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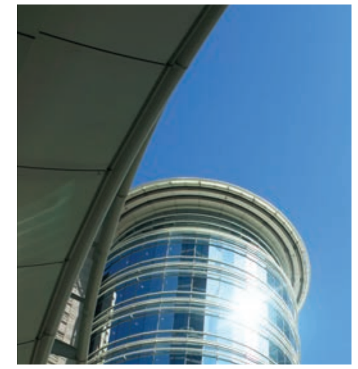
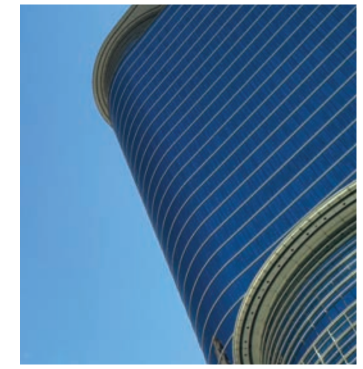
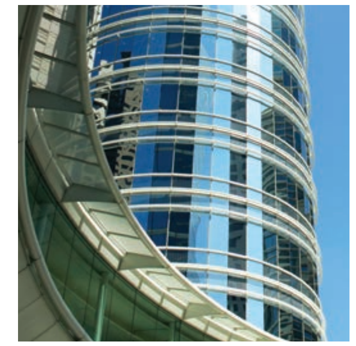
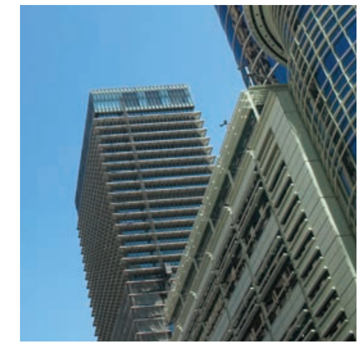
Technology in Motion

KINETEK INDIA ELEVATOR SOLUTIONS

Technology in Motion

Contents

Machines — Kinetek permanent magnet AC gearless for MRL or machine room installations.

Controls — iControl, ZXK-CAN3200C, ZXK-CAN3000B, Motion 4000 and Motion 4000MRL.

Controller Boards — ZXK-CAN3200C, ZXK-CAN3000B, ZXK1000, and Kinetek K-Series for simplex, duplex and group (up to 8 cars).

Monitoring and Peripherals — Options including remote monitoring capability and a simple, battery/inverter system for passenger rescue operation.

Destination Based Dispatching — Dispatching software and special fixtures that efficiently assign passengers to specific cars, clustering like-destinations to achieve superior passenger trip times.

The Kinetek Advantage

Kinetek provides the optimal solution for any new construction or modernization project. These solutions provide customers with the most innovative, highest performing and most cost effective products in the industry.

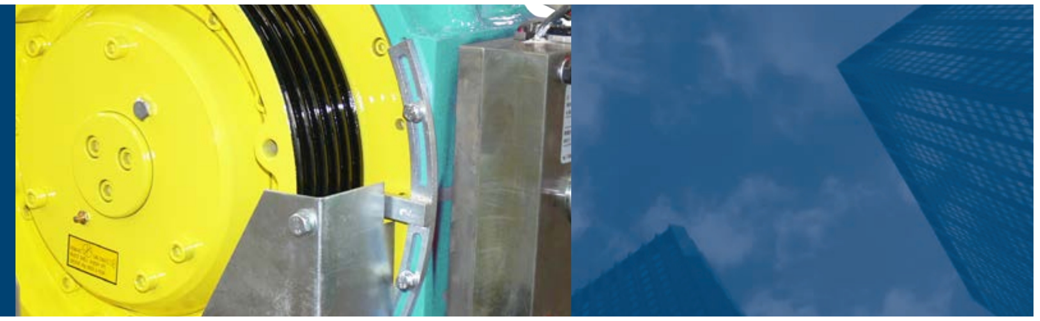
From machines and controls to safety components and fixtures, Kinetek provides you with many design options. Drawing on the unique capabilities of our U.S. and Chinese design centers, we take full advantage of precise engineering coupled with efficient manufacturing expertise. Proven engineering strength, global sourcing, and field-tested quality, along with our willingness to accept challenging requirements, set us apart from the competition.

Over the past decade, Kinetek laid the groundwork for today's product offerings by combining the global leadership of our diverse operating companies, including Motion Control Engineering (MCE), Imperial Electric, Kinetek De Sheng (KDS), and Zhongxiu Kinetek (ZXK) into one innovative and comprehensive team — Kinetek's Elevator & Escalator Solutions Group.

Kinetek takes pride in being the leading open architecture provider in the elevator industry. Equipment, installation, and service choices are made by building owners and their representatives. Together, we can provide cost-effective, high quality solutions that will return satisfaction and the knowledge of a job well done over years of service.

Kinetek's Elevator & Escalator Solutions Group is part of Kinetek, a privately-held global manufacturing company with facilities in North America, Europe and Asia. Kinetek companies hold market leading positions in elevator/escalator, commercial floor care, material handling/aerial lift, golf/utility vehicle, medical, renewable energy and commercial food equipment markets.

Machine Overview



WTY1 Series

Compact package and high performance.

Five WTY1 models are available to accommodate 272 kg to 1600 kg load capacities at speeds from 0.5 to 2.5 m/s.

- 330 mm or 400 mm, 4-8 groove sheave
- 8 or 10 mm rope, single wrap
- Heavy duty construction

WTY2 Series

Power over a wide range of applications.

Four WTY2 models are available to accommodate 1600 kg to 3000 kg load capacities at speeds from 0.5 to 2.5 m/s.

- Machine and machine room-less
- Harsh environments
- Sheave shaft loads up to 15,000 kg

SWTY1 Series

Compact package and high performance.

SWTY1 machines are perfect for machine room-less or small machine room applications, 272 kg to 884 kg loads at speeds to 2.5 m/s.

