

Traction Machine Selection Chart

Sr. No	Rated Load [kg]	Model	Speed [m/s]	Height [m]	Car Weight [kg]	Max. Static Load [kg]	Gear Ratio	Sheave Dia [mm]	Rope [mm]	Power [kw]	Current [A]	Rated Speed [rpm]	Rooping
1	150	HE-3.5	0.32	15	180	800	50/1	305	2/3x8	1.5	3	940	1:1
2	250	HE-3.5	0.32	10	300	800	50/1	305	2/3x8	2.2	5	940	1:1
3	250	HE-3.5	0.45	10	300	800	50/1	305	3x8	2.2	4.5	1440	1:1
4	272	HE-3.5	0.38	15	330	800	30/1	305	3x8	2.2	4.5	1440	2:1
5	272	HE-4	0.62	26	330	2500	40/1	510	3x10/13	3	6.8	920	1:1
6	340	HE-4	0.62	26	410	2500	40/1	510	3x10/13	3.75	8.5	920	1:1
7	408	HE-4	0.62	23	490	2500	40/1	510	3x10/13	3.75	8.5	920	1:1
8	408	HE-5	0.65	30	490	3050	40/1	530	3x10/13	3.75	8.5	920	1:1
9	408	HE-5 EL	0.65	40	490	3800	40/1	530	3x13	4.5	10	920	1:1
10	408	HE-5	1.00	30	490	3050	40/1	530	3x13	4.5	9	1400	1:1
11	408	HE-5 EL	1.00	40	490	3800	40/1	530	3x13/4x10	5.6	11	1400	1:1
12	544	HE-4	0.32	23	650	2500	40/1	510	3x13	3.75	8.5	920	2:1
13	544	HE-5 EL	0.65	23	650	3800	40/1	530	3x13/4x10	4.5	10	920	1:1
14	544	HE-5 EL	1.00	23	650	3800	40/1	530	3x13/4x10	5.6	11	1400	1:1
15	544	HEL-55	0.65	40	650	4000	40/1	530	3x13/4x10	5.6	13	920	1:1
16	544	HE-6	0.65	50	650	4500	40/1	530	4x13	6.75	15	920	1:1
17	544	HEL-55	1.00	30	650	4000	40/1	530	3x13/4x10	5.6	11	1400	1:1
18	544	HE-6	1.00	50	650	4500	40/1	530	4x13	7.5	15	1400	1:1
19	544	HE-6	1.00	50	650	4500	50/2	610	3x13 / 4 x 10	5.6	11	1400	2:1
20	544	HE-6 EL	1.00	56	650	4800	40/1	530	4x13	7.5	15	1400	1:1
21	544	HEL-65	1.00	60	650	5100	40/1	530	4x13	9	18	1400	1:1
22	680	HEL-55	0.75	23	650	4000	40/1	410	4x10	5.6	11	1400	1:1
23	680	HE-6 EL	0.65	30	820	4800	40/1	530	4x13	7.5	17	920	1:1
24	680	HEL-65	1.00	30	820	5100	40/1	530	4x13	9	18	1400	1:1
25	680	HE-7	1.00	80	820	6500	80/2	530	4x13	9	18	1400	1:1
26	680	HE-7	1.50	80	820	6500	53/2	530	4x13	11	22.5	1400	1:1
27	800	HE-5	0.32	26	960	3050	40/1	530	3x13	4.5	9	920	2:1
28	884	HEL-65	0.75	20	1060	5100	40/1	410	5x10	7.5	15	1400	1:1
29	884	HE-7	0.65	60	1060	6500	80/2	530	4x13	9	20	920	1:1
30	884	HE-8	0.65	80	1060	7800	80/2	530	4x13	9	20	920	1:1
31	884	HE-7	1.00	50	1060	6500	80/2	530	4x13	9	18	1400	1:1
32	884	HE-8	1.00	80	1060	7800	80/2	530	4x13	11	22.5	1400	1:1
33	884	HE-8	1.50	80	1060	7800	53/2	530	5x13	13	26	1400	1:1
34	1000	HE-5 EL	0.50	23	1200	3800	40/1	530	3x13/4x10	5.6	11	1400	2:1
35	1000	HE-6	0.32	40	1200	4500	40/1	530	4x13	6.75	15	920	2:1
36	1000	HE-6	0.50	40	1200	4500	40/1	530	4x13	7.5	15	1400	2:1
37	1020	HE-7	0.65	30	1225	6500	80/2	530	4x13	11	25.5	920	1:1
38	1020	HE-8	0.65	60	1225	7800	80/2	530	4x13	11	25.5	920	1:1
39	1020	HE-7	1.00	30	1225	6500	80/2	530	4x13	13	26	1400	1:1
40	1020	HE-7	1.00	40	1225	6500	53/2	710	4x13	7.5	15	1400	2:1
41	1020	HE-8	1.00	60	1225	7800	80/2	530	4x13	13	26	1400	1:1
42	1020	HE-9	1.00	100	1225	9000	60/2	610	5x13	15	34	920	1:1

