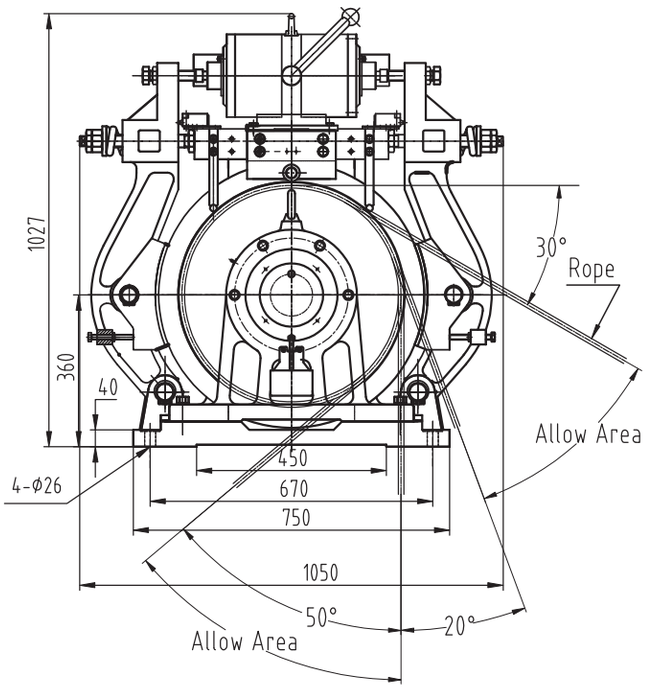
Protection Rating: IP40

Insulation Class: F

Drum Brake

Brake Voltage: AC220V/DC200V



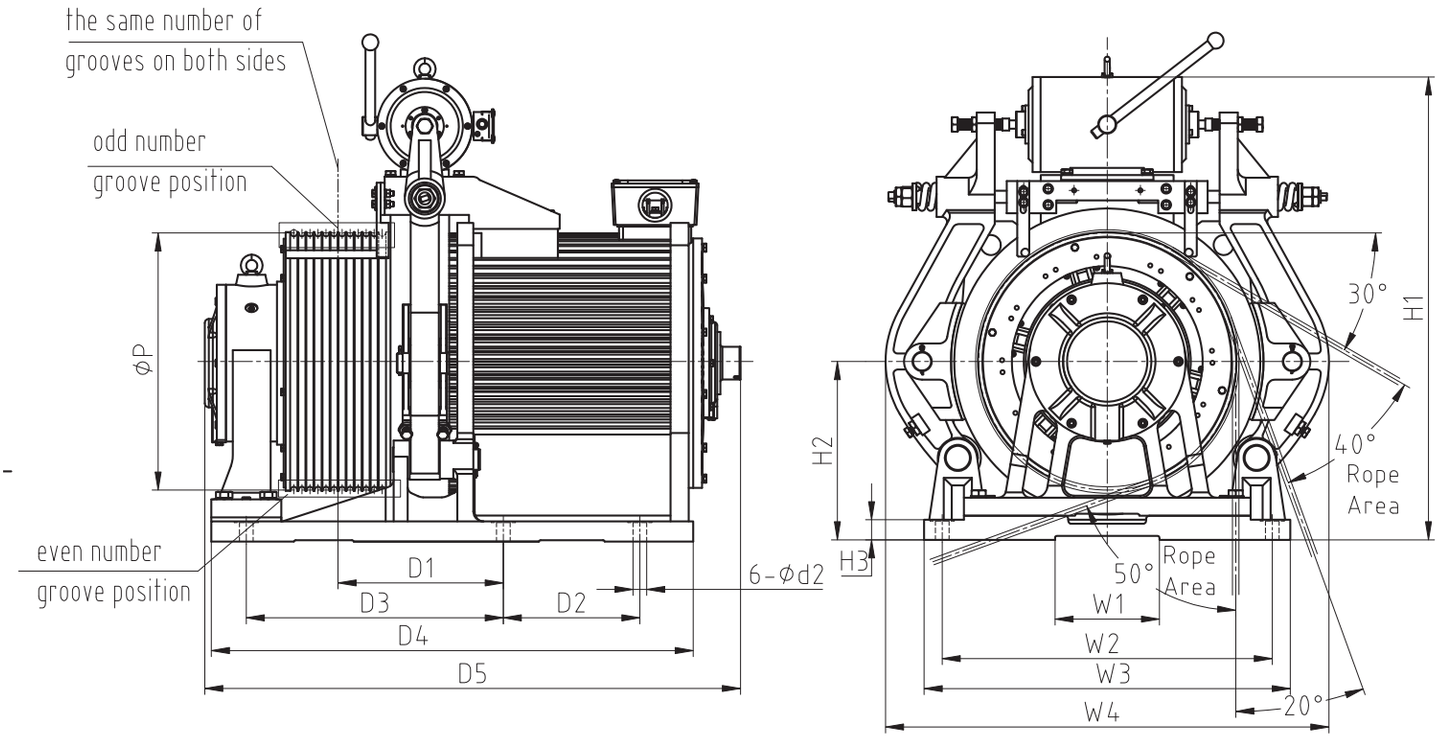


WTYF2/SWTYF2 SERIES - DOUBLE WRAPPING (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Dia. mm	Poles 2p	Torque Nm	Ropes	Groove Dist.. mm	Cut angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTYF2-1000-300	1,000	3.0	20.8	44.0	220	36.7	520	20	899	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1000-350	1,000	3.5	24.2	51.0	257	42.8	520	20	899	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1000-400	1,000	4.0	27.7	60.0	294	49.0	520	20	899	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1150-300	1,150	3.0	23.9	51.0	220	36.7	520	20	1,034	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1150-350	1,150	3.5	27.8	58.0	257	42.8	520	20	1,034	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1150-400	1,150	4.0	31.8	66.0	294	49.0	520	20	1,034	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.10	1,050
WTYF2-1250-300	1,250	3.0	25.9	56.0	220	36.7	520	20	1,124	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1250-350	1,250	3.5	30.3	64.0	257	42.8	520	20	1,124	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1250-400	1,250	4.0	34.6	73.0	294	49.0	520	20	1,124	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1350-300	1,350	3.0	28.0	60.0	220	36.7	520	20	1,214	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1350-350	1,350	3.5	32.7	69.0	257	42.8	520	20	1,214	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1350-400	1,350	4.0	37.4	78.0	294	49.0	520	20	1,214	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	10.90	1,150