- 400 mm sheave
- Heavy duty construction

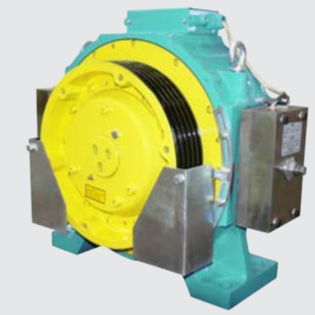
SWTY2 Series

1:1 roping for high power requirements.

Robust SWTY2 machines handle loads from 1088 kg to 1250 kg at speeds to 2.5 m/s.

- 508 or 580 mm sheave

WJ Series



Compact size, powerful acceleration.

Five WJ models are available to accommodate 272 kg to 884 kg load capacities at speeds from 0.5 to 1.75 m/s.

- New brake design
- 330 mm or 400 mm, 3-5 groove sheave
- 8-10 mm rope, single wrap

WR Series

The perfect MRL solution.

Loading capacity 272 to 1088 kg with 1:1 roping or 450 kg to 2000 kg with 2:1 roping up to 1.75 m/s.

- Sized for MRL requirements
- Heavy duty construction
- Dual, independent plate brakes

WTYF2 Series

High speed, high performance.

Capacity: 1000 kg - 1600 kg 2:1 double wrap

Elevator Speed: 3.0 - 4.0 m/s

Frame 800 Series

High speed, high performance.

Capacity: 900 kg - 2040 kg 1:1 roping

Elevator Speed: 6.0 m/s

Capacity: 1360 - 3625 kg 2:1 roping

Elevator Speed: 3.5 m/s

WTY1 Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
WTY1-272-50	272	0.5	0.9	7	58	9.6	330	20	155	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-272-100	272	1.0	1.9	7	116	19.3	330	20	155	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-320-50V	320	0.5	1.1	5	58	9.6	330	20	180	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-320-100-V	320	1.0	2.2	7	116	19.3	330	20	180	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-408-50-V	408	0.5	1.4	5	58	9.6	330	20	233	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-408-70-V	408	0.7	1.9	8	81	13.5	330	20	223	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-408-100-V	408	1.0	2.8	8	116	19.3	330	20	233	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-408-160-V	408	1.6	4.5	12.8	185	30.8	330	20	233	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-408-175-V	408	1.75	4.9	12.8	203	33.8	330	20	233	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	drum	AC110V	IP40	F	Y	1.92	220
WTY1-544-50-V	544	0.5	1.9	9	58	9.6	330	20	310	4-Φ8	12	Undercut U	ß=90°	y=30°	1700	drum	AC110V	IP40	F	Y	1.92	250
WTY1-544-70-V	544	0.7	2.6	9	81	13.5	330	20	310	4-Φ8	12	Undercut U	ß=90°	y=30°	1700	drum	AC110V	P40	F	Y	1.92	250
WTY1-544-100-V	544	1.0	3.8	9	116	19.3	330	20	310	4-Φ8	12	Undercut U	ß=90°	y=30°	1700	drum	AC110V	P40	F	Y	1.92	250
WTY1-544-50	544	0.5	1.9	9	48	9.5	400	24	376	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	300
WTY1-544-70	544	0.7	2.6	9	67	13.4	400	24	376	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	300
WTY1-544-100	544	1.0	3.8	9	95	19.1	400	24	376	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	300
WTY1-544-160	544	1.6	6.0	14.5	153	30.6	400	24	376	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	300
WTY1-544-175	544	1.75	6.6	14.5	167	33.4	400	24	376	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	300
WTY1-680-50	680	0.5	3.2	12	48	9.5	400	24	470	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	320
WTY1-680-70	680	0.7	3.3	12	67	13.4	400	24	470	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	320
WTY1-680-100	680	1.0	4.6	12	95	19.1	400	24	470	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	320
WTY1-680-160	680	1.6	7.5	18	153	30.6	400	24	470	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	320
WTY1-680-175	680	1.75	8.2	18	167	33.4	400	24	470	4-Φ10	16	Undercut U	ß=95°	y=30°	2000	drum	AC110V	IP40	F	Y	2.48	320
WTY1-884-50	884	0.5	3	9	48	8.0	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-884-70	884	0.7	4.3	13.6	67	11.1	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-884-100	884	1.0	6.1	13.6	95	15.9	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-884-160	884	1.6	9.8	22	153	25.5	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-884-175	884	1.75	10.7	22	167	27.8	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-884-200	884	2.0	12.2	25	191	31.8	400	20	612	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	330
WTY1-1020-50	1020	0.5	3.5	12.0	48	8.0	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-70	1020	0.7	4.9	16.0	67	11.1	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-100	1020	1.0	7.0	16.0	95	15.9	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-160	1020	1.6	11.3	25	153	25.5	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-175	1020	1.75	12.3	25	167	27.9	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-200	1020	2.0	14	29	191	31.8	400	20	706	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1020-250	1020	2.5	17.7	37	239	39.8	400	20	706	6-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-50	1088	0.5	3.8	12	48	8.0	400	20	753	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-70	1088	0.7	5.3	17.6	67	11.1	400	20	753	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-100	1088	1.0	7.5	17.6	95	15.9	400	20	753	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-160	1088	1.6	12	28.2	153	25.5	400	20	753	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-175	1088	1.75	13.2	28.2	167	27.9	400	20	753	5-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-200	1088	2.0	15	32	191	31.8	400	20	753	6-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1088-250	1088	2.5	18.8	40	239	39.8	400	20	753	6-Φ10	16	Undercut U	ß=95°	y=30°	3000	drum	AC110V	IP40	F	Y	3.77	410
WTY1-1360-50	1360	0.5	4.7	13	48	8.0	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-70	1360	0.7	6.6	20	67	11.1	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-100	1360	1.0	9.4	20	95	15.9	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-160	1360	1.6	15	35	153	25.5	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-175	1360	1.75	16.5	35	167	27.9	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-200	1360	2.0	18.8	43	191	31.8	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1360-250	1360	2.5	23.5	48	239	39.8	400	20	941	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	620
WTY1-1600-50	1600	0.5	5.5	15.8	48	8.0	400	20	1107	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-70	1600	0.7	11	25	67	11.1	400	20	1107	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-100	1600	1.0	11	25	95	15.9	400	20	1107	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-160	1600	1.6	17.5	40	153	25.5	400	20	1094	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-175	1600	1.75	19	41	167	27.9	400	20	1086	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-200	1600	2.0	22	50	191	31.8	400	20	1107	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670
WTY1-1600-250	1600	2.5	27.7	62.5	239	39.8	400	20	1107	8-Φ10	16	Undercut U	ß=95°	y=30°	5000	drum	AC110V	IP40	F	Y	7.3	670

