



MACHINE SOLUTIONS

LowRes



KINETEK®
Technology in Motion

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Kinetek Global Presence



Kinetek provides elevator motors and complete hoisting machines for induction and AC permanent magnet gearless applications. Kinetek motors and machines have proven quality and durability over years of service under all field conditions.

Kinetek provides a wide range of elevator motors and machines, addressing lifting requirements across the weight, speed, and roping spectrum. The depth and quality of our machine manufacturing capabilities assures you the highest performance over a long service life.

From controls and machines to cabs and fixtures, Kinetek provides the solutions the elevator industry requires. Drawing on the unique capabilities of our design centers, we take full advantage of precise engineering coupled to 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 (ZXX) 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 is a privately held global manufacturing company with facilities in North America, Europe and Asia. At the core of Kinetek's expertise is the design and production of technically advanced custom engineered control, motor and drive system solutions for world class customers. 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.

Elevator Machines



WTY1 Series



Compact package and high performance.

Capacity: 320 kg - 1600 kg 2:1 roping

Elevator Speed: 0.63 m/s - 2.5 m/s

Capacity: 320 kg - 800 kg 1:1 roping

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

WTY2 Series



Power over a wide range of applications.

Capacity: 1600 kg - 4000 kg 2:1 roping

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

SWTY1 Series



Compact package and high performance.

Capacity: 320 kg - 800 kg

Elevator Speed: 2.5 m/s

SWTY2 Series



1:1 roping for high power requirements.

Capacity: 1000 kg - 2000 kg

Elevator Speed: 1.0 - 2.5 m/s

WJ Series



Compact size, powerful acceleration.

Capacity: 320 kg - 1000 kg 2:1 roping

Elevator Speed: 0.63 - 1.75 m/s

WR Series



The perfect MRL solution.

Capacity: 320 kg - 1000 kg 1:1 roping

Elevator Speed: 1.0 - 1.75 m/s

Capacity: 450 kg - 2000 kg 2:1 roping

Elevator Speed: 1.0 - 1.75 m/s

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 Roping 2:1 - Single Wrap

Model	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WTY1-320-63	320	0.63	1.4	7.0	73	12.2	330	20	180	3-Φ8	12
WTY1-320-100	320	1.00	2.2	7.0	116	19.3	330	20	180	3-Φ8	12
WTY1-400-63-V	400	0.63	1.7	6.0	73	12.2	330	20	225	4-Φ8	12
WTY1-400-100-V	400	1.00	2.7	8.0	116	19.3	330	20	225	4-Φ8	12
WTY1-400-160-V	400	1.60	4.4	12.0	185	30.9	330	20	225	4-Φ8	12
WTY1-450-63-V	450	0.63	1.8	6.0	73	12.2	330	20	240	4-Φ8	12
WTY1-450-100-V	450	1.00	3.0	8.5	116	19.3	330	20	250	4-Φ8	12
WTY1-450-160-V	450	1.60	4.8	13.0	185	30.9	330	20	250	4-Φ8	12
WTY1-630-100	630	1.00	4.3	11.0	95	19.1	400	24	432	4-Φ8	12
WTY1-630-150	630	1.50	6.4	16.5	143	28.7	400	24	425	4-Φ8	12
WTY1-630-160	630	1.60	6.8	16.5	153	30.6	400	24	425	4-Φ8	12
WTY1-630-175	630	1.75	7.4	16.5	167	33.4	400	24	423	4-Φ8	12
WTY1-630-250	630	2.50	10.9	24.0	239	39.8	400	20	435	5-Φ10	16
WTY1-800-100-C	800	1.00	5.4	13.0	95	15.9	400	20	543	5-Φ10	16
WTY1-800-150-C	800	1.50	8.1	20.0	143	23.9	400	20	541	5-Φ10	16
WTY1-800-160-C	800	1.60	8.6	20.0	153	25.5	400	20	537	5-Φ10	16
WTY1-800-175-C	800	1.75	9.6	20.0	167	27.8	400	20	549	5-Φ10	16
WTY1-800-200-C	800	2.00	11.0	23.5	191	31.8	400	20	550	5-Φ10	16
WTY1-800-250-C	800	2.50	13.8	28.5	239	39.8	400	20	550	5-Φ10	16
WTY1-1000-63-C	1000	0.63	4.0	10.0	60	10.0	400	20	635	5-Φ10	16
WTY1-1000-100-C	1000	1.00	6.4	15.0	95	15.9	400	20	640	5-Φ10	16
WTY1-1000-150-C	1000	1.50	10.0	24.0	143	23.9	400	20	665	5-Φ10	16
WTY1-1000-160-C	1000	1.60	10.7	24.0	153	25.5	400	20	665	5-Φ10	16
WTY1-1000-175-C	1000	1.75	11.7	24.0	167	27.8	400	20	669	5-Φ10	16
WTY1-1000-200-C	1000	2.00	13.4	28.5	191	31.8	400	20	670	6-Φ10	16
WTY1-1000-250-C	1000	2.50	17.0	35.0	239	39.8	400	20	680	6-Φ10	16
WTY1-1150-100	1150	1.00	8.0	19.0	95	15.9	400	20	800	6-Φ10	16
WTY1-1150-150	1150	1.50	12.0	27.0	143	23.9	400	20	800	6-Φ10	16
WTY1-1150-160	1150	1.60	12.8	26.0	153	25.5	400	20	800	6-Φ10	16
WTY1-1150-175	1150	1.75	14.0	27.0	167	27.8	400	20	800	6-Φ10	16
WTY1-1150-200	1150	2.00	16.0	32.0	191	31.8	400	20	800	6-Φ10	16
WTY1-1150-250	1150	2.50	20.0	40.0	239	39.8	400	20	800	6-Φ10	16
WTY1-1250-63	1250	0.63	5.4	12.0	60	10.0	400	20	850	6-Φ10	16
WTY1-1250-100	1250	1.00	8.5	18.0	95	15.9	400	20	850	6-Φ10	16
WTY1-1250-150	1250	1.50	12.7	27.0	143	23.9	400	20	845	6-Φ10	16
WTY1-1250-160	1250	1.60	13.5	27.0	153	25.5	400	20	845	6-Φ10	16
WTY1-1250-175	1250	1.75	14.8	29.0	167	27.8	400	20	846	6-Φ10	16
WTY1-1250-200	1250	2.00	17.0	35.0	191	31.8	400	20	845	6-Φ10	16
WTY1-1250-250	1250	2.50	22.0	44.0	239	39.8	400	20	880	6-Φ10	16
WTY1-1350-100	1350	1.00	9.3	24.0	95	15.9	400	20	934	8-Φ10	16
WTY1-1350-150	1350	1.50	14.0	34.0	143	23.9	400	20	934	8-Φ10	16
WTY1-1350-160	1350	1.60	14.9	34.0	153	25.5	400	20	934	8-Φ10	16
WTY1-1350-175	1350	1.75	16.3	35.0	167	27.8	400	20	934	8-Φ10	16
WTY1-1350-200	1350	2.00	18.7	47.5	191	31.8	400	20	934	8-Φ10	16
WTY1-1350-250	1350	2.50	23.4	53.0	239	39.8	400	20	934	8-Φ10	16
WTY1-1600-100	1600	1.00	11.0	25.0	95	15.9	400	20	1107	8-Φ10	16
WTY1-1600-150	1600	1.50	16.4	40.0	143	23.9	400	20	1093	8-Φ10	16
WTY1-1600-160	1600	1.60	17.5	40.0	153	25.5	400	20	1094	8-Φ10	16
WTY1-1600-175	1600	1.75	19.0	41.0	167	27.8	400	20	1086	8-Φ10	16
WTY1-1600-200	1600	2.00	22.0	50.0	191	31.8	400	20	1107	8-Φ10	16
WTY1-1600-250	1600	2.50	27.7	62.5	239	39.8	400	20	1107	8-Φ10	16