WTYF2-1600-300	1,600	3.0	33.2	70.0	220	36.7	520	20	1,439	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	12.20	1,250
WTYF2-1600-350	1,600	3.5	38.7	80.0	257	42.8	520	20	1,439	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	12.20	1,250
WTYF2-1600-400	1,600	4.0	44.3	92.0	294	49.0	520	20	1,439	4–Φ13	17	β=0°	γ=25°	2:1	12,000	Y	N	12.20	1,250

Notes:

1. Brake voltage is AC220V/DC200V. For other brake voltage please consult engineers.
2. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet; The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.



OUTLINE DRAWING DIMENSIONS

Capacity (kg)	Elevator Speed (m/s)	Roping	D1	D2	D3	D4	D5	ΦP	W1	W2	W3	W4	H1	H2	H3	Φd2
2000	3.0 - 4.0	2:1	326.5	145	530	794.5	1000	520	450	670	750	965	1000	360	40	26
2500-4000	3.0 - 4.0	2:1	411.5	340	640	1200	1350	640	260	822	912	1130	1200	444	50	34
1000-1150	3.0 - 6.0	1:1	326.5	145	530	794.5	1000	520	450	670	750	965	1000	360	40	26
1250	3.0 - 4.0	1:1	326.5	145	530	794.5	1000	520	450	670	750	965	1000	360	40	26
1250	5.0 - 6.0	1:1	411.5	340	640	1200	1350	640	260	822	912	1130	1200	444	50	34
1350-1600	3.0 - 6.0	1:1	411.5	340	640	1200	1350	640	260	822	912	1130	1200	444	50	34
1600-2000	7.0 - 8.0	1:1	427.5	450	670	1340	1600	670	286	870	965	1104	1210	454	50	34

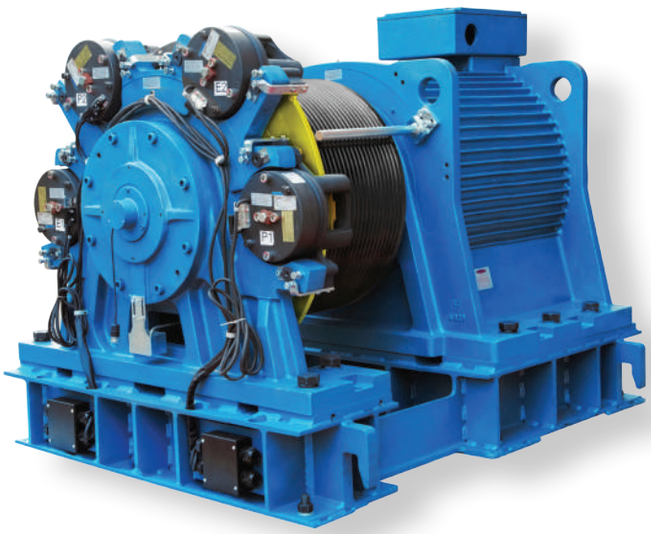
WTYF2/SWTYF2 SERIES - DOUBLE WRAPPING (INTERNAL ROTOR)

