SOLFLEX

Acoustic solutions

Acoustic enclosures

for heat pump and air conditioning systems

CATALOG

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Annotation

All list prices are available on www.solflex.eu.

All previous price lists lose their validity. Our current terms and conditions apply (available on www.solflex.eu). Printing errors or changes are reserved.

For questions on product selection, please contact your Solflex Area Manager.

SOLFLEX GMBH

Acoustic enclosures

Solflex GmbH is developer of high-quality sound insulation solutions and distribute these directly to air-conditioning and refrigeration installation companies, as well as to manufacturers and their subsidiaries of air conditioning systems, heat pumps or condensing units, **throughout Europe.**

Of course, we are also available to assist engineering offices, consultants, architects as well as private and commercial building owners and plant operators.

Solflex acoustic housings have been developed by us to reduce the sound emissions of refrigeration, air-conditioning and heat pump units, without limiting functionality, to negligible soundlevels for neighbors and residents.

In addition to the comprehensible and effective sound emission reduction, the acoustic hoods also offer protection against weathering and mechanical damage.

Solflex acoustic enclosures have the highest quality standards, are manufactured at European production sites, are tested to the highest quality and certified by independent testing institutes.

Every single product leaves our house after a strict quality control.

MEASUREMENT METHOD

according to DIN EN ISO 3744

The sound insulation performance of our acoustic enclosures was measured by an **independent laboratory**, according to **DIN EN ISO 3744**.

Measurement method

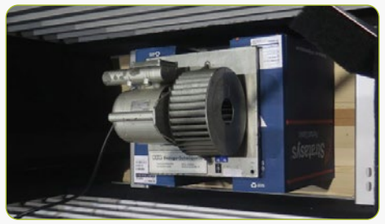
- **Sound power measurement (MP1)**
  of the calibrated reference sound source over a spherical envelope with 12 microphones.
  Acoustic data:
  Class 2 according to DIN EN ISO 3744, as third octave spectrum and octave spectrum.

- **Sound power measurement (MP2)**
  of the Solflex acoustic enclosure with reference sound source inside the acoustic housing over a spherical envelope with 12 microphones.
  Acoustic data:
  Class 2 according to DIN EN ISO 3744, as third octave spectrum and octave spectrum.

MP1 – MP2 = sound level reduction by acoustic housing

Annotation

The measurement tolerance **of +/- 1.5 dB(A)** or tolerance **range of 3 dB(A)** according to **DIN EN ISO 3744** was not taken in consideration and we publish only the minimum sound level reduction values.



