

“SANEI” TRACTION MACHINE (WORM GEAR)
DUTY TABLE FOR PASSENGER ELEVATOR

Person	Load (KG)	Speed (M/Min)	Machine Type	Gear Ratio	Main Sheave	Motor (KW)	Roping
6	450	60	SKE-450F2-60	1/39	500x12x4	5.5	1:1
		90	SKE-450F2-90	2/51	480x12x4	7.5	1:1
8	550	60	SKE-450F2-60	1/39	500x12x4	5.5	1:1
		90	SKE-450F2-90	2/51	480x12x4	7.5	1:1
		105	SKE-600F2-105	2/41	480x12x4	11	1:1
9 or 10	600 or 700	60	SKE-450F2-60	1/39	500x12x4	7.5	1:1
		90	SKE-450F2-90	2/51	480x12x4	11	1:1
		105	SKE-600F2-105	2/41	480x12x4	11	1:1
		120	SKE-600F2-120	2/41	530x12x5	15	1:1
11	750	60	SKE-600F2-60	1/43	530x12x4	7.5	1:1
		90	SKE-600F2-90	2/54	530x12x4	11	1:1
		105	SKE-600F2-105	2/41	480x12x4	11	1:1
		120	SKE-600F2-120	2/41	530x12x5	15	1:1
13	900	60	SKE-600F2-60	1/43	530x12x5	11	1:1
		90	SKE-600F2-90	2/54	530x12x5	15	1:1
		105	SKE-800F2-105	2/56	650x12x5	15	1:1
		120	SKE-800F2-120	2/46	600x12x5	22	1:1
15	1000	60	SKE-600F2-60	1/43	530x12x5	11	1:1
		90	SKE-600F2-90	2/54	530x12x5	15	1:1
		105	SKE-800F2-105	2/56	650x12x5	18.5	1:1
		120	SKE-800F2-120	2/46	600x12x5	22	1:1
17	1150	60	SKE-800F2-60	1/46	600x12x6	11	1:1
		90	SKE-800F2-90	2/56	560x12x6	18.5	1:1
		105	SKE-950F2-105	2/63	670x12x6	18.5	1:1
		120	SKE-950F2-120	2/51	670x12x6	22	1:1
20	1350	60	SKE-950F2-60	1/52	670x12x6	15	1:1
		90	SKE-950F2-90	2/63	640x12x6	18.5	1:1
		105	SKE-950F2-105	2/63	670x12x6	22	1:1
24	1600	60	SKW-1300F-60	1/56	750x16x5	15	1:1

MAXIMUM SHAFT LOAD DATA

M/C Type	SKE-450F2	SKE-600F2	SKE-800F2	SKE-950F2	SKW-1300F	SKW-1500F
Max. Shaft Load	3200 Kg.	4000 Kg.	5300 Kg.	8000 Kg.	8500 Kg.	15000 Kg.

MAXIMUM SHAFT LOAD FORMULA :

CS = P+Q+CWT+SR+TR+CC (ROPING 1:1)

CS = {P+Q+CWT+SR+TR+CC}÷2 (ROPING 2:1)

CS = Max. Shaft load, P = Mass of the car, Q = Load capacity, CWT = Mass of counterweight, SR = Mass of wire rope
TR = Mass of traveling cable, CC = Mass of compensate chain or compensate rope