Model	Capacity kg	Elevator Speed m/s	Rated output kW	Rated current A	Rated speed rpm	Frequency Hz	Sheave Dia. mm	Poles 2p	Torque Nm	Ropes	Groove Dist.. mm	Cut angle	Groove Angle	Roping	Shaft Load kg	Handle Wheel	Remote Release	Inertia kg m^2	Weight kg
WTYF2-2000-300	2,000	3.0	41.5	92.0	220	36.7	520	20	1,799	6–Φ13	17	β=0°	γ=25°	2:1	15,000	N	N	18.80	1,550
WTYF2-2000-350	2,000	3.5	48.4	106.0	257	42.9	520	20	1,799	6–Φ13	17	β=0°	γ=25°	2:1	15,000	N	N	18.80	1,550
WTYF2-2000-400	2,000	4.0	55.3	121.0	294	49.0	520	20	1,799	6–Φ13	17	β=0°	γ=25°	2:1	15,000	N	N	18.80	1,550
WTYF2-2500-300	2,500	3.0	49.0	120.0	179	47.7	640	32	2,613	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-2500-350	2,500	3.5	57.2	138.0	209	55.7	640	32	2,613	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-2500-400	2,500	4.0	65.3	158.0	239	63.7	640	32	2,613	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3000-300	3,000	3.0	58.8	142.0	179	47.7	640	32	3,136	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3000-350	3,000	3.5	68.6	165.0	209	55.7	640	32	3,136	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3000-400	3,000	4.0	78.4	190.0	239	63.7	640	32	3,136	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3600-300	3,600	3.0	70.6	169.0	179	47.7	640	32	3,763	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3600-350	3,600	3.5	82.3	198.0	209	55.7	640	32	3,763	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-3600-400	3,600	4.0	94.1	226.0	239	63.7	640	32	3,763	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-4000-300	4,000	3.0	76.1	183.0	179	47.7	640	32	4,058	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-4000-350	4,000	3.5	88.8	213.0	209	55.7	640	32	4,058	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
WTYF2-4000-400	4,000	4.0	101.5	243.0	239	63.7	640	32	4,058	6–Φ16	20	β=0°	γ=25°	2:1	20,000	N	N	34.10	2,600
SWTYF2-1000-300	1,000	3.0	19.6	56.0	110	18.4	520	20	1,699	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1000-350	1,000	3.5	22.9	56.0	129	21.4	520	20	1,699	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1000-400	1,000	4.0	26.1	64.0	147	24.5	520	20	1,699	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1000-500	1,000	5.0	32.7	88.0	184	30.6	520	20	1,699	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1000-600	1,000	6.0	39.2	88.0	220	36.7	520	20	1,699	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1150-300	1,150	3.0	22.5	64.0	110	18.4	520	20	1,953	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1150-350	1,150	3.5	26.3	64.4	129	21.4	520	20	1,953	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1150-400	1,150	4.0	30.1	73.6	147	24.5	520	20	1,953	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1150-500	1,150	5.0	37.6	102.0	184	30.6	520	20	1,953	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1150-600	1,150	6.0	45.1	102.0	220	36.7	520	20	1,953	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1250-300	1,250	3.0	24.5	70.0	110	18.4	520	20	2,123	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1250-350	1,250	3.5	28.6	70.0	129	21.4	520	20	2,123	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1250-400	1,250	4.0	32.7	80.0	147	24.5	520	20	2,123	6–Φ13	17	β=0°	γ=25°	1:1	15,000	N	N	18.80	1,550
SWTYF2-1350-300	1,350	3.0	26.5	60.0	90	23.9	640	32	2822	5–Φ16	20	β=0°	γ=25°	1:1	20000	N	N	34.1	2600
SWTYF2-1350-350	1,350	3.5	30.9	74.0	104	27.9	640	32	2822	5–Φ16	20	β=0°	γ=25°	1:1	20000	N	N	34.1	2600
SWTYF2-1350-400	1,350	4.0	35.3	84.0	119	31.8	640	32	2822	5–Φ16	20	β=0°	γ=25°	1:1	20000	N	N	34.1	2600
SWTYF2-1250-500	1,250	5.0	40.9	94.0	149	39.8	640	32	2,613	5–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1250-600	1,250	6.0	49.0	110.0	179	47.8	640	32	2,613	5–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1350-500	1,350	5.0	44.1	100.0	149	39.8	640	32	2,822	5–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1350-600	1,350	6.0	52.9	118.0	179	47.8	640	32	2,822	5–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-300	1,600	3.0	31.4	70.0	90	23.9	640	32	3,345	6–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-350	1,600	3.5	36.6	88.0	104	27.9	640	32	3,345	6–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-400	1,600	4.0	41.8	100.0	119	31.8	640	32	3,345	6–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-500	1,600	5.0	52.3	125.0	149	39.8	640	32	3,345	6–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-600	1,600	6.0	62.7	150.0	179	47.8	640	32	3,345	6–Φ16	20	β=0°	γ=25°	1:1	20,000	N	N	34.10	2,600
SWTYF2-1600-700	1,600	7.0	73.2	185.0	200	73.2	670	44	3,502	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-1600-800	1,600	8.0	83.7	220.0	228	83.6	670	44	3,502	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-300	2,000	3.0	39.2	122.0	86	31.4	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-350	2,000	3.5	45.7	122.0	100	36.6	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-400	2,000	4.0	52.3	135.0	114	41.8	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-500	2,000	5.0	65.3	165.0	143	52.3	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-600	2,000	6.0	78.4	195.0	171	62.7	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-700	2,000	7.0	91.5	225.0	200	73.2	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050
SWTYF2-2000-800	2,000	8.0	104.5	255.0	228	83.6	670	44	4,377	6–Φ16	20	β=0°	γ=25°	1:1	30,000	N	N	37.80	3,050