WTY2 & WTYF2 Series

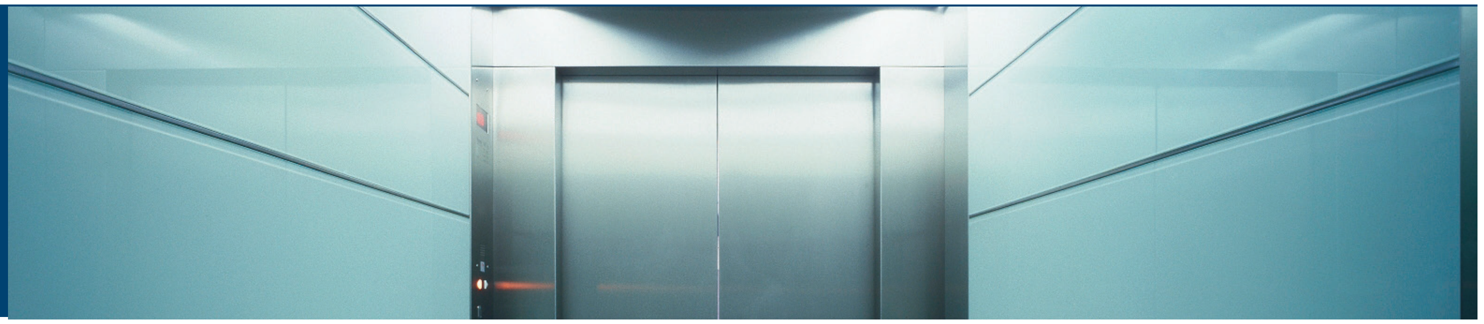
WTY2 Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
WTY2-1600-50	1600	0.5	5.5	17	38	6.3	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1600-100	1600	1	11	25	75	12.5	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1600-160	1600	1.6	17.6	40	120	20.1	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1600-175	1600	1.75	19.3	42	132	21.9	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1600-200	1600	2	22	50	150	25.1	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1600-250	1600	2.5	27.6	60	188	31.3	508	20	1400	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-50	1768	0.5	6.1	19	38	6.3	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-100	1768	1	12.2	27.8	75	12.5	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-160	1768	1.6	19.8	44.5	122	20.3	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-175	1768	1.75	21.4	44.5	132	22.3	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-200	1768	2	24.5	52	150	25.1	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-1768-250	1768	2.5	30.6	64	188	31.3	508	20	1553	6-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC110V	IP40	F	Y	11.4	1180
WTY2-2000-50	2000	0.5	6.8	18	38	6.3	508	20	1727	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2000-100	2000	1	13.5	32	75	12.5	508	20	1714	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2000-160	2000	1.6	22	50	120	20.1	508	20	1746	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2000-175	2000	1.75	24	51	132	21.9	508	20	1742	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2000-200	2000	2	27.5	60	150	25.1	508	20	1746	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2000-250	2000	2.5	34.5	75	188	31.3	508	20	1753	7-Φ12	18	Undercut U	ß=95°	y=30°	8000	drum	AC220V	IP40	F	N	13.3	1200
WTY2-2500-50	2500	0.5	8.2	22	38	6.3	508	20	2085	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-2500-100	2500	1	16.5	35	75	12.5	508	20	2095	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-2500-160	2500	1.6	27	60	120	20.1	508	20	2143	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-2500-175	2500	1.75	29.6	60	132	21.9	508	20	2148	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-2500-200	2500	2	34	75	150	25.1	508	20	2159	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-2500-250	2500	2.5	43	95	188	31.3	508	20	2184	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	15.2	1350
WTY2-3000-50	3000	0.5	10.4	28	38	6.3	508	20	2540	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	16.7	1350
WTY2-3000-100	3000	1.0	20	44	75	12.5	508	20	2540	8-Φ12	18	Undercut U	ß=95°	y=30°	10000	drum	AC220V	IP40	F	N	16.7	1350

WTYF2 Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
WTYF2-1000-300	1000	3.0	20.8	44	220	36.7	520	20	899	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1000-350	1000	3.5	24.2	51	257	42.8	520	20	899	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1000-400	1000	4.0	27.7	60	294	49.0	520	20	899	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1150-300	1150	3.0	23.9	51	220	36.7	520	20	1034	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1150-350	1150	3.5	27.8	58	257	42.8	520	20	1034	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1150-400	1150	4.0	31.8	66	294	49.10	520	20	1034	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.1	1050
WTYF2-1250-300	1250	3.0	25.9	56	220	36.7	520	20	1124	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1250-350	1250	3.5	30.3	64	257	42.8	520	20	1124	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1250-400	1250	4.0	34.6	73	294	49.0	520	20	1124	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1350-300	1350	3.0	28.0	60	220	36.7	520	20	1214	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1350-350	1350	3.5	32.7	69	257	42.8	520	20	1214	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1350-400	1350	4.0	37.4	78	294	49.0	520	20	1214	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	10.9	1150
WTYF2-1600-300	1600	3.0	33.2	70	220	36.7	520	20	1439	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	12.2	1250
WTYF2-1600-350	1600	3.5	38.7	80	257	42.8	520	20	1439	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	12.2	1250
WTYF2-1600-400	1600	4.0	44.3	92	294	49.0	520	20	1439	4-Φ13	17	Undercut U	ß=0°	y=25°	12000	drum	AC110V	IP40	F	Y	12.2	1250