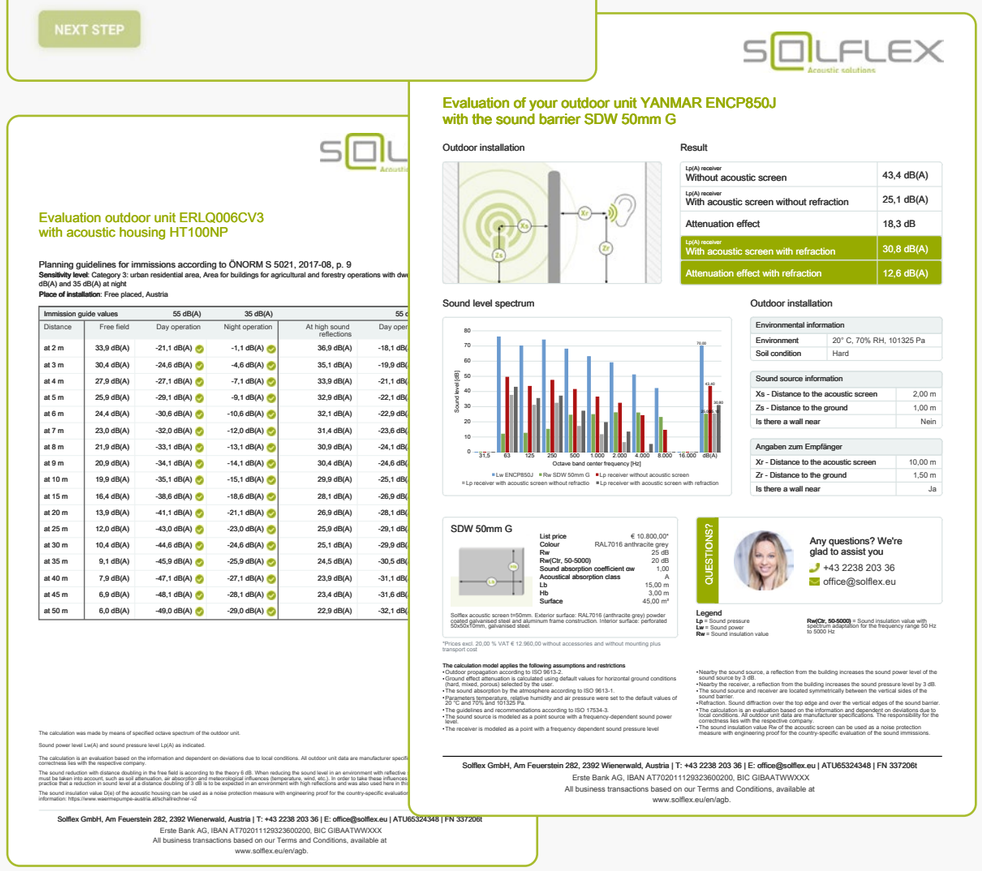
CONFIGURATOR

Acoustic housing & screens

Solflex configurator
www.solflex.eu

Use the Solflex configurator to find the right sound insulation solution for your heat pump or air conditioning!

Create a complete sound insulation assessment of your device.

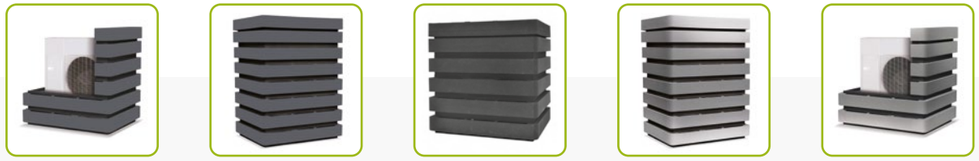


ACOUSTIC HOUSING
horizontal air discharge

HD 6 dB(A)

Acoustic enclosure **up to 6 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.



- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation HD acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	2,0	1,0	1,0	4,0	5,0	7,0	10,0	10,0	11,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.

Pressure drop HD acoustic cabin**

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.

m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
HD100 (Pa)	5	5	6	7	7	10	12	15	18
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
HD200 (Pa)	7	7	8	9	11	12	13	15	16

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HD100NP	RAL7021 black grey	1155 x 1385 x 1100	40	1020 x 1050 x 460
HDY100NP		1400 x 1385 x 1100	43	1260 x 1050 x 460
HD200NP		1880 x 1385 x 1100	48	1740 x 1050 x 460
HDS100NP	RAL9006 white aluminium, RAL7021 black grey	1155 x 1385 x 1100	40	1020 x 1050 x 460
HDSY100NP		1400 x 1385 x 1100	43	1260 x 1050 x 460
HDS200NP		1880 x 1385 x 1100	48	1740 x 1050 x 460

Easy installation

Detailed installation manual available on www.solflex.eu

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

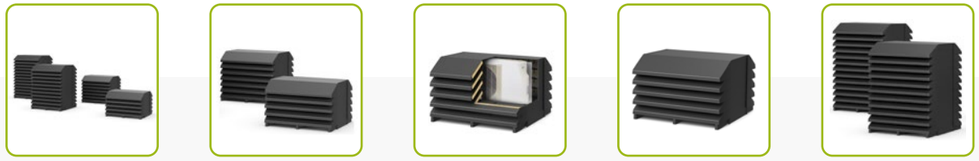
* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

HW 7 dB(A)

Acoustic enclosure **up to 7 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.