Notes:

1. The balance factor for WTYF2-4000 series is 0.45~0.5.

2. The AC brake is equipped with controller, so there is no need the setup of voltage reduction transformer in control cabinet; The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.



Capacity: 4500 kg - 6000 kg | 2500 kg - 3000 kg

Roping: 2:1 | 1:1

Elevator Speed: 3.0 m/s - 5.0 m/s | 4.0 m/s - 10.0 m/s

Sheave: 760 mm

Double Wrap

Undercut U

Poles: 32

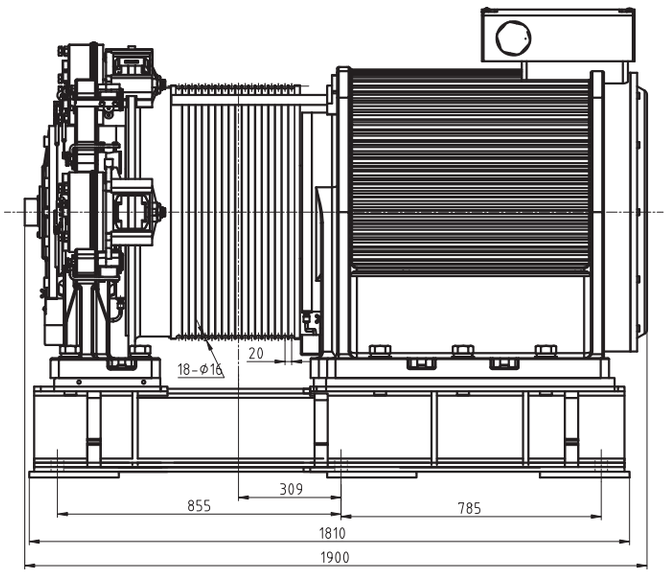
Foot Pad Flatness: < 0.5mm

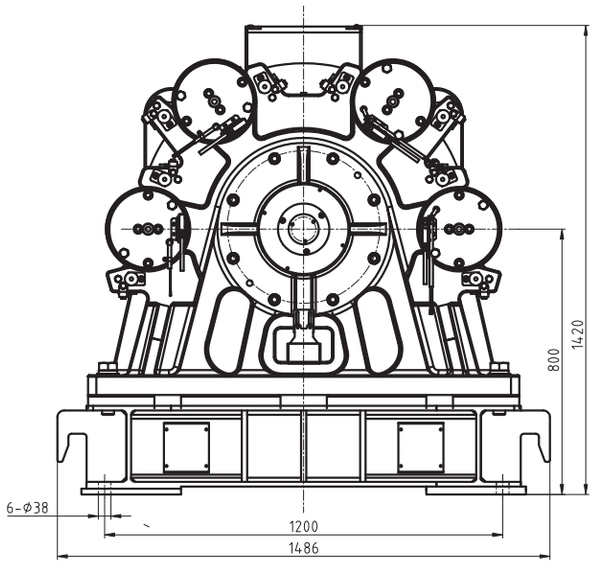
Protection Rating: IP40

Insulation Class: F

Disc Brake

Picking/Holding Voltage: DC90V/DC40V

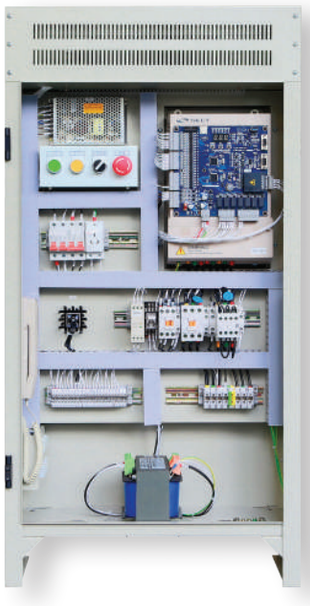




WH SERIES - DOUBLE WRAP (INTERNAL ROTOR)