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Sr. No	Rated Load [kg]	Model	Speed [m/s]	Height [m]	Car Weight [kg]	Max. Static Load [kg]	Gear Ratio	Sheave Dia [mm]	Rope [mm]	Power [kw]	Current [A]	Rated Speed [rpm]	Rooping
43	1020	HE-8	1.50	50	1225	7800	53/2	530	5x13	15	30	1400	1:1
44	1020	HE-9	1.50	100	1225	9000	60/2	610	6x13	17	34	1400	1:1
45	1300	HE-7	1.00	40	1560	6500	53/2	710	4x13	9	18	1400	2:1
46	1360	HE-8	0.65	30	1635	7800	80/2	530	4x13	11	25.5	920	1:1
47	1360	HE-8	1.00	30	1635	7800	80/2	530	5x13	15	30	1400	1:1
48	1360	HE-9	1.00	80	1635	9000	60/2	610	5x13	17	38	920	1:1
49	1360	HE-9	1.50	80	1635	9000	60/2	610	6x13	18.75	37.5	1400	1:1
50	1500	HE-6EL	0.30	26	1800	4800	40/1	530	4x13	6.75	15	920	2:1
51	1500	HEL-65	0.50	30	1800	5100	40/1	530	4x13	7.5	15	1400	2:1
52	1500	HE-7	0.50	50	1800	6500	80/2	530	4x13	9	18	1400	2:1
53	1500	HE-9	0.65	80	1800	9000	50/1	610	5x13	17	38	920	1:1
54	1500	HE-7	0.75	50	1800	6500	53/2	530	4x13	9	18	1400	2:1
55	1500	HE-8	1.00	30	1800	7800	53/2	710	5x13	11	22.5	1400	2:1
56	1500	HE-9	1.00	80	1800	9000	60/2	610	6x13	18.75	42.5	920	1:1
57	1500	HE-9	1.50	60	1800	9000	60/2	610	6x13	22.5	45	1400	1:1
58	1700	HE-9	1.00	50	2040	9000	60/2	610	6x13	18.75	42.5	920	1:1
59	1700	HE-9	1.50	50	2040	9000	60/2	610	6x13	22.5	45	1400	1:1
60	1800	HE-10.5	0.65	80	2160	10000	60/1	610	6x13	18.75	37.5	1400	1:1
61	1800	HE-9	1.00	30	2160	9000	60/2	710	6x13	17	34	1400	2:1
62	2000	HE-165	0.30	20	2400	5200	40/1	530	4X13	9	20	920	2:1
63	2000	HE-7	0.32	30	2400	6500	80/2	530	4x13	9	20	920	2:1
64	2000	HE-8	0.30	40	2400	7800	80/2	530	4x13	9	20	920	2:1
65	2000	HE-7	0.50	26	2400	6500	80/2	530	4x13	11	22.5	1400	2:1
66	2000	HE-8	0.50	40	2400	7800	80/2	530	4x13	11	22.5	1400	2:1
67	2000	HE-10.5	0.50	40	2400	10000	60/1	610	6x13	22.5	51	920	1:1
68	2000	HE-10.5	1.00	40	2400	10000	60/2	610	7x13	26.5	59.5	920	1:1
69	2000	HE-10.5	1.00	40	2400	10000	60/2	710	6x13	17	34	1400	2:1
70	2000	HE-12	1.00	100	2400	11000	60/2	610	7x13	26.5	59.5	920	1:1
71	2000	HE-12	1.50	100	2400	11000	60/2	610	7x13	30	60	1400	1:1
72	2500	HE-8	0.30	30	3000	7800	80/2	530	4x13	11	25.5	920	2:1
73	2500	HE-8	0.50	30	3000	7800	80/2	530	5x13	13	26	1400	2:1
74	2500	HE-10.5	0.75	50	3000	10000	60/2	610	6x13	17	34	1400	2:1
75	2500	HE-12	0.75	100	3000	11000	60/1	610	7x13	26.5	52.5	1400	1:1
76	2500	HE-12	1.00	100	3000	11000	60/2	610	7x13	30	68	920	1:1
77	2500	HE-12	1.50	80	3000	11000	60/2	610	7x13	37.5	75	1400	1:1
78	3000	HE-8	0.30	23	3600	7800	50/1	530	5x13	13	30	920	2:1
79	3000	HE-9	0.30	50	3600	9000	50/1	610	5x13	15	34	920	2:1
80	3000	HE-9	0.50	40	3600	9000	60/2	610	6x13	17	38	920	2:1
81	3000	HE-12	0.50	80	3600	11000	60/1	610	7x13	30	68	920	1:1
82	3000	HE-10.5	0.75	50	3600	10000	60/2	610	7x13	20.5	41	1400	2:1
83	3000	HE-12	1.00	80	3600	11000	60/2	710	7x13	26.5	52.5	1400	2:1
84	3500	HE-9	0.30	30	4200	9000	50/1	610	6x13	17	38	920	2:1
85	3500	HE-10.5	0.50	30	4200	10000	60/2	610	7x13	20.5	46.75	920	2:1
86	4000	HE-10.5	0.30	50	4800	10000	60/1	610	7x13	22.5	51	920	2:1
87	4000	HE-12	0.50	50	4800	11000	60/2	610	7x13	26.5	59.5	920	2:1
88	4500	HE-12	0.30	50	5400	11000	60/1	710	7x13	26.5	59.5	920	2:1
89	5000	HE-12	0.30	50	6000	11000	60/1	710	7x13	30	68	920	2:1

REMARK 1. Car Weight is about 1.2 times of Rated load. 2. The table is just for reference to select our machine and you must calculate for your elevator. 3. Data are subject to change without prior notice.