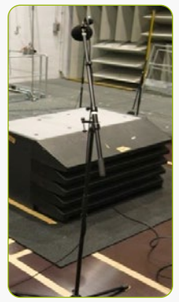
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism

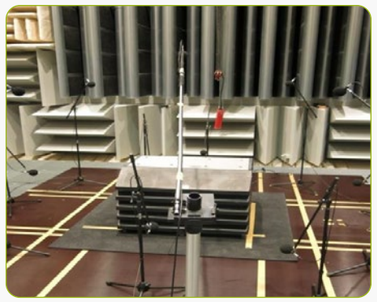
Sound insulation HW acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	2,0	0,0	1,0	7,0	10,0	13,0	17,0	14,0	16,0

MP1 – MP2 = sound level reduction by acoustic housing*

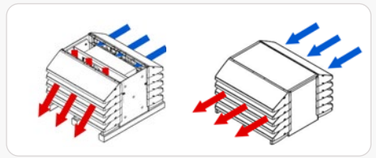
The difference between the two measurements is the sound level reduction of the acoustic housing.





Pressure drop HW acoustic cabin**

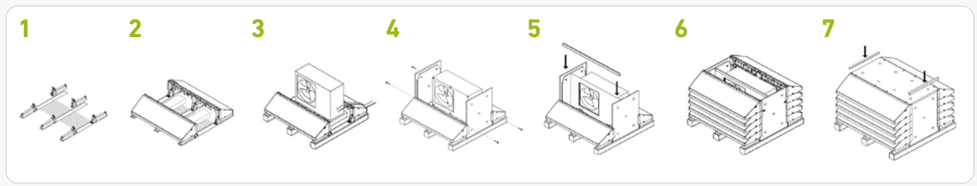
Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
HWY100 (Pa)	5	5	6	7	7	10	12	15	18
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
HW200 (Pa)	7	7	8	9	11	12	13	15	16

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HW100NP	Black plastic	758 x 1165 x 1200	50	655 x 1060 x 490
HWY100NP		1002 x 1165 x 1200	70	900 x 1060 x 490
HW200NP		1489 x 1165 x 1200	90	1390 x 1060 x 490
HWY200NP		1733 x 1165 x 1200	110	1650 x 1060 x 490

Easy installation



Detailed installation manual available on www.solflex.eu

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

HT 10 dB(A)

Acoustic enclosure **up to 10 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.

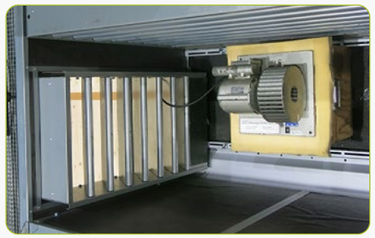
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

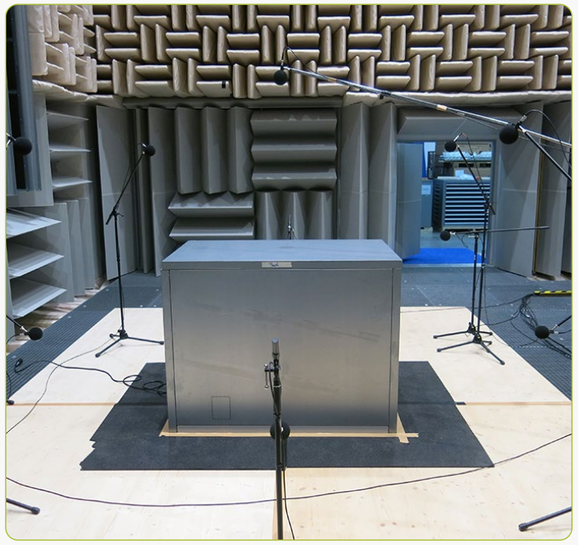
Sound insulation HC acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	2,0	1,0	5,0	7,0	11,0	14,0	16,0	15,0	15,0