Model	Capacity	Elevator Speed	Rated Output	Rated current	Rated speed	Frequency	Sheave Dia.	Torque	Ropes	Groove Dist.	Cut Angle	Groove Angle	Roping	Shaft Load	Handle Wheel	Remote Release	Inertia	Weight
	kg	m/s	kW	A	rpm	Hz	mm	Nm		mm				kg			kg m^2	kg.
WH-4500-300	4,500	3.0	93.4	205.0	151	40.2	760	5,915	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-4500-350	4,500	3.5	108.9	270.0	176	46.9	760	5,915	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-4500-400	4,500	4.0	124.5	270.0	201	53.6	760	5,915	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-4500-500	4,500	5.0	155.6	340.0	251	67.0	760	5,915	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-5000-300	5,000	3.0	103.8	230.0	151	40.2	760	6,572	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-5000-350	5,000	3.5	121.0	300.0	176	46.9	760	6,572	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-5000-400	5,000	4.0	138.3	300.0	201	53.6	760	6,572	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-5000-500	5,000	5.0	172.9	375.0	251	67.0	760	6,572	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-6000-300	6,000	3.0	107.8	235.0	151	40.2	760	6,827	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-6000-350	6,000	3.5	125.8	310.0	176	46.9	760	6,827	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-6000-400	6,000	4.0	143.7	310.0	201	53.6	760	6,827	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-6000-500	6,000	5.0	179.7	390.0	251	67.0	760	6,827	9–Φ16	20	β=0°	γ=25°	2:1	55,000	N	N	127.0	6,100
WH-2500-400-S	2,500	4.0	65.4	180.0	101	26.8	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-500-S	2,500	5.0	81.7	180.0	126	33.5	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-600-S	2,500	6.0	98.0	215.0	151	40.2	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-700-S	2,500	7.0	114.4	285.0	176	46.9	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-800-S	2,500	8.0	130.7	285.0	201	53.6	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-900-S	2,500	9.0	147.1	355.0	226	60.3	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-2500-1000-S	2,500	10.0	163.4	355.0	251	67.0	760	6,207	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-400-S	3,000	4.0	71.9	195.0	101	26.8	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-500-S	3,000	5.0	89.9	195.0	126	33.5	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-600-S	3,000	6.0	107.8	235.0	151	40.2	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-700-S	3,000	7.0	125.8	310.0	176	46.9	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-800-S	3,000	8.0	143.8	310.0	201	53.6	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-900-S	3,000	9.0	161.8	390.0	226	60.3	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100
WH-3000-1000-S	3,000	10.0	179.7	390.0	251	67.0	760	6,827	9–Φ16	20	β=0°	γ=25°	1:1	55,000	N	N	127.0	6,100

Notes:
1. Customers need to confirm on the angel range of this series traction machine with our engineers.
2. The DC Brake needs 50% down on holding voltage, so it has to use transformer to switch voltage.



K-MC1000 Integrated Elevator Control

K-MC1000 Integrated Elevator Controller

K-MC1000 Integrated Elevator Control

Features

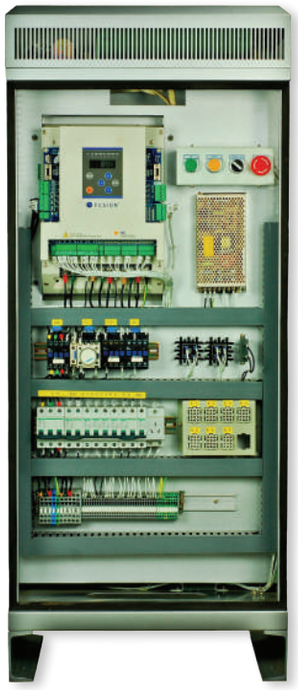
- FUSION™ combines elevator control with inverter, improving system performance
- Real-time direct to floor S-curve processing to improve efficiency and ride quality
- Combines elevator and inverter menus. Convenient operation with 5 digital LED display and 6 button operator
- Intelligent pre-torque system to avoid rollback and improve ride quality
- Include UCMP function.
- Available Android APP allows setting parameters via cell phone.

Applications

- Applicable for MRL and MR elevator
- Up to 64 stops
- Speed up to 4m/s
- Supports both ACPM and induction motors
- Simplex, duplex and up to 6 car group selective collective operation

Specifications

Voltage Level	200V (Single-phase)		400V (Three-phase)							
Controller Model	2R2G	3R7G	3R7G	5R5G	7R5G	011G	015G	018G	022G	030G
Motor Power (kW)	1.5	3.7	3.7	5.5	7.5	11	15	18	22	30
Input Current (A)	11	18.9	10.4	14.8	20.5	29	36	41	49.5	62
Rated Output Capacity (kVA)	4.2	6.7	7	11.3	13.7	18.3	24	30	34	48
Rated Output Current (A)	7.5	15.5	9	14.8	18	24	31	39	45	60
Overload (%,5s)	230	220	230	220	220	205	200	185	180	175
Carrier Frequency (kHz)	4-15									
Power Supply Capacity (kVA)	5.8	9.5	10	14.6	19.2	28.4	37.5	46.6	39.3	53
Minimum Braking Resistance (Ω)	90	37	135	43	43	43	31	31	15	11
Max. Braking Resistance (Ω)	105	43	170	100	75	50	40	32	20	16
Brake Resistance Power (W)	450	1100	1100	1600	2500	3500	4500	5500	6500	9000



