

Floor loading

When the forklift is operated on the second floor or higher (places where it is necessary to verify the floor strength), please consult the following data and the formula.

The formula to calculate floor loading

$$\text{Equivalent floor loading per 1 m}^2 \text{ (kg / m}^2\text{)} = \frac{\text{Forklift weight unloaded or loaded (kg)}}{\text{Floor area (A) } \times \text{ 2.5 (coefficient based on experience)}}$$

Calculate floor area (A), four-wheel trucks

$$\text{Floor area (m}^2\text{)} = \frac{(\text{Front tread} + \text{Rear tread}) \times \text{Wheelbase}}{2}$$

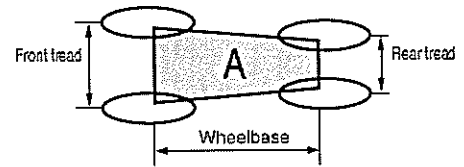


Table of floor loading

Gasoline

Model	T/C	Tread(m)		Wheelbase (m)	Rated capacity (kg)	Service weight (kg)	Floor loading(kg·m ⁻²)	
		Front	Rear				Loaded	Unloaded
FG10	C	0.89	0.895	1.4	1000	2120	679	999
FG10	T	0.89	0.895	1.4	1000	2080	666	986
FG15	C	0.89	0.895	1.4	1500	2490	797	1277
FG15	T	0.89	0.895	1.4	1500	2450	784	1265
FG18	C	0.89	0.895	1.4	1750	2685	860	1420
FG18	T	0.89	0.895	1.4	1750	2645	847	1407
FG15H	C	0.89	0.895	1.4	1500	2490	797	1277
FG15H	T	0.89	0.895	1.4	1500	2450	784	1265
FG18H	C	0.89	0.895	1.4	1750	2685	860	1420
FG18H	T	0.89	0.895	1.4	1750	2645	847	1407
FG20	C	0.965	0.96	1.65	2000	3255	820	1324
FG20	T	0.965	0.96	1.65	2000	3220	811	1315
FG25	C	0.965	0.96	1.65	2500	3625	913	1543
FG25	T	0.965	0.96	1.65	2500	3590	904	1534
FG30	C	1.025	0.965	1.7	3000	4255	1006	1716
FG30	T	1.025	0.965	1.7	3000	4210	996	1705
FG20H	C	0.965	0.96	1.65	2000	3255	820	1324
FG20H	T	0.965	0.96	1.65	2000	3220	811	1315
FG25H	C	0.965	0.96	1.65	2500	3625	913	1543
FG25H	T	0.965	0.96	1.65	2500	3590	904	1534
FG20N	T	0.9	0.885	1.4	2000	3230	1034	1674
FG25N	T	0.9	0.885	1.4	2500	3630	1162	1962
FG30N	T	0.9	0.885	1.45	3000	4070	1258	2185
FG35A	T	1.06	0.965	1.7	3500	4910	1141	1954

Diesel

C : Clutch T : TORQFLOW

Model	T/C	Tread(m)		Wheelbase (m)	Rated capacity (kg)	Service weight (kg)	Floor loading(kg·m ⁻²)	
		Front	Rear				Loaded	Unloaded
FD10	C	0.89	0.895	1.4	1000	2220	711	1031
FD10	T	0.89	0.895	1.4	1000	2180	698	1018
FD15	C	0.89	0.895	1.4	1500	2590	829	1309
FD15	T	0.89	0.895	1.4	1500	2550	816	1297
FD18	C	0.89	0.895	1.4	1750	2785	892	1452
FD18	T	0.89	0.895	1.4	1750	2745	879	1439
FD20	C	0.965	0.96	1.65	2000	3355	845	1349
FD20	T	0.965	0.96	1.65	2000	3310	834	1337
FD25	C	0.965	0.96	1.65	2500	3725	938	1568
FD25	T	0.965	0.96	1.65	2500	3680	927	1557
FD30	C	1.025	0.965	1.7	3000	4345	1027	1737
FD30	T	1.025	0.965	1.7	3000	4310	1019	1729
FD20H	C	0.965	0.96	1.65	2000	3355	845	1349
FD20H	T	0.965	0.96	1.65	2000	3310	834	1337
FD25H	C	0.965	0.96	1.65	2500	3725	938	1568
FD25H	T	0.965	0.96	1.65	2500	3680	927	1557
FD30H	C	1.025	0.965	1.7	3000	4345	1027	1737
FD30H	T	1.025	0.965	1.7	3000	4310	1019	1729
FD20N	T	0.9	0.885	1.4	2000	3330	1066	1706
FD25N	T	0.9	0.885	1.4	2500	3730	1194	1994
FD30N	T	0.9	0.885	1.45	3000	4170	1289	2216
FD35A	T	1.06	0.965	1.7	3500	5010	1164	1978