Geared Traction Machine Selection Chart

MRL

Sr. No	Rated Load [kg]	Model	Speed [m/s]	Height [m]	Car Weight [kg]	Max. Static Load [kg]	Gear Ratio	Sheave Dia [mm]	Rope [mm]	Power [kw]	Current [A]	Rated Speed [rpm]	Rooping
1	408	HE-130	0.50	30	490	3050	40/1	410	3x10	3.75	8.5	920	1:1
2	408	HE-130	0.65	30	490	3050	50/2	410	3x10	3.75	7.5	1400	2:1
3	408	HE-140	0.65	50	490	4300	40/1	530	3x13 / 4x10	4.5	10	920	1:1
4	408	HE-130	0.75	30	490	3050	40/1	410	3x10	3.75	7.5	1400	1:1
5	408	HE-140	0.75	50	490	4300	40/1	410	4x10	4.5	9	1400	1:1
6	408	HE-130	1.00	30	490	3050	40/1	530	3x13	4.5	9	1400	1:1
7	408	HE-130-EL	1.00	40	490	3800	40/1	530	3x13/4x10	5.6	11	1400	1:1
8	408	HE-140	1.00	50	490	4300	40/1	530	4x13	5.6	11	1400	1:1
9	408	HE-140	1.50	50	490	4300	50/2	530	4x13	6.75	13.5	1400	1:1
10	544	HE-130	0.65	30	650	3050	50/2	410	3x10	3.75	7.5	1400	2:1
11	544	HE-130-EL	0.65	23	650	3800	40/1	530	3x13/4x10	4.5	10	920	1:1
12	544	HE-140	0.65	40	650	4300	40/1	530	3x13/4x10	5.6	13	920	1:1
13	544	HE-165	0.65	60	650	5200	50/2	410	4x10	5.6	11	1400	2:1
14	544	HE-140	0.75	40	650	4300	40/1	410	4x10	5.6	11	1400	1:1
15	544	HE-165	0.75	60	650	5200	40/1	410	5x10	7.5	15	1400	1:1
16	544	HEL-130	1.00	30	650	4000	40/1	530	3x13/4 x10	5.6	11	1400	1:1
17	544	HE-140	1.00	40	650	4300	40/1	530	3x13/4x10	6.75	13.5	1400	1:1
18	544	HE-140	1.00	40	650	4300	50/2	610	3x13/4x10	5.6	11	1400	2:1
19	544	HE-165	1.50	60	650	5200	50/2	530	4x13	9	18	1400	1:1
20	680	HE-130	0.65	26	820	3050	50/2	410	3x10	4.5	9	1400	2:1
21	680	HEL-130	1.00	23	820	4000	40/1	530	4x10	7.5	15	1400	1:1
22	680	HE-165	0.65	40	820	5200	50/2	410	4x10	5.6	11	1400	2:1
23	680	HE-165	0.75	40	820	5200	40/1	410	5x10	7.5	15	1400	1:1
24	680	HE-165	1.00	30	820	5200	40/1	530	4x13	9	18	1400	1:1
25	884	HE-130-EL	0.65	26	1060	3800	50/2	410	4x10	5.6	11	1400	2:1
26	884	HE-165	0.65	26	1060	5200	40/1	530	4x13	9	20	920	1:1
27	884	HE-165	1.00	30	1060	5200	50/2	610	3x13/4x10	9	18	1400	2:1
28	1000	HE-130-EL	0.32	26	1200	3800	40/1	530	3x13/4x10	5.6	13	920	2:1
29	1000	HE-140	0.32	30	1200	4300	40/1	530	4x13	5.6	13	920	2:1
30	1000	HEL-130	0.50	26	1200	4000	40/1	530	4x13/4x10	5.6	11	1400	2:1
31	1000	HE-140	0.50	30	1200	4300	40/1	530	4x13	6.75	13.5	1400	2:1
32	1000	HE-140	0.65	30	1200	4300	50/2	410	5x10	7.5	15	1400	2:1
33	1000	HE-165	0.75	30	1200	5200	50/2	530	4x13	9	18	1400	2:1
34	1360	HE-165	0.65	30	1640	5200	50/2	410	5x10	9	18	1400	2:1
35	1500	HE-165	0.50	30	1800	5200	40/1	530	4x13	7.5	15	1400	2:1

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