

Versatile load moving from 5 to 150 tons



AeroGo® Aero-Planks are simple to operate and easily configured for a variety of load moving applications. Designed for applications where the load is long and narrow, simply slide two or more Aero-Planks under the load for ease of movement and positioning. Load movement is easy, ergonomic, and omni directional, which is useful in confined spaces. Aero-Planks use the efficiency of fluid film technology to float heavy loads on a near-frictionless film of air.



Eliminate Floor Damage. Aero-Planks utilize air casters, which distribute the load weight over a larger surface area than with rollers or wheels. Load stress is spread evenly across the surface, eliminating potential floor damage.

Cost Effective. In most cases, AeroGo systems eliminate the need for expensive tracks, reinforced floors and building structures, and

are more cost efficient than traditional load movement methods. Since there are no moving parts, maintenance costs are reduced.

Applications. Aero-Planks make it easy to transport and position shipping containers, shelter modules, heavy machinery, machine tools, medical equipment, computers and sensitive electronic equipment. Aero-Planks excel in intermittent flow assembly lines and station-to-station applications especially in situations where access is limited to only one side of the load.

Advantages to Moving Heavy Loads with Air Caster Technology:

- Low profile
- Low friction – no floor damage
- Economical and reliable
- Flexible for a variety of applications
- Easy omnidirectional multi-positioning
- Precise positioning without floor damage compared to traditional material handling equipment methods
- Ergonomic – reduces lift hazards
- Utilizes existing shop air
- Aero-Casters meet ASME specifications

Standard Specifications

Model Number	System Capacity (lbs) (1)	No. of Planks	Length* (in.)		Width (in.)	Height (in.)	Lift (in.)	Operating Pressure (psi) (2)	Recommended Air Volume (SCFM) (3)
			Minimum	Maximum					
2AP212N _	10,000	2	25	72	12-1/2	1-7/8	3/4	30	56
3AP212N _	15,000	3	25	72	12-1/2	1-7/8	3/4	30	84
2AP215N _	17,000	2	31	72	15-1/2	1-7/8	7/8	30	56
2AP212NHD _	20,000	2	25	144	12-1/2	1-7/8	3/4	60	112
3AP215N _	25,500	3	31	144	15-1/2	1-7/8	7/8	30	147
2AP221N _	28,000	2	43	144	21-1/2	2	1-1/8	25	84
3AP212NHD _	30,000	3	25	144	12-1/2	1-7/8	3/4	60	168
2AP215NHD _	34,000	2	31	144	15-1/2	1-7/8	7/8	60	140
3AP221N _	42,000	3	43	144	21-1/2	2	1-1/8	25	126
3AP215NHD _	51,000	3	31	144	15-1/2	1-7/8	7/8	60	210
2AP227N _	56,000	2	55	144	27-1/2	2-7/16	1-3/8	30	154
2AP221NHD _	64,000	2	43	144	21-1/2	2	1-1/4	60	175
3AP227N _	84,000	3	55	144	27-1/2	2-7/16	1-3/8	30	231
2AP236N _	96,000	2	73	144	36-1/2	2-11/16	1-3/4	30	203
3AP221NHD _	96,000	3	43	144	21-1/2	2	1-1/4	60	263
2AP227NHD _	112,000	2	55	144	27-1/2	2-7/16	1-1/2	60	336
3AP236N _	144,000	3	73	144	36-1/2	2-11/16	1-3/4	30	305
3AP227NHD _	168,000	3	55	144	27-1/2	2-7/16	1-1/2	60	504
2AP236NHD _	200,000	2	73	144	36-1/2	2-11/16	1-7/8	60	378
3AP236NHD _	300,000	3	73	144	36-1/2	2-11/16	1-7/8	60	567

Metric Specifications

Model Number	System Capacity (kg) (1)	No. of Planks	Length* (mm)		Width (mm)	Height (mm)	Lift (in.)	Operating Pressure (kg/cm²) (2)	Recommended Air Volume (L/sec) (3)
			Minimum	Maximum					
2AP212N _	4,535	2	635	3,658	318	48	19	2.1	46
3AP212N _	6,803	3	635	3,658	318	48	19	2.1	69
2AP215N _	7,710	2	787	3,658	394	48	22	2.1	46
2AP212NHD _	9,070	2	635	3,658	318	48	19	4.2	53
3AP215N _	11,565	3	787	3,658	394	48	22	2.1	69
2AP221N _	12,698	2	1,092	3,658	546	51	29	1.8	40
3AP212NHD _	13,605	3	635	3,658	318	48	19	4.2	79
2AP215NHD _	15,420	2	787	3,658	394	48	22	4.2	66
3AP221N _	19,048	3	1,092	3,658	546	51	29	1.8	59
3AP215NHD _	23,129	3	787	3,658	394	48	22	4.2	99
2AP227N _	25,397	2	1,397	3,658	699	62	35	2.1	73
2AP221NHD _	29,025	2	1,092	3,658	546	51	32	4.2	83
3AP227N _	38,095	3	1,397	3,658	699	62	35	2.1	109
2AP236N _	43,536	2	1,854	3,658	927	68	44	2.1	96
3AP221NHD _	43,536	3	1,092	3,658	546	51	32	4.2	124
2AP227NHD _	50,794	2	1,397	3,658	699	62	38	4.2	159
3AP236N _	65,306	3	1,854	3,658	927	68	44	2.1	144
3AP227NHD _	76,190	3	1,397	3,658	699	62	38	4.2	238
2AP236NHD _	90,703	2	1,854	3,658	927	68	48	4.2	178
3AP236NHD _	136,054	3	1,854	3,658	927	68	48	4.2	268

(1) Aero-Plank capacity assumes evenly distributed load. Off-center loads may exceed capacity of individual Aero-Casters. Consult factory.

(2) Recommended supply pressure: 25 psig above rated operating pressure

(3) Maximum required air volume at full load on smooth troweled and sealed concrete or equivalent. (Includes Large Reserve Factor to compensate for less than ideal conditions)

*Plank length dimensions refer to the acceptable load area. Manifold at air inlet ends add 1.5" (38mm) to overall length. Manifold cannot support the load weight and must extend beyond the load.



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