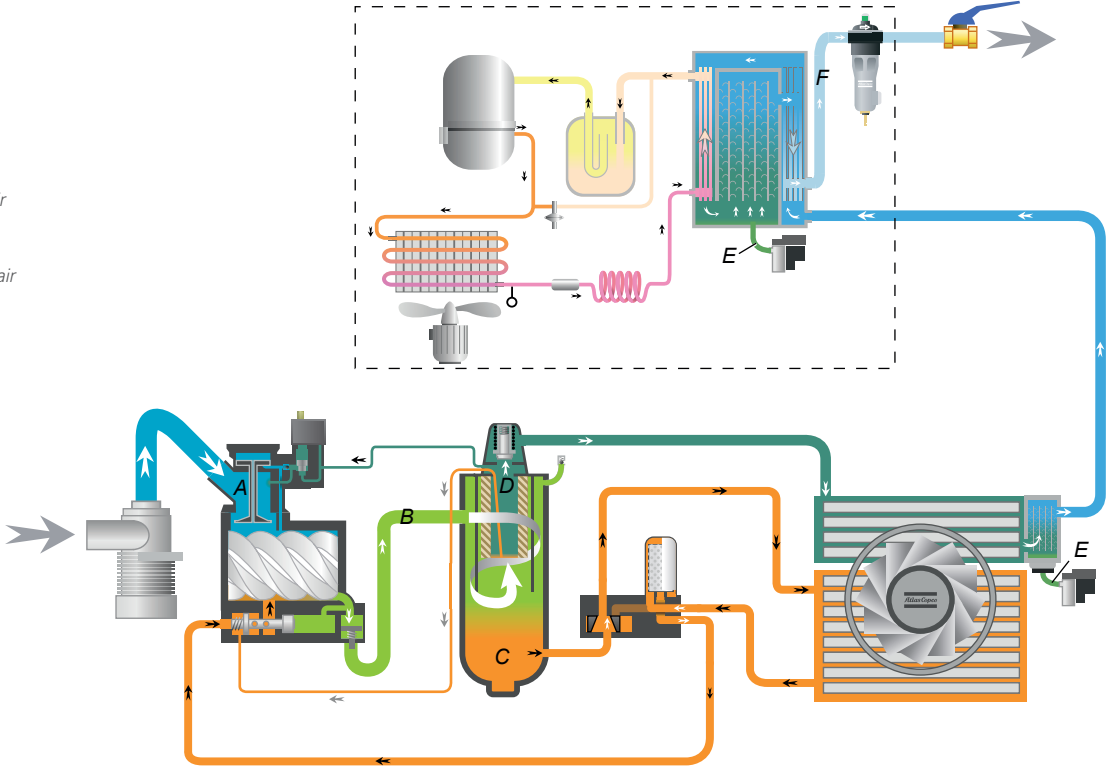


FLOW CHARTS

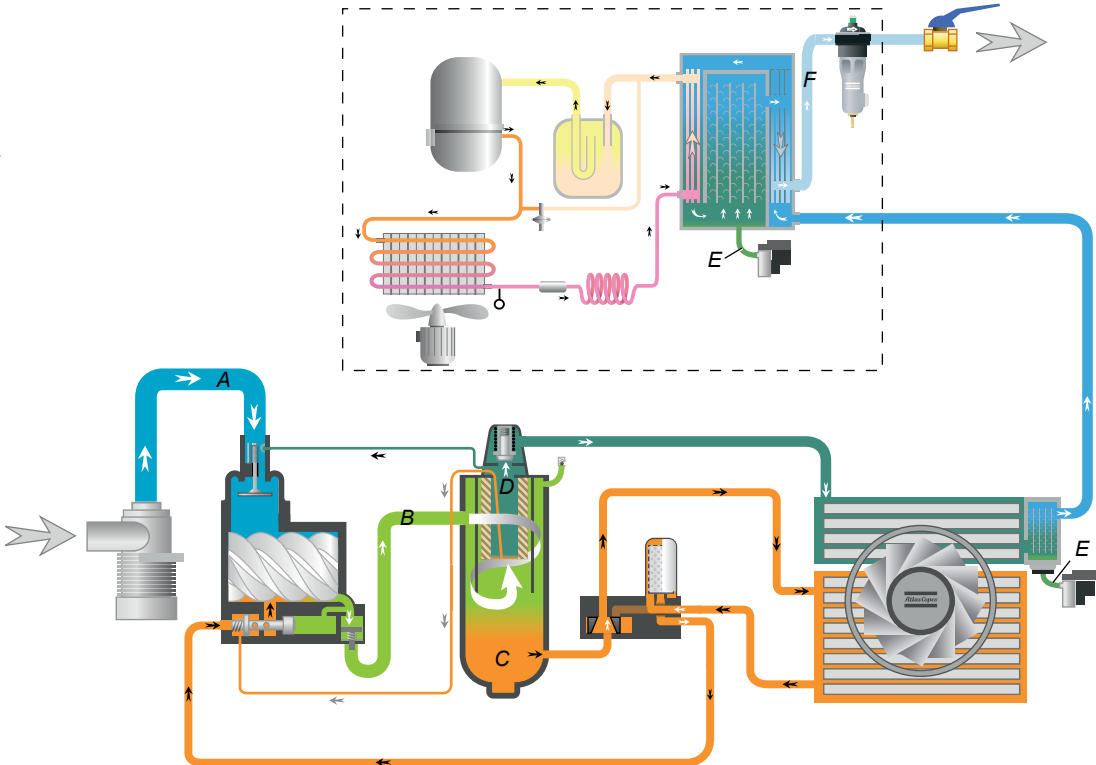
Fixed speed: GA+ & GA

- A ● Intake air
- B ● Air/oil mixture
- C ● Oil
- D ● Wet compressed air
- E ● Condensate
- F ● Dried compressed air



Variable Speed Drive: GA VSD

- A ● Intake air
- B ● Air/oil mixture
- C ● Oil
- D ● Wet compressed air
- E ● Condensate
- F ● Dried compressed air



TECHNICAL SPECIFICATIONS

GA 160⁺-315 (VSD) (50 Hz)

TYPE	Working pressure				Capacity FAD (1)			Installed motor power	Noise level (2)	Weight			
	Standard		Full Feature (3)		Standard / Full Feature					Standard		Full Feature	
	bar(e)	psig	bar(e)	psig	l/s	m ³ /min	cfm	kW	dB(A)	kg	lb	kg	lb
GA 160 ⁺ - 5.5 bar	5.5	80	5.3	77	621	37.2	1316	160	77	3624	7990	4081	8997
GA 160 ⁺ - 7.5 bar	7.5	109	7.3	106	538	32.2	1140			3624	7990	4081	8997
GA 160 ⁺ - 8.5 bar	8.5	123	8.3	120	498	29.8	1055			3197	7049	3654	8057
GA 160 ⁺ - 10 bar	10	145	9.8	142	448	26.9	949	200	78	3197	7049	3654	8057
