



## *ATHEN XL*

*Integral freezer and chiller cabinets.*



*Ecological and effective  
freezing technology.*



*Introducing the new dimension in cooling and freezing systems delivering an enlarged display area to improve your product presentation.*

*The model ATHEN XL is a modern, promotion orientated cabinet that will also provide you with increased volume. And the improved net volume for a broader product range should result in significantly higher sales.*

*At the POS, the broad product presentation will prove highly effective. And supplemented by the attractive end cabinet the ATHEN XL looks set to become one of the leading freezers available on the market.*

### Key benefits

- Higher energy-saving can be achieved in comparison to conventional open units
- Environmentally friendly with natural refrigerant propane
- 100 % CFC- and PFC-free
- Experience approximately additional 25 % energy savings through an electronic speed-controlled compressor (VS)\*
- Guaranteeing the quality of the frozen goods thanks to constant internal temperature and high power reserves
- Plug in model requiring no extra installation
- Low investment and operating costs
- Maintenance-free

\* Electronic speed-controlled compressor only available with refrigerant R290.


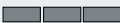




### Temperature ranges

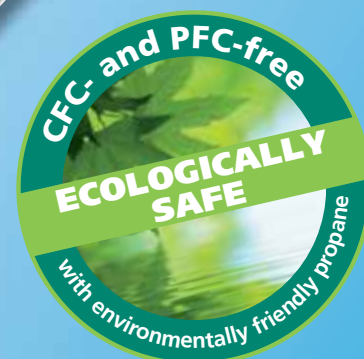
- Chilling: +3 °C to +15 °C
- Freezing: -18 °C to -23 °C
- Meat and minced meat refrigeration: 0 °C to +2 °C

**This has all been made possible through our static cooling and blown air technology. For further details, we will be glad to send you our latest brochure.**

### Highly flexible

- Can be used as a stand alone unit 
- Can be used in a line up 
- Can be used as an island 
- Maximizes the use of floor space with an end cabinet 
- Expandable with standard shelf units





### **Accessories\***

- **Dividers and base units** to maximize merchandising opportunities
- **Lighting unit** that is available in different versions
- **Impact protection bumpers** that are available in different colors
- **Covers** for setting in a row
- **Kick plates** prevent water and dust from running below the cabinets

*\* Please do not hesitate to ask us for our accessories folder.*

## Automatically ice free – permanent on duty!

### The auto-defrost process:

1.) Innerwall before the auto-defrost process begins



2.) Frost build-up is thawed during auto-defrost



3.) Frost-free inner wall after the defrosting process



At AHT Cooling Systems, we managed to successfully put this principle into practice by developing a semi-automatic defrost which works independently, on basis of the latest technologies and which nearly requires no manual effort. The hygiene of the freezer and also of the products stored within fully complies with the highest standards. As the defrosting of our static freezers is based on a sophisticatedly timed sequence of heating periods in the innertank.

Frost build-up due to ambient humidity is successfully melted away at regular intervals - and this avoids any excessive frost build-up. Furthermore, during the thawing process, the temperature of the goods will always remain below  $-15\text{ }^{\circ}\text{C}$ , hence fully complying with legal requirements. The use of a special divider system will prevent any adverse effects on the temperature of your goods and melted ice water collects in a duct that surrounds the inner case and is evaporated away outside of the storage area.

### The perfect solution – built in semi-automatic defrost!

Regular defrosting...



