



## Systemair SYSAQUA90.H.1P-SP.WPS.AVM

[Більш детальна інформація в нашому онлайн-каталозі](#)

Артикул: 372047  
Виробник: Frisco  
Код товару: SYSAQUA90.H.1P-SP.WPS.AVM

від 0 грн.

### Опис

SysAquaL/SysAquaH 25 to 125 have been designed and optimized to operate with R410A refrigerant fluid. They are of single refrigerant circuit type.

They are available in cooling only (SysAquaL) and heat pump (SysAquaH) versions.

Each version consists of 11 sizes (25, 30, 35, 40, 45, 55, 65, 75, 90, 105 & 125) and covers a nominal cooling capacity range from 25.0 to 122 kW and a nominal heating capacity range from 26.9 to 120 kW.

All units are equipped with two scroll compressors fitted in tandem for adapting to partial system loads.

The general operation status of the machine is continuously under the control of an IHM controller.

The SysAquaL and SysAquaH units can operate without water tank, thanks to the IHM controller that implements an auto-adaptive control logic ensuring a total protection of the compressors at different load or water volume conditions. The minimum water volume requested in cooling mode is 3.5 litres per kW for application air conditioning and 10 litres per kW for application process.

In heating mode, 12.5 litres per kW are recommended in order to guarantee homogeneous temperatures during the defrosting cycles (comfort and energysavings). A fan speed controller can be also supplied as factory-fitted option to authorize the unit to operate in cooling mode at low ambient temperature.

SysAquaL and SysAquaH units can be supplied in several versions:

- STD (Standard) version : Includes a low noise (LS) acoustical performance.
- XLN (Extra low noise) version : Obtained by the installation of acoustic box around compressors.
- HPF version : Increases the static pressure.

### Cabinet and structure

The cabinet and structure of the unit are of heavy duty galvanized steel. All galvanized steel components are individually painted by a special painting process before the assembly of the unit. This painting system performs a homogeneous protection to the corrosion. The painting is a polyester powder based type, coloured in RAL 7040.

The units SysAquaL/SysAquaH are suitable for outdoor installation, directly on the building roof or at the ground level.

### Compressors

Each unit is equipped with two scroll compressors fitted on a rail and assembled together to form tandem compressors.

The compressors are then mounted on rubber pads in order to eliminate noise and vibration transmissions. The compressor motor have a direct startup. Each motor is cooled by the refrigerant gas and is equipped with an overload protection.

A phase sequence monitor is supplied as standard.

### Evaporator

The evaporator is consisting of a stainless steel plate heat exchanger insulated with closed cell synthetic foam. It is protected by an antifreeze electric heater to ensure a good protection against freezing at low ambient temperature (-10 °C min.) when the unit is switched off.

Maximum working pressure is 10 bar at water side and 45 at refrigerant side.

### Документація

- [certificationDiploma20170307132511.428.pdf \(1,78 MB\)](#)
- [certificationDiploma20170307132511.428.pdf \(1,78 MB\)](#)
- [certificationDiploma20170307132511.428.pdf \(1,78 MB\)](#)
- [certificationDiploma20170307132511.428.pdf \(1,78 MB\)](#)
- [DC112 SYSAQUA.pdf \(207,68 KB\)](#)
- [DC112 SYSAQUA.pdf \(207,68 KB\)](#)
- [DC112 SYSAQUA.pdf \(207,68 KB\)](#)
- [DC112 SYSAQUA.pdf \(207,68 KB\)](#)
- [EDM SYSAQUA 20-125 \(EDM AQA1-S-13GB\) \(25,33 MB\)](#)
- [EDM SYSAQUA 20-125 \(EDM AQA1-S-13GB\) \(25,33 MB\)](#)
- [EDM SYSAQUA 20-125 \(EDM AQA1-S-13GB\) \(25,33 MB\)](#)
- [EDM SYSAQUA 20-125 \(EDM AQA1-S-13GB\) \(25,33 MB\)](#)
- [ELM AQA 01-S-3GB.PDF \(609,87 KB\)](#)
- [ELM AQA 01-S-3GB.PDF \(609,87 KB\)](#)
- [ELM AQA 01-S-3GB.PDF \(609,87 KB\)](#)
- [ELM AQA 01-S-3GB.PDF \(609,87 KB\)](#)
- [IOM SYSAQUA 45-125 \(IOM AQA 05-N-3GB\) \(25,76 MB\)](#)
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### Аналоги