SWTY1 Series



SWTY1 Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Wrap	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
SWTY1-272-50	272	0.5	0.9	8.5	29	4.8	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-272-100	272	1.0	1.8	8.5	58	9.6	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-272-160	272	1.6	2.8	8.5	93	15.4	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-272-175	272	1.75	3.1	8.5	101	16.9	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-272-200	272	2.0	3.6	8.5	116	19.3	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-272-250	272	2.5	4.4	11.5	145	24.1	330	20	293	4-Φ8	12	Undercut U	ß=90°	y=30°	single	1700	drum	AC110V	IP40	F	Y	1.92	220
SWTY1-320-50	320	0.5	1.0	7	24	4.8	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-63	320	0.63	1.3	6	30	6.0	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-100	320	1.0	2.1	6	48	9.5	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-160	320	1.6	3.3	10	76	15.3	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-175	320	1.75	3.7	10	84	16.7	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-200	320	2.0	4.2	11	95	19.1	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-320-250	320	2.5	5.2	14	119	23.9	400	24	418	4-Φ10	16	Undercut U	ß=95°	y=30°	single	2000	drum	AC110V	IP40	F	Y	2.48	320
SWTY1-408-50	408	0.5	1.3	10	24	4.0	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-408-100	408	1.0	2.7	8	48	8.0	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-408-160	408	1.6	4.3	12	76	12.7	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-408-175	408	1.75	4.7	12	84	13.9	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-408-200	408	2.0	5.3	13	95	15.9	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-408-250	408	2.5	6.7	16	119	19.9	400	20	533	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	330
SWTY1-544-50	544	0.5	1.8	17.6	24	4.0	400	20	771	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-544-100	544	1.0	3.6	9.8	48	8.0	400	20	711	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-544-160	544	1.6	5.7	12.8	76	12.7	400	20	711	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-544-175	544	1.75	6.2	12.8	84	13.9	400	20	711	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-544-200	544	2.0	7.1	17	95	15.9	400	20	711	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-544-250	544	2.5	8.9	21	119	19.9	400	20	711	5-Φ10	16	Undercut U	ß=95°	y=30°	single	3000	drum	AC110V	IP40	F	Y	3.77	410
SWTY1-680-50	680	0.5	2.2	20	24	4.0	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-680-100	680	1.0	4.4	10	48	8.0	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-680-160	680	1.6	7.1	16	76	12.7	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-680-175	680	1.75	7.8	16	84	13.9	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-680-200	680	2.0	8.9	23	95	15.9	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-680-250	680	2.5	11.1	25	119	19.9	400	20	889	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	620
SWTY1-884-50	884	0.5	2.9	16	24	4.0	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670
SWTY1-884-100	884	1.0	5.8	16	48	8.0	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670
SWTY1-884-160	884	1.6	9.2	20.6	76	12.7	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670
SWTY1-884-175	884	1.75	10.1	20.6	84	13.9	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670
SWTY1-884-200	884	2.0	11.6	23	95	15.9	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670
SWTY1-884-250	884	2.5	14.4	29	119	19.9	400	20	1155	8-Φ10	16	Undercut U	ß=95°	y=30°	single	5000	drum	AC110V	IP40	F	Y	7.3	670

SWTY2 Series

SWTY2 Series

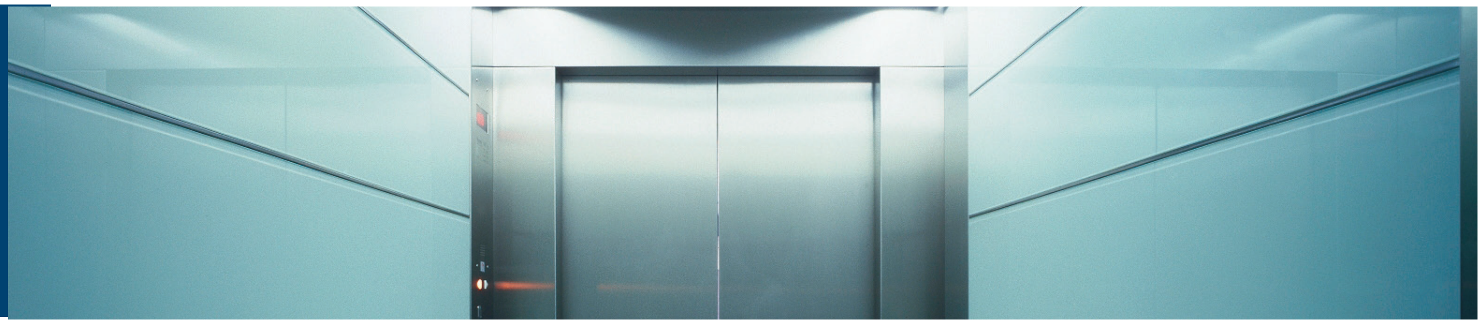
Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Wrap	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
SWTY2-1088-50	1088	0.5	3.6	18	19	3.1	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1088-100	1088	1.0	7.1	18	38	6.3	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1088-160	1088	1.60	11.4	32	60	10.0	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1088-175	1088	1.75	12.4	32	66	11.0	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1088-200	1088	2.0	14.2	32	75	12.5	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1088-250	1088	2.5	17.8	40	94	15.7	508	20	1805	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1150-50	1150	0.5	3.6	17	19	3.1	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC110V	IP40	F	N	15.2	1350
SWTY2-1150-100	1150	1.0	7.3	17	38	6.3	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1150-160	1150	1.6	11.7	28	60	10.0	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1150-175	1150	1.75	12.8	28	66	11.0	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1150-200	1150	2.0	14.6	33	75	12.5	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1150-250	1150	2.5	18.2	41	94	15.7	508	20	1852	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-50	1250	0.5	4.0	18	19	3.1	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-100	1250	1.0	7.9	18	38	6.3	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-160	1250	1.6	12.7	30	60	10.0	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-175	1250	1.75	13.9	30	66	11.0	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-200	1250	2.0	15.9	36	75	12.5	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350
SWTY2-1250-250	1250	2.5	19.8	45	94	15.7	508	20	2013	8-Φ12	18	Undercut U	ß=95°	y=30°	single	10000	drum	AC220V	IP40	F	N	15.2	1350