...with goods kept at a constant temperature



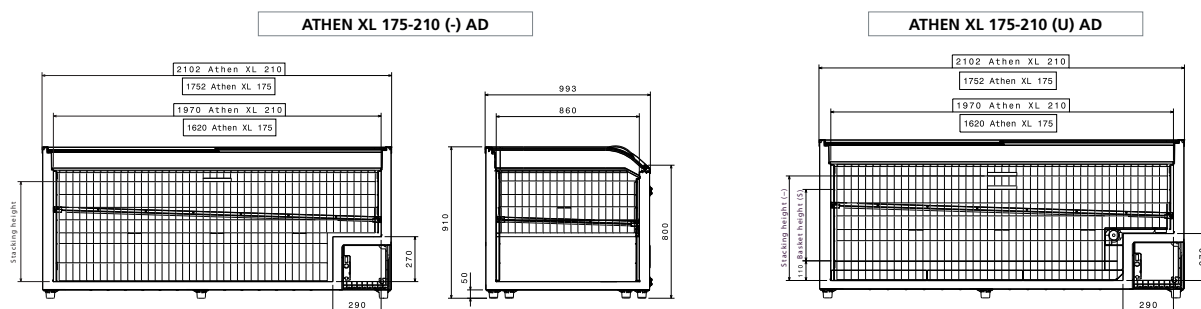
| Technical Data                       |                | ATHEN XL 175<br>(-) AD VS | ATHEN XL 175<br>(U)* AD VS<br>+S/- | ATHEN XL 207<br>(-) AD VS | ATHEN XL 207<br>(U)* AD VS<br>+S/- | ATHEN XL 210<br>(-) AD VS | ATHEN XL 210<br>(U)* AD VS<br>+S/- |
|--------------------------------------|----------------|---------------------------|------------------------------------|---------------------------|------------------------------------|---------------------------|------------------------------------|
| Gross content                        | litre          | 956                       | 956                                | 1158                      | 1158                               | 1177                      | 1177                               |
| Net content according to EN 23953    | litre          | 710                       | 680/452/655                        | 866                       | 847/561/810                        | 881                       | 862/571/825                        |
| Total display area (TDA)             | m <sup>2</sup> | 1,44                      | 1,44                               | 1,79                      | 1,79                               | 1,75                      | 1,75                               |
| Classification according to EN 23953 |                | 3L1                       | 3S/3S/3L1                          | 3L1                       | 3S/3S/3L1                          | 3L1                       | 3S/3S/3L1                          |
| Ambient temperature range            | °C             | +16 to +25                | +16 to +25                         | +16 to +25                | +16 to +25                         | +16 to +25                | +16 to +25                         |
| Inner temperature range              | °C             | -18 to -23                | +3 to +15/<br>0 to +2/-18 to -23   | -18 to -23                | +3 to +15/<br>0 to +2/-18 to -23   | -18 to -23                | +3 to +15/<br>0 to +2/-18 to -23   |
| Sound pressure in 1 m distance       | dB(A)          | 44                        | 44                                 | 44                        | 44                                 | 44                        | 44                                 |

| Electrical Data               |          |            |             |            |             |            |             |
|-------------------------------|----------|------------|-------------|------------|-------------|------------|-------------|
| Nominal voltage/frequency     | V/Hz     | 220-240/50 | 220-240/50  | 220-240/50 | 220-240/50  | 220-240/50 | 220-240/50  |
| Nominal power consumption     | W        | 400        | 400/400/400 | 470        | 470/470/470 | 450        | 450/450/450 |
| Nominal current               | A        | 1,8        | 1,8/1,8/1,8 | 2,2        | 2,3/2,3/2,3 | 2,0        | 2,0/2,0/2,0 |
| Fuse protection               | A        | 16         | 16          | 16         | 16          | 16         | 16          |
| Protection class              |          | IP 21      | IP 21       | IP 21      | IP 21       | IP 21      | IP 21       |
| Energy consumption (at 25 °C) | kWh/24 h | 8,5        | 4,0/4,2/8,5 | 9,9        | 4,4/4,7/9,9 | 8,7        | 4,2/4,4/8,7 |
| Length of power supply cord   | mm       | 1750       | 1750        | 1750       | 1750        | 1750       | 1750        |

| Refrigeration Data      |     |      |      |      |      |      |      |
|-------------------------|-----|------|------|------|------|------|------|
| Refrigerant type        |     | R290 | R290 | R290 | R290 | R290 | R290 |
| Refrigerant charge      | g   | 100  | 100  | 110  | 110  | 110  | 110  |
| Max. operating pressure | bar | 30   | 30   | 30   | 30   | 30   | 30   |

| Dimensions   |    |           |             |           |             |           |             |
|--|----|-----------|-------------|-----------|-------------|-----------|-------------|
| Length outside/inside  | mm | 1752/1620 | 1752/1620   | 2080/1945 | 2080/1945   | 2102/1970 | 2102/1970   |
| Depth outside/inside   | mm | 993/860   | 993/860     | 996/860   | 996/860     | 993/860   | 993/860     |
| Front access height/height outside                                       | mm | 800/910   | 800/910     | 800/910   | 800/910     | 800/910   | 800/910     |
| Height inside front/rear   | mm | 684/785   | 684/785     | 684/785   | 684/785     | 684/785   | 684/785     |
| Stacking height  | mm | 600       | 620/420/600 | 600       | 620/420/600 | 600       | 620/420/600 |
| Net weight (excl. packaging, incl. process-related internal accessories) | kg | 125       | 134         | 138       | 147         | 141       | 152         |
| Gross weight (incl. packaging and process-related internal accessories)  | kg | 136       | 145         | 149       | 158         | 152       | 163         |

\* Universal cabinet: The cabinet covers all three temperature ranges of refrigeration +3 °C to +15 °C/meat and minced meat refrigeration 0 °C to +2 °C/freezing -18 °C to -23 °C.