GA 200 - 5.5 bar	5.5	80	5.3	77	748	44.8	1585			3624	7990	4217	9297
GA 200 - 7.5 bar	7.5	109	7.3	106	674	40.4	1428			4927	10862	5384	11870
GA 200 - 8.5 bar	8.5	123	8.3	120	632	37.9	1339	250	78	4927	10862	5384	11870
GA 200 - 10 bar	10	145	9.8	142	572	34.3	1212			4500	9922	4957	10929
GA 200 - 14 bar	14	203	13.8	200	440	26.4	932			4500	9922	4957	10929
GA 250 - 7.5 bar	7.5	109	7.3	106	833	49.9	1765	315	78	5144	11341	5737	12648
GA 250 - 8.5 bar	8.5	123	8.3	120	773	46.3	1638			5144	11341	5601	12348
GA 250 - 10 bar	10	145	9.8	142	709	42.5	1503			4717	10400	5174	11408
GA 250 - 14 bar	14	203	13.8	200	575	34.5	1219	315	78	4717	10400	5174	11408
GA 315 - 7.5 bar	7.5	109	7.3	106	1000	59.9	2119			5559	12256	6152	13563
GA 315 - 8.5 bar	8.5	123	8.3	120	955	57.2	2024			5559	12256	6152	13563
GA 315 - 10 bar	10	145	9.8	142	891	53.4	1888	315	78	5132	11315	5725	12622
GA 315 - 14 bar	14	203	13.8	200	745	44.7	1579			5132	11315	5589	12323