K-6000S Integrated Elevator Control

K-6000S Integrated Elevator Controller

K-6000S Integrated Elevator Control System (Serial Communication)

Features

- Integrated design combining elevator control and inverter functionalities
- Real-time direct to floor S-curve processing to improve efficiency and ride quality; capable to work with short floor as low as 100mm
- Field programmable inputs/outputs for improving flexibility
- Provide quick start up menu for ease of installation

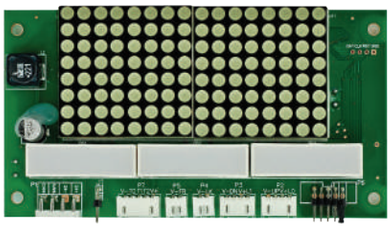
Applications

- MRL and machine room control
- Up to 64 stops
- Speed up to 4m/s
- Supports both ACPM and induction motors
- Simplex, duplex and up to 6 car group

Specifications

Model	Rated Output Power (kVA)	Rated Output Current (A)	10s Overload Percentage	Brake Resistor	Type	Braking Unit
K-6000-S-7R5G-4	7.5	19.5	180%	50Ω/2000W	I	Built-in
K-6000-S-011G-4	11	25	200%	40Ω/4800W		
K-6000-S-015G-4	15	32	170%	32Ω/4800W		
K-6000-S-018G-4	18	37	190%	28Ω/6000W	II	
K-6000-S-022G-4	22	45	200%	20Ω/9600W		
K-6000-S-030G-4	30	60	176%	16Ω/9600W		

MICROPROCESSOR BOARDS



K-03D

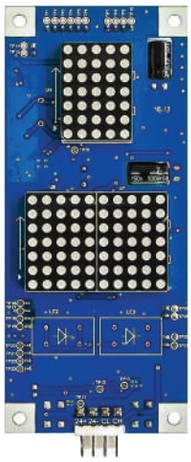
Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
LCD Display (Landing)	K-03D	K-6000S/ K-3200C/K-8000	One per lift/floor	140 x 72 x 18	130 x 62

K-07L

Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
LCD Display (Landing)	K-07L	K-6000S/ K-3200C/K-8000	One per lift/floor	70 x 160 x 16	60 x 160

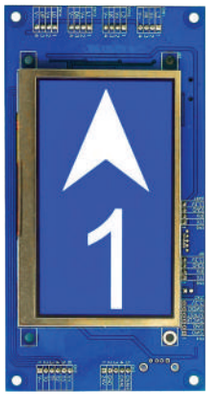
K-07B

Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
LCD Display (In Car)	K-07B	K-6000S/ K-3200C/K-8000	One per lift/floor	190 x 100	180 x 90



K-PI1000

Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
Dot-Matrix PI (Slim Type)	K-PI1000	K-6000S/ K-MC1000/K-8000	One per lift/ floor	60 x 140 x 13	50 x 130



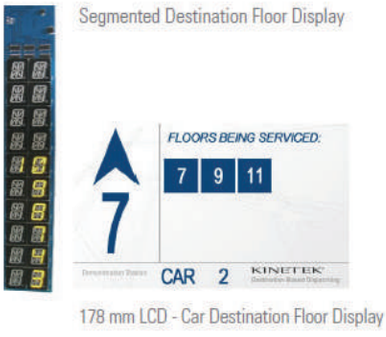
K-03T

Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
Slim LCD indicator (4.3 inch LCD screen)	K-03T	K-6000S/K-3200C/ K-8000/K-MC1000	One per lift/floor	84 x 160 x 12	74 x 150

K-06T

Name	Type	Application	Configuration	Boundary Dimensions (mm)	Installation Dimensions (mm)
Slim LCD Indicator (7 inch LCD screen)	K-06T	K-6000S/K-3200C/K-8000/K-MC1000	One per lift/ floor	135 x 168 x 25	127 x 160

DESTINATION BASED DISPATCHING SYSTEM



178 mm LCD - Car Destination Floor Display

DID Touch Screen

DBD - Destination Based Dispatching System

Greater efficiency with less passenger stress in high traffic conditions

- Kinetek, the market leader in nonproprietary elevator controls, provides a scale-to-fit destination based dispatching system precisely suited to your buildings unique requirements. The Kinetek system features touch screens for call registration and car assignment allowing the maximum degree of panel customization. Our system is completely scalable; you may start with lobby boost alone and proceed through a mixed traditional and destination based implementation on to full destination based dispatching on all floors. Choose just the system you want. If you choose to expand later, the Kinetek implementation allows seamless, easy addition or change to your initial installation.
- Kinetek 178 mm touch-screen technology provides highly visible, on-screen operating panels and allows unique customer options to be easily implemented. After a destination selection is entered, the screen displays a map for easy elevator location. Entry screens can switch to conventional up/down button entry for conventional operation on a timed or user input basis.

