



**mAIR Medical Air, cAIR Combined Air & sAIR Surgical Air Systems  
EN ISO 7396-1/HTM 02-01 and HTM2022 EurPh  
400V 50Hz, 380V 60Hz, 4 Bar, 7 Bar, 8 Bar & 10 Bar Outlet  
Oil Injected Screw Compressors**

## **SPECIFICATION**

### **Air Plant System**

The Medical Air System is a modular base-mounted design consisting of oil-injected rotary screw compressor modules with fixed or variable speed drive, a duplex air purification module with central controller, and air receiver modules. The Air System shall conform to EN ISO 7396-1 and NHS Health Technical Memorandum HTM02-01 or HTM2022. Medical quality air to the European Pharmacopoeia monograph shall be delivered at pressures of 400 kPa (4 bar), 700kPa (7 bar) or 1000 kPa (10 bar) gauge for supply of the hospital medical or surgical air systems.

Medical Air Systems shall be duplexed such that any single functional component failure will not affect the integrity of the medical compressed air supply.

Surgical Air Systems shall have a duplex air purification module and a simplex compressor. Additional compressors shall be available to duplex the compressors, such that any single compressor failure will not affect the integrity of the air supply.

The Medical Air Systems are CE-marked under the Medical Devices Directive 93/42/EEC with approval from notified body no. 0088 (Lloyd's Register Quality Assurance). Under this directive, the specified products are classified as Class IIb Medical Devices.

### **Sources of Supply**

#### **HTM02-01/EN ISO 7396-1**

The Medical Air Plant System will produce the primary supply with two compressors on standby (unless an automatic manifold is used as secondary (HTM02-01) or third (ISO7396-1) supply). For duplex plant, the secondary (HTM02-01) or third (ISO7396-1) supply shall be an automatic manifold. For triplex plant, each compressor can supply the total hospital flow. If more than three compressors are installed, the total hospital flow will be split over multiple compressors.

#### **HTM2022**

The Medical Air Plant System will produce the primary supply with one compressor on standby. For duplex plant, each compressor can supply the total hospital flow. If more than two compressors are installed, the total hospital flow will be split over multiple compressors. The back-up compressor will form the secondary supply. A third supply shall be from an automatic manifold capable of supplying the average hospital demand for 4 hours.

### **Compressor Modules**

#### **Fixed Speed Compressors**

Compressors shall be Atlas Copco GA MED single-stage oil injected rotary screw compressors suitable for both continuous and frequent start/stop operation at a nominal outlet pressure of 750 kPa (7.5 bar), 1000 kPa (10 bar) or 1300 kPa (13 bar) gauge. Compressors shall be supplied with a block and fin style after cooler with a dedicated quiet running fan to maximise cooling and efficiency. A multistage oil separator capable of achieving 2ppm oil carry-over shall be fitted to minimise contamination and maintenance. Minimum EFF1 (CEMEP) rated, IP55 class F electric motors shall be used and incorporate maintenance-free bearings. Motors with lower efficiency ratings are not acceptable. The compressor shall be fitted with a high-definition colour display controller. The compressor shall have the following features as required by HTM02-01/HTM2022:

- Ammeter
- Main switch
- Temperature sensor downstream the aftercooler
- Failed-to-go-on-load feedback pressure switch
- Automatic restart after voltage failure

#### **Variable Speed Compressors**

Alternatively, compressors shall be Atlas Copco GA VSD+ MED single-stage oil injected rotary screw compressors fitted with Variable Speed Drive. By including an AC-DC converter, along with associated control hardware and software it will enable the compressor to continuously match its running speed with the flow demand required by the hospital. By using such technology, start currents will be reduced, machine life will be prolonged and energy savings of up to 50% shall be achievable. The compressor shall operate from 400- 1300kPa (4- 13 bar) gauge.

The compressor shall be fitted with an oil-cooled permanent magnet synchronous motor of minimum IE4 efficiency class and IP66 pressure-tight ingress protection. The motor bearings shall be oil-cooled and maintenance free. The motor shall be directly connected to the screw element without gearbox nor belt. The motor and screw element shall be fitted in a vertical position to limit the footprint of the compressor. The compressor shall be fitted with an inlet valve to avoid depressurization losses during stop (no unloading). A multistage oil separator capable of achieving 2ppm oil carry-over shall be fitted to minimise contamination and maintenance. The noise level of the compressor shall be maximum 67dB(A). The compressor shall be fitted with a touch-screen controller and electronic no-loss water drain with integrated manual drain for efficient removal of condensate without loss of compressed air. Compressors shall be supplied with a block and fin style cooler with a dedicated quiet running fan with biomimetic, serrated fan blades to maximise cooling and efficiency

Full VSD air plant shall incorporate VSD controllers on all compressors, cycling the lead compressor to ensure even wear as per HTM02-01 requirements.

The compressor shall have the following features as required by HTM:

- Ammeter
- Main switch
- Temperature sensor downstream the aftercooler
- Failed-to-go-on-load feedback pressure switch
- Automatic restart after voltage failure

#### **Air Purification Module**

##### **Dryer and filter system**

The duplexed air purification module shall incorporate high efficiency water separators, oil coalescing filters, heatless regenerative desiccant dryers, activated carbon filters with optional hopcalite catalyst, bacterial filters and pressure regulators. The performance of the filters shall be according to below specifications:

- Oil coalescing two-in-one high efficiency filter: mass efficiency of 99,991%, tested according to ISO 8573-2 & ISO 12500-1
- Activated carbon filter: max remaining total oil content of 0,003

mg/m<sup>3</sup>, tested according to ISO 8573-5 & ISO12500-2

- Bacterial filter: particle count efficiency of 99,98% at MPPS=0.06µm, tested according to ISO 12500-3

The dryer shall have a purge valve with multiple orifice sizes to adjust the purge rate, eliminating the need for additional purge plugs. Optional electrical contacts may be installed on the filters to provide warning alarms on the dryer controller in the event of high pressure drop (ie blockage) and shall also include connections for BMS. Contaminants in the delivered air downstream of the bacterial filters shall be maintained at levels below those shown in the table below.

Air Plant Systems with variable speed drive compressors shall be fitted with a hopcalite filter and electrical contacts on the filters as standard.

Contaminant	Threshold
H <sub>2</sub> O	67 ppm v/v
Dry particulates	Free from visible particulates in a 75 litre sample
Oil (droplet or mist)	0.1 mg/m <sup>3</sup>
CO	5 ppm v/v
CO <sub>2</sub>	500 ppm v/v
SO <sub>2</sub>	1 ppm v/v
NO	2 ppm v/v
NO <sub>2</sub>	2 ppm v/v

### Control System

The cubicle of the medical air purifier shall contain both the central controller as well as the individual dryer controllers.

The central control system shall provide an intelligent human machine interface incorporating on board flash memory and real-time clock for recording operational parameters in the in-built event log. The central control system shall operate at low voltage and include BMS connection for plant fault, plant emergency, reserve fault and pressure fault. Visualisation of plant inputs, outputs and status through a web browser, using a simple Ethernet connection shall be available. The central control unit shall incorporate a user friendly 5.7" high-definition colour display with clear pictograms and LED indicators, providing easy access to system operational information.

The central control system shall employ automatic rotation of the lead compressor & dryer to maximise life and ensure even wear. The compressors & dryers shall be fitted with their own individual controller. These controllers shall be fitted with the necessary logic to act as a back-up in case of a central controller malfunction, ensuring continued operation.

### Dryer Purge Control

The dryer control system shall incorporate a Purge Saver Energy Management system that freezes the regeneration of the desiccant once adequate dew point is reached in the inactive tower. Only when the dewpoint level in the active tower deteriorates to an unacceptable level will the intelligent controller switch towers.

### Dew Point Monitoring

The dryer shall incorporate a dew point hygrometer with an accuracy of ±3°C in the range -20 to -100°C atmospheric dew point and 4-20mA analogue output. Aluminium oxide or palladium wire sensors are not acceptable. An alarm condition shall trigger on the dryer control panel if the dew point exceeds a -46°C atmospheric set point. The plant control unit shall display the dewpoint of the delivered air to enable monitoring of the air quality by the hospitals estates department. Voltage-free contacts shall be included to enable the dew point alarm

signal to be connected to a central medical gas alarm system and/or building management system (BMS). To enable periodic calibration of the dew point sensor element, the hygrometer shall be remotely connected downstream of the dryer via a micro-bore tube. It is not acceptable to install the sensor directly into the medical air supply pipeline.

### Receiver Assembly

Air receivers shall comply with PED 2014/68/EU, supplied with relevant test certificates. Each air receiver shall be of steel construction with powder coating for protection (CE standard) or shall be hot dip galvanised inside and out (MOM standard) and fitted with a zero loss electronic drain valve. Float type drain valves are not acceptable. The receiver assembly shall be fitted with a pressure safety valve capable of passing the maximum flow output of the compressor at 10% receiver overpressure. The receiver shall be further protected by a safety pressure relief valve and include a pressure gauge.

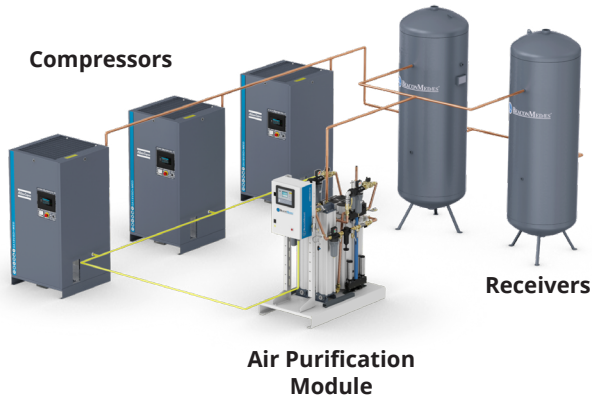
### Optional Items

There shall be the followings options available for enhanced operation of the air plant system:

- MOM standard receivers with 3rd party certification, hot dip galvanised steel inside and out
- VSD+ compressors (harmonics filter standard included for installation close to highly sensitive equipment)
- Synthetic oil for increased compressor life
- Tropical thermostatic sensors for countries with high humidity
- Phase sequence relays that prevent unintentional reverse operation of the compressors (standard for GA15-26 MED & GA7-37 VSD+ MED)
- EWD zero loss electronic water drains for the dMED dryer including secure mounting to the dryer base
- QDT saturation indicators to give clear visual indication of oil carry over to the activated carbon tower (only up to 10bar)
- CO and CO<sub>2</sub> monitors including full integration into the ES-MED central controller giving alarm warnings when unacceptable CO and CO<sub>2</sub> levels are present



**Typical Layout**



Note:

Interconnecting pipework (brown illustration) between components to be made on site and provided by the installer. Controller CAN cables are provided as a 10m assembly with each compressor which can be shortened on site if required.

**Condensate Management Options**

Oil/water separator	
OSS 900/1500/1800 (L/min) at 20/25/35 degrees celcius - metric	8102 0464 66
OSS 900/1500/1800 (L/min) at 20/25/35 degrees celcius - imperial	8102 0464 58

\* Suitable for smaller compressors G7-11



Oil/water separator	
OSC35 2100 (L/min)	8102 0452 45
OSC95 5700 (L/min)	8102 0452 52
OSC145 8700 (L/min)	8102 0452 60
OSC355 21300 (L/min)	8102 0452 78

## Unique Selling Proposition

### GA MED Compressor

- 1 Robust element and motor:** State-of-the-art screw element in combination with an IE3 efficiency motor, improved bearings and seal arrangement results into minimized energy costs.
- 2 High tech oil vessel:** Extremely low oil carry-over thanks to vertical design of the oil vessel. Minimized oil vessel size further reduces air losses during unloading.
- 3 Advanced monitoring:** High definition colour display with clear service and warning indications. Easy remote monitoring through a simple Ethernet connection thanks to the built-in webserver.
- 4 Fitted for Medical applications:** All HTM compressor requirements like ammeter, aftercooler temperature sensor, failed-to-go-on-load switch, etc. are factory-fitted. Furthermore, specific software safety features are added.