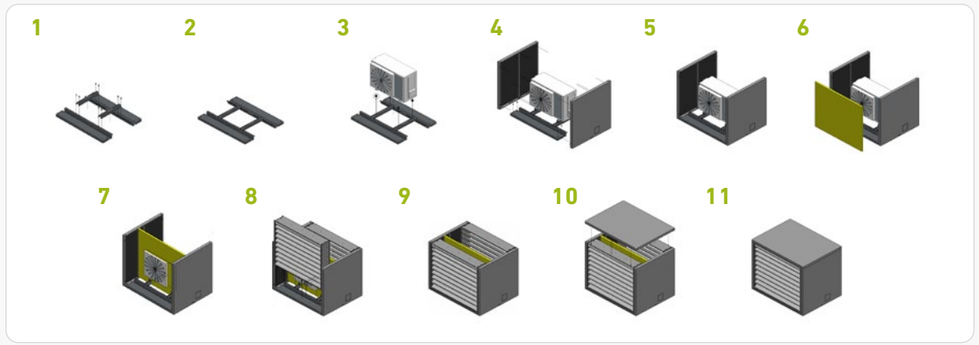
MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.



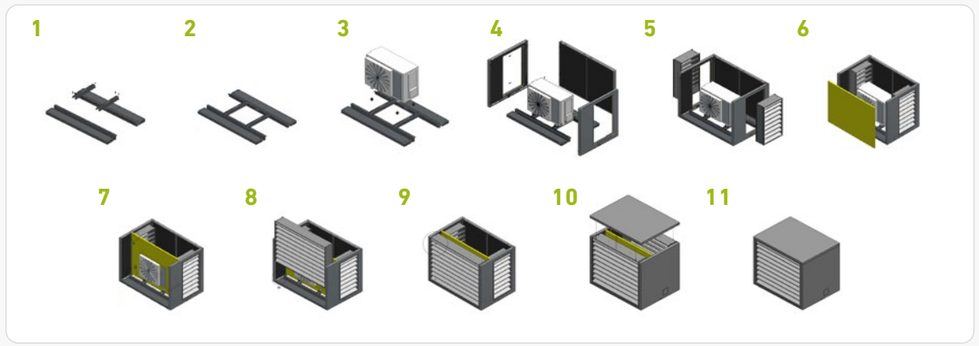


Easy installation HT100NP



Detailed installation manual available on www.solflex.eu

Easy installation HT100NPSA



Detailed installation manual available on www.solflex.eu

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

HT 10 dB(A)

Pressure drop HT acoustic cabin

Lowest pressure drop over the special acoustic grid
with the same airflow direction of the installed outdoor unit.

ΔPt (Pa)	7	16	28
V (m/s)	1	1,5	2
HT100NP	4800 m³/h	7100 m³/h	9500 m³/h
HTX100NP	5900 m³/h	8900 m³/h	11800 m³/h
HTY100NP	5600 m³/h	8400 m³/h	11200 m³/h
HTXY100NP	7000 m³/h	10500 m³/h	14000 m³/h
HT200NP	7100 m³/h	10600 m³/h	14200 m³/h
HTX200NP	8900 m³/h	13300 m³/h	17700 m³/h
HTY200NP	8000 m³/h	11900 m³/h	15900 m³/h
HTXY200NP	9900 m³/h	14900 m³/h	19800 m³/h
HT100NPVI	5500 m³/h	8200 m³/h	10900 m³/h
HTX100NPVI	6700 m³/h	10000 m³/h	13300 m³/h
HTY100NPVI	6500 m³/h	9700 m³/h	13000 m³/h
HTXY100NPVI	7900 m³/h	11800 m³/h	15700 m³/h
HT200NPVI	8500 m³/h	12800 m³/h	17000 m³/h
HTX200NPVI	10300 m³/h	15500 m³/h	20600 m³/h
HTY200NPVI	9500 m³/h	14300 m³/h	19000 m³/h
HTXY200NPVI	11600 m³/h	17300 m³/h	23100 m³/h
HT100NPSA	5900 m³/h	8900 m³/h	11800 m³/h
HTX100NPSA	7100 m³/h	10600 m³/h	14100 m³/h
HTY100NPSA	7000 m³/h	10500 m³/h	14000 m³/h
HTXY100NPSA	8400 m³/h	12600 m³/h	16700 m³/h
HT200NPSA	8900 m³/h	13300 m³/h	17700 m³/h
HTX200NPSA	10600 m³/h	15900 m³/h	21200 m³/h
HTY200NPSA	9900 m³/h	14900 m³/h	19800 m³/h
HTXY200NPSA	11900 m³/h	17800 m³/h	23800 m³/h
HT100NPSAVI	6700 m³/h	10000 m³/h	13300 m³/h
HTX100NPSAVI	7800 m³/h	11700 m³/h	15600 m³/h
HTY100NPSAVI	7900 m³/h	11800 m³/h	15700 m³/h
HTXY100NPSAVI	9300 m³/h	13900 m³/h	18500 m³/h
HT200NPSAVI	10300 m³/h	15500 m³/h	20600 m³/h
HTX200NPSAVI	12100 m³/h	18200 m³/h	24200 m³/h
HTY200NPSAVI	11600 m³/h	17300 m³/h	23100 m³/h
HTXY200NPSAVI	13600 m³/h	20400 m³/h	27100 m³/h