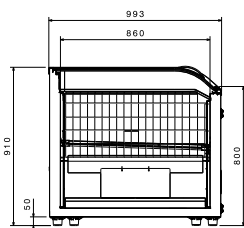


Subject to technical modifications and typographical errors. Version: 02/2008

ISO 9001, ISO 14001

| ATHEN XL 175<br>(-) AD | ATHEN XL 175<br>(U)* AD<br>+S/-  | ATHEN XL 207<br>(-) | ATHEN XL 207<br>(-) AD | ATHEN XL 207<br>(U)* AD<br>+S/-  | ATHEN XL 210<br>(-) | ATHEN XL 210<br>(-) AD | ATHEN XL 210<br>(U)* AD<br>+S/-  |
|------------------------|----------------------------------|---------------------|------------------------|----------------------------------|---------------------|------------------------|----------------------------------|
| 956                    | 956                              | 1158                | 1158                   | 1158                             | 1177                | 1177                   | 1177                             |
| 710                    | 680/452/655                      | 934                 | 866                    | 841/561/810                      | 949                 | 881                    | 856/571/825                      |
| 1,44                   | 1,44                             | 1,79                | 1,79                   | 1,79                             | 1,75                | 1,75                   | 1,75                             |
| 3L1                    | 3S/3S/3L1                        | 3L1                 | 3L1                    | 3S/3S/3L1                        | 3L1                 | 3L1                    | 3S/3S/3L1                        |
| +16 to +25             | +16 to +25                       | +16 to +25          | +16 to +25             | +16 to +25                       | +16 to +25          | +16 to +25             | +16 to +25                       |
| -18 to -23             | +3 to +15/<br>0 to +2/-18 to -23 | -18 to -23          | -18 to -23             | +3 to +15/<br>0 to +2/-18 to -23 | -18 to -23          | -18 to -23             | +3 to +15/<br>0 to +2/-18 to -23 |
| 44                     | 44                               | 44                  | 44                     | 44                               | 44                  | 44                     | 44                               |
| 220-240/50             | 220-240/50                       | 220-240/50          | 220-240/50             | 220-240/50                       | 220-240/50          | 220-240/50             | 220-240/50                       |
| 490                    | 645/645/490                      | 530                 | 530                    | 660/660/530                      | 510                 | 510                    | 645/645/510                      |
| 3,4                    | 4,2/4,2/3,4                      | 3,7                 | 3,7                    | 4,4/4,4/3,7                      | 3,5                 | 3,5                    | 4,2/4,2/3,5                      |
| 16                     | 16                               | 16                  | 16                     | 16                               | 16                  | 16                     | 16                               |
| IP 21                  | IP 21                            | IP 21               | IP 21                  | IP 21                            | IP 21               | IP 21                  | IP 21                            |
| 9,7                    | 2,7/4,5/9,7                      | 12,5                | 13,5                   | 3,5/6,3/13,5                     | 10,5                | 11,5                   | 3,0/5,3/11,5                     |
| 1750                   | 1750                             | 1750                | 1750                   | 1750                             | 1750                | 1750                   | 1750                             |
| R404A                  | R404A                            | R404A               | R404A                  | R404A                            | R404A               | R404A                  | R404A                            |
| 260                    | 260                              | 300                 | 300                    | 300                              | 300                 | 300                    | 300                              |
| 30                     | 30                               | 30                  | 30                     | 30                               | 30                  | 30                     | 30                               |
| 1752/1620              | 1752/1620                        | 2080/1945           | 2080/1945              | 2080/1945                        | 2102/1970           | 2102/1970              | 2102/1970                        |
| 993/860                | 993/860                          | 996/860             | 996/860                | 996/860                          | 993/860             | 993/860                | 993/860                          |
| 800/910                | 800/910                          | 800/910             | 800/910                | 800/910                          | 800/910             | 800/910                | 800/910                          |
| 684/785                | 684/785                          | 684/785             | 684/785                | 684/785                          | 684/785             | 684/785                | 684/785                          |
| 600                    | 620/420/600                      | 600                 | 600                    | 620/420/600                      | 600                 | 600                    | 620/420/600                      |
| 125                    | 134                              | 129                 | 138                    | 147                              | 132                 | 141                    | 152                              |
| 136                    | 145                              | 140                 | 149                    | 158                              | 143                 | 152                    | 163                              |

ATHEN XL 175-210 (U) AD



End cabinet ATHEN XL 207 (U) AD