### GA VSD +MED Compressor

- 1 Compact Compressor Footprint:** Innovative vertical arrangement of compressor element and drive motor minimize footprint, reducing valuable floor space required.
- 2 State-of-the-Art Compressor Motor:** Interior Permanent Magnet (iPM) motor with IE4 high energy efficiency of 94.5%. Fully enclosed IP66 direct drive train. One oil circuit for motor, element, and bearings, eliminates the need for cooling air.
- 3 Variable Speed Drive:** Each compressor contains a variable speed drive inverter matched to the permanent magnet motors, with a flow range of 20-100%, to further reduce energy consumption.
- 4 Fitted for Medical applications:** All HTM compressor requirements like amp meter, aftercooler temperature sensor, failed-to-go-on-load switch, etc. are factory-fitted. Furthermore, specific software safety features are added.

### dMED Purification Module

- 1 Complete Air Purification Package:** Everything to clean the air is pre-piped and wired in a fully duplexed package, with a six-step purification process that provides European Pharmacopoeia compliant air (when hopcalite is fitted)
- 2 Compact Design:** With the unique design of the extruded aluminum desiccant dryer towers, the air purification package components are compactly configured to minimize footprint without compromising service access.
- 3 Ease of Service:** The top loading desiccant cartridges and externally fitted components make servicing the air purification package quick with easy access for all service parts.
- 4 Advanced Medical Controls:** The advanced master controller monitors and controls both the compressors and the air purification module. Filled with redundancy and medical safety features, the controller operates the system efficiently with a very tight pressure band and equalization of running hours on the compressors and dryers.



### Combined Air Plant Sizing Guide

In HTM02-01, the relative size of receiver capacity and compressor capacity on surgical air or combined medical/surgical air systems changes according to the design flow rate. In order to correctly calculate the receiver capacity and compressor capacity, both the medical and surgical design flow-rates (DF's) are required. It should be noted that for all combined air systems, an additional duplex regulating station (ordered separately) is needed to supply the medical air pipeline.

Surgical Air Compressors	
Design Flow (L/min)	Value 'A' FAD (l)
<500	0.33 x DF
500-3500	0.66 x DF
>3500	0.5 x DF

**Table 1: Surgical Air Plant Flow Rate Multiplier Value 'A'**

#### Example 1 - Small Day Treatment Centre (Upgrade)

##### Flow Rate and Dryer Sizing

Medical Air DF = 555 l/min (FAD) (4 Bar)  
 Surgical Air DF = 1138 l/min (FAD) (7 Bar)  
 Combined/total DF = 1693 l/min (FAD) (10 Bar high pressure system)

A dryer greater than 1693 l/min outlet flow should be selected (outlet flow is the inlet flow minus purge losses)  
 = dMED045 inlet flow 2237 l/min, outlet flow 2008 l/min

##### Flow Rate and Compressor Sizing

From Table 1 surgical air DF is between 500-3500 l/min, so the multiplying factor 'A' = 0.66

$$\begin{aligned} \text{Compressor flow rate} &= \text{Med. DF} + (\text{Surg. DF} \times \text{A}) \\ &= 555 + (1138 \times 0.66) \\ &= 555 + 751 \\ &= 1306 \text{ l/min} \end{aligned}$$

We also need to add the purge losses to the compressor output. For additional purge consumption use:-

$$\begin{aligned} \text{dMED inlet} - \text{dMED outlet} &= \text{purge losses lpm} \\ &= 2237 - 2008 = 229 \text{ l/min} \end{aligned}$$

Compressors should be selected with a flow rate greater than 1306 l/min + 229 l/min = 1535 l/min

##### Receiver Sizing

From Table 2 surgical air DF is between 500-2000 l/min, so the multiplying factor 'B' = 2 x 2/3

$$\begin{aligned} \text{Capacity} &= (\text{Med. DF} \times 0.5) + (\text{Surg. DF} \times \text{B}) \\ &= (555 \times 0.5) + (1138 \times 2 \times 2/3) \\ &= 278 + 1518 \\ &= 1796 \text{ litres} \end{aligned}$$

A combination of receivers with a minimum number of 2 should be selected

Selected receiver capacity = 2000 litres (2 x 1000 litre)

##### Plant System Selection

Selected plant description = cAIR-TGF10-1834

If no standard model is available for selection from the standard range a bespoke configuration of dryer, compressors and receivers are available and can be quoted by our sales and sales support teams.

Surgical Air Receivers	
Design Flow (L/min)	Value 'B' Receiver water capacity (l)
<500	1 x 200% x DF
500-2000	2 x 66.6% x DF
2001-3500	2 x 50% x DF
>3500	3 x 33.3% x DF

**Table 2: Surgical Air Receiver Multiplier Value 'B'.**

#### Example 2 - Large District Hospital

##### Flow Rate and Dryer Sizing

Medical Air DF = 4920 l/min (FAD) (4 Bar)  
 Surgical Air DF = 2888 l/min (FAD) (11 Bar)  
 Combined/total DF = 7808 l/min (FAD) (10 Bar high pressure system)

A dryer greater than 7808 l/min should be selected (outlet flow is the inlet flow minus purge losses)  
 = dMED220 inlet flow 10902 l/min, outlet flow 8940 l/min

##### Flow Rate and Compressor Sizing

From Table 1 surgical air DF is between 500-3500 l/min, so the multiplying factor 'A' = 0.66

$$\begin{aligned} \text{Plant flow rate} &= \text{Med. DF} + (\text{Surg. DF} \times \text{Value 'A'}) \\ &= 4920 + (2888 \times 0.66) \\ &= 4920 + 1907 \\ &= 6827 \text{ l/min} \end{aligned}$$

We also need to add the purge losses to the compressor output. For additional purge consumption use:-

$$\begin{aligned} \text{dMED inlet} - \text{dMED outlet} &= \text{purge losses lpm} \\ &= 10902 - 8940 = 1962 \text{ l/min} \end{aligned}$$

Compressors should be selected with a flow rate greater than 6827 l/min + 1962 l/min = 8789 l/min

##### Receiver Sizing

From Table 2 surgical air DF is between 2001-3500 l/min, so the multiplying factor 'B' = 2 x 1/2

$$\begin{aligned} \text{Capacity} &= (\text{Med. DF} \times 0.5) + (\text{Surg. DF} \times \text{B}) \\ &= (4920 \times 0.5) + (2888 \times 2 \times 1/2) \\ &= 2460 + 2888 \\ &= 5348 \text{ litres} \end{aligned}$$

A combination of receivers with a minimum number of 2 should be selected

Selected receiver capacity = 6000 litres (3 x 2000 litre)

##### Plant System Selection

Selected plant description = n/a - special configuration required

If no standard model is available for selection from the standard range a bespoke configuration of dryer, compressors and receivers are available and can be quoted by our sales and sales support teams.

**Compressor Selection Table**
**Fixed Speed - GA MED Screw - 50Hz**

Model Name	GA5 MED	GA7 MED	GA11 MED	GA15 MED	GA18 MED	GA22 MED	GA26 MED
<b>Output flow (litres/minute) 7 bar , 10 bar and 13bar variants *</b>	900 / 702 /504	1308 / 1032 / 852	1842 / 1560 / 1320	2736 / 2268 / 1938	3384 / 2814 / 2364	3870 / 3246/ 2850	4362 / 3960 / 3360
<b>Footprint L x W x H (mm)</b>	1140 x 700 x 1240	1140 x 700 x 1240	1140 x 700 x 1240	1280 x 780 x 1220	1280 x 780 x 1220	1280 x 780 x 1220	1280 x 780 x 1220
<b>Compressor weight (kg)</b>	270	284	310	455	464	480	490
<b>Service connection (mm)</b>	22	22	22	22	22	22	22
<b>Noise level/pump (dB[A])</b>	60	61	62	65	67	68	69
<b>Max ambient temperature (°C)</b>	46	46	46	46	46	46	46
<b>Supply voltage (v)</b>	400	400	400	400	400	400	400
<b>Supply frequency (Hz)</b>	50	50	50	50	50	50	50
<b>Nominal motor rating (kW)</b>	5	7	11	15	18	22	26
<b>Full load current per compressor (A)</b>	17	22	32	33.3	40.7	47.4	57
<b>Approx. starting current (A)</b>	42	61	88	110	138	180	211
<b>Customer fuse rate** (A)</b>	32	32	40	50	63	80	80
<b>Cooling air flow per compressor (m<sup>3</sup>/s)</b>	0.8	0.8	1	0.5	0.7	1.1	1.1
<b>Part Number - 7.5 bar</b>	8153 0344 86	8153 0344 94	8153 0345 02	8153 6162 82	8153 6163 16	8153 6163 40	8153 6163 73
<b>Part Number - 10 bar</b>	8152 0341 89	8153 0342 05	8153 0342 21	8153 6162 90	8153 6163 24	8153 6163 57	8153 6163 81
<b>Part Number - 13 bar</b>	8153 0341 97	8153 0342 13	8153 0342 39	8153 6163 08	8153 6163 32	8153 6163 65	8153 6163 99
<b>Drawing Number</b>	9828 4969 26	9828 4969 26	9828 4969 26	98280831 80	98280831 80	98280831 80	98280831 80

\* Output flow stated at reference conditions



**Variable Speed Drive - GA VSD+ MED Screw - 50Hz**

Model Name	GA7 VSD+ MED	GA11 VSD+ MED	GA15 VSD+ MED	GA18 VSD+ MED	GA22 VSD+ MED
Output flow (litres/minute) 7 bar , 10 bar and 13bar variants *	1302 / 1080 / 852	1950 / 1632 / 1410	2508 / 2130 / 1674	3750 / 3216 / 2610	4506 / 3912 / 3246
Footprint L x W x H (mm)	720 x 630 x 1420	720 x 630 x 1420	720 x 630 x 1420	990 x 790 x 1590	990 x 790 x 1590
Compressor weight (kg)	208	211	214	387	387
Service connection (mm)	28	28	28	28	28
Noise level/pump (dB[A])	62	63	64	67	67
Maximum ambient temperature (°C)	46	46	46	46	46
Supply voltage (v)	380-460	380-460	380-460	380-460	380-460
Supply frequency (Hz)	50	50	50	50	50
Nominal motor rating (kW) (1900 rpm - 5250 rpm full load)	2.9 - 7.9	2.9 - 12.1	3 - 17.1	5 - 20.1	5.1 - 24
Full load current per compressor (A)	18.4	24.4	31.4	44.0	59.0
Cooling air flow per compressor (m <sup>3</sup> /s)	0.8	0.8	0.8	1.3	1.3
Part Number - HTM	8102 3414 20	8102 3414 23	8102 3414 26	8102 3414 29	8102 3414 32
Part Number - ISO	8102 3414 44	8102 3414 47	8102 3414 50	8102 3414 53	8102 3414 56
Drawing Number - HTM	9820 6950 05	9820 6950 05	9820 6950 05	9820 6950 07	9820 6950 07
Drawing Number - ISO	9820 6950 04	9820 6950 04	9820 6950 04	9820 6950 06	9820 6950 06

Model Name	GA26 VSD+ MED	GA30 VSD+ MED	GA37 VSD+ MED
Output flow (litres/minute) 7 bar , 10 bar and 13 bar variants *	5148 / 4704 / 3870	5844 / 5136 / 4320	6900 / 6138 / 5202
Footprint L x W x H (mm)	990 x 790 x 1590	990 x 790 x 1590	990 x 790 x 1590
Compressor weight (kg)	393	396	396
Service connection (mm)	28	28	28
Noise level/pump (dB[A])	67	67	67
Maximum ambient temperature (°C)	46	46	46
Supply voltage (v)	380-460	380-460	380-460
Supply frequency (Hz)	50	50	50
Nominal motor rating (kW)	5.5 - 29	5.5 - 34.3	5.4 - 41.2
Full load current per compressor (A)	59.4	72.5	88.7
Cooling air flow per compressor (m <sup>3</sup> /s)	1.6	1.6	1.76
Part Number - HTM	8102 3414 35	8102 3414 38	8102 3414 41
Part Number - ISO	8102 3414 59	8102 3414 62	8102 3414 65
Drawing Number - HTM	9820 6950 07	9820 6950 07	9820 6950 07
Drawing Number - ISO	9820 6950 06	9820 6950 06	9820 6950 06

