

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	DRYERS Item No.	OPTIONAL MAINTENANCE KIT Item No.
Speedaire Series													
10 cfm	3 hp	6	250 psi	120°F	115V AC	2.52 A	Single	¾" 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	¾" 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	¾" NPT	22 in	15 in	16 in	3YA51	2DAY7
35 cfm	10 hp	6	250 psi	120°F	115V AC	6.0 A	Single	¾" NPT	22 in	15 in	16 in	3YA52	2DAY7
50 cfm	15 hp	6	250 psi	120°F	115V AC	7.25 A	Single	¾" 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	½" NPT	30 in	19 in	18 in	53RG55	2DAY5
15 cfm	5 hp	5	232 psi	122°F	115V AC	6.1 A	Single	½" 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	½" NPT	30 in	19 in	18 in	53RG57	2DAY5
35 cfm	10 hp	5	232 psi	122°F	115V AC	8.3 A	Single	¾" NPT	30 in	19 in	18 in	53RG58	2DAY5
50 cfm	15 hp	5	232 psi	122°F	115V AC	8.3 A	Single	¾" 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	¾" 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	¾" 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	¾" NPT	22 in	15 in	16 in	3YA45	2DAX6
35 cfm	10 hp	6	250 psi	120°F	115V AC	6.0 A	Single	¾" NPT	22 in	15 in	16 in	3YA46	2DAX6
50 cfm	15 hp	6	250 psi	120°F	115V AC	7.25 A	Single	¾" 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.

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