

International Air Treatment Standards

ISO Quality Class	Solid Particle - Maximum Number			Water - Pressure Dew Point		Oil (Including Vapor)
	0.1-0.5 Micron	0.1-1.0 Micron	0.1-5.0 Micron	°F	°C	
1	100	1	—	-100	-70	0.01
2	100,000	1,000	10	-40	-40	0.1
3	—	10,000	500	-4	-20	1
4	—	—	1,000	37.4	3	5
5	—	—	20,000	44.6	7	—
6	—	—	—	50	10	—

ISO 8573.1 Air Quality Classes

Maintaining air quality is so important that the International Standards Organization (ISO) developed 6 compressed air quality classes, as defined by ISO 8573.1. Testing methodology established at 100°F inlet temperature, 100°F ambient temperature, and 100 psig.

SPEEDAIRE > **Hankison**

Refrigerated Air Dryers

SPEEDAIRE® SERIES

3YA49 and 3YA50 include an illuminated On/Off switch, high-efficiency separator, and no air loss float drain. 3YA51 to 3YA53 include an illuminated On/Off switch, high-efficiency separator and timed electric drain.

HANKISON® SERIES

Fully automatic operation ensures maximum moisture removal. Easily installed units come preassembled with quality components for long service life. All units with max. air compressor HP over 25 include a coalescing filter and auto-drain. 3YA43 and 3YA44 include high-efficiency separators without air loss, Power On light, and 6-ft. power cord. 3YA45 includes On/Off switch, Power On light, dew point indicator, and 6-ft. power cord.



3YA51



3YA44

Max. Flow	Max. Air Compressor HP	ISO Class*	Max. Incoming Pressure	Max. Inlet Temp.	Voltage	Full Load Amps	Phase	Pipe Size	Overall Height	Overall Width	Overall Depth	Item No.	OPTIONAL MAINTENANCE KIT Item No.
Speedaire® Series													
10 cfm	3 hp	6	250 psi	120°F	115V AC	2.52 A	Single	3/8" O.D.	15 in	13 in	13 in	3YA49	2DAY6
15 cfm	5 hp	5	250 psi	120°F	115V AC	2.63 A	Single	3/8" O.D.	15 in	13 in	13 in	3YA50	2DAY6
25 cfm	7.5 hp	6	250 psi	120°F	115V AC	6.0 A	Single	3/4" NPT	22 in	15 in	16 in	3YA51	2DAY7
35 cfm	10 hp	6	250 psi	120°F	115V AC	6.0 A	Single	3/4" NPT	22 in	15 in	16 in	3YA52	2DAY7
50 cfm	15 hp	6	250 psi	120°F	115V AC	7.25 A	Single	3/4" NPT	22 in	20 in	20 in	3YA53	2DAY7
75 cfm	20 hp	5	232 psi	120°F	115V AC	5.6 A	Single	1"	24 in	14 in	32 in	435Y05	2DAY8
100 cfm	25 hp	5	232 psi	120°F	115V AC	7.0 A	Single	1"	24 in	14 in	32 in	435Y07	2DAY8
125 cfm	30 hp	5	232 psi	120°F	115V AC	7.0 A	Single	1"	24 in	14 in	32 in	435Y08	2DAY8
500 cfm	100 hp	5	232 psi	120°F	460V AC	4.4 A	Three	2"	32 in	25 in	41 in	435Y09	—
Speedaire® Alpha Pure Series with Cooling Fans													
10 cfm	3 hp	5	232 psi	122°F	115V AC	6.1 A	Single	1/2" NPT	30 in	19 in	18 in	53RG55	2DAY5
15 cfm	5 hp	5	232 psi	122°F	115V AC	6.1 A	Single	1/2" NPT	30 in	19 in	18 in	53RG56	2DAY5
25 cfm	7.5 hp	5	232 psi	122°F	115V AC	8.3 A	Single	1/2" NPT	30 in	19 in	18 in	53RG57	2DAY5
35 cfm	10 hp	5	232 psi	122°F	115V AC	8.3 A	Single	3/4" NPT	30 in	19 in	18 in	53RG58	2DAY5
50 cfm	15 hp	5	232 psi	122°F	115V AC	8.3 A	Single	3/4" NPT	38 in	20 in	21 in	53RG59	2DAY5
Hankison® Series													
10 cfm	3 hp	6	250 psi	120°F	115V AC	2.52 A	Single	3/8" O.D.	15 in	13 in	13 in	3YA43	2DAX5
15 cfm	5 hp	5	250 psi	120°F	115V AC	2.63 A	Single	3/8" O.D.	15 in	13 in	13 in	3YA44	2DAX5
25 cfm	7.5 hp	6	250 psi	120°F	115V AC	6.0 A	Single	3/4" NPT	22 in	15 in	16 in	3YA45	2DAX6
35 cfm	10 hp	6	250 psi	120°F	115V AC	6.0 A	Single	3/4" NPT	22 in	15 in	16 in	3YA46	2DAX6
50 cfm	15 hp	6	250 psi	120°F	115V AC	7.25 A	Single	3/4" NPT	22 in	20 in	20 in	3YA47	2DAX6
75 cfm	20 hp	5	232 psi	120°F	115V AC	5.6 A	Single	1"	24 in	14 in	32 in	435Y06	2DAX5

* ISO Class dryer capacities established at 100°F inlet temp., 100°F ambient temp., and 100 psig.