\* Output flow stated at reference conditions

**Compressor Selection Table**
**Fixed Speed - GA MED Screw - 60Hz**

Model Name	GA5 MED	GA7 MED	GA11 MED	GA15 MED	GA18 MED	GA22 MED	GA26 MED
Output flow (litres/minute) 7 bar , 10 bar and 11.5 bar variants *	900 / 702 / 510	1260 / 1032 / 852	1824 / 1494 / 1320	2718/ 2286 / 1854	3384 / 2730 / 2460	3954 / 3216 / 2862	4446 / 3738 / 3450
Footprint L x W x H (mm)	1140 x 700 x1240	1140 x 700 x1240	1140 x 700 x1240	1280 x 780 x1220	1280 x 780 x1220	1280 x 780 x1220	1280 x 780 x1220
Compressor weight (kg)	270	284	310	455	464	480	490
Service connection (mm)	22	22	22	22	22	22	22
Noise level/pump (dB[A])	60	61	62	65	67	68	69
Maximum ambient temperature (°C)	46	46	46	46	46	46	46
Supply voltage (v)	380	380	380	380	380	380	380
Supply frequency (Hz)	60	60	60	60	60	60	60
Nominal motor rating (kW)	5	7	11	15	18	22	26
Full load current per compressor (A)	17	22	32	29.7	35.7	42	50.2
Starting current (A)	76.3	106	146	103.95	124.95	163.8	220.88
Cooling air flow / compressor (m <sup>3</sup> /s)	0.8	0.8	1	0.6	1	1	1.2
Part Number - 7 bar	8153 0345 44	8153 0345 51	8153 0345 69	8153 6165 22	8153 6165 55	8153 6165 89	8153 6166 13
Part Number - 9.5 bar	8153 0343 04	8153 0343 20	8153 0343 46	8153 6165 30	8153 6165 63	8153 6165 97	8153 6166 21
Part Number - 12.5 bar	8153 0343 12	8153 0343 38	8153 0343 53	8153 6165 48	8153 6165 71	8153 6166 05	8153 6166 39
Drawing Number	9828 4969 26	9828 4969 26	9828 4969 26	9828 0831 80	9828 0831 80	9828 0831 80	9828 0831 80

\* Output flow stated at reference conditions





**Compressor Selection Table**

**Variable Speed Drive - GA VSD+ MED Screw - 60Hz**

Model Name	GA7 VSD+ MED	GA11 VSD+ MED	GA15 VSD+ MED	GA18 VSD+ MED	GA22 VSD+ MED
Output flow (litres/minute) 7 bar , 10 bar and 13bar variants *	1302 / 1080 / 852	1950 / 1632 / 1410	2508 / 2130 / 1674	3750 / 3216 / 2610	4506 / 3912 / 3246
Footprint L x W x H (mm)	720 x 630 x 1420	720 x 630 x 1420	720 x 630 x 1420	990 x 790 x 1590	990 x 790 x 1590
Compressor weight (kg)	208	211	214	387	387
Service connection (mm)	22	22	22	22	22
Noise level/pump (dB[A])	62	63	64	67	67
Maximum ambient temperature (°C)	46	46	46	46	46
Supply voltage (v)	380-460	380-460	380-460	380-460	380-460
Supply frequency (Hz)	60	60	60	60	60
Nominal motor rating (kW) (1900 rpm - 5250 rpm full load)	2.9 - 7.9	2.9 - 12.1	3 - 17.1	5 - 20.1	5.1 - 24
Full load current per compressor (A)	18.4	24.4	31.4	44.0	59.0
Cooling air flow per compressor (m³/s)	0.8	0.8	0.8	1.3	1.3
Part Number - HTM	8102 3414 21	8102 3414 24	8102 3414 27	8102 3414 30	8102 3414 33
Part Number - ISO	8102 3414 45	8102 3414 48	8102 3414 51	8102 3414 54	8102 3414 57
Drawing Number - HTM	9820 6950 05	9820 6950 05	9820 6950 05	9820 6950 07	9820 6950 07
Drawing Number - ISO	9820 6950 04	9820 6950 04	9820 6950 04	9820 6950 06	9820 6950 06

Model Name	GA26 VSD+ MED	GA30 VSD+ MED	GA37 VSD+ MED
Output flow (litres/minute) 7 bar , 10 bar and 13bar variants *	5148 / 4704 / 3870	5844 / 5136 / 4320	6900 / 6138 / 5202
Footprint L x W x H (mm)	990 x 790 x 1590	990 x 790 x 1590	990 x 790 x 1590
Compressor weight (kg)	393	396	396
Service connection (mm)	22	22	22
Noise level/pump (dB[A])	67	67	67
Maximum ambient temperature (°C)	46	46	46
Supply voltage (v)	380-460	380-460	380-460
Supply frequency (Hz)	60	60	60
Nominal motor rating (kW) (1900 rpm - 5250 rpm full load)	5.5 - 29	5.5 - 34.3	5.4 - 41.2
Full load current per compressor (A)	59.4	72.5	88.7
Cooling air flow per compressor (m³/s)	1.6	1.6	1.76
Part Number - HTM	8102 3414 36	8102 3414 39	8102 3414 42
Part Number - ISO	8102 3414 60	8102 3414 63	8102 3414 66
Drawing Number - HTM	9820 6950 07	9820 6950 07	9820 6950 07
Drawing Number - ISO	9820 6950 06	9820 6950 06	9820 6950 06

\*Variable speed drive compressor operate from 4-13 bar - start current not applicable for VSD

**Receiver Selection Table**
**Steel, Powder Coated (Standard)**

Receiver Capacity (litres)	250	500	1000	1500	2000	3000
Maximum working pressure (bar)	11	11	11	11	11	11
Individual Receiver Dimensions (diameter, height, mm)	457/2020	610/2105	762/2630	900/2670	1067/2775	1220/3050
Receiver Weight (kg)	155	195	380	520	800	1000
Receiver pipe size (mm)	28	28	42	42	42	42
Receiver Part Number	8102 3405 70	8102 3405 74	8102 3405 76	8102 3405 78	8102 3405 80	8102 3405 82
Receiver Accessory Kit	8102 3405 90	8102 3405 94	8102 3405 96	8102 3405 98	8102 3406 00	8102 3406 02

Receiver Capacity (litres)	250	500	1000	1500	2000	3000
Maximum working pressure (bar)	14	14	14	14	14	14
Individual Receiver Dimensions (diameter, height, mm)	457/2050	610/2105	762/2650	915/2650	1067/2725	1220/3200
Receiver Weight (kg)	160	200	500	575	950	1400
Receiver pipe size (mm)	28	28	42	42	42	42
Receiver Part Number	8102 3405 71	8102 3405 75	8102 340 577	8102 3405 79	8102 3405 81	8102 3405 83
Receiver Accessory Kit	8102 3405 91	8102 3405 95	8102 3405 97	8102 3405 99	8102 3406 01	8102 3406 03

**Galvanised steel (MOM standard - option)**

Receiver Capacity (litres)	250	500	1000	1500	2000
Maximum working pressure (bar)	16	16	16	16	16
Individual Receiver Dimensions (diameter, height, mm)	500/1950	600/2350	800/2550	1000/2525	1150/2605
Receiver Weight (kg)	80	160	304	445	557
Receiver pipe size (mm)	22	22	28	28	35
Receiver Part Number	8102 0458 80	8102 0459 06	8102 0459 22	8102 0459 48	8102 0463 00
Receiver Accessory Kit	1609 1042 00	1609 1040 00	1609 1034 00	1609 1036 00	1609 1038 00

\* Accessory kit for medical air receiver complete with plant data plate, test certificate, pressure safety valve, zero-loss electronic drain valve (with isolation and bypass valve), pressure gauge (with isolation valve), fusible plug, copper inlet and outlet union connection pipes (each with isolation valve).

**Dryer Selection Table**
**Dryer Performance Data - 4 bar System**

Model Name	dMED 025	dMED 035	dMED 045	dMED 075	dMED 090	dMED 110	dMED 150	dMED 220	dMED 300
Inlet flow (l/m) at 7.5 Bar *	708	991	1274	2124	2549	3115	4248	6230	8495
Output flow (l/m) at 4 bar	581	813	1045	1742	2090	2554	3483	5109	6966
Inlet flow (l/m) at 10 Bar **	963	1359	1756	2917	3483	4276	5833	8523	11638
Output flow (l/m) at 4 bar	836	1181	1527	2535	3024	3715	5068	7402	10109
Inlet flow (l/m) at 13 Bar ***	1246	1727	2237	3710	4474	5465	7447	10902	14866
Output flow (l/m) at 4 bar	1119	1549	2008	3328	4015	4904	6682	9781	13337
Part Number - dryer at 4 bar outlet + QDT	8102 3709 63	8102 3709 66	8102 3709 69	8102 3709 75	8102 3709 78	8102 3709 81	8102 3709 84	8102 3709 90	8102 3709 93
Part Number - dryer at 4 bar outlet + QDT hopcalite filter for EurPh	8102 3711 93	8102 3711 96	8102 3711 99	8102 3712 05	8102 3712 08	8102 3712 11	8102 3712 14	8102 3712 20	8102 3712 23

\* 7.5 to 4 bar setup is supplied as standard to the above part numbers.

\*\* For 10 to 4 bar order the above part numbers plus the option 0000 0224 18 (Factory set 10 to 4 bar dryer)

\*\*\* For 13 to 4 bar order the above part numbers plus the option 0000 0224 19 (Factory set 13 to 4 bar dryer)

**Dryer Performance Data - 7 & 8 bar System**

Model Name	dMED 025	dMED 035	dMED 045	dMED 075	dMED 090	dMED 110	dMED 150	dMED 220	dMED 300
Inlet flow (l/m) at 10 Bar *	963	1359	1756	2917	3483	4276	5833	8523	10638
Output flow (l/m) at 7 bar	836	1181	1527	2535	3024	3715	5068	7402	10109
Inlet flow (l/m) at 13 Bar **	1246	1727	2237	3710	4474	5465	7447	10902	14866
Output flow (l/m) at 8 bar	1119	1549	2008	3328	4015	4904	6682	9781	13337
Part Number - dryer at 7 bar outlet + QDT	8102 3709 64	8102 3709 67	8102 3709 70	8102 3709 76	8102 3709 79	8102 3709 82	8102 3709 85	8102 3709 91	8102 3709 94
Part Number - dryer at 7 bar outlet + QDT hopcalite filter for EurPh	8102 3711 94	8102 3711 97	8102 3712 00	8102 3712 06	8102 3712 09	8102 3712 12	8102 3712 15	8102 3712 21	8102 3712 24

\* 10 to 7 bar setup is supplied as standard to the above part numbers.