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WTY2 Series Roping 2:1 - 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)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WTY2-1600-100	1600	1.00	11.0	25	75	12.5	508	20	1400	6-Φ12	18
WTY2-1600-160	1600	1.60	17.6	40	120	20.1	508	20	1400	6-Φ12	18
WTY2-1600-175	1600	1.75	19.3	42	132	21.9	508	20	1400	6-Φ12	18
WTY2-1600-200	1600	2.00	22.0	50	150	25.1	508	20	1400	6-Φ12	18
WTY2-1600-250	1600	2.50	27.6	60	188	31.1	508	20	1400	6-Φ12	18
WTY2-2000-50-C	2000	0.50	6.8	18	38	6.3	508	20	1727	7-Φ12	18
WTY2-2000-100-C	2000	1.00	13.5	32	75	12.5	508	20	1714	7-Φ12	18
WTY2-2000-160-C	2000	1.60	22.0	50	120	20.1	508	20	1746	7-Φ12	18
WTY2-2000-175-C	2000	1.75	24.0	51	132	21.9	508	20	1742	7-Φ12	18
WTY2-2000-200-C	2000	2.00	27.5	60	150	25.1	508	20	1746	7-Φ12	18
WTY2-2000-250-C	2000	2.50	34.5	75	188	31.3	508	20	1753	7-Φ12	18
WTY2-2500-50-C	2500	0.50	8.3	22	37	6.1	520	20	2145	9-Φ13	20
WTY2-2500-100-C	2500	1.00	16.5	35	73	12.2	520	20	2145	9-Φ13	20
WTY2-2500-160-C	2500	1.60	27.0	59	118	19.6	520	20	2194	9-Φ13	20
WTY2-2500-175-C	2500	1.75	29.6	60	129	21.4	520	20	2199	9-Φ13	20
WTY2-2500-200-C	2500	2.00	34.0	75	147	24.5	520	20	2210	9-Φ13	20
WTY2-2500-250-C	2500	2.50	43.0	95	184	30.6	520	20	2236	9-Φ13	20
WTY2-3000-100-C	3000	1.00	20.0	44	73	12.2	520	20	2600	9-Φ13	20
WTY2-3000-160-C	3000	1.60	31.0	80	118	19.6	520	20	2519	9-Φ13	20
WTY2-3000-175-C	3000	1.75	34.0	95	129	21.4	520	20	2526	9-Φ13	20
WTY2-3000-200-C	3000	2.00	39.0	108	147	24.5	520	20	2535	9-Φ13	20
WTY2-3000-250-C	3000	2.50	49.0	136	184	30.6	520	20	2548	9-Φ13	20
WTY2-3600-100	3600	1.00	23.0	60	66	24.1	580	44	3335	11-Φ13	20
WTY2-3600-160	3600	1.60	37.0	95	105	38.6	580	44	3353	11-Φ13	20
WTY2-3600-175	3600	1.75	40.5	105	115	42.3	580	44	3356	11-Φ13	20
WTY2-3600-200	3600	2.00	47.0	122	132	48.3	580	44	3407	11-Φ13	20
WTY2-3600-250	3600	2.50	59.0	154	165	60.4	580	44	3422	11-Φ13	20
WTY2-4000-100	4000	1.00	25.0	65	66	24.1	580	44	3625	11-Φ13	20
WTY2-4000-160	4000	1.60	40.0	105	105	38.6	580	44	3625	11-Φ13	20
WTY2-4000-175	4000	1.75	44.0	115	115	42.3	580	44	3646	11-Φ13	20
WTY2-4000-200	4000	2.00	50.0	130	132	48.3	580	44	3625	11-Φ13	20
WTY2-4000-250	4000	2.50	63.0	165	165	60.4	580	44	3654	11-Φ13	20

[illegible]

SWTY Series Roping 1:1 - Single Wrap

Model	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
SWTY1-320-100	320	1.00	2.2	6.0	48	9.5	400	24	431	4-Φ8	12
SWTY1-320-160	320	1.60	3.4	11.0	76	15.3	400	24	431	4-Φ8	12
SWTY1-320-175	320	1.75	3.8	11.0	84	16.7	400	24	431	4-Φ8	12
SWTY1-450-100	450	1.00	2.9	9.0	48	8.0	400	20	571	5-Φ10	16
SWTY1-450-160	450	1.60	4.6	13.0	76	12.7	400	20	571	5-Φ10	16
SWTY1-450-175	450	1.75	5.0	13.0	84	13.9	400	20	571	5-Φ10	16
SWTY1-630-100	630	1.00	4.0	10.0	48	8.0	400	20	799	6-Φ10	16
SWTY1-630-160	630	1.60	6.4	16.5	76	12.7	400	20	799	6-Φ10	16
SWTY1-630-175	630	1.75	7.2	16.5	84	13.9	400	20	823	6-Φ10	16
SWTY1-800-100	800	1.00	5.1	12.0	48	8.0	400	20	1015	8-Φ10	16
SWTY1-800-160	800	1.60	8.1	19.0	76	12.7	400	20	1015	8-Φ10	16
SWTY1-800-175	800	1.75	8.9	19.0	84	13.9	400	20	1015	8-Φ10	16
SWTY1-800-200	800	2.00	10.1	23.0	95	15.9	400	20	1015	8-Φ10	16
SWTY1-800-250	800	2.50	12.7	29.0	119	19.9	400	20	1015	8-Φ10	16
SWTY2-1000-100	1000	1.00	6.7	16.0	38	6.3	508	20	1711	7-Φ12	18
SWTY2-1000-160	1000	1.60	10.8	26.0	60	10.0	508	20	1711	7-Φ12	18
SWTY2-1000-175	1000	1.75	11.8	26.0	66	11.0	508	20	1711	7-Φ12	18
SWTY2-1000-200	1000	2.00	13.4	28.5	75	12.5	508	20	1711	7-Φ12	18
SWTY2-1000-250	1000	2.50	16.8	37.0	94	15.7	508	20	1711	7-Φ12	18
SWTY2-1150-100	1150	1.00	7.3	17.0	37	6.1	520	20	1896	9-Φ13	20
SWTY2-1150-160	1150	1.60	11.7	28.0	59	9.8	520	20	1896	9-Φ13	20
SWTY2-1150-175	1150	1.75	12.8	28.0	64	10.7	520	20	1896	9-Φ13	20
SWTY2-1150-200	1150	2.00	14.6	33.0	73	12.2	520	20	1896	9-Φ13	20
SWTY2-1150-250	1150	2.50	18.2	41.0	92	15.3	520	20	1896	9-Φ13	20
SWTY2-1250-100	1250	1.00	7.9	18.0	37	6.1	520	20	2061	9-Φ13	20
SWTY2-1250-160	1250	1.60	12.7	30.0	59	9.8	520	20	2061	9-Φ13	20
SWTY2-1250-175	1250	1.75	13.9	30.0	64	10.7	520	20	2061	9-Φ13	20
SWTY2-1250-200	1250	2.00	15.5	35.0	73	12.2	520	20	2013	9-Φ13	20
SWTY2-1250-250	1250	2.50	19.8	44.0	92	15.3	520	20	2061	9-Φ13	20
SWTY2-1350-100	1350	1.00	8.6	19.0	37	6.1	520	20	2226	9-Φ13	20
SWTY2-1350-160	1350	1.60	13.7	32.0	59	9.8	520	20	2226	9-Φ13	20
SWTY2-1350-175	1350	1.75	15.0	32.0	64	10.7	520	20	2226	9-Φ13	20
SWTY2-1350-200	1350	2.00	17.1	38.0	73	12.2	520	20	2226	9-Φ13	20
SWTY2-1350-250	1350	2.50	21.4	47.0	92	15.3	520	20	2226	9-Φ13	20
SWTY2-1600-100	1600	1.00	10.1	23.0	37	6.1	520	20	2638	9-Φ13	20
SWTY2-1600-160	1600	1.60	16.2	39.0	59	9.8	520	20	2638	9-Φ13	20
SWTY2-1600-175	1600	1.75	17.8	39.0	64	10.7	520	20	2638	9-Φ13	20
SWTY2-1600-200	1600	2.00	20.3	45.0	73	12.2	520	20	2638	9-Φ13	20
SWTY2-1600-250	1600	2.50	25.4	55.0	92	15.3	520	20	2638	9-Φ13	20
SWTY2-2000-100	2000	1.00	12.7	32.0	33	12.1	580	44	3678	11-Φ13	20
SWTY2-2000-160	2000	1.60	20.3	55.0	53	19.3	580	44	3678	11-Φ13	20
SWTY2-2000-175	2000	1.75	22.2	55.0	58	21.1	580	44	3678	11-Φ13	20
SWTY2-2000-200	2000	2.00	25.4	63.0	66	24.1	580	44	3678	11-Φ13	20
SWTY2-2000-250	2000	2.50	31.7	79.0	82	30.2	580	44	3678	11-Φ13	20