WJ Series

WJ Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Max. Load (kg)	Brake Model	Brake Power	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
WJ-272-50	272	0.5	0.9	6	58	9.6	330	20	155	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-272-70	272	0.7	1.3	6	81	13.5	330	20	155	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-272-100	272	1.0	1.9	6	116	19.3	330	20	155	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-272-160	272	1.6	3.0	8.5	185	30.9	330	20	155	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-272-175	272	1.75	3.3	9	203	33.8	330	20	155	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-340-50	340	0.5	1.2	7	58	9.6	330	20	194	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-340-70	340	0.7	1.6	7	81	13.5	330	20	194	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-340-100	340	1.0	2.4	7	116	19.3	330	20	194	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-340-160	340	1.6	3.8	10	185	30.9	330	20	194	3-Φ8	12	Undercut U	ß=90°	γ=30°	900	Block	DC110V	IP40	F	N	0.8	145
WJ-340-175	340	1.75	4.1	11	203	33.8	330	20	233	3-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	0.8	145
WJ-408-50	408	0.5	1.4	8	58	9.6	330	20	233	4-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	1.1	200
WJ-408-70	408	0.7	1.9	8	81	13.5	330	20	233	4-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	1.1	200
WJ-408-100	408	1.0	2.8	8	116	19.3	330	20	233	4-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	1.1	200
WJ-408-160	408	1.6	4.5	12.8	185	30.8	330	20	233	4-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	1.1	200
WJ-408-175	408	1.75	4.9	12.8	203	33.8	330	20	233	4-Φ8	12	Undercut U	ß=90°	γ=30°	1500	Block	DC110V	IP40	F	N	1.1	200
WJ-544-50	544	0.5	1.9	5	48	8.0	400	20	376	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-544-70	544	0.7	2.6	9	67	11.1	400	20	376	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-544-100	544	1.0	3.8	9	95	15.9	400	20	376	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-544-160	544	1.6	6.0	14.5	153	25.5	400	20	376	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-544-175	544	1.75	6.6	14.5	167	27.9	400	20	376	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-680-50	680	0.5	2.4	6	48	8.0	400	20	470	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-680-70	680	0.7	3.3	12	67	11.1	400	20	470	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-680-100	680	1.0	4.6	12	95	15.9	400	20	470	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-680-160	680	1.6	7.5	18	153	25.5	400	20	470	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-680-175	680	1.75	8.2	18	167	27.9	400	20	470	4-Φ10	16	Undercut U	ß=95°	γ=30°	2000	Block	DC110V	IP40	F	N	2.48	260
WJ-884-50	884	0.5	3.0	7	48	8.0	400	20	612	5-Φ10	16	Undercut U	ß=95°	γ=30°	3000	Block	DC110V	IP40	F	N	3.77	320
WJ-884-70	884	0.7	4.3	13.6	67	11.1	400	20	612	5-Φ10	16	Undercut U	ß=95°	γ=30°	3000	Block	DC110V	IP40	F	N	3.77	320
WJ-884-100	884	1.0	6.1	13.6	95	15.9	400	20	612	5-Φ10	16	Undercut U	ß=95°	γ=30°	3000	Block	DC110V	IP40	F	N	3.77	320
WJ-884-160	884	1.6	9.8	22	153	25.5	400	20	612	5-Φ10	16	Undercut U	ß=95°	γ=30°	3000	Block	DC110V	IP40	F	N	3.77	320
WJ-884-175	884	1.75	10.7	22	167	27.9	400	20	612	5-Φ10	16	Undercut U	ß=95°	γ=30°	3000	Block	DC110V	IP40	F	N	3.77	320