\*\* For 13 to 8 bar order the above part numbers plus the option 0000 0224 38 (Factory set 13 to 8 bar dryer)

**Dryer Performance Data - 10 bar System**

Model Name	dMED 025	dMED 035	dMED 045	dMED 075	dMED 090	dMED 110	dMED 150	dMED 220	dMED 300
Inlet flow at 13 bar (litres/minute)	1246	1727	2237	3710	4474	5465	7447	10902	14866
Output flow (litres/minute) at 10 bar line pressure *	1119	1549	2008	3328	4015	4904	6682	9781	13337
Part Number - dryer at 10 bar outlet + QDT	8102 3709 65	8102 3709 68	8102 3709 71	8102 3709 77	8102 3709 80	8102 3709 83	8102 3709 86	8102 3709 92	8102 3709 95
Part Number - dryer at 10 bar outlet + QDT hopcalite filter for EurPh	8102 3711 95	8102 3711 98	8102 3712 01	8102 3712 07	8102 3712 10	8102 3712 13	8102 3712 16	8102 3712 22	8102 3712 25

**Dryer General Data - All types**

Model Name	dMED 025	dMED 035	dMED 045	dMED 075	dMED 090
Footprint L x W x H (mm)	1300 x 750 x 1580	1300 x 750 x 1600	1300 x 750 x 1580	1300 x 750 x 1580	1300 x 750 x 1580
Dryer weight (kg)	220	240	280	320	360
Inlet and outlet connections (mm)	28	28	28	28	28
Supply voltage (v)	115/230	115/230	115/230	115/230	115/230
Supply frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Central control supply - single phase (mm2/Amps)	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1

Model Name	dMED 110	dMED 150	dMED 220	dMED 300
Footprint L x W x H (mm)	1300 x 750 x 1720	1600 x 750 x 1890	1900 x 1080 x 1580	1900 x 1080 x 1920
Dryer weight (kg)	450	510	650	760
Inlet and outlet connections (mm)	28	28	42	42
Supply voltage (v)	115/230	115/230	115/230	115/230
Supply frequency (Hz)	50/60	50/60	50/60	50/60
Central control supply - single phase (mm2/Amps)	1.5/1	1.5/1	1.5/1	1.5/1

\* Output flow stated includes calculated purge lost during the regeneration process of between 15-19% depending on model and inlet pressure.

Notes on plant:

- Design flow in terms of free air delivered after losses at working pressure with the reserve compressor(s) on standby. Tolerance  $\pm 5\%$ .
- Component dimensions supplied do not include maintenance access space, and are provided to allow customer to arrange plant components within plant room. Complete installation drawings are available on request. Quote the drawing number required.
- Duplex systems must be installed with a manifold as the third source of supply for HTM02-01 compliance.
- Mean sound level in accordance with ISO 2151.
- Electrical details are provided for guidance only. Site conditions may impose a larger cable size. For exact cable sizing and fuse/MCB ratings, consult a qualified electrical engineer.



dMED Air Purifier Options	
CO sensor for dMED Air Purifier	0000 0224 27
CO2 sensor for dMED Air Purifier	0000 0224 28
CO2 & CO sensor for dMED Air Purifier	0000 0224 29

EWD on WSD and filters (24V), 025-090	0000 0224 08
EWD on WSD and filters (24V), 110-300	0000 0224 09

QDT saturation indicator	0000 0203 59
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\* Only up to 10bar

Factory set 10 to 4 bar dryer	0000 0224 18
Factory set 13 to 4 bar dryer	0000 0224 19
Factory set 13 to 8 bar dryer	0000 0224 38

**Air Plant Selection Table**

**HTM 02-01 Medical Air 4 bar – 50 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-QGF	mAIR-QGF	mAIR-QGF	mAIR-QGF
Model Description	mAIR-TGF4-722 HTM02-01 50Hz	mAIR-TGF4-1000 HTM02-01 50Hz	mAIR-TGF4-1460 HTM02-01 50Hz	mAIR-TGF4-2175 HTM02-01 50Hz	mAIR-TGF4-2619 HTM02-01 50Hz	mAIR-TGF4-3105 HTM02-01 50Hz	mAIR-TGF4-3483 HTM02-01 50Hz	mAIR-QGF4-4351 HTM02-01 50Hz	mAIR-QGF4-5109 HTM02-01 50Hz	mAIR-QGF4-6211 HTM02-01 50Hz	mAIR-QGF4-6966 HTM02-01 50Hz
Design Flow (L/min) *	722	1000	1460	2175	2619	3105	3483	4351	5109	6211	6966
Number of compressors	3	3	3	3	3	3	3	4	4	4	4
Type of compressor	GA5 MED 7.5 bar	GA7 MED 7.5 bar	GA11 MED 7.5 bar	GA15 MED 7.5 bar	GA18 MED 7.5 bar	GA22 MED 7.5 bar	GA26 MED 7.5 bar	GA15 MED 7.5 bar	GA18 MED 7.5 bar	GA22 MED 7.5 bar	GA26 MED 7.5 bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4	dMED 300 7.5-4
Number of receivers	2	2	2	2	2	2	2	2	2	2	2
Receiver volume (l) each	250 11bar	250 11bar	500 11bar	1000 11 bar	1000 11 bar	1000 11 bar	1000 11 bar	1500 11 bar	1500 bar	2000 11 bar	2000 11 bar
Part Number (With Vessels)	4233600592	4233600593	4233600594	4233600595	4233600596	4233600597	4233600598	4233600599	4233600600	4233600601	4233600602
Part Number (No Vessels)	4233600966	4233600967	4233600968	4233600969	4233600970	4233600971	4233600972	4233600973	4233600974	4233600975	4233600976

\* Actual plant flow is equal to Design Flow (DF)

**HTM 02-01 Combined Air 7 bar – 50 Hz**
**GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF
Model Description	cAIR-TGF7-836- HTM 02-01 50Hz	cAIR-TGF7-1028- HTM 02-01 50Hz	cAIR-TGF7-1527- HTM 02-01 50Hz	cAIR-TGF7-2272- HTM 02-01 50Hz	cAIR-TGF7-2838- HTM 02-01 50Hz	cAIR-TGF7-3234- HTM 02-01 50Hz
Design flow (L/min) *	836	1028	1527	2272	2838	3234
Actual Plant Flow (L/min)	575	854	1331	1886	2355	2685
Number of Compressors	3	3	3	3	3	3
Type of compressor	GA5 MED 10 bar	GA7 MED 10 bar	GA11 MED 10 bar	GA15 MED 10 bar	GA18 MED 10 bar	GA22 MED 10 bar
Type of dryer	dMED 025 10-7	dMED 025 10-7	dMED 045 10-7	dMED 075 10-7	dMED 090 10-7	dMED 110 10-7
Number of receivers	2	2	2	2	2	2
Receiver volume (l) each	1000 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	1500 11 Bar
Part Number (With Vessels)	4233600603	4233600604	4233600605	4233600606	4233600607	4233600608
Part Number (No Vessels)	4233600977	4233600978	4233600979	4233600980	4233600981	4233600982

Model Name	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-PGF
Model Description	cAIR-QGF7-4544- HTM 02-01 50Hz	cAIR-QGF7-5430- HTM 02-01 50Hz	cAIR-QGF7-6472- HTM 02-01 50Hz	cAIR-QGF7-7402- HTM 02-01 50Hz	cAIR-PGF7-10109- HTM 02-01 50Hz
Design flow (L/min) *	4544	5430	6472	7402	10109
Actual Plant Flow (L/min)	3771	4507	5371	6799	8209
Number of Compressors	4	4	4	4	5
Type of compressor	GA15 MED 10 bar	GA18 MED 10 bar	GA22 MED 10 bar	GA26 MED 10 bar	GA22 MED 10 bar
Type of dryer	dMED 150 10-7	dMED 220 10-7	dMED 220 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	3	3	3	3	3
Receiver volume (l) each	1500 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar
Part Number (With Vessels)	4233600609	4233600610	4233600611	4233600612	4233600613
Part Number (No Vessels)	4233600983	4233600984	4233600985	4233600986	4233600987

\* Plant based on a 50/50 split of medical and surgical air design flow.





**HTM 02-01 Combined Air 8 bar – 50 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF
Model Description	cAIR-TGF8-566- HTM 02-01 50Hz	cAIR-TGF8-874- HTM 02-01 50Hz	cAIR-TGF8-1376- HTM 02-01 50Hz	cAIR-TGF8-2008- HTM 02-01 50Hz	cAIR-TGF8-2388- HTM 02-01 50Hz	cAIR-TGF8-2974- HTM 02-01 50Hz	cAIR-TGF8-3328- HTM 02-01 50Hz
Design flow (L/min) *	566	874	1376	2008	2388	2974	3328
Actual Plant Flow (L/min)	377	725	1142	1709	1982	2468	2978
Number of Compressors	3	3	3	3	3	3	3
Type of compressor	GA5 MED 13 bar	GA7 MED 13 bar	GA11 MED 13 bar	GA15 MED 13 bar	GA18 MED 13 bar	GA22 MED 13 bar	GA26 MED 13 bar
Type of dryer	dMED 025 13-8	dMED 025 13-8	dMED 035 13-8	dMED 045 13-8	dMED 075 13-8	dMED 075 13-8	dMED 075 13-8
Number of receivers	2	2	2	2	2	2	2
Receiver volume (l) each	500 14 Bar	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar
Part Number (With Vessels)	4233600614	4233600615	4233600616	4233600617	4233600618	4233600619	4233600620
Part Number (No Vessels)	4233600988	4233600989	4233600990	4233600991	4233600992	4233600993	4233600994

Model Name	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-PGF	cAIR-HGF
Model Description	cAIR-QGF8-4015- HTM 02-01 50Hz	cAIR-QGF8-4904- HTM 02-01 50Hz	cAIR-QGF8-5946- HTM 02-01 50Hz	cAIR-QGF8-6000- HTM 02-01 50Hz	cAIR-PGF8-9781- HTM 02-01 50Hz	cAIR-HGF8-12000- HTM 02-01 50Hz
Design flow (L/min) *	4015	4904	5946	6000	9781	12000
Actual Plant Flow (L/min)	3417	4167	4935	5955	7429	9871
Number of Compressors	4	4	4	4	5	6
Type of compressor	GA15 MED 13 bar	GA18 MED 13 bar	GA22 MED 13 bar	GA26 MED 13 bar	GA22 MED 13 bar	GA22 MED 13 bar
Type of dryer	dMED 090 13-8	dMED 110 13-8	dMED 150 13-8	dMED 150 13-8	dMED 220 13-8	dMED 300 13-8
Number of receivers	2	3	3	3	3	3
Receiver volume (l) each	2000 14 Bar	1500 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233600621	4233600622	4233600623	4233600624	4233600625	4233600626
Part Number (No Vessels)	4233600995	4233600996	4233600997	4233600998	4233600999	4233601000

\* Plant based on a 50/50 split of medical and surgical air design flow.

**HTM 02-01 Combined Air 10 bar - 50Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF
<b>Model Description</b>	cAIR-TGF10-566- HTM 02-01 50Hz	cAIR-TGF10-874- HTM 02-01 50Hz	cAIR-TGF10-1376- HTM 02-01 50Hz	cAIR-TGF10-2008- HTM 02-01 50Hz	cAIR-TGF10-2388- HTM 02-01 50Hz	cAIR-TGF10-2974- HTM 02-01 50Hz	cAIR-TGF10-3328- HTM 02-01 50Hz
<b>Design Flow (L/min) *</b>	566	874	1376	2008	2388	2974	3328
<b>Actual Plant Flow (L/min)</b>	377	725	1142	1709	1982	2468	2978
<b>Number of Compressors</b>	3	3	3	3	3	3	3
<b>Type of Compressor</b>	GA5 MED 13 Bar	GA7 MED 13 Bar	GA11 MED 13 Bar	GA15 MED 13 Bar	GA18 MED 13 Bar	GA 22 MED 13 Bar	GA 26 MED 13 Bar
<b>Type of dryer</b>	dMED 025 13-10	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 075 13-10	dMED 075 13-10
<b>Number of receivers</b>	2	2	2	2	2	2	2
<b>Receiver volume (l) each</b>	500 14 Bar	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar
<b>Part Number (With Vessels)</b>	4233600627	4233600628	4233600629	4233600630	4233600631	4233600632	4233600633
<b>Part Number (No Vessels)</b>	4233601001	4233601002	4233601003	4233601004	4233601005	4233601006	4233601007

Model Name	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-PGF	cAIR-HGF
<b>Model Description</b>	cAIR-QGF10-4015- HTM 02-01 50Hz	cAIR-QGF10-4904- HTM 02-01 50Hz	cAIR-QGF10-5946- HTM 02-01 50Hz	cAIR-QGF10-6000- HTM 02-01 50Hz	cAIR-PGF10-9781- HTM 02-01 50Hz	cAIR-HGF10-12000- HTM 02-01 50Hz
<b>Design Flow (L/min) *</b>	4015	4904	5946	6000	9781	12000
<b>Actual Plant Flow (L/min)</b>	3417	4167	4935	5955	7429	9871
<b>Number of Compressors</b>	4	4	4	4	5	6
<b>Type of Compressor</b>	GA15 MED 13 Bar	GA18 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar	GA22 MED 13 Bar	GA22 MED 13 Bar
<b>Type of dryer</b>	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
<b>Number of receivers</b>	2	3	3	3	3	3
<b>Receiver volume (l) each</b>	2000 14 Bar	1500 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
<b>Part Number (With Vessels)</b>	4233600634	4233600635	4233600636	4233600637	4233600638	4233600639
<b>Part Number (No Vessels)</b>	4233601008	4233601009	4233601010	4233601011	4233601012	4233601013

\* Plant based on a 50/50 split of medical and surgical air design flow.