Groove	Cut Angle	Groove Angle	Roping	Wrap	Max. Load (kg)	Brake Type	Brake Voltage	Protection Rating	Insulation Class	Turning Gear	Remote Release	Inertia (kg m ²)	Weight (kg)
Undercut U	β=90°	γ=30°	1:1	single	2000	drum	AC110V	IP40	F	Y	Y	2.50	320
Undercut U	β=90°	γ=30°	1:1	single	2000	drum	AC110V	IP40	F	Y	Y	2.50	320
Undercut U	β=90°	γ=30°	1:1	single	2000	drum	AC110V	IP40	F	Y	Y	2.50	320
Undercut U	β=95°	γ=30°	1:1	single	3000	drum	AC110V	IP40	F	Y	Y	3.77	400
Undercut U	β=95°	γ=30°	1:1	single	3000	drum	AC110V	IP40	F	Y	Y	3.77	400
Undercut U	β=95°	γ=30°	1:1	single	3000	drum	AC110V	IP40	F	Y	Y	3.77	400
Undercut U	β=95°	γ=30°	1:1	single	5000	drum	AC110V	IP40	F	Y	Y	6.01	450
Undercut U	β=95°	γ=30°	1:1	single	5000	drum	AC110V	IP40	F	Y	Y	6.01	450
Undercut U	β=95°	γ=30°	1:1	single	5000	drum	AC110V	IP40	F	Y	Y	6.01	450
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC110V	IP40	F	Y	Y	7.30	620
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC110V	IP40	F	Y	Y	7.30	620
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC110V	IP40	F	Y	Y	7.30	620
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC110V	IP40	F	Y	Y	7.30	620
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC110V	IP40	F	Y	Y	7.30	620
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC220V	IP40	F	N	N	13.30	1180
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC220V	IP40	F	N	N	13.30	1180
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC220V	IP40	F	N	N	13.30	1180
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC220V	IP40	F	N	N	13.30	1180
Undercut U	β=95°	γ=30°	1:1	single	6000	drum	AC220V	IP40	F	N	N	13.30	1180
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1250
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1250
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1250
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1250
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1250
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	15.20	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	16.70	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	16.70	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	16.70	1350
Undercut U	β=95°	γ=30°	1:1	single	12000	drum	AC220V	IP40	F	N	N	16.70	1350
Undercut U	β=95°	γ=30°	1:1	single	15000	drum	AC220V	IP40	F	N	N	37.80	2850
Undercut U	β=95°	γ=30°	1:1	single	15000	drum	AC220V	IP40	F	N	N	37.80	2850
Undercut U	β=95°	γ=30°	1:1	single	15000	drum	AC220V	IP40	F	N	N	37.80	2850
Undercut U	β=95°	γ=30°	1:1	single	15000	drum	AC220V	IP40	F	N	N	37.80	2850
Undercut U	β=95°	γ=30°	1:1	single	15000	drum	AC220V	IP40	F	N	N	37.80	2850

WJ Series

WJ Series Roping 2:1 - 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)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WJ-320-63	320	0.63	1.4	7.0	73	12.2	330	20	180	3-Φ8	12
WJ-320-100	320	1.00	2.2	7.0	116	19.3	330	20	180	3-Φ8	12
WJ-450-100	450	1.00	3.0	8.5	116	19.3	330	20	250	4-Φ8	12
WJ-450-150	450	1.50	4.5	13.0	174	28.9	330	20	250	4-Φ8	12
WJ-450-160	450	1.60	4.8	13.0	185	30.9	330	20	250	4-Φ8	12
WJ-450-175	450	1.75	5.3	13.0	203	33.8	330	20	250	4-Φ8	12
WJ-630-100	630	1.00	4.3	11.0	95	15.9	400	20	432	4-Φ10	16
WJ-630-150	630	1.50	6.4	16.5	143	23.9	400	20	425	4-Φ10	16
WJ-630-160	630	1.60	6.8	16.5	153	25.5	400	20	425	4-Φ10	16
WJ-630-175	630	1.75	7.4	16.5	167	27.9	400	20	423	4-Φ10	16
WJ-800-100	800	1.00	5.4	12.0	95	15.9	400	20	543	5-Φ10	16
WJ-800-150	800	1.50	8.1	18.0	143	23.9	400	20	540	5-Φ10	16
WJ-800-160	800	1.60	8.6	18.0	153	25.5	400	20	537	5-Φ10	16
WJ-800-175	800	1.75	9.6	20.0	167	27.9	400	20	549	5-Φ10	16
WJ-1000-100	1000	1.00	6.4	15.0	95	15.9	400	20	640	5-Φ10	16
WJ-1000-150	1000	1.50	10.0	24.0	143	23.9	400	20	665	5-Φ10	16
WJ-1000-160	1000	1.60	10.7	24.0	153	25.5	400	20	665	5-Φ10	16
WJ-1000-175	1000	1.75	11.7	26.0	167	27.8	400	20	669	5-Φ10	16

Groove	Cut Angle	Groove Angle	Roping	Wrap	Max. Load (kg)	Brake Type	Brake Voltage	Protection Rating	Insulation Class	Turning Gear	Remote Release	Inertia (kg m ²)	Weight (kg)
Undercut U	90	30	2:1	single	900	Block	DC110V	IP40	F	N	Y	0.80	145
Undercut U	90	30	2:1	single	900	Block	DC110V	IP40	F	N	Y	0.80	145
Undercut U	90	30	2:1	single	1500	Block	DC110V	IP40	F	N	Y	1.10	200
Undercut U	90	30	2:1	single	1500	Block	DC110V	IP40	F	N	Y	1.10	200
Undercut U	90	30	2:1	single	1500	Block	DC110V	IP40	F	N	Y	1.10	200
Undercut U	90	30	2:1	single	1500	Block	DC110V	IP40	F	N	Y	1.10	200
Undercut U	95	30	2:1	single	2000	Block	DC110V	IP40	F	N	Y	2.48	260
Undercut U	95	30	2:1	single	2000	Block	DC110V	IP40	F	N	Y	2.48	260
Undercut U	95	30	2:1	single	2000	Block	DC110V	IP40	F	N	Y	2.48	260
Undercut U	95	30	2:1	single	2000	Block	DC110V	IP40	F	N	Y	2.48	260
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.45	300
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.45	300
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.45	300
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.45	300
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.77	320
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.77	320
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.77	320
Undercut U	95	30	2:1	single	3000	Block	DC110V	IP40	F	Y	Y	3.77	320