TYPE		Working pressure				Capacity FAD (1)			Installed motor power	Noise level (2)	Weight			
		Standard		Full Feature (3)		Standard / Full Feature					Standard		Full Feature	
		bar(e)	psig	bar(e)	psig	l/s	m ³ /min	cfm	kW	dB(A)	kg	lb	kg	lb
GA 200 VSD - 8.5 bar	Minimum	5	72	5	72	211 - 806	12.7 - 48.4	447 - 1708	200	77	5682	12527	6221	13715
	Nominal	7	101	7	101	206 - 716	12.4 - 43.0	436 - 1517						
	Maximum	8.5	123	8.3	120	202 - 656	12.1 - 39.4	428 - 1390						
GA 200 VSD - 10 bar	Minimum	6	87	6	87	100 - 611	6.0 - 36.7	212 - 1295	200	80	4352	9594	4891	10783
	Nominal	9.5	138	9.5	138	97 - 600	5.8 - 36.0	206 - 1271						
	Maximum	10	145	9.8	142	96 - 584	5.8 - 35.0	203 - 1237						
GA 200 VSD - 14 bar	Minimum	9	131	9	131	98 - 608	5.9 - 36.5	208 - 1288	200	80	4352	9594	4891	10783
	Nominal	13.5	196	12.5	181	86 - 504	5.2 - 30.2	182 - 1068						
	Maximum	14	203	12.8	185	84 - 495	5.0 - 29.7	178 - 1049						
GA 250 VSD - 8.5 bar	Minimum	5	72	5	72	211 - 900	12.7 - 54.0	447 - 1907	250	80	5682	12527	6301	13891
	Nominal	7	101	7	101	206 - 876	12.4 - 52.6	436 - 1856						
	Maximum	8.5	123	8.3	120	202 - 808	12.1 - 48.5	428 - 1712						
GA 250 VSD - 10 bar	Minimum	6	87	6	87	208 - 899	12.5 - 53.9	441 - 1905	250	77	5255	11585	5874	12950
	Nominal	9.5	138	9.5	138	200 - 767	12.0 - 46.0	424 - 1625						
	Maximum	10	145	9.8	142	198 - 748	11.9 - 44.9	420 - 1585						
GA 315 VSD - 8.5 bar	Minimum	5	72	5	72	211 - 1051	12.7 - 63.1	447 - 2237	315	79	5792	12769	6411	14134
	Nominal	7	101	7	101	206 - 1049	12.4 - 62.9	436 - 2223						
	Maximum	8.5	123	8.3	120	202 - 992	12.1 - 59.5	428 - 2102						
GA 315 VSD - 10 bar	Minimum	6	87	6	87	208 - 1050	12.5 - 63.0	441 - 2225	315	80	5365	11828	5984	13192
	Nominal	9.5	138	9.5	138	200 - 947	12.0 - 56.8	424 - 2007						
	Maximum	10	145	9.8	142	198 - 925	11.9 - 55.5	420 - 1960						

(1) Unit performance measured according to ISO 1217, Annex C and E, Edition 4 (2009).
 Reference conditions:
 - Absolute inlet pressure 1 bar (14.5 psi).
 - Intake air temperature 20°C (68°F).

(2) A-weighted emission sound pressure level at the work station, Lp WSA (re 20 µPa) dB (with uncertainty 3 dB). Values determined according to noise level test code ISO 2151 and noise measurement standard ISO 9614. Pressure dew point of integrated refrigerant dryer at reference conditions: 2°C to 3°C (36°F to 37°F).

(3) Integrated dryer: compressed air pressure dewpoint at dryer reference conditions 3°C (37°F).