- [Systemair IV 50-4/8 \(B\)](#)
- [Systemair BF-W 150A Window fan](#)

### Характеристики

Електричне нагрівання	
Підвищення температури, повна потужність, максимальна витрата повітря, °C	3N~
Номинальні параметри	
Макс. розсіювана потужність, Вт	79,5
Споживаний струм, А	50
Частота, Hz	400
Параметри звуку	
Рівень звукового тиску на 4 м (вільне поле), дБ(А)	51
Продуктивність	
Коефіцієнт EER, W/W	91,4
Місткість конденсатора, µF	2,61
Рівень звукового тиску з відривом 1 м, зовнішній блок, дБ(А)	2,66
Розміри та вага	
Витрата повітря, м³/год	920
Тепловий насос	
Витрата палива, кг/год	88,1

- [Systemair BF VTR 200 F7/ePM2.5 70% Sup\\*](#)
- [Systemair SYSCROLL 240 Air RE](#)
- [Systemair SYSAQUA45 H.1P-SP.WPS.AVM](#)
- [Systemair AW 300E4 sileo Axial fan](#)
- [Systemair WQH 524 BLN](#)
- [Systemair E-Bacnet2-V converter](#)
- [Systemair DVSI 499DV sileo\\*\\*](#)
- [Systemair SYSAQUA75 H.1P-SP.WPS.AVM.T](#)
- [Systemair PRF 180DV](#)
- [Systemair BF VR300 EC G3/Coarse50% Ext](#)
- [Systemair BF VM 400 filter F7](#)
- [Systemair SYSAQUA35 H.1P-SP.WPS.AVM.T](#)
- [Systemair SYSCREW 1220 WATER EVO HP](#)
- [Systemair PF VTR 150 M5/ePM10 50% Ext](#)
- [Systemair DVEX 355D4 Roof fan \(EX-RU\)](#)
- [Systemair SysFreeCool 24](#)
- [Systemair MUB/T-S 025 315EC Poti-20](#)
- [Systemair WQH 190 BLN](#)
- [Systemair SysFreeCool 33](#)
- [Systemair K 315 L Sileo\\*\\*](#)
- [Systemair V.I.C 804](#)
- [Systemair SYSCROLL 240 Air CO](#)
- [Systemair KVO 125 Circular duct fan](#)
- [Systemair SYSAQUA140 H.1P-SP.WPS.AVM.T](#)
- [Systemair DVSI 500DV](#)
- [Systemair BFRO 3800/SR09 F5 Filter x2](#)
- [Systemair SYSCREW 630 WATER EVO HP](#)
- [Systemair SYSCREW 1130 WATER EVO HP](#)
- [Systemair SYSCREW 1280 WATER EVO RC](#)
- [Systemair PF VTC 300 F7/ePM1 60% Sup](#)
- [Systemair WQH 1104 BLN](#)
- [Systemair BF 120T Bathroom fan \(Timer\)](#)
- [Systemair RS 40-20 L sileo](#)
- [Systemair SYSCREW 630 WATER EVO RC](#)
- [Systemair MTRS 40-27 3-ways valve](#)
- [Systemair KVO 160 Circular duct fan](#)
- [Systemair MUB/F 042 400D4-6 HT](#)
- [Systemair KBR/F 355DV smoke extr. F400](#)
- [Systemair WQH 150 BLN](#)
- [Systemair SYSCROLL 170 Air EVO CO](#)
- [Systemair PRF 180D2 IE2](#)
- [Systemair SYSCREW 700 WATER EVO HP](#)
- [Systemair BF VTR 200 G3/Coarse 50% Sup\\*](#)
- [Systemair K-FST1 Frost thermostat](#)
- [Systemair RVK-EX 315D4 \(EX-RU\)](#)
- [Systemair SYSCROLL 85 Air HP](#)
- [Systemair SYSCROLL 20 Air EVO HP](#)
- [Systemair SYSAQUA125 H.1P-SP.WPS.AVM](#)
- [Systemair WQH 604 BLN](#)
- [Systemair X-DVG-H 800D6-XS/F400 IE2](#)
- [Systemair DVC 315-P \(1 Ph/230V\)](#)
- [Systemair WQH 30 BLN](#)
- [Systemair SYSCROLL 95 Air HP](#)
- [Systemair WQH 904 BLN](#)
- [Systemair CIR20521 230B 14 ofirpibaay](#)
- [Systemair PRF 200D2 IE2](#)
- [Systemair SYSCROLL 170 Air EVO RE](#)
- [Systemair MUB 042 500D4 IE2 Multibox](#)
- [Systemair SysFreeCool 22](#)
- [Systemair SYSCROLL 95 Air RE](#)
- [Systemair AW 250E4 sileo Axial fan](#)
- [Systemair SYSCREW 860 WATER EVO HP](#)
- [Systemair JF 150 Inlinefan](#)
- [Systemair CIR22031 400B 14 ofirpibaay](#)
- [Systemair SYSCROLL 670 Air EVO CO](#)
- [Systemair SYSCROLL 530 Air EVO HP](#)
- [Systemair SYSCROLL 600 Air EVO CO](#)
- [Systemair MUB-CAV/AV 062 560EC-20](#)
- [Systemair SYSCREW 440 WATER EVO RC](#)
- [Systemair SYSCROLL 540 Air RE](#)
- [Systemair SYSCROLL 140 Air EVO HP](#)
- [Systemair DVS 499DV\\*\\*](#)
- [Systemair AQVH 115](#)
- [Systemair BF-W 100A Window fan](#)
- [Systemair DVV-EX 560D4-XM Roof fan](#)
- [Systemair KBR/F 280DV smoke extr. F400](#)
- [Systemair SYSCREW 850 Air CO](#)
- [Systemair BF VTR 150 F7/ePM1 60% Sup](#)
- [Systemair F251-16-50 Cookerhood transf](#)
- [Systemair PSS48 Transformer 24V](#)
- [Systemair WQH 704 BLN](#)
- [Systemair SYSCROLL 120 Air HP](#)
- [Systemair MUB/T 042 400DV-20](#)
- [Systemair AQVI 125](#)