WR Series

WR Series Roping 2:1 - 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)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WR-450-100	450	1.00	3.1	8.0	119	19.9	320	20	249	4-Φ8	12
WR-450-160	450	1.60	5.0	12.0	191	31.8	320	20	249	4-Φ8	12
WR-450-175	450	1.75	5.4	12.0	209	34.8	320	20	249	4-Φ8	12
WR-630-100	630	1.00	4.4	11.0	119	19.9	320	20	349	5-Φ8	12
WR-630-160	630	1.60	7.0	17.0	191	31.8	320	20	349	5-Φ8	12
WR-630-175	630	1.75	7.6	17.0	209	34.8	320	20	349	5-Φ8	12
WR-800-100	800	1.00	5.5	15.0	119	19.9	320	20	443	6-Φ8	12
WR-800-160	800	1.60	8.9	21.0	191	31.8	320	20	443	6-Φ8	12
WR-800-175	800	1.75	9.7	21.0	209	34.8	320	20	443	6-Φ8	12
WR-1000-100	1000	1.00	6.9	18.5	119	19.9	320	20	553	6-Φ8	12
WR-1000-160	1000	1.60	11.1	26.0	191	31.8	320	20	553	6-Φ8	12
WR-1000-175	1000	1.75	12.1	26.0	209	34.8	320	20	553	6-Φ8	12
WR-1250-100	1250	1.00	8.6	23.0	119	19.9	320	20	692	9-Φ8	12
WR-1250-160	1250	1.60	13.8	33.0	191	31.8	320	20	692	9-Φ8	12
WR-1250-175	1250	1.75	15.1	33.0	209	34.8	320	20	692	9-Φ8	12
WR-1350-100	1350	1.00	9.3	25.0	119	19.9	320	20	747	9-Φ8	12
WR-1350-160	1350	1.60	14.9	35.0	191	31.8	320	20	747	9-Φ8	12
WR-1350-175	1350	1.75	16.3	35.0	209	34.8	320	20	747	9-Φ8	12
WR-1600-100	1600	1.00	11.1	30.0	119	19.9	320	20	885	10-Φ8	12
WR-1600-160	1600	1.60	17.7	42.0	191	31.8	320	20	885	10-Φ8	12
WR-1600-175	1600	1.75	19.4	42.0	209	34.8	320	20	885	10-Φ8	12
WR-2000-100	2000	1.00	13.8	37.0	119	19.9	320	20	1107	12-Φ8	12
WR-2000-160	2000	1.60	22.1	52.0	191	31.8	320	20	1107	12-Φ8	12
WR-2000-175	2000	1.75	24.2	52.0	209	34.8	320	20	1107	12-Φ8	12

WR Series Roping 1:1 - 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)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WR-320-100-S	320	1.00	2.1	8.0	60	9.9	320	20	335	5-Φ8	12
WR-450-100-S	450	1.00	2.9	10.0	60	9.9	320	20	470	6-Φ8	12
WR-450-160-S	450	1.60	4.7	13.0	95	15.9	320	20	470	6-Φ8	12
WR-450-175-S	450	1.75	5.1	13.0	104	17.4	320	20	470	6-Φ8	12
WR-630-100-S	630	1.00	4.1	14.0	60	9.9	320	20	659	9-Φ8	12
WR-630-160-S	630	1.60	6.6	17.0	95	15.9	320	20	659	9-Φ8	12
WR-630-175-S	630	1.75	7.2	17.0	104	17.4	320	20	659	9-Φ8	12
WR-800-100-S	800	1.00	5.2	17.5	60	9.9	320	20	836	10-Φ8	12
WR-800-160-S	800	1.60	8.4	21.0	95	15.9	320	20	836	10-Φ8	12
WR-800-175-S	800	1.75	9.1	21.0	104	17.4	320	20	836	10-Φ8	12
WR-1000-100-S	1000	1.00	6.5	21.5	60	9.9	320	20	1045	12-Φ8	12
WR-1000-160-S	1000	1.60	10.5	27.0	95	15.9	320	20	1045	12-Φ8	12
WR-1000-175-S	1000	1.75	11.4	27.0	104	17.4	320	20	1045	12-Φ8	12

[illegible]

WTYF2 Series

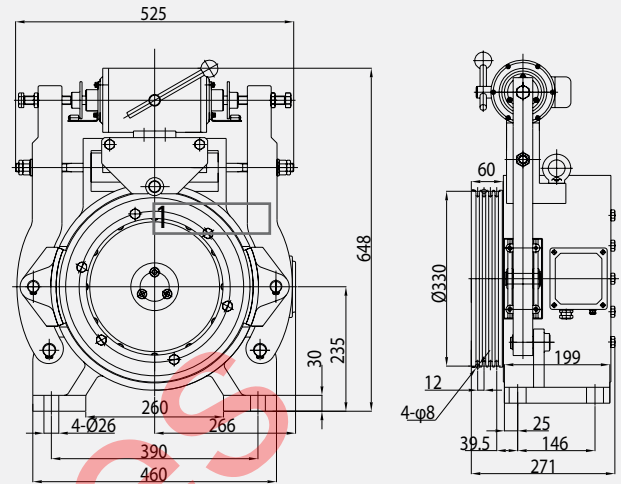
WTYF2 Series Roping 2:1 - Double Wrap (Internal Rotor)

Model	Capacity (kg)	Elevator Speed (m/s)	Rated Output (kW)	Rated Current (A)	Rated Speed (rpm)	Frequency (Hz)	Sheave Diameter (mm)	Poles (2p)	Torque (Nm)	Ropes	Groove Dist (mm)
WTYF2-1000-300	1000	3.0	20.8	44	220	36.7	520	20	899	4-Φ13	17
WTYF2-1000-350	1000	3.5	24.2	51	257	42.8	520	20	899	4-Φ13	17
WTYF2-1000-400	1000	4.0	27.7	60	294	49.0	520	20	899	4-Φ13	17
WTYF2-1150-300	1150	3.0	23.9	51	220	36.7	520	20	1034	4-Φ13	17
WTYF2-1150-350	1150	3.5	27.8	58	257	42.8	520	20	1034	4-Φ13	17
WTYF2-1150-400	1150	4.0	31.8	66	294	49.0	520	20	1034	4-Φ13	17
WTYF2-1250-300	1250	3.0	25.9	56	220	36.7	520	20	1124	4-Φ13	17
WTYF2-1250-350	1250	3.5	30.3	64	257	42.8	520	20	1124	4-Φ13	17
WTYF2-1250-400	1250	4.0	34.6	73	294	49.0	520	20	1124	4-Φ13	17
WTYF2-1350-300	1350	3.0	28.0	60	220	36.7	520	20	1214	4-Φ13	17
WTYF2-1350-350	1350	3.5	32.7	69	257	42.8	520	20	1214	4-Φ13	17
WTYF2-1350-400	1350	4.0	37.4	78	294	49.0	520	20	1214	4-Φ13	17
WTYF2-1600-300	1600	3.0	33.2	70	220	36.7	520	20	1439	4-Φ13	17
WTYF2-1600-350	1600	3.5	38.7	80	257	42.8	520	20	1439	4-Φ13	17
WTYF2-1600-400	1600	4.0	44.3	92	294	49.0	520	20	1439	4-Φ13	17
WTYF2-2000-300	2000	3.0	41.5	87	171	62.7	670	44	2317	6-Φ16	20
WTYF2-2000-350	2000	3.5	48.4	100	200	73.2	670	44	2317	6-Φ16	20
WTYF2-2000-400	2000	4.0	55.3	114	228	83.6	670	44	2317	6-Φ16	20
WTYF2-2500-300	2500	3.0	51.9	108	171	62.7	670	44	2897	6-Φ16	20
WTYF2-2500-350	2500	3.5	60.5	126	200	73.2	670	44	2897	6-Φ16	20
WTYF2-2500-400	2500	4.0	69.2	144	228	83.6	670	44	2897	6-Φ16	20
WTYF2-3000-300	3000	3.0	62.3	129	171	62.7	670	44	3476	6-Φ16	20
WTYF2-3000-350	3000	3.5	72.6	150	200	73.2	670	44	3476	6-Φ16	20
WTYF2-3600-300	3600	3.0	74.7	154	171	62.7	670	44	4171	6-Φ16	20
WTYF2-3600-350	3600	3.5	87.2	179	200	73.2	670	44	4171	6-Φ16	20
WTYF2-4000-300	4000	3.0	83.0	170	171	62.7	670	44	4635	6-Φ16	20
WTYF2-4000-350	4000	3.5	96.9	198	200	73.2	670	44	4635	6-Φ16	20