FAD (1) is measured at the following working pressures:

	Standard	FF
5.5 bar version at	5 bar	5 bar
7.5 bar version at	7 bar	7 bar
8.5 bar version at	8 bar	8 bar
10 bar version at	9.5 bar	9.5 bar
14 bar version at	13.5 bar	12.5 bar

DIMENSIONS

	L	W	H
	mm		
GA 160 ⁺ -315 A/W	3400	2000	2300
GA 160 ⁺ -315 A - FF	4300	2000	2300
GA 160 ⁺ -315 W - FF	3400	2000	2300
GA 160 ⁺ -315 A/W (MV)	3700	2000	2300
GA 160 ⁺ -315 A - FF (MV)	4600	2000	2300
GA 160 ⁺ -315 W - FF (MV)	3700	2000	2300
GA 200-315 VSD A	3700	2000	2300
GA 200-315 VSD A - FF	4600	2000	2300
GA 200-315 VSD W	3700	2000	2300
GA 200-315 VSD W - FF	3700	2000	2300

A = air-cooled.
 W = water-cooled.
 FF = Full Feature.

TECHNICAL SPECIFICATIONS

GA 160⁺-315 (VSD) (60 Hz)

TYPE	Working pressure				Capacity FAD (1)			Installed motor power hp	Noise level (2) dB(A)	Weight			
	Standard		Full Feature (3)		Standard / Full Feature					Standard		Full Feature	
	bar(e)	psig	bar(e)	psig	l/s	m ³ /min	cfm			kg	lb	kg	lb
GA 160 ⁺ - 75 psi	5.5	80	5.3	77	580	34.8	1229	200	77	4712	10388	5169	11396
GA 160 ⁺ - 100 psi	7.4	107	7.2	104	511	30.6	1083		77	4712	10388	5169	11396
GA 160 ⁺ - 125 psi	9.1	132	8.9	129	446	26.7	945		77	4285	9448	4742	10455
GA 160 ⁺ - 150 psi	10.9	158	10.7	155	397	23.8	841	250	75	4285	9448	4742	10455
GA 200 - 75 psi	5.5	80	5.3	77	711	42.6	1507		77	4712	10388	5305	11696
GA 200 - 100 psi	7.4	107	7.2	104	633	37.9	1341		77	4892	10785	5349	11793
GA 200 - 125 psi	9.1	132	8.9	129	576	34.5	1221	300	77	4465	9845	4922	10852
GA 200 - 150 psi	10.9	158	10.7	155	505	30.3	1070		77	4465	9845	4922	10852
GA 200 - 200 psi	14	203	13.8	200	405	24.3	858		75	4465	9845	4922	10852
GA 250 - 100 psi	7.4	107	7.2	104	759	45.5	1608	350	78	5014	11054	5607	12361
GA 250 - 125 psi	9.1	132	8.9	129	694	41.6	1471		77	5014	11054	5471	12062
GA 250 - 150 psi	10.9	158	10.7	155	627	37.6	1329		77	4587	10114	5044	11121
GA 250 - 200 psi	14	203	13.8	200	526	31.5	1115	350	77	4587	10114	5044	11121
GA 315 - 100 psi	7.4	107	7.2	104	925	55.4	1960		78	5654	12465	6247	13772
GA 315 - 125 psi	9.1	132	8.9	129	855	51.2	1812		78	5654	12465	6247	13772
GA 315 - 150 psi	10.9	158	10.7	155	784	47.0	1661	350	78	5227	11525	5820	12832
GA 315 - 200 psi	14	203	13.8	200	667	40.0	1414		77	5227	11525	5684	12532