Benefits

- Reduces passenger stress in high traffic conditions.
- Improves elevator trip efficiency by assigning passengers with like destinations to the same elevator — resulting in fewer stops and improved transit time.
- Superior dispatching logic: The dispatcher has more information about passengers, destinations, predicted load per elevator, and number of stops — the result is more effective dispatching.
- Total scalability. Choose any level of mixed destination-based and traditional hall-call dispatching or a full destination-based system.
- Logical, stepped implementation for modernizations.

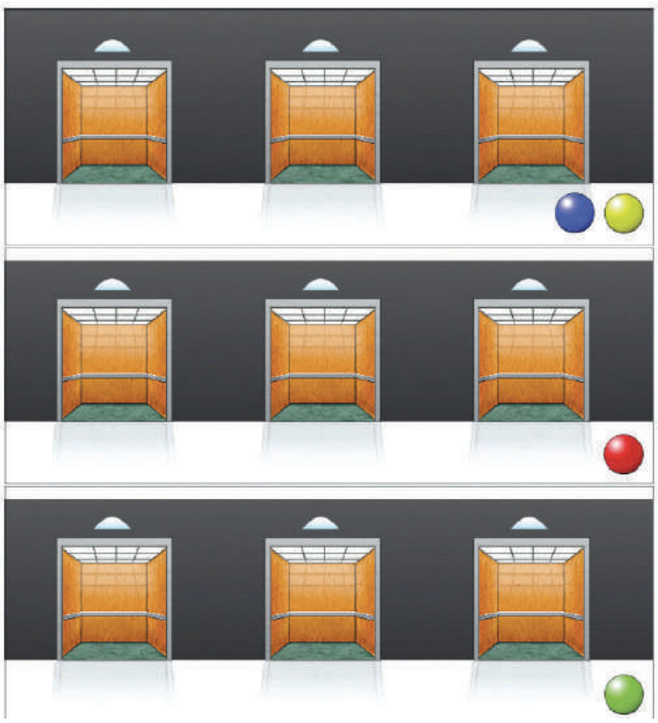
Features

- Complete touch-screen implementa¬tion for easiest possible customization or re-purposing. (Hardware button per code for ADD compliance.)
- Integration with building security.
- ADD voice instructions and tone guidance features.
- Seamless addition, enhancement, or re-structuring at any point.

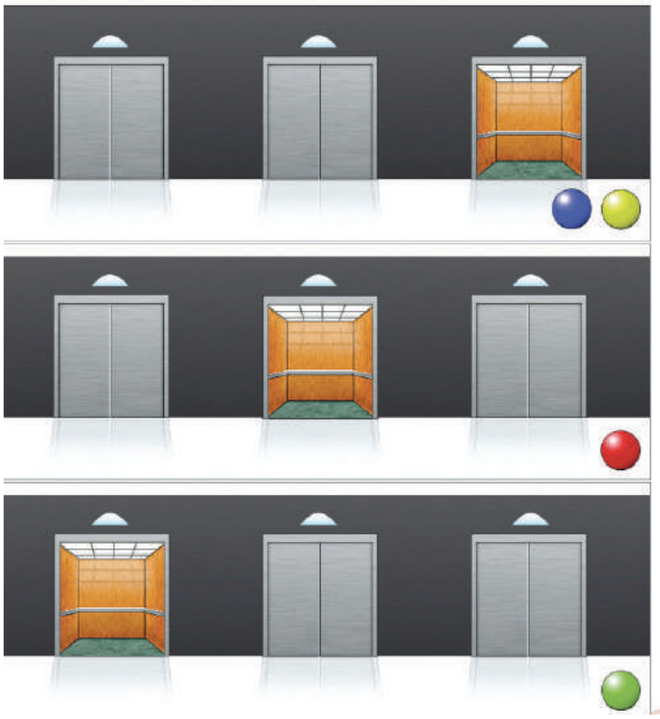
Applications

- Building modernization
- New installations

Traffic handling benefits



Traditional dispatching results in a high mix of destinations per car, requiring more stops and taking more time.



Destination dispatching results in a low mix of destinations per car, requiring fewer stops and taking far less time.

CONSTRUCTION

Stator is cold silicon steel, insulation class F

Magnet material is NdFeB

Drive uses spherical roller bearings

Naturally cooling

Sheave is QT700-2 cast iron

Hardness HB235-295

IP40
Protection IP40

NOTES

KDS standard products can connect to Heidenhain encoder.

Undercut U groove is for single wrap and U groove is for double wrap. This can be customized according to customer requirements.