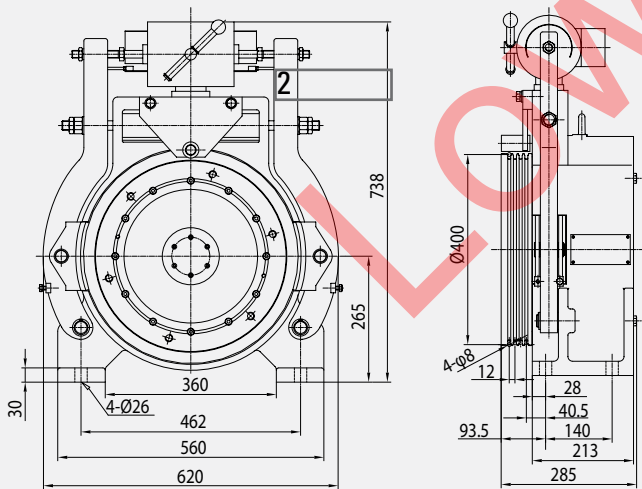
Groove	Cut Angle	Groove Angle	Roping	Wrap	Max. Load (kg)	Brake Type	Brake Voltage	Protection Rating	Insulation Class	Turning Gear	Remote Release	Inertia (kg m ²)	Weight (kg)
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.1	1050
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	10.9	1150
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	12.2	1250
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	12.2	1250
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	12000	drum	AC110V	IP40	F	Y	N	12.2	1250
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	34.1	2500
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	37.8	2850
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	25000	drum	AC220V	IP40	F	N	N	37.8	2850
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	30000	drum	AC220V	IP40	F	N	N	37.8	2850
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	30000	drum	AC220V	IP40	F	N	N	37.8	2850
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	30000	drum	AC220V	IP40	F	N	N	37.8	2850
U	$\beta=0^\circ$	$\gamma=25^\circ$	2:1	Double	30000	drum	AC220V	IP40	F	N	N	37.8	2850

Machine Specifications

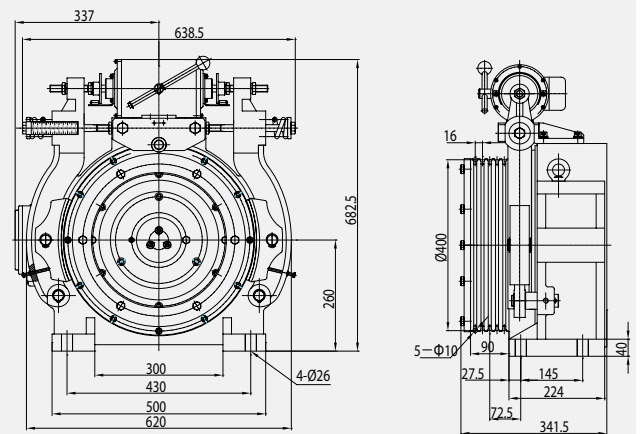
WTY1 Series



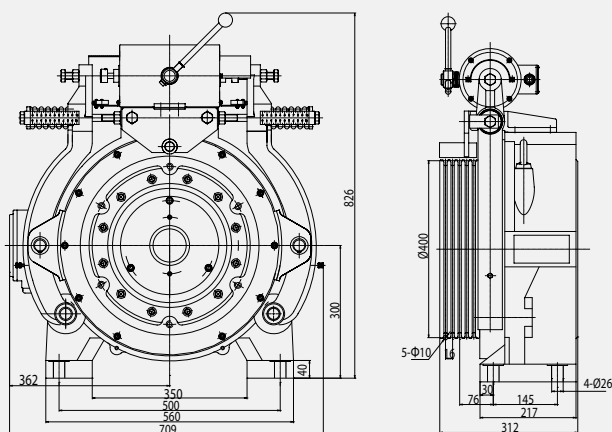
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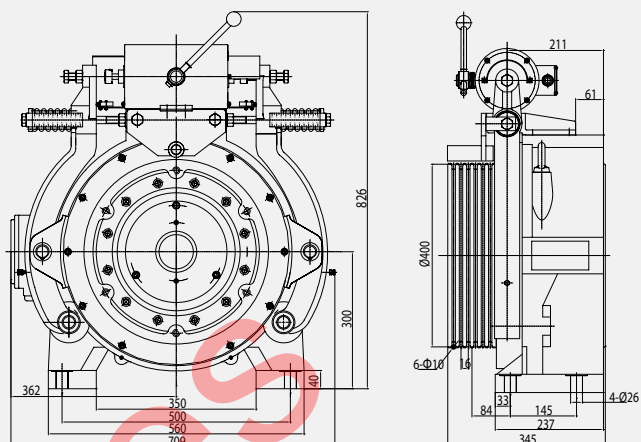
- 630 kg 2:1
- 1.0 m/s - 1.75 m/s



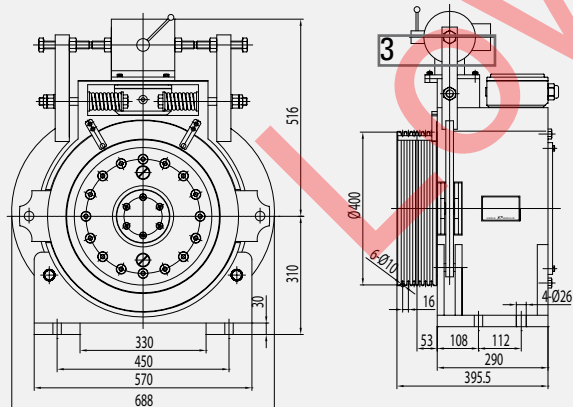
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- 1.0 m/s - 2.0 m/s