**HTM 02-01 Medical Air 4 bar - 50Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-QGV
Model Description	mAIR-TGV4-813 HTM02-01 50Hz	mAIR-TGV4-1000 HTM02-01 50Hz	mAIR-TGV4-1568 HTM02-01 50Hz	mAIR-TGV4-1947 HTM02-01 50Hz	mAIR-TGV4-2985 HTM02-01 50Hz	mAIR-TGV4-3483 HTM02-01 50Hz	mAIR-TGV4-4000 HTM02-01 50Hz	mAIR-TGV4-5109 HTM02-01 50Hz	mAIR-QGV4-6966- HTM 02-01 50Hz
Design Flow (L/min) *	813	1000	1568	1947	2985	3483	4000	5109	6966
Number of Compressors	3	3	3	3	3	3	3	3	4
Type of Compressor	GA7 MED VSD+ 7.5 Bar	GA7 MED VSD+ 7.5 Bar	GA11 MED VSD+ 7.5 Bar	GA15 MED VSD+ 7.5 Bar	GA18 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar	GA26 MED VSD+ 7.5 Bar	GA37 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4
Number of receivers	2	2	2	2	2	2	2	2	2
Receiver volume (l) each	250 11 Bar	250 11 Bar	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233 6006 40	4233 6006 41	4233 6006 42	4233 6006 43	4233 6006 44	4233 6006 45	4233 6006 46	4233 6006 47	4233 6006 48
Part Number (No Vessels)	4233 6010 14	4233 6010 15	4233 6010 16	4233 6010 17	4233 6010 18	4233 6010 19	4233 6010 20	4233 6010 21	4233 6010 22

\* Actual plant flow is equal to Design Flow (DF)

**HTM 02-01 Combined Air 7 bar - 50Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-QGV	cAIR-PGV
Model Description	cAIR-TGV7-1086- HTM 02-01 50Hz	cAIR-TGV7-2106- HTM 02-01 50Hz	cAIR-TGV7-3198- HTM 02-01 50Hz	cAIR-TGV7-4746- HTM 02-01 50Hz	cAIR-QGV7-6398- HTM 02-01 50Hz	cAIR-QGV7-8394- HTM 02-01 50Hz	cAIR-PGV7-10109- HTM 02-01 50Hz
Design Flow (L/min) *	1086	2106	3198	4746	6398	8394	10109
Actual Plant Flow (L/min)	902	1748	2655	3939	5311	6295	8119
Number of compressors	3	3	3	3	4	4	5
Type of Compressor	GA7 MED VSD+ 10 Bar	GA15 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA26 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar
Type of dryer	dMED 035 10-7	dMED 075 10-7	dMED 110 10-7	dMED 150 10-7	dMED 220 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	2	2	2	2	3	3	3
Receiver volume (l) each	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	3000 11 Bar
Part Number (With Vessels)	4233600650	4233600651	4233600652	4233600653	4233600654	4233600655	4233600656
Part Number (No Vessels)	4233601024	4233601025	4233601026	4233601027	4233601028	4233601029	4233601030

\* Plant based on a 50/50 split of medical and surgical air design flow.



**HTM 02-01 Combined Air 8 bar - 50Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-PGV	cAIR-PGV
Model Description	cAIR-TGV8-874- HTM 02-01 50Hz	cAIR-TGV8-1484- HTM 02-01 50Hz	cAIR-TGV8-1740- HTM 02-01 50Hz	cAIR-TGV8-2684- HTM 02-01 50Hz	cAIR-TGV8-3328- HTM 02-01 50Hz	cAIR-TGV8-4015- HTM 02-01 50Hz	cAIR-TGV8-4904- HTM 02-01 50Hz	cAIR-QGV8-6000- HTM 02-01 50Hz	cAIR-PGV8-8946- HTM 02-01 50Hz	cAIR-PGV8-12000- HTM 02-01 50Hz
Design Flow (L/min) *	874	1484	1740	2684	3328	4015	4904	6000	8946	12000
Actual Plant Flow (L/min)	725	1232	1445	2228	2864	3411	4641	5727	6709	10081
Number of compressors	3	3	3	3	3	3	3	4	5	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-8	dMED 035 13-8	dMED 045 13-8	dMED 075 13-8	dMED 075 13-8	dMED 090 13-8	dMED 110 13-8	dMED 150 13-8	dMED 220 13-8	dMED 300 13-8
Number of receivers	2	2	2	2	2	2	3	3	3	3
Receiver volume (l) each	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	2000 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6006 57	4233 6006 58	4233 6006 59	4233 6006 60	4233 6006 61	4233 6006 62	4233 6006 63	4233 6006 64	4233 6006 65	4233 6006 66
Part Number (No Vessels)	4233 6010 31	4233 6010 32	4233 6010 33	4233 6010 34	4233 6010 35	4233 6010 36	4233 6010 37	4233 6010 38	4233 6010 39	4233 6010 40

\* Plant based on a 50/50 split of medical and surgical air design flow.

**HTM 02-01 Combined Air 10 bar - 50Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-PGV	cAIR-PGV
Model Description	cAIR-TGV10-874- HTM 02-01 50Hz	cAIR-TGV10-1484- HTM 02-01 50Hz	cAIR-TGV10-1740- HTM 02-01 50Hz	cAIR-TGV10-2684- HTM 02-01 50Hz	cAIR-TGV10-3328- HTM 02-01 50Hz	cAIR-TGV10-4015- HTM 02-01 50Hz	cAIR-TGV10-4904- HTM 02-01 50Hz	cAIR-QGV10-6000- HTM 02-01 50Hz	cAIR-PGV10-8946- HTM 02-01 50Hz	cAIR-PGV10-12000- HTM 02-01 50Hz
Design Flow (L/min) *	874	1484	1740	2684	3328	4015	4904	6000	8946	12000
Actual Plant Flow (L/min)	725	1232	1445	2228	2864	3411	4641	5727	6709	10081
Number of Compressors	3	3	3	3	3	3	3	4	5	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
Number of receivers	2	2	2	2	2	2	3	3	3	3
Receiver volume (l) each	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	2000 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6006 67	4233 6006 68	4233 6006 69	4233 6006 70	4233 6006 71	4233 6006 72	4233 6006 73	4233 6006 74	4233 6006 75	4233 6006 76
Part Number (No Vessels)	4233 6010 41	4233 6010 42	4233 6010 43	4233 6010 44	4233 6010 45	4233 6010 46	4233 6010 47	4233 6010 48	4233 6010 49	4233 6010 50

\* Plant based on a 50/50 split of medical and surgical air design flow.



**HTM 02-01 Medical Air 4 bar – 60 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-QGF	mAIR-QGF	mAIR-QGF	mAIR-QGF
Model Description	mAIR-TGF4-722 HTM02-01 60Hz	mAIR-TGF4-1000 HTM02-01 60Hz	mAIR-TGF4-1442 HTM02-01 60Hz	mAIR-TGF4-2157 HTM02-01 60Hz	mAIR-TGF4-2619 HTM02-01 60Hz	mAIR-TGF4-3189 HTM02-01 60Hz	mAIR-TGF4-3483 HTM02-01 60Hz	mAIR-QGF4-4315 HTM02-01 60Hz	mAIR-QGF4-5109 HTM02-01 60Hz	mAIR-QGF4-6379 HTM02-01 60Hz	mAIR-QGF4-6966 HTM02-01 60Hz
Design Flow L/min) *	722	1000	1442	2157	2619	3189	3483	4315	5109	6379	6966
Number of Compressors	3	3	3	3	3	3	3	4	4	4	4
Type of Compressors	GA5 MED 7.5 Bar	GA7 MED 7.5 Bar	GA11 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 Bar	GA26 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 Bar	GA26 MED 7.5 Bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4	dMED 300 7.5-4
Number of receivers	2	2	2	2	2	2	2	2	2	2	2
Receiver volume (l) each	250 11 Bar	250 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233 6006 77	4233 6006 78	4233 6006 79	4233 6006 80	4233 6006 81	4233 6006 82	4233 6006 83	4233 6006 84	4233 6006 85	4233 6006 86	4233 6006 87
Part Number (No Vessels)	4233 6010 51	4233 6010 52	4233 6010 53	4233 6010 54	4233 6010 55	4233 6010 56	4233 6010 57	4233 6010 58	4233 6010 59	4233 6010 60	4233 6010 61

\* Actual plant flow is equal to Design Flow (DF)

**HTM 02-01 Medical Air 7 bar – 60 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-QGF	mAIR-QGF	mAIR-QGF	mAIR-PGF
Model Description	cAIR-TGF7-836- HTM 02-01 60Hz	cAIR-TGF7-1028- HTM 02-01 60Hz	cAIR-TGF7-1524- HTM 02-01 60Hz	cAIR-TGF7-2294- HTM 02-01 60Hz	cAIR-TGF7-2736- HTM 02-01 60Hz	cAIR-TGF7-3024- HTM 02-01 60Hz	cAIR-TGF7-3715- HTM 02-01 60Hz	cAIR-QGF7-4586- HTM 02-01 60Hz	cAIR-QGF7-6000- HTM 02-01 60Hz	cAIR-QGF7-7402- HTM 02-01 60Hz	cAIR-PGF7-10109- HTM 02-01 60Hz
Design Flow (L/min) *	836	1028	1524	2294	2736	3024	3715	4586	6000	7402	10109
Actual Plant Flow (L/min)	575	854	1265	1904	2271	2757	3177	3807	5311	6355	8119
Number of Compressors	3	3	3	3	3	3	3	4	4	4	5
Type of Compressors	GA5 MED 10 Bar	GA7 MED 10 Bar	GA11 MED 10 Bar	GA15 MED 15 Bar	GA18 MED 10 Bar	GA22 MED 10 Bar	GA26 MED 10 Bar	GA15 MED 10 Bar	GA22 MED 10 Bar	GA26 MED 10 Bar	GA22 MED 10 Bar
Type of dryer	dMED 025 10-7	dMED 035 10-7	dMED 045 10-7	dMED 075 10-7	dMED 090 10-7	dMED 090 10-7	dMED 110 10-7	dMED 150 10-7	dMED 220 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	2	2	2	2	2	2	2	3	3	3	3
Receiver volume (l) each	1000 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	1500 11 Bar	2000 11 Bar	1500 11 Bar	1500 11 Bar	2000 11 Bar	3000 11 Bar
Part Number (With Vessels)	4233 6006 88	4233 6006 89	4233 6006 90	4233 6006 91	4233 6006 92	4233 6006 93	4233 6006 94	4233 6006 95	4233 6006 96	4233 6006 97	4233 6006 98
Part Number (No Vessels)	4233 6010 62	4233 6010 63	4233 6010 64	4233 6010 65	4233 6010 66	4233 6010 67	4233 6010 68	4233 6010 69	4233 6010 70	4233 6010 71	4233 6010 72

\* Plant based on a 50/50 split of medical and surgical air design flow.