Customers must calculate the traction capacity and rope safety factor to meet standard demand.

Other cut angle β and angle of groove γ can be provided according the requirement of customers.

For WTY1 Series, some models can provide with 480mm sheave diameter design. For WJC series, some models can provide with 490mm sheave diameter design. Please consult with sales for specific requirements.

The working duty for traction machines is 180 times per hour.

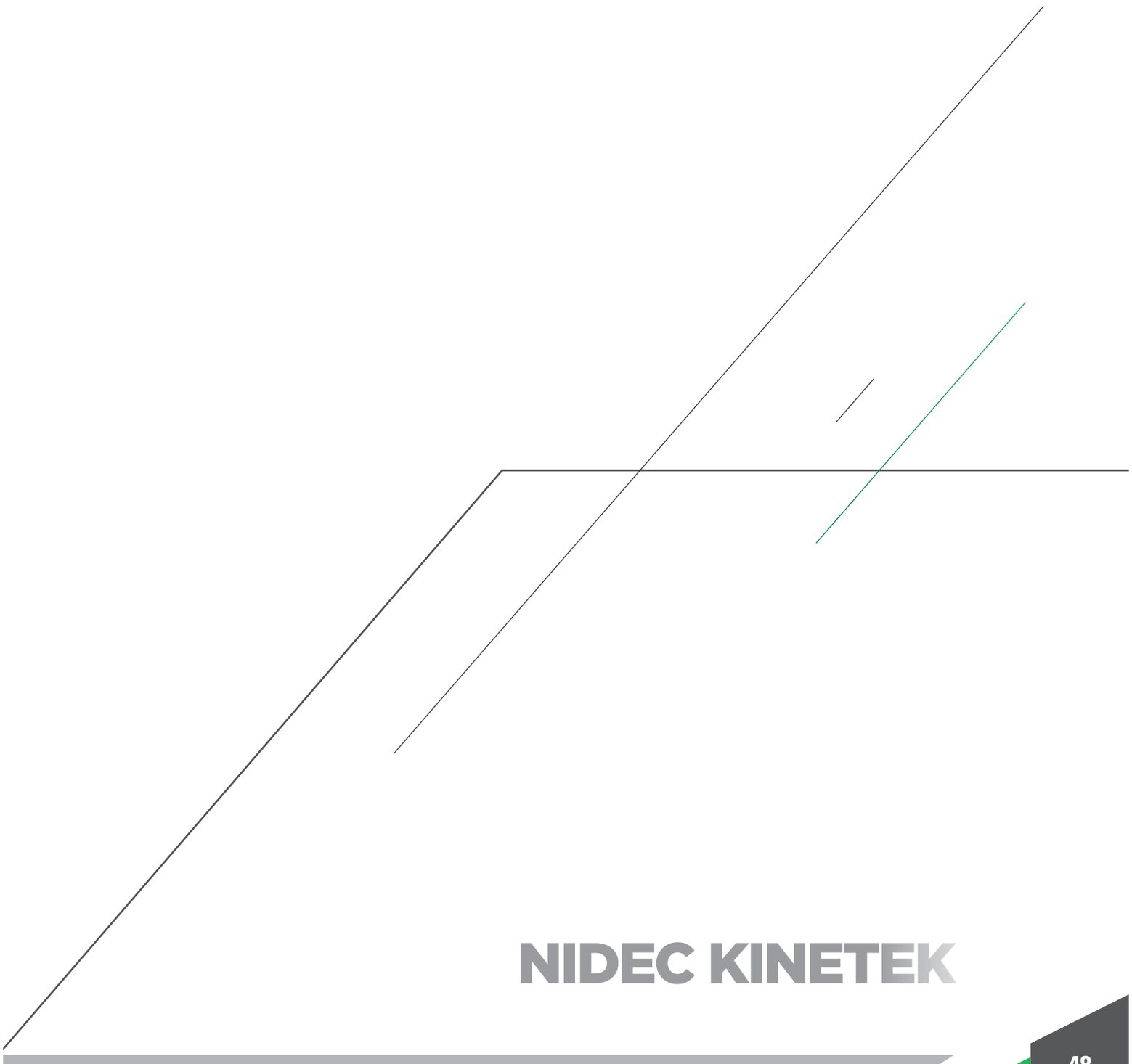
The recommended rise height is the traveling distance within 45s at the rated speed of the elevator. For example, the speed of the traction machine is 1 m/s, and the rise height is 45 m.

The allowed maximum elevator system weight is equal to the product of maximum shaft loading capacity and traction ratio. (Only suitable for single wrap products).

Unless otherwise indicated, the balance factor for KDS standard products is 0.4 - 0.5.

The data in this brochure is for reference only. Products data are subject to change without notice.

All the specifications and mounting dimensions of all product series are matching with those of real machines. But the images and outline drawing are for reference, and the specific kind prevail.



NIDEC KINETEK

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