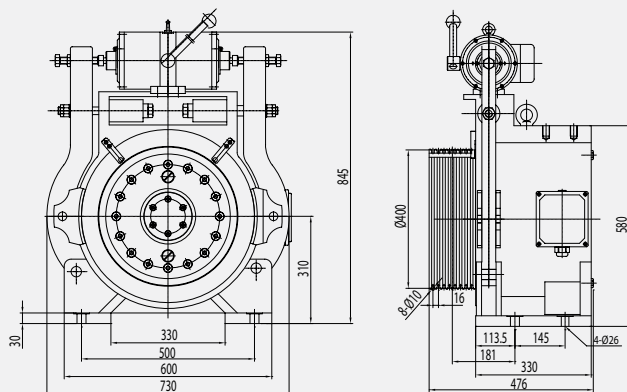
- 1000 kg - C 2:1
- 1.0 m/s - 1.75 m/s



- 1000 kg - C 2:1
- 2.0 m/s - 2.5 m/s

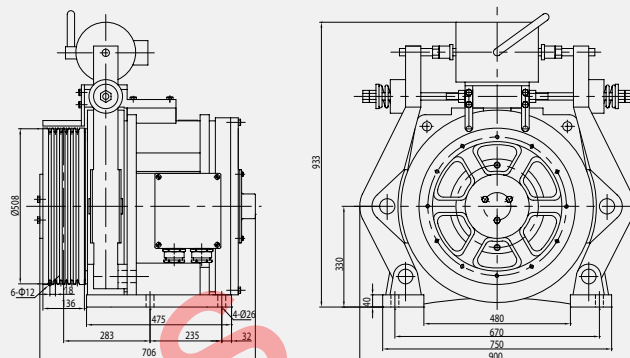


- 1150 - 1250 kg 2:1
- 1.0 m/s - 2.5 m/s

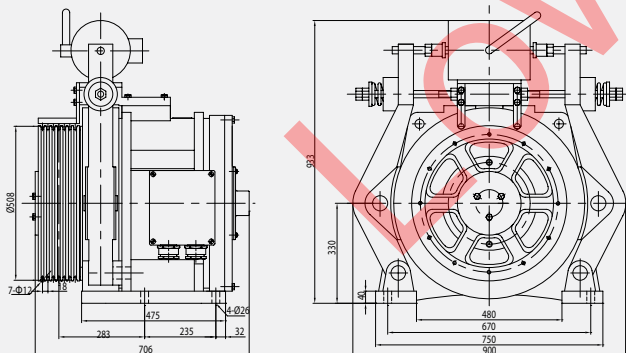


- 1350 - 1600 kg 2:1
- 1.0 m/s - 2.5 m/s

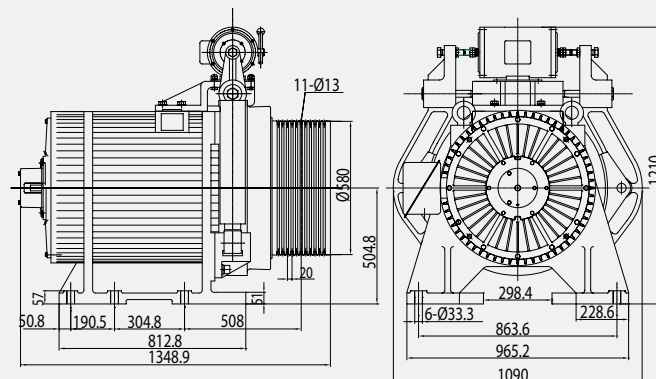
WTY2 Series



- 1600 kg 2:1
- 1.0 m/s - 2.5 m/s

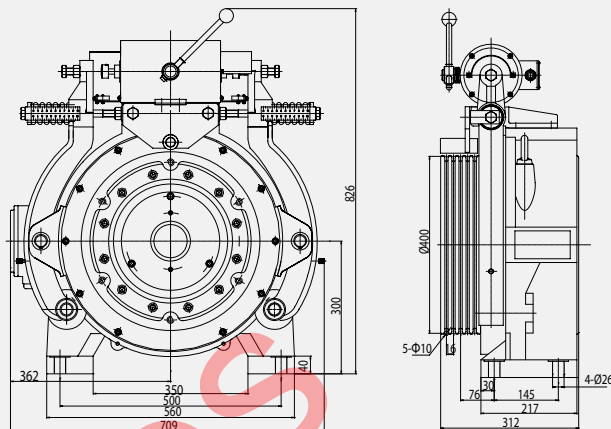


- 2000 kg - C 2:1
- 1.0 m/s - 2.5 m/s



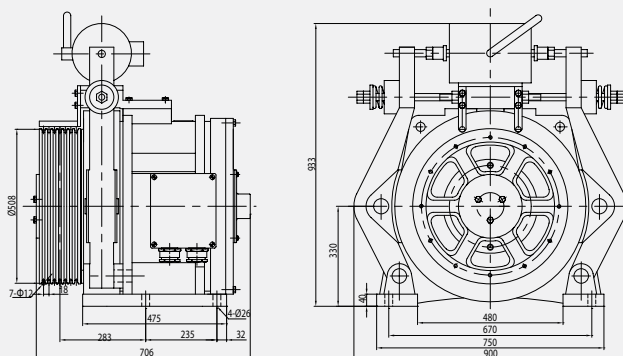
- 3600 kg - 4000 kg 2:1
- 1.0 m/s - 2.5 m/s

SWTY1 Series



- 450 kg 1:1
- 1.0 m/s - 1.75 m/s

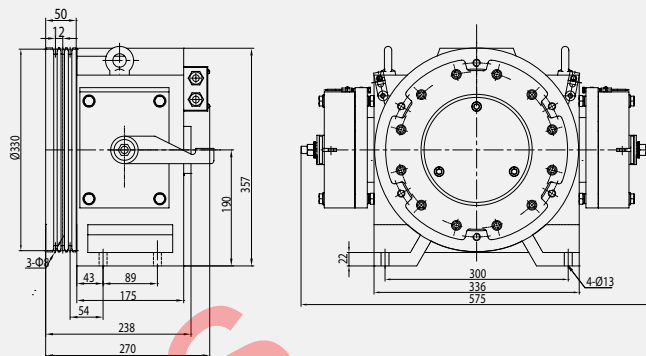
SWTY2 Series



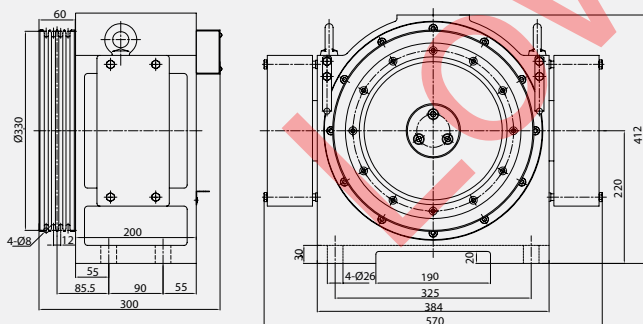
- 1000 kg 1:1
- 1.0 m/s - 1.75 m/s

Machine Specifications

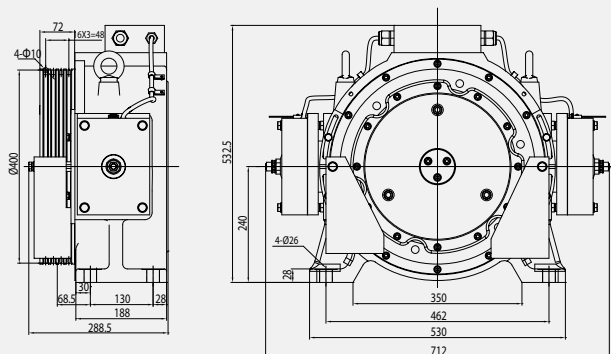
WJ Series



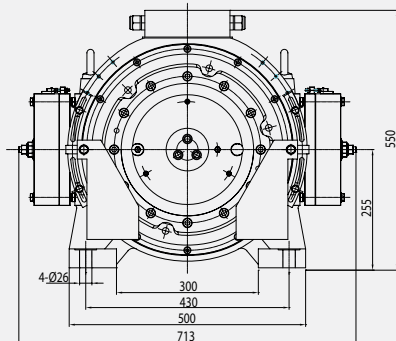
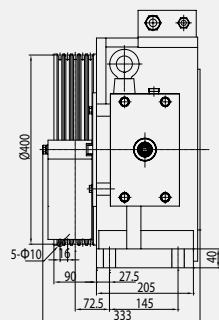
- 320 kg 2:1
- 0.63 m/s - 1.75 m/s



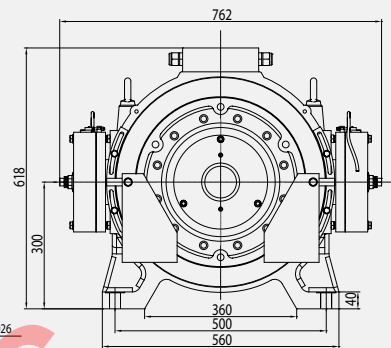
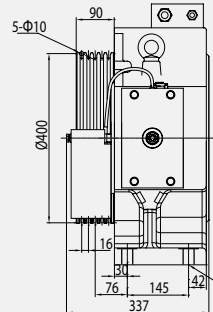
- 450 kg 2:1
- 1.0 m/s - 1.75 m/s