WR Series



WR Series

Model Number	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	# of Poles (2p)	Torque (Nm)	Ropes	Groove Distance (mm)	Groove	Cut Angle	Groove Angle	Max. Load (kg)	Brake Model	Protection Rating	Insulation	Operation	Inertia (kg m^2)	Weight (kg)
WR-272-50	272	0.5	0.9	6	60	9.9	320	20	151	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-272-70	272	0.7	1.3	6	84	13.9	320	20	151	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-272-100	272	1.0	1.9	6	119	19.9	320	20	151	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-272-160	272	1.6	3.0	9	191	31.8	320	20	151	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-272-175	272	1.75	3.3	9	209	34.8	320	20	151	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-320-50	320	0.5	1.1	7	60	9.9	320	20	177	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-320-70	320	0.7	1.5	7	84	13.9	320	20	177	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-320-100	320	1.0	2.2	7	119	19.9	320	20	177	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-320-160	320	1.6	3.5	10	191	31.8	320	20	177	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-320-175	320	1.75	3.9	10	209	34.8	320	20	177	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-408-50	408	0.5	1.4	8.5	60	9.9	320	20	226	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-408-70	408	0.7	2.0	8.5	84	13.9	320	20	226	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-408-100	408	1.0	2.8	8.5	119	19.9	320	20	226	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-408-160	408	1.6	4.5	12	191	31.8	320	20	226	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-408-175	408	1.75	4.9	12	209	34.8	320	20	226	4-Φ8	12	Undercut U	ß=90°	y=30°	1500	Disk	IP40	F	N	0.42	200
WR-544-50	544	0.5	1.9	9.5	60	9.9	320	20	301	5-Φ8	12	Undercut U	ß=90°	y=30°	2000	Disk	IP40	F	N	0.42	230
WR-544-70	544	0.7	2.6	9.5	84	13.9	320	20	301	5-Φ8	12	Undercut U	ß=90°	y=30°	2000	Disk	IP40	F	N	0.42	230
WR-544-100	544	1.0	3.8	9.5	119	19.9	320	20	301	5-Φ8	12	Undercut U	ß=90°	y=30°	2000	Disk	IP40	F	N	0.42	230
WR-544-160	544	1.6	6.0	15	191	31.8	320	20	301	5-Φ8	12	Undercut U	ß=90°	y=30°	2000	Disk	IP40	F	N	0.42	230
WR-544-175	544	1.75	6.6	15	209	34.8	320	20	301	5-Φ8	12	Undercut U	ß=90°	y=30°	2000	Disk	IP40	F	N	0.42	230
WR-680-50	680	0.5	2.4	13	60	9.9	320	20	376	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-680-70	680	0.7	3.3	13	84	13.9	320	20	376	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-680-100	680	1.0	4.7	13	119	19.9	320	20	376	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-680-160	680	1.6	7.5	17	191	31.8	320	20	376	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-680-175	680	1.75	8.2	17	209	34.8	320	20	376	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-884-50	884	0.5	3.1	15	60	9.9	320	20	489	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-884-70	884	0.7	4.3	15	84	13.9	320	20	489	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-884-100	884	1.0	6.1	15	119	19.9	320	20	489	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-884-160	884	1.6	9.8	22	191	31.8	320	20	489	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-884-175	884	1.75	10.7	22	209	34.8	320	20	489	6-Φ8	12	Undercut U	ß=90°	y=30°	3000	Disk	IP40	F	N	0.59	290
WR-1088-50	1088	0.5	3.8	18	60	9.9	320	20	602	9-Φ8	12	Undercut U	ß=90°	y=30°	4000	Disk	IP40	F	N	0.76	400
WR-1088-70	1088	0.7	5.3	18	84	13.9	320	20	602	9-Φ8	12	Undercut U	ß=90°	y=30°	4000	Disk	IP40	F	N	0.76	400
WR-1088-100	1088	1.0	7.5	18	119	19.9	320	20	602	9-Φ8	12	Undercut U	ß=90°	y=30°	4000	Disk	IP40	F	N	0.76	400
WR-1088-160	1088	1.6	12.0	27	191	31.8	320	20	602	9-Φ8	12	Undercut U	ß=90°	y=30°	4000	Disk	IP40	F	N	0.76	400
WR-1088-175	1088	1.75	13.2	27	209	34.8	320	20	602	9-Φ8	12	Undercut U	ß=90°	y=30°	4000	Disk	IP40	F	N	0.76	400

Notes

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

Protection IP40

Notes

Kinetek's standard products can connect to Heidenhain and Tamagawa encoders.

Single wrap uses Undercut U shape grove, and double wrap uses U shape. This can be customized according to customer requirements.

Customer may calculate the traction capacity and rope safety factor to meet standard demand.

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

Allowed maximum elevator system weight can be the maximum shaft loading capacity by traction ratio. For example the shaft load of 680 kg @ 2:1 is 2000 kg, therefore the maximum elevator system weight can reach 4000 kg.

Kinetek's standard products: Both remote release device or manual winding device are available for WTY1 and SWTY1. Remote release device is not available for WTY2 and SWTY2. 2000 kg and above 2000 kg loading capacity at roping 2:1, 1000 kg and above 1000 kg loading capacity at roping 1:1 have no manual winding device and remote release device.

Product subject to change without notice.

Speed greater than 4.0 m/s needs technical confirmation.

Sample data for reference only.

Direct Geared AC Replacement

Kinetek Direct Replacement Modernization Packages are designed to replace AC geared machines in 1:1 and 2:1 roped applications. Modernization packages provide all the advantages of ACPM, synchronous technology in a package engineered to provide everything you need to replace an existing geared machine in the shortest possible time.

Compared to geared machines, ACPM technology delivers an average 30% improvement in energy efficiency, reduced noise levels, cooler operating temperatures, better ride quality, and improved control during acceleration and deceleration.

Direct replacement modernization packages reduce engineering calculation and installation time — allowing profitable, repeatable modernizations.

Direct Replacement Modernization Packages

Features

- Installation time savings with much less work on-site
- Accurate control across the speed range
- Green - no gearbox oil to leak
- Low speed direct drive (no gears)
- Cooler operation
- Dual, independent brakes allow external rope brake to be eliminated (each brake will hold 125% of rated capacity)
- Complete hardware package eliminates on-site engineering calculation and fabrication of heavy base and beam structures

Applications

- Modernization or new construction
- Accurate control across the speed range

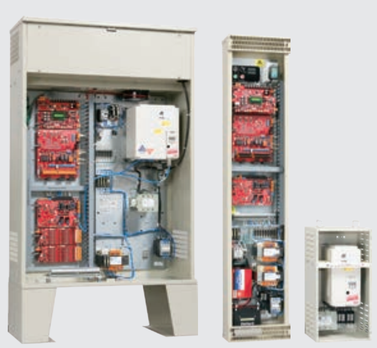
Controllers

iControl

Advanced design controller provides control, monitoring and diagnostic capability beyond competing products

- Modernization or new construction
- 16K pulse width modulation flux vector, with optional regenerative drive
- Optimized calibration, dispatching and traffic handling
- Streamlined, field configurable hardware design — fewer components to install, maintain or replace
- Up to 9.14 m/s with absolute control and feedback
- Up to 150 floors per riser, groups to 15 cars

Motion 4000 and Motion 4000MRL



Flexible, high performance – for low to mid-rise projects

- On-board configuration and diagnostics using LCD and keypad
- Torqmax F5 AC VVVF drive available in several configurations
- Up to 2.0 m/s with full distance feedback and absolute positioning
- Up to 32 floors per riser
- Simplex/duplex/groups to 6 cars

Motion 2000 Hydraulic Control

Simple, solid, dependable hydraulic elevator control

- Serial COP dramatically reduces traveler wire count
- Straightforward interface, switch programming and LCD display
- Field programmable with hand-held user interface
- Up to 1.0 m/s, 32 floors per riser and 64 openings
- Simplex/duplex/groups to 6 cars

ZXK-CAN3200C

Simplex/duplex/groups to six cars.