**HTM 02-01 Combined Air 8 bar - 60Hz**
**GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF
Model Description	cAIR-TGF8-576- HTM 02-01 60Hz	cAIR-TGF8-874- HTM 02-01 60Hz	cAIR-TGF8-1376- HTM 02-01 60Hz	cAIR-TGF8-1958- HTM 02-01 60Hz	cAIR-TGF8-2504- HTM 02-01 60Hz	cAIR-TGF8-2988- HTM 02-01 60Hz	cAIR-TGF8-3328- HTM 02-01 60Hz
Design Flow (L/min) *	576	874	1376	1958	2504	2988	3328
Actual Plant Flow (L/min)	383	725	1142	1625	2078	2480	3068
Number of Compressors	3	3	3	3	3	3	3
Type of Compressor	GA5 MED 13 Bar	GA7 MED 13 Bar	GA 11 MED 13 Bar	GA15 MED 13 Bar	GA18 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar
Type of dryer	dMED 025 13-8	dMED 025 13-8	dMED 035 13-8	dMED 045 13-8	dMED 075 13-8	dMED 075 13-8	dMED 075 13-8
Number of receivers	1	2	2	2	2	2	2
Receiver volume (l) each	1000 14 Bar	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar
Part Number (With Vessels)	4233600699	4233600700	4233600701	4233600702	4233600703	4233600704	4233600705
Part Number (No Vessels)	4233601073	4233601074	4233601075	4233601076	4233601077	4233601078	4233601079

Model Name	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-PGF	cAIR-HGF
Model Description	cAIR-QGF8-3914- HTM 02-01 60Hz	cAIR-QGF8-4904- HTM 02-01 60Hz	cAIR-QGF8-5974- HTM 02-01 60Hz	cAIR-QGF8-6000- HTM 02-01 60Hz	cAIR-PGF8-9781- HTM 02-01 60Hz	cAIR-HGF8-12000- HTM 02-01 60Hz
Design Flow (L/min) *	3914	4904	5974	6000	9781	12000
Actual Plant Flow (L/min)	3249	4359	4959	6135	7465	9919
Number of Compressors	4	4	4	4	5	6
Type of Compressor	GA15 MED 13 Bar	GA18 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar	GA22 MED 13 Bar	GA22 MED 13 Bar
Type of dryer	dMED 090 13-8	dMED 110 13-8	dMED 150 13-8	dMED 150 13-8	dMED 220 13-8	dMED 300 13-8
Number of receivers	2	3	3	3	3	3
Receiver volume (l)	2000 14 Bar	1500 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233600706	4233600707	4233600708	4233600709	4233600710	4233600711
Part Number (No Vessels)	4233601080	4233601081	4233601082	4233601083	4233601084	4233601085

\* Plant based on a 50/50 split of medical and surgical air design flow.





**HTM 02-01 Combined Air 10 bar - 60Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF	cAIR-TGF
<b>Model Description</b>	cAIR-TGF10-576- HTM 02-01 60Hz	cAIR-TGF10-874- HTM 02-01 60Hz	cAIR-TGF10-1376- HTM 02-01 60Hz	cAIR-TGF10-1958- HTM 02-01 60Hz	cAIR-TGF10-2504- HTM 02-01 60Hz	cAIR-TGF10-2988- HTM 02-01 60Hz	cAIR-TGF10-3328- HTM 02-01 60Hz
<b>Design Flow (L/min) *</b>	576	874	1376	1958	2504	2988	3328
<b>Actual Plant Flow (L/min)</b>	383	725	1142	1625	2078	2480	3068
<b>Number of Compressors</b>	3	3	3	3	3	3	3
<b>Type of Compressor</b>	GA5 MED 13 Bar	GA7 MED 13 Bar	GA11 MED 13 Bar	GA15 MED 13 Bar	GA18 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar
<b>Type of dryer</b>	dMED 025 13-10	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 075 13-10	dMED 075 13-10
<b>Number of receivers</b>	1	2	2	2	2	2	2
<b>Receiver volume (l) each</b>	1000 14 Bar	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar
<b>Part Number (With Vessels)</b>	4233600712	4233600713	4233600714	4233600715	4233600716	4233600717	4233600718
<b>Part Number (No Vessels)</b>	4233601086	4233601087	4233601088	4233601089	4233601090	4233601091	4233601092

Model Name	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-QGF	cAIR-PGF	cAIR-HGF
<b>Model Description</b>	cAIR-QGF10-3914- HTM 02-01 60Hz	cAIR-QGF10-4904- HTM 02-01 60Hz	cAIR-QGF10-5974- HTM 02-01 60Hz	cAIR-QGF10-6000- HTM 02-01 60Hz	cAIR-PGF10-9781- HTM 02-01 60Hz	cAIR-HGF10-12000- HTM 02-01 60Hz
<b>Design Flow (L/min) *</b>	3914	4904	5974	6000	9781	12000
<b>Actual Plant Flow (L/min)</b>	3249	4359	4959	6135	7465	9919
<b>Number of Compressors</b>	4	4	4	4	5	6
<b>Type of Compressor</b>	GA15 MED 13 Bar	GA18 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar	GA22 MED 13 Bar	GA22 MED 13 Bar
<b>Type of dryer</b>	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
<b>Number of receivers</b>	2	3	3	3	3	3
<b>Receiver volume (l) each</b>	2000 14 Bar	1500 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
<b>Part Number (With Vessels)</b>	4233600719	4233600720	4233600721	4233600722	4233600723	4233600724
<b>Part Number (No Vessels)</b>	4233601093	4233601094	4233601095	4233601096	4233601097	4233601098

\* Plant based on a 50/50 split of medical and surgical air design flow.

**HTM 02-01 Medical Air 4 bar - 60Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV	mAIR-TGV
Model Description	mAIR-TGV4-813 HTM02-01 60Hz	mAIR-TGV4-1000 HTM02-01 60Hz	mAIR-TGV4-1568 HTM02-01 60Hz	mAIR-TGV4-1947 HTM02-01 60Hz	mAIR-TGV4-2985 HTM02-01 60Hz	mAIR-TGV4-3483 HTM02-01 60Hz	mAIR-TGV4-4000 HTM02-01 60Hz	mAIR-TGV4-5109 HTM02-01 60Hz	mAIR-QGV4-6966- HTM 02-01 60Hz
Design Flow (L/min) *	813	1000	1568	1947	2985	3483	4000	5109	6966
Number of Compressors	3	3	3	3	3	3	3	3	4
Type of Compressor	GA7 MED VSD+ 7.5 Bar	GA7 MED VSD+ 7.5 Bar	GA11 MED VSD+ 7.5 Bar	GA15 MED VSD+ 7.5 Bar	GA18 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar	GA26 MED VSD+ 7.5 Bar	GA37 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4
Number of receivers	2	2	2	2	2	2	2	2	2
Receiver volume (l) each	250 11 Bar	250 11 Bar	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233 6007 25	4233 6007 26	4233 6007 27	4233 6007 28	4233 6007 29	4233 6007 30	4233 6007 31	4233 6007 32	4233 6007 33
Part Number (No Vessels)	4233 6010 99	4233 6011 00	4233 6011 01	4233 6011 02	4233 6011 03	4233 6011 04	4233 6011 05	4233 6011 06	4233 6011 07

\* Actual plant flow is equal to Design Flow (DF)

**HTM 02-01 Combined Air 7 bar - 60Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-QGV	cAIR-PGV
Model Description	cAIR-TGV7-1086- HTM 02-01 60Hz	cAIR-TGV7-2106- HTM 02-01 60Hz	cAIR-TGV7-3198- HTM 02-01 60Hz	cAIR-TGV7-4746- HTM 02-01 60Hz	cAIR-QGV7-6000- HTM 02-01 60Hz	cAIR-QGV7-8394- HTM 02-01 60Hz	cAIR-PGV7-10109- HTM 02-01 60Hz
Design Flow (L/min) *	1086	2106	3198	4746	6000	8394	10109
Actual Plant Flow (L/min)	902	1748	2655	3939	5311	6295	8119
Number of compressors	3	3	3	3	4	4	5
Type of Compressor	GA7 MED VSD+ 10 Bar	GA15 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA26 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar
Type of dryer	dMED 035 10-7	dMED 075 10-7	dMED 110 10-7	dMED 150 10-7	dMED 220 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	2	2	2	2	3	3	3
Receiver volume (l) each	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	1500 11 Bar	3000 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233600735	4233600736	4233600737	4233600738	4233600739	4233600740	4233600741
Part Number (No Vessels)	4233601109	4233601110	4233601111	4233601112	4233601113	4233601114	4233601115

\* Plant based on a 50/50 split of medical and surgical air design flow.



**HTM 02-01 Combined Air 8 bar - 60Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-PGV	cAIR-PGV
Model Description	cAIR-TGV8-874- HTM 02-01 60Hz	cAIR-TGV8-1484- HTM 02-01 60Hz	cAIR-TGV8-1740- HTM 02-01 60Hz	cAIR-TGV8-2684- HTM 02-01 60Hz	cAIR-TGV8-3328- HTM 02-01 60Hz	cAIR-TGV8-4015- HTM 02-01 60Hz	cAIR-TGV8-4904- HTM 02-01 60Hz	cAIR-QGV8-6000- HTM 02-01 60Hz	cAIR-PGV8-8946- HTM 02-01 60Hz	cAIR-PGV8-12000- HTM 02-01 60Hz
Design Flow (L/min) *	874	1484	1740	2684	3328	4015	4904	6000	8946	12000
Actual Plant Flow (L/min)	725	1232	1445	2228	2864	3411	4641	5727	6709	10081
Number of compressors	3	3	3	3	3	3	3	4	5	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-8	dMED 035 13-8	dMED 045 13-8	dMED 075 13-8	dMED 075 13-8	dMED 090 13-8	dMED 110 13-8	dMED 150 13-8	dMED 220 13-8	dMED 300 13-8
Number of receivers	2	2	2	2	2	2	3	3	3	3
Receiver volume (l) each	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	2000 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6007 42	4233 6007 43	4233 6007 44	4233 6007 45	4233 6007 46	4233 6007 47	4233 6007 48	4233 6007 49	4233 6007 50	4233 6007 51
Part Number (No Vessels)	4233 6011 16	4233 6011 17	4233 6011 18	4233 6011 19	4233 6011 20	4233 6011 21	4233 6011 22	4233 6011 23	4233 6011 24	4233 6011 25

\* Plant based on a 50/50 split of medical and surgical air design flow.