- 630 kg 2:1
- 1.0 m/s - 1.75 m/s



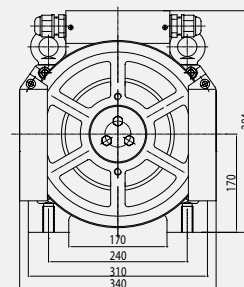
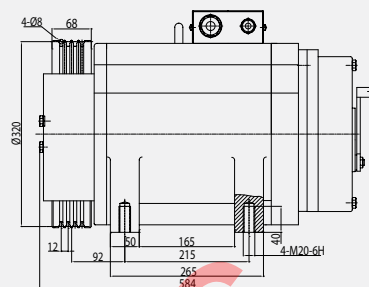
- 800 kg 2:1
- 1.0 m/s - 1.75 m/s



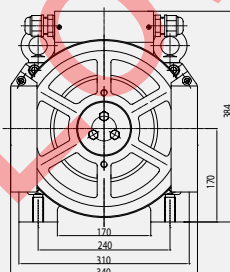
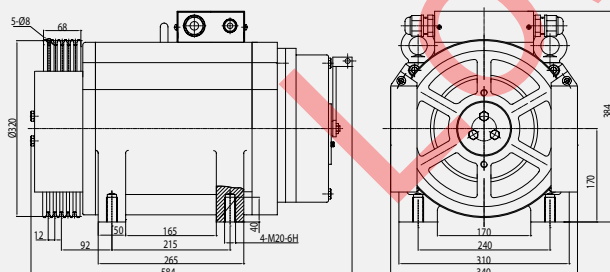
- 1000 kg 2:1
- 1.0 m/s - 1.75 m/s

Machine Specifications

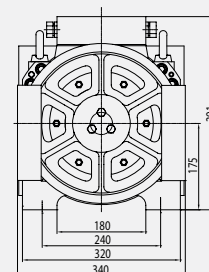
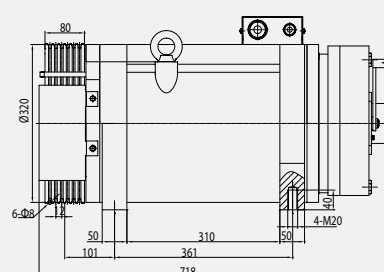
WR Series



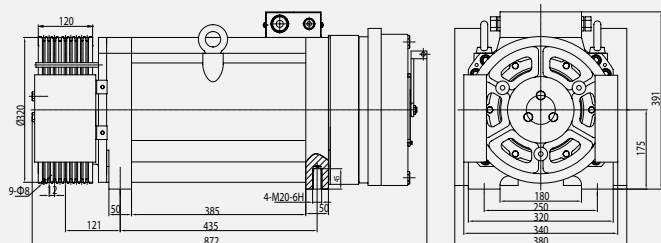
- 450 kg 2:1
- 1.0 m/s - 1.75 m/s



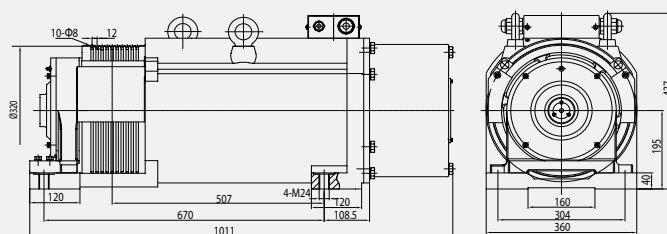
- 630 kg 2:1
- 1.0 m/s - 1.75 m/s
- 320 kg 1:1
- 1.0 m/s-1.75 m/s



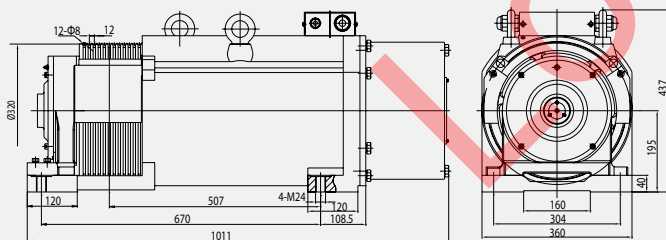
- 800 - 1000 kg 2:1
- 1.0 m/s - 1.75 m/s
- 450 kg 1:1
- 1.0 m/s - 1.75 m/s



- 1350 kg 2:1
- 1.0 m/s - 1.75 m/s
- 630 kg 1:1
- 1.0 m/s - 1.75 m/s

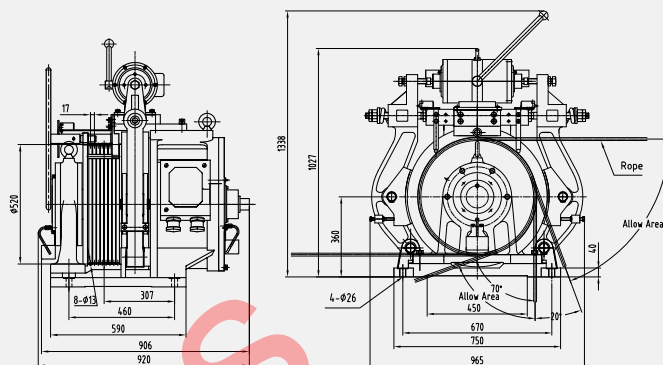
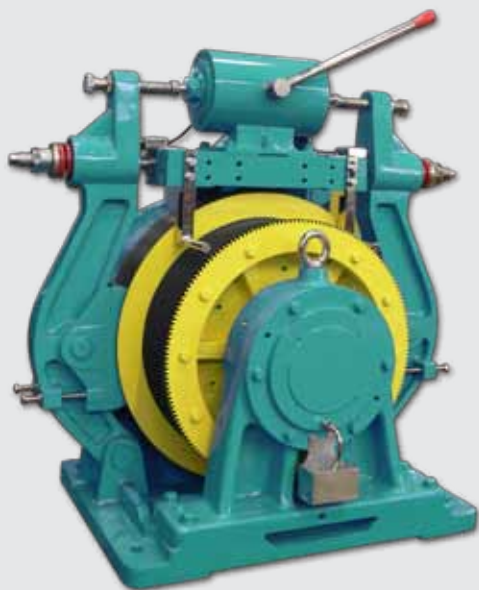


- 1600 kg 2:1
- 1.0 m/s - 1.75 m/s
- 800 kg 1:1
- 1.0 m/s - 1.75 m/s

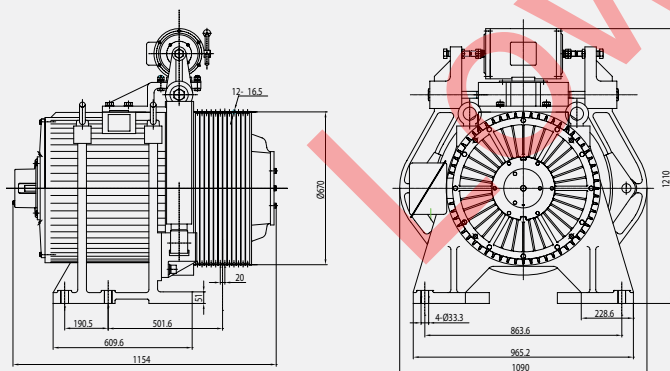


- 2000 kg 2:1
- 1.0 m/s - 1.75 m/s
- 1000 kg 1:1
- 1.0 m/s - 1.75 m/s

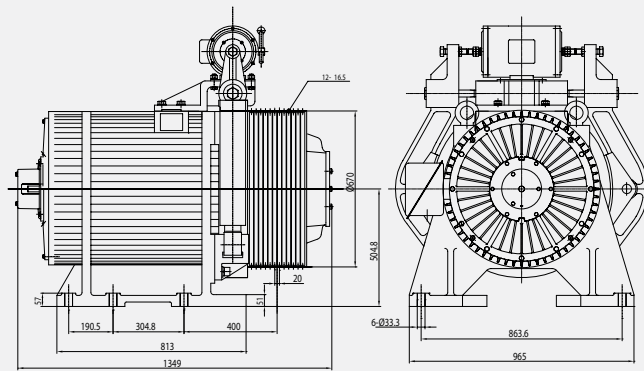
WTYF2 Series



- 1000 - 1600 kg 2:1
- 3.0 m/s - 4.0 m/s



- 1000 - 1350 kg 1:1
- 3.0 m/s - 7.0 m/s



- 3000 - 4000 kg 2:1
- 3.0 m/s - 3.5 m/s

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 standard products can connect to Heidenhain and Tamagawa encoders.