- [Systemair AQVC 105](#)
- [Systemair T 120 Timer](#)
- [Systemair SYSCROLL 270 Air CO](#)
- [Systemair BF 150TH Bathroom fan](#)
- [Systemair MUB/T 062 560EC-20](#)
- [Systemair SYSCROLL 200 Air EVO CO](#)
- [Systemair SYSCROLL 170 Air EVO HP](#)
- [Systemair AJR 315-2/4 \(B\)-TR](#)
- [Systemair MSEX 0.25-0.4 PKZM motor prot.](#)
- [Systemair Reheater VTC 700 L](#)
- [Systemair TFK Temperature sensor](#)
- [Systemair SYSAQUA140.H.1P-SP.WPS.AVM](#)
- [Systemair SysFreeCool 23](#)
- [Systemair PRF-EX 125D2 Ex d](#)
- [Systemair MUB/T 025 355DV-20](#)
- [Systemair X-MUB/T 042 450E4-20](#)
- [Systemair SYSCROLL 900 Air EVO CO](#)
- [Systemair VLC 604](#)
- [Systemair SYSCREW 490 WATER EVO CO](#)
- [Systemair BF VSR 300 G3/Coarse 60% Sup](#)
- [Systemair PF VM2 F7/ePM1 60%](#)
- [Systemair EFD 50-30 Damper cl.3 + TF24](#)
- [Systemair MUB 062 630D6 IE2 Multibox](#)
- [Systemair SYSCROLL 530 Air EVO CO](#)
- [Systemair AQVC 85](#)
- [Systemair BFRO 2400/SR07 F5 Filter x2](#)
- [Systemair VLH 904](#)
- [Systemair SYSAQUA150.H.1P-SP.WPS.AVM.T](#)
- [Systemair SYSCROLL 320 Air CO](#)
- [Systemair SYSCREW 1070 WATER EVO CO](#)
- [Systemair SYSAQUA190.H.1P-SP.WPS.AVM.T](#)
- [Systemair AQVC 125](#)
- [Systemair BF VSR 500 G3/Coarse 60% Sup](#)
- [Systemair SYSCROLL 120 Air CO](#)
- [Systemair BF VSR 300 F7/ePM10.80% Sup](#)
- [Systemair SYSCROLL 135 Air CO](#)
- [Systemair KVO 125 EC Circular duct fan](#)
- [Systemair BFRO 4800/SR11 F5 Filter x2](#)
- [Systemair SYSCREW 490 WATER EVO HP](#)
- [Systemair SYSCREW 990 WATER EVO RC](#)
- [Systemair DVG-H 315D4-XL/F400](#)
- [Systemair SYSAQUA45.H.1P-SP.WPS.AVM.T](#)
- [Systemair SYSCREW 700 WATER EVO RC](#)
- [Systemair DVN 355DV](#)
- [Systemair SYSCROLL 540 Air CO](#)
- [Systemair BFRO 3800/SR09 G3 Filter x2](#)
- [Systemair AQVH 85](#)
- [Systemair SYSCREW 1550 WATER EVO RC](#)
- [Systemair SmartDial](#)
- [Systemair PRF-EX 160D4 Ex d](#)
- [Systemair MUB 042 500E4 sileo Multibo-20](#)
- [Systemair MUB 042 500EC Multibox-20](#)
- [Systemair SYSAQUA190.H.1P-SP.WPS.AVM](#)
- [Systemair SYSCROLL 120 Air RE](#)
- [Systemair SYSCROLL 140 Air EVO RE](#)
- [Systemair DHS 190EZ sileo roof fan](#)
- [Systemair WQH 20 BLN](#)
- [Systemair Topvex SC04 HW-L-CAV](#)
- [Systemair SysFreeCool 14](#)
- [Systemair BF VX 400 EV/B filter F7](#)
- [Systemair KBR/F 315DV smoke extr. F400](#)
- [Systemair AR 315E4 sileo Axial fan](#)
- [Systemair DVNI 560D6 IE2](#)
- [Systemair KVKE 200 EC Circular duct fan](#)
- [Systemair TFC 450 S Sileo Black](#)
- [Systemair SYSCROLL 280 Air EVO RE](#)
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- [Systemair SYSCROLL 300 Air EVO HP](#)
- [Systemair SYSCROLL 470 Air CO](#)
- [Systemair KBT 225D4 Thermo fan IE2](#)
- [Systemair SYSCROLL 95 Air CO](#)
- [Systemair PF VM1 F7/ePM1 60%](#)
- [Systemair SYSCREW 860 WATER EVO RC](#)
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- [Systemair PF VTC 200 G4/Coarse 65% S/F](#)
- [Systemair AQVL 115](#)
- [Systemair SYSCROLL 450 Air EVO CO](#)

