

ENGINEERING  
TOMORROW

*Danfoss*

XV Compressors - R600a

# 100mm high compressor **raises the bar for flexible cooling efficiency**

Secop's for Danfoss new XV compressors combine an very compact design with a very high COP while using natural refrigerant R600a. A cool combination for refrigerators.

**5-20L  
more  
storage volume  
in refrigerators**



## XV compressors

– tailored for light commercial refrigerators with R600a

Revolutionary X-Series compressor range is fundamentally new and relies on new compressor technology that Secop has developed in-house.

The new platform not only offers the highest system efficiency, but is also with its dimensions challenging the standards for compressor size in the future.

The innovative design from a production point of view is a pioneer which has all-welded parts that are assembled by the latest robotic automated systems, ensuring a trendsetting quality level.



### XV features

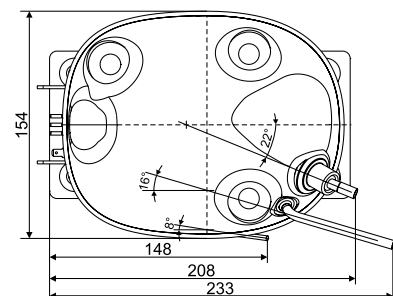
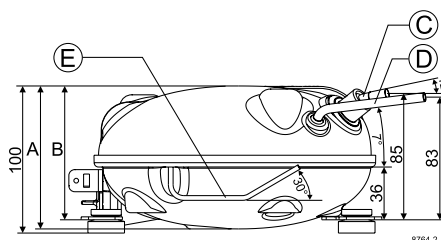
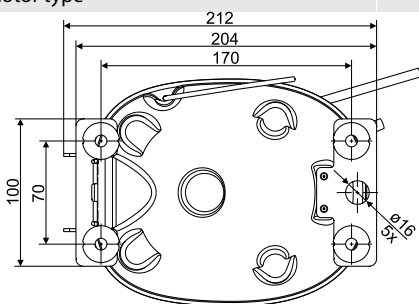
- eXtremely small
- eXtremely light
- eXtremely efficient
- eXtremely flexible

### Your benefits

- Additional storage volume for refrigerators
- Less weight, easier handling, lower transport costs
- Lower running costs
- Adaptable capacity for various applications

## Technical data

General (code numbers)		XV5.0KX	XV7.2KX	XV8.0KX		
Compressor		108H5012	108H7210	108H7710		
Electronic unit (attached) - XV-AEO/Freq. Inputs: Thermostat, frequency signal, Modbus		105N5020	105N5020	105N5020		
Electronic unit (detached) - XV-Frequency Input: Frequency signal		105N5050	105N5050	105N5050		
Approvals		EN 60335-2-34 with Annex AA (VDE), GB 4706.17 (CCC/CQC)				
Application						
Application and evaporating temperature		LBP -35 to 0 (-5/-10)°C				
Voltage / Frequency		V/Hz 160 - 264 / 50/60	160 - 264 / 50/60	160 - 264 / 50/60		
Speed range		rpm	1000 - 4000			
Performance data (ASHRAE • 220 V, 50/60 Hz • static cooling) @ 1600   4000 rpm						
Evaporating temperature		°C	-23.3	-23.3	-23.3	
Cooling capacity		W	40   98	68   158	73   166	
Power consumption		W	22   59	36   93	37   93	
COP		W/W	1.83   1.65	1.89   1.69	1.98   1.79	
Performance data (EN 12900 Household/CECOMAF • 220 V, 50/60 Hz • static cooling) @ 1600   4000 rpm						
Evaporating temperature		°C	-25	-25	-25	
Cooling capacity		W	29   72	51   118	54   123	
Power consumption		W	21   56	34   89	35   87	
COP		W/W	1.41   1.28	1.50   1.33	1.57   1.41	
Dimensions and technical characteristics						
Height		mm	A	97	97	97
			B	91	91	91
Weight				4.8	4.8	4.8
Displacement				5.0	7.2	7.7
Motor type				Permanent magnet		



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