

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 would lead one to first consider the weight of the machine, but also the machine length and width, platform capacity, and wheel size and material which are all factored in when determining floor loading.

PLATFORM CAPACITY

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:

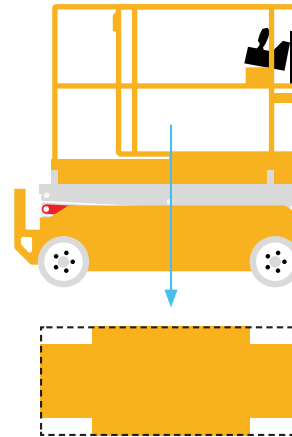
The weight of the machine plus the maximum platform capacity.

OCCUPIED FLOOR AREA

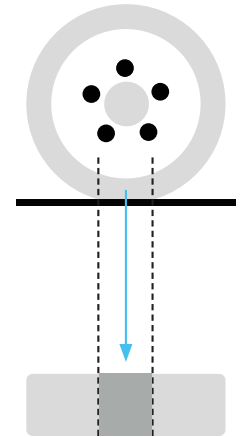
The projected contact area of the footprint of the machine, calculated as the projected chassis length times the projected chassis width.

MACHINE LOAD

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



Occupied Floor Area



Approximate Wheel Contact Area

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.

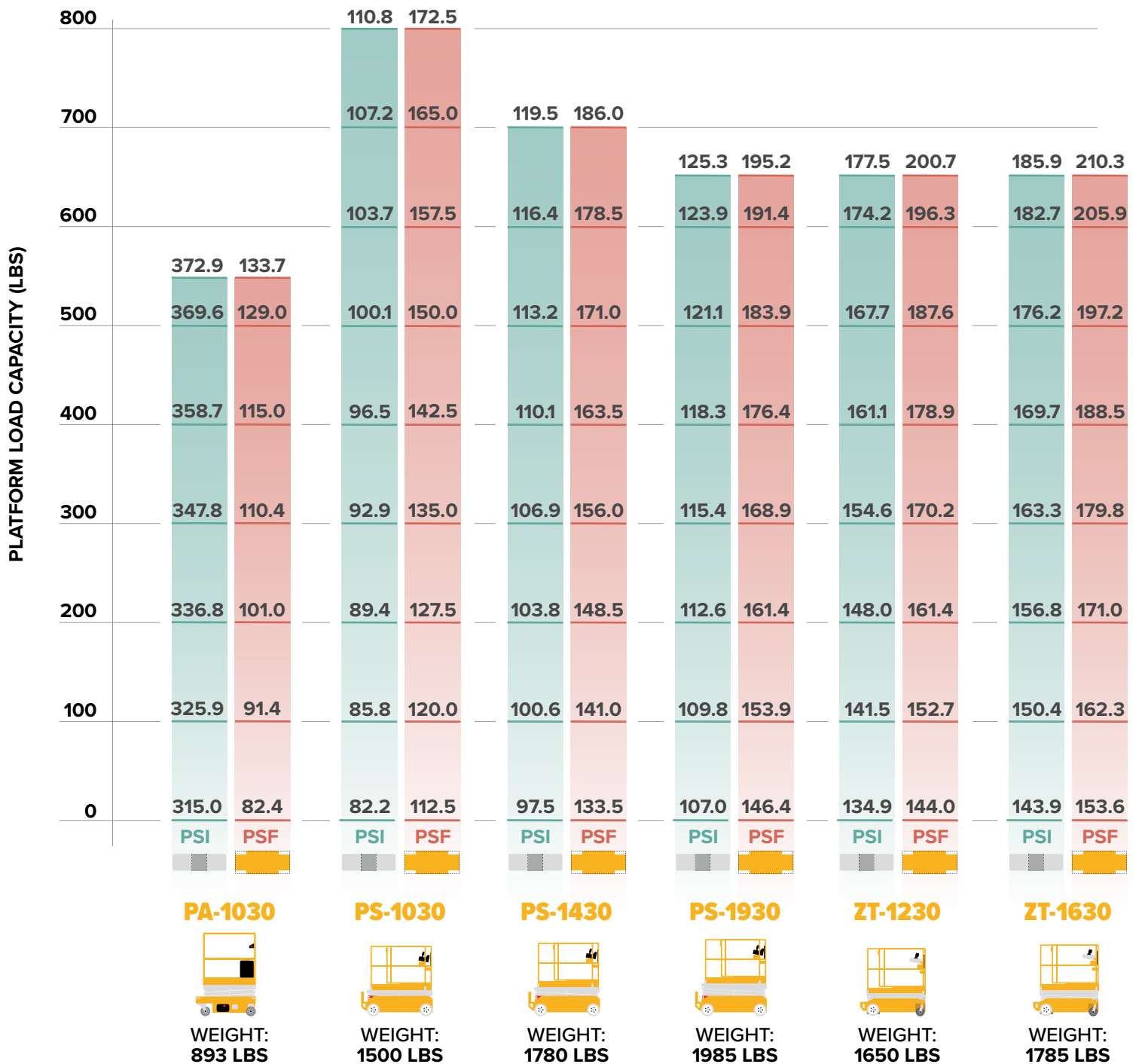
HY-BRID LIFTS™ WEIGHTS, LOADS & PRESSURES

	PA-1030		PS-1030		PS-1430		PS-1930		ZT-1230		ZT-1630	
Machine Weight	893 lbs		1500 lbs		1780 lbs		1985 lbs		1650 lbs		1785 lbs	
Platform Capacity	550 lbs		800 lbs		700 lbs		650 lbs		650 lbs		650 lbs	
Measurement	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF	PSI	PSF
Platform Capacity (MIN)	315.0	82.4	82.2	112.5	97.5	133.5	107.0	146.4	134.9	144.0	143.9	153.6
Platform Capacity (500 lbs)	369.6	127.3	100.1	150.0	113.2	171.0	121.1	183.9	167.7	187.6	176.2	197.2
Platform Capacity (MAX)	372.1	131.8	110.8	172.5	119.5	186.0	125.3	195.2	177.5	200.7	185.9	210.3

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

1-866-334-0756

HY-BRID LIFTS™ WEIGHTS, LOADS & PRESSURES



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