- [Systemair MSEX 0.4-0.63 PKZM motor prot.](#)
- [Systemair SYSAQUA210.H.1P-SP.WPS.AVM](#)
- [Systemair SYSCROLL.320.Air.BE](#)
- [Systemair RVK 200E2-L.sileo.1ph/230V](#)
- [Systemair SYSCROLL.200.Air.EVO.BE](#)
- [Systemair X-MUB.062.560D4.IE2.Multibox](#)
- [Systemair WQH.120.BLN](#)
- [Systemair S2S.160.Two speed switch.AW/HW](#)
- [Systemair SYSCROLL.300.Air.EVO.CO](#)
- [Systemair MUB.062.630DV.sileo.Multibo-20](#)
- [Systemair SYSCROLL.270.Air.HP](#)
- [Systemair SYSCREW.1070.Air.CO](#)
- [Systemair SYSCROLL.30.Air.EVO.HP](#)
- [Systemair SYSCREW.570.WATER.EVO.CO](#)
- [Systemair SYSCREW.720.Air.CO](#)
- [Systemair SYSAQUA105.H.1P-SP.WPS.AVM](#)
- [Systemair BF.120TH.Bathroom.fan](#)
- [Systemair VLC.704](#)
- [Systemair Control panel S-ED-TOUCH](#)
- [Systemair DVG-H.800D6-XL/F400.IE2](#)
- [Systemair AOVL.105](#)
- [Systemair PF.VTC.200.F7/ePM1.60%.Sup](#)
- [Systemair SYSCROLL.260.Air.EVO.CO](#)
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- [Systemair X-DVG-V.450D4-8/F400](#)
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- [Systemair WOH.50.BLN](#)
- [Systemair SYSCROLL.280.Air.EVO.HP](#)
- [Systemair KD.355E-EC](#)
- [Systemair EFD.70-30.Damper.cl.3 + TF24](#)
- [Systemair SYSCROLL.420.Air.CO](#)
- [Systemair MUB.062.630EC.Multibox-20](#)
- [Systemair BFT.SC08.Filter.ePM1.60%](#)
- [Systemair BETA.14000.ePM1.60%.Filter.set](#)
- [Systemair BF.VTR.500.G3/Coarse.60%.Sup](#)
- [Systemair TLP.315/6.0.Air.handl.units](#)
- [Systemair RS485.Gateway.Wireless](#)
- [Systemair KVKE.250.M.Circular.duct.fan](#)
- [Systemair SYSCROLL.490.Air.EVO.HP](#)
- [Systemair X-MUB/T-S.062.500EC-20](#)
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- [Systemair BF.VR400.E.F7/ePM10.80%.Sup](#)
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- [Systemair KVK.500.\(3Ph/400V\)](#)
- [Systemair SYSCREW.1130.WATER.EVO.CO](#)
- [Systemair MUB.042.400DV.sileo.Multibo-20](#)
- [Systemair MUB/T.042.450EC-20](#)
- [Systemair PF.VTC.300.G4/Coarse.65%.S/E](#)
- [Systemair SysFreeCool.43](#)
- [Systemair SYSCREW.1070.WATER.EVO.HP](#)
- [Systemair DVG-H.560D6/F400.IE2](#)
- [Systemair BF.150T.Bathroom.fan.\(Timer\)](#)
- [Systemair SYSCREW.990.WATER.EVO.HP](#)
- [Systemair KVO.100.EC.Circular.duct.fan](#)
- [Systemair WQH.1004.BLN](#)
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- [Systemair SYSCROLL.360.Air.BE](#)
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- [Systemair DVN.630D6.IE2](#)
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- [Systemair AW.350DV.sileo.Axial.fan](#)
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- [Systemair KVO.100.Circular.duct.fan](#)
- [Systemair SysFreeCool.34](#)
- [Systemair DVNI.400E4](#)
- [Systemair SYSCREW.1280.WATER.EVO.CO](#)
- [Systemair CBF.1001.TH.Bathroom.fan](#)
- [Systemair STDT.16E.Motor.Protection](#)
- [Systemair BFT.SC03/04.F5.317x500x300/5](#)