TYPE		Working pressure				Capacity FAD (1)			Installed motor power hp	Noise level (2) dB(A)	Weight			
		Standard		Full Feature (3)		Standard / Full Feature					Standard		Full Feature	
		bar(e)	psig	bar(e)	psig	l/s	m ³ /min	cfm			kg	lb	kg	lb
GA 200 VSD - 8.6 bar (125 psi)	Minimum	5	72	5	72	211 - 806	12.7 - 48.4	447 - 1708	268	77	5682	12527	6221	13715
	Nominal	6.9	100	6.9	100	206 - 721	12.4 - 43.3	436 - 1528						
	Maximum	9.1	132	8.9	129	201 - 638	12.1 - 38.3	426 - 1352						
GA 200 VSD - 10.4 bar (150 psi)	Minimum	6	87	6	87	100 - 611	6.0 - 36.7	212 - 1295	268	80	4352	9594	4891	10783
	Nominal	10.4	151	10.4	151	95 - 574	5.7 - 34.4	201 - 1216						
	Maximum	10.9	158	10.7	155	94 - 562	5.6 - 33.7	199 - 1191						
GA 200 VSD - 13.8 bar (200 psi)	Minimum	9	131	9	131	98 - 608	5.9 - 36.5	208 - 1288	268	80	4352	9594	4891	10783
	Nominal	13.5	196	12.5	181	86 - 505	5.2 - 30.3	182 - 1070						
	Maximum	14	203	12.8	185	84 - 495	5.0 - 29.7	178 - 1049						
GA 250 VSD - 8.6 bar (125 psi)	Minimum	5	72	5	72	211 - 900	12.7 - 54.0	447 - 1907	335	80	5682	12527	6301	13891
	Nominal	6.9	100	6.9	100	206 - 881	12.4 - 52.9	436 - 1867						
	Maximum	9.1	132	8.9	129	201 - 787	12.1 - 47.2	426 - 1668						
GA 250 VSD - 10.4 bar (150 psi)	Minimum	6	87	6	87	208 - 899	12.5 - 53.9	441 - 1905	335	77	5255	11585	5874	12950
	Nominal	10.4	151	10.4	151	197 - 733	11.8 - 44.0	417 - 1553						
	Maximum	10.9	158	10.7	155	196 - 714	11.8 - 42.8	415 - 1513						
GA 315 VSD - 8.6 bar (125 psi)	Minimum	5	72	5	72	211 - 1051	12.7 - 63.1	447 - 2227	422	79	5792	12769	6411	14134
	Nominal	6.9	100	6.9	100	206 - 1049	12.4 - 62.9	436 - 2223						
	Maximum	9.1	132	8.9	129	201 - 968	12.1 - 58.1	426 - 2051						
GA 315 VSD - 10.4 bar (150 psi)	Minimum	6	87	6	87	208 - 1050	12.5 - 63.0	441 - 2225	422	80	5365	11828	5984	13192
	Nominal	10.4	151	10.4	151	197 - 908	11.8 - 54.5	417 - 1924						
	Maximum	10.9	158	10.7	155	196 - 886	11.8 - 53.2	415 - 1877						

(1) Unit performance measured according to ISO 1217, Annex C and E, Edition 4 (2009).
Reference conditions:
- Absolute inlet pressure 1 bar (14.5 psi).
- Intake air temperature 20°C (68°F).

(2) A-weighted emission sound pressure level at the work station, Lp WSA (re 20 µPa) dB (with uncertainty 3 dB). Values determined according to noise level test code ISO 2151 and noise measurement standard ISO 9614. Pressure dew point of integrated refrigerant dryer at reference conditions: 2°C to 3°C (36°F to 37°F).

(3) Integrated dryer: compressed air pressure dewpoint at dryer reference conditions 3°C (37°F).

FAD (1) is measured at the following working pressures:

	Standard	FF
75 psi version at	73 psi	73 psi
100 psi version at	100 psi	100 psi
125 psi version at	125 psi	125 psi
150 psi version at	150 psi	150 psi
200 psi version at	196 psi	181 psi

DIMENSIONS

	L	W	H
	inch		
GA 160 ⁺ -315 A/W	134	79	91
GA 160 ⁺ -315 A - FF	169	79	91
GA 160 ⁺ -315 W - FF	134	79	91
GA 160 ⁺ -315 A/W (MV)	146	79	91
GA 160 ⁺ -315 A - FF (MV)	181	79	91
GA 160 ⁺ -315 W - FF (MV)	146	79	91
GA 200-315 VSD A	146	79	91
GA 200-315 VSD A - FF	181	79	91
GA 200-315 VSD W	146	79	91
GA 200-315 VSD W - FF	146	79	91

A = air-cooled.
W = water-cooled.
FF = Full Feature.