The ZXK-CAN 3200C is suitable for elevators up to 64 floors, full collective, duplex and group control.

- Contract Speed (meters per second): 4 m/s
- Floors/Openings: 64/128
- Group Size: to 6 cars

ZXK 3000B Traction Control

When Space is Limited.

ZXK 3000B VVVF and VVVF MRL uses a building block approach resulting in a small number of circuit boards with logically grouped functionality, linked by a high speed CAN bus. The main controller handles hoistway and machine room equipment. The car control board handles all car related equipment.

- Contract Speed (meters per second): 2 m/s
- Floors/Openings: 64/128
- Group Size: to 8 cars

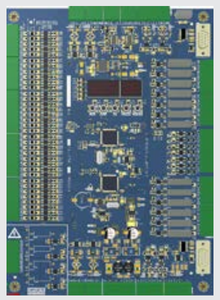
Motion 3000ES Escalator Control

Hardware reconfigurable, field programmable

- VVVF variable speed or Wye/Delta Direct Line Control
- Redundant safety programming
- Energy efficient option available
- ASME 17.1/CSA B44, BS EN115, and AS 1735.5 compliant

Microprocessor Boards

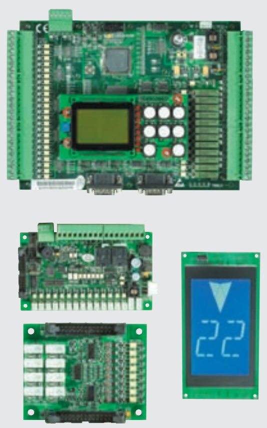
K-4000S



High speed control for mid to high rise passenger and freight applications

- Machine room (traction) and Machine roomless
- Up to 64 stops (front and rear doors)
- Speed up to 6.0 m/s - ETSL
- Supports S-Curve (direct to floor/true distance feedback) and stepping system
- Group control to 8 cars with group controller
- CAN and GPRS remote monitoring
- Handheld adjustment tool for in-car and machine room
- Auto floor learn & improved user interface
- Reduced traveling cable

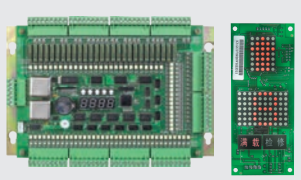
ZXK 3200 Control Board



ZXK-CAN3000B (simplex/duplex) and ZXK-CAN3200C (simplex/duplex/groups to eight cars) Control Board

- Philips CPU, 512K Flash ROM, program easily upgradable
- CAN BUS LAN serial communication technique at speeds of up to 125 k/s, rapid feedback
- LCD display, high safety and reliability with help of classified code protection
- Clock and fault diagnosis function, automatically recording fault information (type, time and position)
- Double door machine control (optional)
- Serial communication and modular structure applied, an instruction board for processing car signals and controlling the door machine directly
- Remote monitoring function, duplex is available
- Integration of hall call instruction and hall indication. Dot matrix and rolling display for direction and speed.
- Suitable for elevators up to 64 floors, full collective, duplex and group control up to 8 cars (without group controller)
- Electric brake release (optional)

ZXK1000 Passenger and Freight



Simplex

- Advanced ST CPU applied, 1M Flash ROM
- Parallel communication, real-time and quick feedback
- 4-digit LED display and 5-digit keyboard for convenient operation
- High safety and reliability with help of classified code protection
- Various display mode available: 7-segment code, BCD code or grey code
- Compound input/output structure applied for hall call, less wires and high reliability
- Fault diagnosis function, fault records up to 10 incidents
- Various driving mode available for VF, resistance and reactance
- Collective selective control, up to 6 floors (up to 12 floors with an extension board)

K-TFT LCD

High resolution 4.3" color LCD

- Field adjustable display via PC
- Display imported symbols or graphics from customers
- Large display characters that comply with various country codes
- Outputs for hall lanterns
- Build-in buzzer for call acknowledgement option
- Very slim design for surface mount LOP

Hybrid Control

Kinetek, a global leader in the design and manufacture of elevator control, drive, motor and complete elevator technology has introduced Fusion™, an innovative single unit solution that integrates control and drive technologies.

Fusion merges two previously distinct technologies — elevator control functionality and elevator drive performance — into a single, efficient union.

The result is a product that simplifies the installation and set up of an elevator — which reduces the resources, both monetary and labor, required to efficiently manage your elevator installations.

With Fusion, installation is simpler because the task of wiring the controller and drive has been eliminated. Because Fusion is a single unit, there is no additional wiring required between the controller and drive. After installation is complete, the advantages of Fusion continue through the set up process. Set up is much simpler because controller and drive parameters are synched as a single unit, and easy to adjust using the onboard keypad and LED display.

Fusion provides intelligent pre-torque, energizing the motor to prevent roll back and ensure prompt take-offs, regardless of the load in the car — all without requiring a load weigher.

Fusion supports static auto-tuning, allowing the drive portion to calculate motor stator and rotor resistance, stator and rotor inductance, and learn pole/encoder position for ACPM motors — all while the machine remains roped and loaded.

Fusion has other benefits too. The amount of control cabinet space is reduced, and with fewer operating components, Fusion is more reliable and requires fewer spare parts.

FUSION™

Innovative single unit solution integrates control and drive technologies

Applications

- Modernization or new construction
- Speeds to 4.0 m/s
- Simplex/duplex/groups to eight cars
- Synchronous or asynchronous motor

Destination Based Dispatching

Kinetek's Destination Based Dispatching is an innovative dispatching system that enhances building traffic flow by intelligently matching passengers to elevator cars and achieving optimal efficiency.