- [Systemair SYSCREW 770 WATER EVO RC](#)
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- [Systemair AOVL 95](#)
- [Systemair EFD 100-35 Damper cl.3 + 1F24](#)
- [Systemair AQVH 125](#)
- [Systemair DVG-H 630D6-XS/F400 IE2](#)
- [Systemair DVG-H 500D4-XL/F400 IE2](#)
- [Systemair BF VSR 300 PH kit](#)
- [Systemair SR160.H.SYS.G4+F7.EC LPE.S1.R1](#)
- [Systemair DVG-V 500D6-XL/F400 IE2](#)
- [Systemair X-MUB/T 062 500D4 IE3-20](#)
- [Systemair BF VTR 300 PH kit](#)
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- [Systemair X-DVG-H 400D4-6-XL/F400](#)
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- [Systemair prio silent 150E2 duct fan](#)
- [Systemair prio silent 200E2 duct fan](#)
- [Systemair SR55.H.SYS.G4+F7.EC LPE.S1.R1D](#)
- [Systemair DVG-H 630D4-XM/F400](#)
- [Systemair SR210.H.SYS.G4+F7.EC LPE.S1.R1](#)
- [Systemair SR105.H.SYS.G4+F7.EC LPE.S1.R1](#)
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- [Systemair DVG-V 630D6-XL/F400 IE2](#)
- [Systemair SR120.H.SYS.G4+F7.EC HPE.S1.R1](#)
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- [Systemair prio silent 315EC duct fan](#)
- [Systemair SR95.H.SYS.G4+F7.EC LPE.S1.R1D](#)
- [Systemair DVG-V 630D6-XS/F400 IE2](#)
- [Systemair SR65.H.SYS.G4+F7.EC HPE.S1.R1D](#)
- [Systemair DVG-H 630D6-XL/F400 IE2](#)
- [Systemair MUB 100 710D6 IE3 Multibox-20](#)
- [Systemair SR190.H.SYS.G4+F7.EC LPE.S1.R1](#)
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- [Systemair prio silent 160EC duct fan](#)
- [Systemair SR80.H.SYS.G4+F7.EC LPE.S1.R1D](#)
- [Systemair GIR15 Захисна пемірка](#)
- [Systemair GIR30 Захисна пемірка](#)