**HTM 02-01 Combined Air 10 bar - 60Hz**

**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-TGV	cAIR-QGV	cAIR-PGV	cAIR-PGV
Model Description	cAIR-TGV10-874- HTM 02-01 60Hz	cAIR-TGV10-1484- HTM 02-01 60Hz	cAIR-TGV10-1740- HTM 02-01 60Hz	cAIR-TGV10-2684- HTM 02-01 60Hz	cAIR-TGV10-3328- HTM 02-01 60Hz	cAIR-TGV10-4015- HTM 02-01 60Hz	cAIR-TGV10-4904- HTM 02-01 60Hz	cAIR-QGV10-6000- HTM 02-01 60Hz	cAIR-PGV10-8946- HTM 02-01 60Hz	cAIR-PGV10-12000- HTM 02-01 60Hz
Design Flow (L/min) *	874	1484	1740	2684	3328	4015	4904	6000	8946	12000
Actual Plant Flow (L/min)	725	1232	1445	2228	2864	3411	4641	5727	6709	10081
Number of compressors	3	3	3	3	3	3	3	4	5	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
Number of receivers	2	2	2	2	2	2	3	3	3	3
Receiver volume (l) each	1000 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	2000 14 Bar	1500 14 Bar	1500 14 Bar	3000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6007 52	4233 6007 53	4233 6007 54	4233 6007 55	4233 6007 56	4233 6007 57	4233 6007 58	4233 6007 59	4233 6007 60	4233 6007 61
Part Number (No Vessels)	4233 6011 26	4233 6011 27	4233 6011 28	4233 6011 29	4233 6011 30	4233 6011 31	4233 6011 32	4233 6011 33	4233 6011 34	4233 6011 35

**HTM 2022 Medical Air 4 bar - 50Hz**
**GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF
Model Description	mAIR-DGF4-722- HTM 2022 50Hz	mAIR-DGF4-1000- HTM 2022 50Hz	mAIR-DGF4-1460- HTM 2022 50Hz	mAIR-DGF4-2175- HTM 2022 50Hz	mAIR-DGF4-2619- HTM 2022 50Hz	mAIR-DGF4-3105- HTM 2022 50Hz	mAIR-DGF4-3483- HTM 2022 50Hz	mAIR-TGF4-4351- HTM 2022 50Hz	mAIR-TGF4-5109- HTM 2022 50Hz	mAIR-TGF4-6211- HTM 2022 50Hz	mAIR-TGF4-6966- HTM 2022 50Hz
Design Flow (L/min) *	722	1000	1460	2175	2619	3105	3483	4351	5109	6211	6966
Number of Compressors	2	2	2	2	2	2	2	3	3	3	3
Type of Compressor	GA5 MED 7.5 Bar	GA7 MED 7.5 Bar	GA11 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 bar	GA26 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 bar	GA26 MED 7.5 Bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4	dMED 300 7.5-4
Number of receivers	1	1	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 11 Bar	500 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	3000 11 Bar	2000 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233 6007 62	4233 6007 63	4233 6007 64	4233 6007 65	4233 6007 66	4233 6007 67	4233 6007 68	4233 6007 69	4233 6007 70	4233 6007 71	4233 6007 72
Part Number (No Vessels)	4233 6011 36	4233 6011 37	4233 6011 38	4233 6011 39	4233 6011 40	4233 6011 41	4233 6011 42	4233 6011 43	4233 6011 44	4233 6011 45	4233 6011 46

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 7 bar - 50Hz**
**GA MED Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-TGF	cAIR-TGF	cAIR-QGF
Model Description	cAIR-DGF7-575- HTM 2022 50Hz	cAIR-DGF7-854- HTM 2022 50Hz	cAIR-DGF7-1331- HTM 2022 50Hz	cAIR-DGF7-1886- HTM 2022 50Hz	cAIR-DGF7-2432- HTM 2022 50Hz	cAIR-DGF7-2787- HTM 2022 50Hz	cAIR-DGF7-3000- HTM 2022 50Hz	cAIR-TGF7-4863- HTM 2022 50Hz	cAIR-TGF7-6799- HTM 2022 50Hz	cAIR-QGF7-10109- HTM 2022 50Hz	
Design Flow (L/min) *	575	854	1331	1886	2432	2787	3000	4863	6799	10109	
Number of Compressors	2	2	2	2	2	2	2	3	3	4	
Type of Compressor	GA5 MED 10 Bar	GA7 MED 10 Bar	GA11 MED 10 Bar	GA15 MED 10 Bar	GA18 MED 10 Bar	GA22 MED 10 Bar	GA26 MED 10 Bar	GA18 MED 10 Bar	GA26 MED 10 Bar	GA26 MED 10 Bar	
Type of dryer	dMED 025 10-7	dMED 035 10-7	dMED 045 10-7	dMED 075 10-7	dMED 075 10-7	dMED 090 10-7	dMED 110 10-7	dMED 150 10-7	dMED 220 10-7	dMED 300 10-7	
Number of receivers	1	1	1	1	1	1	1	1	2	2	
Receiver volume (l) each	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	1500 11 Bar	3000 11 Bar	2000 11 Bar	3000 11 Bar	
Part Number (With Vessels)	4233 6007 73	4233 6007 74	4233 6007 75	4233 6007 76	4233 6007 77	4233 6007 78	4233 6007 79	4233 6007 80	4233 6007 81	4233 6007 82	
Part Number (No Vessels)	4233 6011 47	4233 6011 48	4233 6011 49	4233 6011 50	4233 6011 51	4233 6011 52	4233 6011 53	4233 6011 54	4233 6011 55	4233 6011 56	

\* Actual plant flow is equal to Design Flow (DF)



**HTM 2022 Medical Air 10 bar - 50Hz  
GA MED Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-TGF	cAIR-TGF	cAIR-QGF	cAIR-HGF
Model Description	cAIR-DGF8-725- HTM 2022 50Hz	cAIR-DGF10-1000- HTM 2022 50Hz	cAIR-DGF10-1709- HTM 2022 50Hz	cAIR-DGF10-2000- HTM 2022 50Hz	cAIR-DGF10-2901- HTM 2022 50Hz	cAIR-TGF10-4000- HTM 2022 50Hz	cAIR-TGF10-5955- HTM 2022 50Hz	cAIR-QGF10-8000- HTM 2022 50Hz	cAIR-HGF10-12000- HTM 2022 50Hz
Design Flow (L/min) *	725	1000	1709	2000	2901	4000	5955	8000	12000
Number of Compressors	2	2	2	2	2	3	3	4	6
Type of Compressor	GA7 MED 13 Bar	GA11 MED 13 Bar	GA15 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar	GA18 MED 13 Bar	GA26 MED 13 Bar	GA26 MED 13 Bar	GA22 MED 13 Bar
Type of dryer	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
Number of receivers	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 14 Bar	500 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	3000 14 Bar	2000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6007 83	4233 6007 84	4233 6007 85	4233 6007 86	4233 6007 87	4233 6007 88	4233 6007 89	4233 6007 90	4233 6007 91
Part Number (No Vessels)	4233 6011 57	4233 6011 58	4233 6011 59	4233 6011 60	4233 6011 61	4233 6011 62	4233 6011 63	4233 6011 64	4233 6011 65

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Medical Air 4 bar - 50Hz  
GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-TGV
Model Description	mAIR-DGV4-813 HTM2022 50Hz	mAIR-DGV4-1000 HTM2022 50Hz	mAIR-DGV4-1568 HTM2022 50Hz	mAIR-DGV4-1947 HTM2022 50Hz	mAIR-DGV4-2985 HTM2022 50Hz	mAIR-DGV4-3483 HTM2022 50Hz	mAIR-DGV4-4000 HTM2022 50Hz	mAIR-DGV4-5109 HTM2022 50Hz	mAIR-TGV4-6966 HTM2022 50Hz
Design Flow (L/min) *	813	1000	1568	1947	2985	3483	4000	5109	6966
Number of Compressors	2	2	2	2	2	2	2	2	3
Type of Compressor	GA7 MED VSD+ 7.5 Bar	GA7 MED VSD+ 7.5 Bar	GA11 MED VSD+ 7.5 Bar	GA15 MED VSD+ 7.5 Bar	GA18 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar	GA30 MED VSD+ 7.5 Bar	GA37 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar
Type of dryer	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4
Number of receivers	1	1	1	1	1	1	1	1	2
Receiver volume (l) each	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	2000 11 Bar
Part Number (With Vessels)	4233 6007 92	4233 6007 93	4233 6007 94	4233 6007 95	4233 6007 96	4233 6007 97	4233 6007 98	4233 6007 99	4233 6008 00
Part Number (No Vessels)	4233 6011 66	4233 6011 67	4233 6011 68	4233 6011 69	4233 6011 70	4233 6011 71	4233 6011 72	4233 6011 73	4233 6011 74

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 7 bar - 50Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-TGV	cAIR-QGV
Model Description	cAIR-DGV7-902- HTM 2022 50Hz	cAIR-DGV7-1403- HTM 2022 50Hz	cAIR-DGV7-1748- HTM 2022 50Hz	cAIR-DGV7-2757- HTM 2022 50Hz	cAIR-DGV7-3351- HTM 2022 50Hz	cAIR-DGV7-4000- HTM 2022 50Hz	cAIR-DGV7-5068- HTM 2022 50Hz	cAIR-TGV7-6703- HTM 2022 50Hz	cAIR-QGV7-10109- HTM 2022 50Hz
Design Flow (L/min) *	902	1403	1748	2757	3351	4000	5068	6703	10109
Number of Compressors	2	2	2	2	2	2	2	3	4
Type of Compressor	GA7 MED VSD+ 10 Bar	GA11 MED VSD+ 10 Bar	GA15 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA30 MED VSD+ 10 Bar	GA37 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar
Type of dryer	dMED 035 10-7	dMED 045 10-7	dMED 075 10-7	dMED 090 10-7	dMED 110 10-7	dMED 150 10-7	dMED 150 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	2000 11 Bar	3000 11 Bar
Part Number (With Vessels)	4233 6008 02	4233 6008 03	4233 6008 04	4233 6008 05	4233 6008 06	4233 6008 07	4233 6008 08	4233 6008 09	4233 6008 10
Part Number (No Vessels)	4233 6011 76	4233 6011 77	4233 6011 78	4233 6011 79	4233 6011 80	4233 6011 81	4233 6011 82	4233 6011 83	4233 6011 84

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 10 bar - 50Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-TGV	cAIR-QGV	cAIR-PGV
Model Description	cAIR-DGV10-725- HTM 2022 50Hz	cAIR-DGV10-1000- HTM 2022 50Hz	cAIR-DGV10-1496- HTM 2022 50Hz	cAIR-DGV10-2000- HTM 2022 50Hz	cAIR-DGV10-2864- HTM 2022 50Hz	cAIR-DGV10-3000- HTM 2022 50Hz	cAIR-DGV10-4000- HTM 2022 50Hz	cAIR-TGV10-5727- HTM 2022 50Hz	cAIR-QGV10-8000- HTM 2022 50Hz	cAIR-PGV10-12000- HTM 2022 50Hz
Design Flow (L/min) *	725	1000	1496	2000	2864	3000	4000	5727	8000	12000
Number of Compressors	2	2	2	2	2	2	2	3	4	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-10	dMED 035 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
Number of receivers	1	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 14 Bar	500 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar	3000 14 Bar	2000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6008 11	4233 6008 12	4233 6008 13	4233 6008 14	4233 6008 15	4233 6008 16	4233 6008 17	4233 6008 18	4233 6008 19	4233 6008 20
Part Number (No Vessels)	4233 6011 85	4233 6011 86	4233 6011 87	4233 6011 88	4233 6011 89	4233 6011 90	4233 6011 91	4233 6011 92	4233 6011 93	4233 6011 94

\* Actual plant flow is equal to Design Flow (DF)



**HTM 2022 Medical Air 4 bar 60Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-DGF	mAIR-TGF	mAIR-TGF	mAIR-TGF	mAIR-TGF
<b>Model Description</b>	mAIR-DGF4-722 HTM2022 60Hz	mAIR-DGF4-1000 HTM2022 60Hz	mAIR-DGF4-1442 HTM2022 60Hz	mAIR-DGF4-2157 HTM2022 60Hz	mAIR-DGF4-2619 HTM2022 60Hz	mAIR-DGF4-3189 HTM2022 60Hz	mAIR-DGF4-3483 HTM2022 60Hz	mAIR-TGF4-4315 HTM2022 60Hz	mAIR-TGF4-5109 HTM2022 60Hz	mAIR-TGF4-6379 HTM2022 60Hz	mAIR-TGF4-6966 HTM2022 60Hz
<b>Design Flow (L/min) *</b>	722	1000	1442	2157	2619	3189	3483	4315	5109	6378	6966
<b>Number of Compressors</b>	2	2	2	2	2	2	2	3	3	3	3
<b>Type of Compressor</b>	GA5 MED 7.5 Bar	GA7 MED 7.5 Bar	GA11 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 Bar	GA26 MED 7.5 Bar	GA15 MED 7.5 Bar	GA18 MED 7.5 Bar	GA22 MED 7.5 Bar	GA26 MED 7.5 Bar
<b>Type of dryer</b>	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4	dMED 300 7.5-4
<b>Number of receivers</b>	1	1	1	1	1	1	1	1	1	2	2
<b>Receiver volume (l) each</b>	500 11 Bar	500 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	3000 11 Bar	2000 11 Bar	2000 11 Bar
<b>Part Number (With Vessels)</b>	4233 6008 21	4233 6008 22	4233 6008 23	4233 6008 24	4233 6008 25	4233 6008 26	4233 6008 27	4233 6008 28	4233 6008 29	4233 6008 30	4233 6008 31
<b>Part Number (No Vessels)</b>	4233 6011 95	4233 6011 96	4233 6011 97	4233 6011 98	4233 6011 99	4233 6012 00	4233 6012 01	4233 6012 02	4233 6012 03	4233 6012 04	4233 6012 05