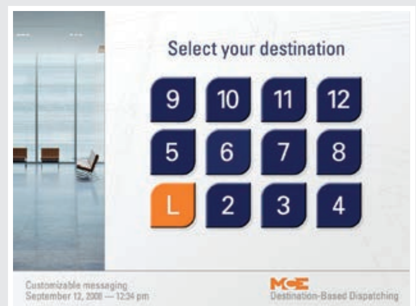
Destination entry is the first step for the passenger

10.4 inch applied mount

Touch Screens

Finish: #4 stainless steel

10.4 inch surface mount



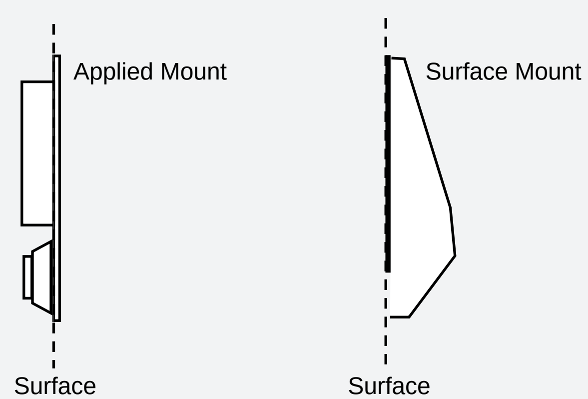
(A) Pick the floor

(B) Pick the number of riders

(C) Note the assignment

Keypad Destination Entry

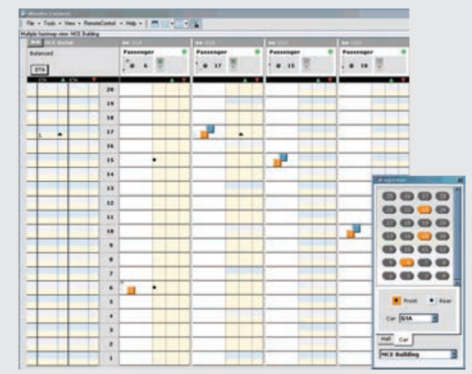
Mounting Options



Monitoring & Dispatching

Real time monitoring for all Kinetek controls

iMonitor



Elevator group monitoring application.

iMonitor provides real-time viewing and access — for elevators just across the hall, in multiple buildings across a campus, even multiple sites across the country. iMonitor's graphical presentation and real-time connectivity provide up-to-the-minute information and allow you to take control if needed.

iMonitor provides general views of multiple elevator groups, hoistway views of multiple cars within a group or detailed views of selected cars. Create "connection sets" to display — each connection set consists of up to fifty connections to elevator group dispatchers, each of which may be at a different physical site.

iMonitor also allows you to configure hall and car call security, enable or disable special group modes of operation, recall a car to a floor you specify, control its door operation at that floor and enable or disable individual car operating modes.

High level multi-group view.

Use iMonitor's high-level views to maintain a broad perspective on several groups simultaneously.

Detailed single-group view.

Narrow your attention to cars in a particular elevator group with a click of the mouse.

Campus View

Customized, three-dimensional layout of your site.

Kinetek's innovative Campus View software will allow you to view a customized, three-dimensional layout of your site. Structures with elevators or escalators use lighted icons to indicate normal conditions and to immediately alert you if a unit is operating in any mode other than normal operation.

"Mouse over" a transportation group to view connection information. Click on a group icon to access detailed information about each elevator car.

Safety Components

Progressive Safeties

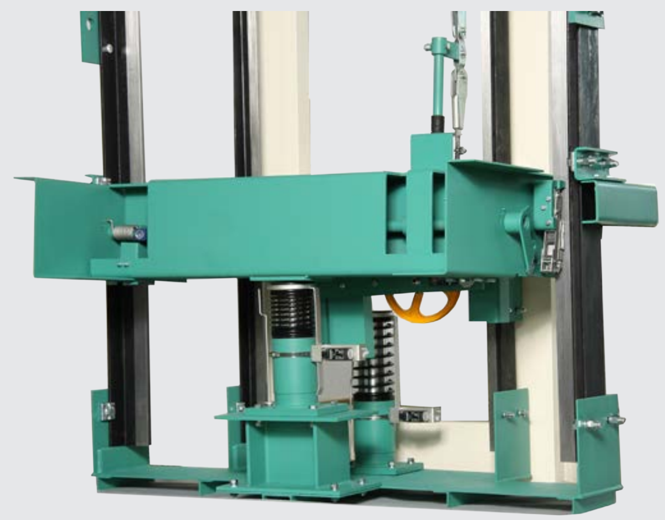
Progressive elevator safety. GB 7588-2003, EN81-1:1998 compatible.

Applications

- Modernization or new construction

Benefits

- Quality construction



Models	AQ10	AQ5Z
Tripping speed	0.58 to 2.62 m/s	≤ 3.22 m/s
Minimum mass	1200 kg	1200 kg
Maximum mass	3000 kg	4000 kg

Buffers

High quality, EN 81 compliant, hydraulic compression, spring return buffers. Buffers are provided with compression switch and oil level dipstick.

Models	**YH/100**	**YH/175**	**YH/206**
Maximum nominal speed	1.0 m/s	1.6 m/s	1.75 m/s
Maximum impact speed	1.15 m/s	1.84 m/s	2.01 m/s
Minimum mass	900 kg	900 kg	900 kg
Maximum mass	3000 kg	3000 kg	3000 kg
Hydraulic oil	L-HM66	L-HM66	L-HM66

Governor

The XS200 is a bi-directional, centrifugal overspeed governor designed to trip at 1.45 m/s in the up direction and at 1.34 m/s in the down direction.

Model	**XS-200**
Application	Bi-directional overspeed
Steel wire rope diameter	6 mm
Car rated speed	1.0 m/s
Pulling force of safety gear	≥ 600 N

Diverter Sheave

Diameter options:

- Φ320 mm
- Φ400 mm
- Φ480 mm
- Φ520 mm
- Φ650 mm (with internal bearing/shaft)