Single wrap uses Undercut U shape groove, 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.

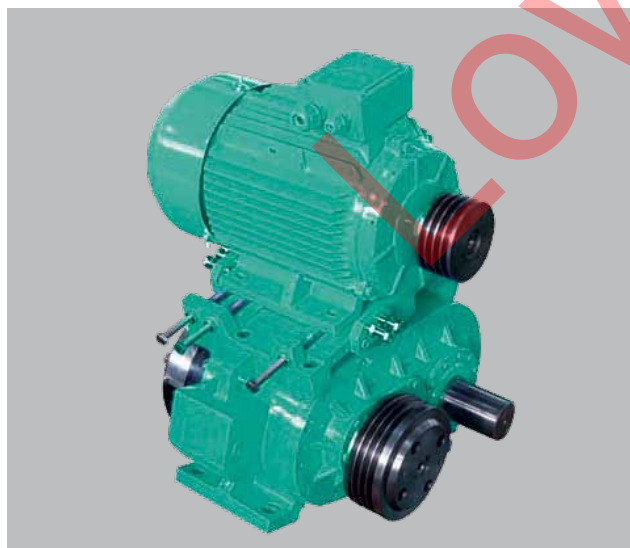
Escalator Machine Overview

Escalator Motor-YFD160 Series

Gear Boxes	Model	SIEMENS CG35-125	EMERSON FTJ125A
	Center Distance	125	
	Ratio	24 5:1	
Brakes	Brake Force	450 ~ 700	
	Rated Voltage	AC/DC 110/220V	
Escalator Motor Power Range		5.5 ~ 7.5	5.5 ~ 9

Escalator Motor-YFT160 Series

Escalator Motor-YFT160 Series						
Model Type	YFT160				YFT160	
Rated Output (kW)	5.5	7.5	8	9	5.5	7.5
Rated Voltage (V)	380				380	
Rated Frequency (Hz)	50				50	
Rated Current (A)	12	17	19	20	11	15
Rated Speed RPM	6				4	
Poles	960				1450	
Power Factor	0.75				0.8	
Connection	△				△	
Protection Rating	IP21		IP55		IP21	IP55
Insulation Class	F				F	
Duty	S1/S6 60%				S1/S6 60%	
Locked-Rotor Torque Ratio	2.3				2.3	
Locked-Rotor Torque Ratio	5.8				6	



Notes:

1. Rated voltage: 220 - 460V; Frequency: 50 and 60HZ.
2. Safety switch can be installed.
3. Customization can be done by Kinetek.

The YFD series commercial horizontal escalator drive machine is composed of the KDS vertical escalator motor and a single worm transmission gearbox. It features high efficiency, low noise, runs smooth and is compact. The gearboxes of SIEMENS, EMERSON, QINCHUAN and various brands are compatible.

Features

- Ambient temperature: varies with seasons, but not to exceed 40°C
- Altitude: less than 1000 m
- Frequency: 50 Hz (60 Hz)
- Voltage: 380 V (220 V ~ 480 V)
- Connection: Δ Connection
- Working duty: S1
- Insulation: F
- Protection: IP44/IP55

Applications

- Heavy duty escalators
- Moving walkways

YFD - Commercial Vertical Escalator Drive Machine



Drive Machine		Motor			Brake			Gearbox	
Model	Torque (Nm)	Rated Output (kW)	Speed (rpm)	IP	Type	Solenoid Voltage (V)	Brake Torque (Nm)	Type	Ratio
YFD132	1072	5.5	960	IP55	Drum brake	AC 220V	2x135	CRW125	24.5:1
YFD160	1462	7.5	960				2x135	CRW125	24.5:1
YFD160	1754	9.0	960				2x135	CRW160	24.5:1
YFD160	2144	11.0	960				2x165	CRW160	24.5:1
YFD180	2534	13.0	960				2x225	CRW160	24.5:1
YFD180	2924	15.0	960				2x225	CRW160	24.5:1
YFD132	802	5.5	1440				2x135	CRW125	27.5:1
YFD132	1094	7.5	1440				2x135	CRW125	27.5:1
YFD160	1313	9.0	1440				2x135	CRW125	27.5:1

YFD - Commercial Horizontal Escalator Motor

The YFT series horizontal escalator motor has a three-phase squirrel cage induction. It's specifically designed for an automatic escalator. It features high efficiency, high starting torque, low noise, low vibration, and excellent performance. The power grade and dimensions meet IEC standard requirements.

Features

- Ambient temperature: 0°C ~ +40°C
- Altitude: less than 1000 m
- Frequency: 50 Hz (60 Hz)
- Voltage: 380 V (220 V ~ 480 V)
- Connection: Δ Connection
- Working duty: S1
- Insulation: F
- Protection: IP44/IP55

Applications

- Escalators
- Moving walkways

YFT - Commercial Horizontal Escalator Motor



Model	Rated Output (kW)	Full Load					Locked Rotor Current Ratio	Locked Rotor Torque Ratio	Max Torque Ratio	IP
		Current (A)	rpm	orque (Nm)	fficiency	Power Factor				
YFT112M-4	4.0	8.7	1440	26.5	86.0%	0.82	6.5	2.2	2.3	IP44/IP55
YFT132S-4	5.5	11.5	1440	36.5	87.5%	0.84	6.5	2.2	2.3	
YFT132M-4	7.5	15.2	1440	49.7	87.5%	0.86	7.0	2.2	2.3	
YFT132M-4	9.5	19.2	1440	63.0	87.5%	0.86	7.0	2.2	2.3	
YFT160M-4	11.0	22.2	1460	72.5	88.5%	0.85	7.0	2.2	2.3	
YFT160L-4	15.0	29.6	1460	98.8	89.5%	0.85	7.0	2.2	2.3	
YFT160L-6	11.0	24.0	970	108.3	86.0%	0.80	6.5	2.2	2.3	
YFT180L-6	15.0	31.6	970	147.7	87.0%	0.81	6.5	2.2	2.3	

The YFT series vertical escalator motor has been specially designed for automatic escalators. It features high efficiency, high starting torque, low noise, low vibration, and excellent performance. It's highly reliable and compact.

Features

- Ambient temperature: 0°C ~ +40°C
- Altitude: less than 100 0m
- Frequency: 50 Hz (60 Hz)
- Voltage: 380 V (220 V ~ 480 V)
- Connection: Δ Connection
- Working duty: S1 (S6 60%)
- Insulation: F

Applications

- Escalators
- Moving walkways

YFT - Commercial Vertical Escalator Motor



Model	Rated Output (kW)	Full Load				Start/Rated Current	Start/Rated Torque	IP
		Current (A)	Speed (rpm)	Efficiency	Power Factor			
YFT132-6	5.5	14	960	80%	0.76	6.5	2.2	IP21/IP55
YFT160-6	7.5	17	960	85%	0.78	6.5	2.2	
	9.0	21	960	85%	0.78	6.5	2.2	
YFT180-6	11	25	960	86%	0.78	6.5	2.2	
	13	29	960	86%	0.79	6.5	2.2	
YFT132-4	15	33	960	87%	0.79	6.5	2.2	
	5.5	12	1440	85%	0.84	7.0	2.2	
YFT160-4	7.5	16	1440	88%	0.84	7.0	2.2	
	9.0	19	1440	88%	0.84	7.0	2.2	



ISO 9001
2000



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