

FLOOR LOADING DEFINITIONS

Floor loading, also referred to as ground pressure, is an industry term used to determine whether a given floor can withstand a Hy-Brid Lift™ being driven on it. The capacity of a floor must not only support the weight of the machine, but also the machine length and width, platform capacity, wheel size, and material, which are all factored in when determining floor loading.

PLATFORM CAPACITY

The amount of external weight added onto the platform.

GROSS MACHINE WEIGHT (GMW)

Minimum: the weight of the machine excluding external weight on the platform.

Maximum: the weight of the machine plus the maximum platform capacity.

OCCUPIED FLOOR AREA

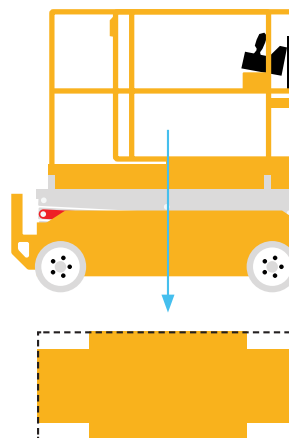
The estimated floor space occupied by the machine base, calculated as the projected chassis length times the projected chassis width.

MACHINE LOAD

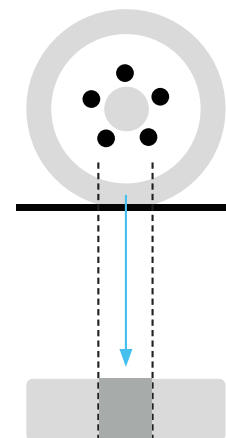
The average pressure that the entire machine exerts over the occupied floor area (measured in **PSF**) while supporting its rated load. This is relevant to the floor structure (beams, concrete) and what the floor has strength to support.

MAXIMUM WHEEL LOAD

The maximum pressure that any one wheel exerts on the floor (measured in **PSI**) while supporting its rated load. This is relevant to the floor surface (tiles, carpet) and what it can withstand without being cracked, punctured, etc.



Occupied floor area



Approximate wheel contact area

HY-BRID LIFTS™ WEIGHTS, LOADS, & PRESSURES

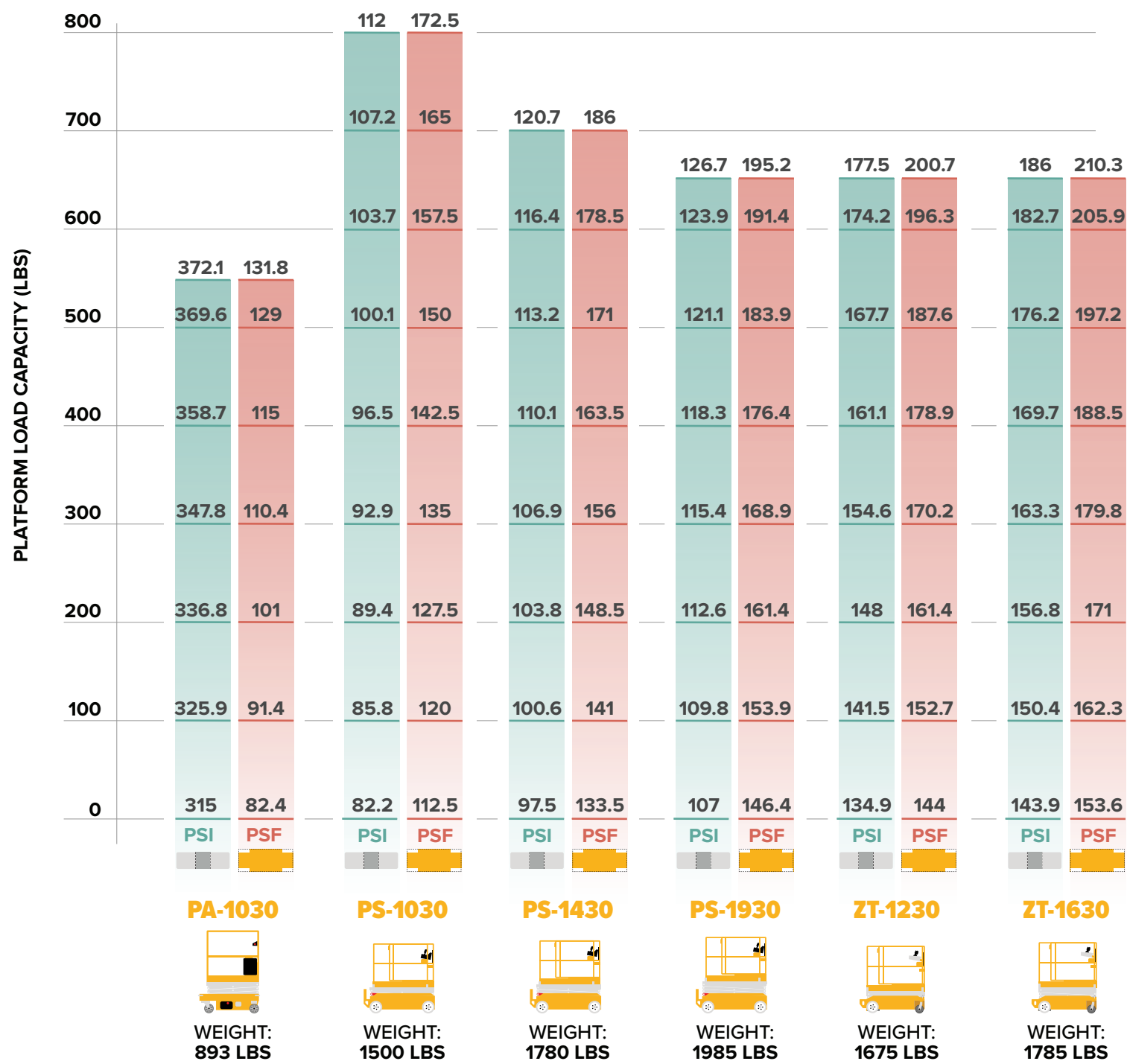
	PA-1030		PS-1030		PS-1430		PS-1930		ZT-1230		ZT-1630	
Weight	893 lbs		1500 lbs		1780 lbs		1985 lbs		1675 lbs		1785 lbs	
Platform Capacity	530 lbs		800 lbs		700 lbs		650 lbs		650 lbs		650 lbs	
Measurement	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF
Wheel Load at Minimum Capacity	315	82.4	82.2	112.5	97.5	133.5	107	146.4	134.9	144	143.9	153.6
Wheel Load at 500 lbs Capacity	369.6	127.3	100.8	150	114.1	171	122.2	183.9	166.6	187.6	174.4	197.2
Wheel Load at Maximum Capacity	372.1	131.8	112	172.5	120.7	186	126.7	195.2	177.5	200.7	186	210.3

For more information about how floor load pressures can impact jobsites call:

1-866-334-0756

HY-BRID LIFTS™
BY CUSTOM EQUIPMENT LLC

HY-BRID LIFTS™ WEIGHTS, LOADS, & PRESSURES



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