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 7 bar - 60 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-TGF	cAIR-TGF	cAIR-QGF
<b>Model Description</b>	cAIR-DGF7-575- HTM 2022 60Hz	cAIR-DGF7-854- HTM 2022 60Hz	cAIR-DGF7-1265- HTM 2022 60Hz	cAIR-DGF7-1904- HTM 2022 60Hz	cAIR-DGF7-2348- HTM 2022 60Hz	cAIR-DGF7-2757- HTM 2022 60Hz	cAIR-DGF7-3000- HTM 2022 60Hz	cAIR-TGF7-4695- HTM 2022 60Hz	cAIR-TGF7-6355- HTM 2022 60Hz	cAIR-QGF7-9685- HTM 2022 60Hz
<b>Design Flow L/min) *</b>	575	854	1265	1904	2348	2757	3000	4695	6355	9685
<b>Number of Compressors</b>	2	2	2	2	2	2	2	3	3	4
<b>Type of Compressor</b>	GA5 MED 10 Bar	GA7 MED 10 Bar	GA11 MED 10 Bar	GA15 MED 10 Bar	GA18 MED 10 Bar	GA22 MED 10 Bar	GA26 MED 10 Bar	GA18 MED 10 Bar	GA26 MED 10 Bar	GA26 MED 10 Bar
<b>Type of dryer</b>	dMED 025 10-7	dMED 035 10-7	dMED 045 10-7	dMED 075 10-7	dMED 075 10-7	dMED 090 10-7	dMED 110 10-7	dMED 150 10-7	dMED 220 10-7	dMED 300 10-7
<b>Number of receivers</b>	1	1	1	1	1	1	1	1	2	2
<b>Receiver volume (l) each</b>	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	1500 11 Bar	1500 11 Bar	3000 11 Bar	2000 11 Bar	3000 11 Bar
<b>Part Number (With Vessels)</b>	4233 6008 32	4233 6008 33	4233 6008 34	4233 6008 35	4233 6008 36	4233 6008 37	4233 6008 38	4233 6008 39	4233 6008 40	4233 6008 41
<b>Part Number (No Vessels)</b>	4233 6012 06	4233 6012 07	4233 6012 08	4233 6012 09	4233 6012 10	4233 6012 11	4233 6012 12	4233 6012 13	4233 6012 14	4233 6012 15

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 10 bar - 60 Hz  
GA MED Fixed Speed Screw Compressors, dMED dryer (Standard QDT)**

Model Name	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-DGF	cAIR-TGF	cAIR-TGF	cAIR-QGF	cAIR-HGF
<b>Model Description</b>	cAIR-DGF8-725- HTM 2022 60Hz	cAIR-DGF10-1000- HTM 2022 60Hz	cAIR-DGF10-1625- HTM 2022 60Hz	cAIR-DGF10-2000- HTM 2022 60Hz	cAIR-DGF10-2991- HTM 2022 60Hz	cAIR-TGF10-4000- HTM 2022 60Hz	cAIR-TGF10-6000- HTM 2022 60Hz	cAIR-QGF10-8000- HTM 2022 60Hz	cAIR-HGF10-12000- HTM 2022 60Hz
<b>Design Flow (L/min) *</b>	725	1000	1625	2000	2991	4000	6000	8000	12000
<b>Number of Compressors</b>	2	2	2	2	2	3	3	4	6
<b>Type of Compressor</b>	GA7 MED 13 Bar	GA11 MED 13 Bar	GA15 MED 13 Bar	GA22 MED 13 Bar	GA26 MED 13 Bar	GA18 MED 13 Bar	GA26 MED 13 Bar	GA26 MED 13 Bar	GA22 MED 13 Bar
<b>Type of dryer</b>	dMED 025 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
<b>Number of receivers</b>	1	1	1	1	1	1	1	2	2
<b>Receiver volume (l) each</b>	500 14 Bar	500 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	2000 14 Bar	3000 14 Bar	2000 14 Bar	3000 14 Bar
<b>Part Number (With Vessels)</b>	4233 6008 42	4233 6008 43	4233 6008 44	4233 6008 45	4233 6008 46	4233 6008 47	4233 6008 48	4233 6008 49	4233 6008 50
<b>Part Number (No Vessels)</b>	4233 6012 16	4233 6012 17	4233 6012 18	4233 6012 19	4233 6012 20	4233 6012 21	4233 6012 22	4233 6012 23	4233 6012 24

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Medical Air 4 bar - 60Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-DGV	mAIR-TGV
<b>Model Description</b>	mAIR-DGV4-813 HTM2022 60Hz	mAIR-DGV4-1000 HTM2022 60Hz	mAIR-DGV4-1568 HTM2022 60Hz	mAIR-DGV4-1947 HTM2022 60Hz	mAIR-DGV4-2985 HTM2022 60Hz	mAIR-DGV4-3483 HTM2022 60Hz	mAIR-DGV4-4000 HTM2022 60Hz	mAIR-DGV4-5109 HTM2022 60Hz	mAIR-TGV4-6966 HTM2022 60Hz
<b>Design Flow (L/min) *</b>	813	1000	1568	1947	2985	3483	4000	5109	6966
<b>Number of Compressors</b>	2	2	2	2	2	2	2	2	3
<b>Type of Compressor</b>	GA7 MED VSD+ 7.5 Bar	GA7 MED VSD+ 7.5 Bar	GA11 MED VSD+ 7.5 Bar	GA15 MED VSD+ 7.5 Bar	GA18 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 bar	GA30 MED VSD+ 7.5 Bar	GA37 MED VSD+ 7.5 Bar	GA22 MED VSD+ 7.5 Bar
<b>Type of dryer</b>	dMED 035 7.5-4	dMED 045 7.5-4	dMED 075 7.5-4	dMED 110 7.5-4	dMED 150 7.5-4	dMED 150 7.5-4	dMED 220 7.5-4	dMED 220 7.5-4	dMED 300 7.5-4
<b>Number of receivers</b>	1	1	1	1	1	1	1	1	2
<b>Receiver volume (l) each</b>	500 11 Bar	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	2000 11 Bar
<b>Part Number (With Vessels)</b>	4233 6008 51	4233 6008 52	4233 6008 53	4233 6008 54	4233 6008 55	4233 6008 56	4233 6008 57	4233 6008 58	4233 6008 59
<b>Part Number (No Vessels)</b>	4233 6012 25	4233 6012 26	4233 6012 27	4233 6012 28	4233 6012 29	4233 6012 30	4233 6012 31	4233 6012 32	4233 6012 33

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 7 bar - 60Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-TGV	cAIR-QGV
Model Description	cAIR-DGV7-902- HTM 2022 60Hz	cAIR-DGV7-1403- HTM 2022 60Hz	cAIR-DGV7-1748- HTM 2022 60Hz	cAIR-DGV7-2757- HTM 2022 60Hz	cAIR-DGV7-3351- HTM 2022 60Hz	cAIR-DGV7-4000- HTM 2022 60Hz	cAIR-DGV7-5068- HTM 2022 60Hz	cAIR-DTV7-6703- HTM 2022 60Hz	cAIR-QGV7-10109- HTM 2022 60Hz
Design Flow (L/min) *	902	1403	1748	2757	3351	4000	5068	6703	10109
Number of Compressors	2	2	2	2	2	2	2	3	4
Type of Compressor	GA7 MED VSD+ 10 Bar	GA11 MED VSD+ 10 Bar	GA15 MED VSD+ 10 Bar	GA18 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA30 MED VSD+ 10 Bar	GA37 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar	GA22 MED VSD+ 10 Bar
Type of dryer	dMED 035 10-7	dMED 045 10-7	dMED 075 10-7	dMED 090 10-7	dMED 110 10-7	dMED 150 10-7	dMED 150 10-7	dMED 220 10-7	dMED 300 10-7
Number of receivers	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 11 Bar	1000 11 Bar	1000 11 Bar	1500 11 Bar	2000 11 Bar	2000 11 Bar	3000 11 Bar	2000 11 Bar	3000 11 Bar
Part Number (With Vessels)	4233 6008 61	4233 6008 62	4233 6008 63	4233 6008 64	4233 6008 65	4233 6008 66	4233 6008 67	4233 6008 68	4233 6008 69
Part Number (No Vessels)	4233 6012 35	4233 6012 36	4233 6012 37	4233 6012 38	4233 6012 39	4233 6012 40	4233 6012 41	4233 6012 42	4233 6012 43

\* Actual plant flow is equal to Design Flow (DF)

**HTM 2022 Combined Air 10 bar - 60Hz**
**GA MED VSD+ Variable Speed Screw Compressors, dMED dryer (QDT+ with additional Hopcalite filter)**

Model Name	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-DGV	cAIR-TGV	cAIR-QGV	cAIR-PGV
Model Description	cAIR-DGV10-725- HTM 2022 60Hz	cAIR-DGV10-1000- HTM 2022 60Hz	cAIR-DGV10-1496- HTM 2022 60Hz	cAIR-DGV10-2000- HTM 2022 50Hz	cAIR-DGV10-2864- HTM 2022 60Hz	cAIR-DGV10-3000- HTM 2022 60Hz	cAIR-DGV10-4000- HTM 2022 60Hz	cAIR-TGV10-5727- HTM 2022 60Hz	cAIR-QGV10-8000- HTM 2022 60Hz	cAIR-PGV10-12000- HTM 2022 60Hz
Design Flow (L/min) *	725	1000	1496	2000	2864	3000	4000	5727	8000	12000
Number of Compressors	2	2	2	2	2	2	2	3	4	5
Type of Compressor	GA7 MED VSD+ 13 Bar	GA11 MED VSD+ 13 Bar	GA15 MED VSD+ 13 Bar	GA18 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar	GA37 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA22 MED VSD+ 13 Bar	GA26 MED VSD+ 13 Bar
Type of dryer	dMED 025 13-10	dMED 035 13-10	dMED 035 13-10	dMED 045 13-10	dMED 075 13-10	dMED 090 13-10	dMED 110 13-10	dMED 150 13-10	dMED 220 13-10	dMED 300 13-10
Number of receivers	1	1	1	1	1	1	1	1	2	2
Receiver volume (l) each	500 14 Bar	500 14 Bar	1000 14 Bar	1000 14 Bar	1500 14 Bar	1500 14 Bar	2000 14 Bar	3000 14 Bar	2000 14 Bar	3000 14 Bar
Part Number (With Vessels)	4233 6008 70	4233 6008 71	4233 6008 72	4233 6008 73	4233 6008 74	4233 6008 75	4233 6008 76	4233 6008 77	4233 6008 78	4233 6008 79
Part Number (No Vessels)	4233 6012 44	4233 6012 45	4233 6012 46	4233 6012 47	4233 6012 48	4233 6012 49	4233 6012 50	4233 6012 51	4233 6012 52	4233 6012 53

\* Actual plant flow is equal to Design Flow (DF)