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HT100NP	Magnelis	1080 x 1210 x 910	140	1010 x 1100 x 450
HTX100NP		1080 x 1510 x 910	170	1010 x 1400 x 450
HTY100NP		1280 x 1210 x 910	160	1210 x 1100 x 450
HTXY100NP		1280 x 1510 x 910	180	1210 x 1400 x 450
HT200NP		1620 x 1210 x 910	200	1550 x 1100 x 450
HTX200NP		1620 x 1510 x 910	230	1550 x 1400 x 450
HTY200NP		1820 x 1210 x 910	220	1750 x 1100 x 450
HTXY200NP		1820 x 1510 x 910	250	1750 x 1400 x 450
HT100NPVI		1080 x 1400 x 1150	170	1010 x 1250 x 700
HTX100NPVI		1080 x 1700 x 1150	200	1010 x 1550 x 700
HTY100NPVI		1280 x 1400 x 1150	200	1210 x 1250 x 700
HTXY100NPVI		1280 x 1700 x 1150	230	1210 x 1550 x 700
HT200NPVI		1680 x 1400 x 1150	230	1610 x 1250 x 700
HTX200NPVI		1680 x 1700 x 1150	260	1610 x 1550 x 700
HTY200NPVI		1880 x 1400 x 1150	250	1810 x 1250 x 700
HTXY200NPVI		1880 x 1700 x 1150	280	1810 x 1550 x 700
Principle: lateral intake, front exhaust				
HT100NPSA	Magnelis	1080 x 1510 x 910	140	1010 x 1100 x 450
HTX100NPSA		1080 x 1810 x 910	170	1010 x 1400 x 450
HTY100NPSA		1280 x 1510 x 910	160	1210 x 1100 x 450
HTXY100NPSA		1280 x 1810 x 910	180	1210 x 1400 x 450
HT200NPSA		1620 x 1510 x 910	200	1550 x 1100 x 450
HTX200NPSA		1620 x 1810 x 910	30	1550 x 1400 x 450
HTY200NPSA		1820 x 1510 x 910	220	1750 x 1100 x 450
HTXY200NPSA		1820 x 1810 x 910	250	1750 x 1400 x 450
HT100NPSAVI		1080 x 1700 x 1150	170	1010 x 1250 x 700
HTX100NPSAVI		1080 x 2000 x 1150	200	1010 x 1550 x 700
HTY100NPSAVI		1280 x 1700 x 1150	200	1210 x 1250 x 700
HTXY100NPSAVI		1280 x 2000 x 1150	230	1210 x 1550 x 700
HT200NPSAVI		1680 x 1700 x 1150	230	1610 x 1250 x 700
HTX200NPSAVI		1680 x 2000 x 1150	260	1610 x 1550 x 700
HTY200NPSAVI		1880 x 1700 x 1150	250	1810 x 1250 x 700
HTXY200NPSAVI		1880 x 1700 x 1150	280	1810 x 1550 x 700

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

HC 10 dB(A)

Acoustic enclosure **up to 10 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.

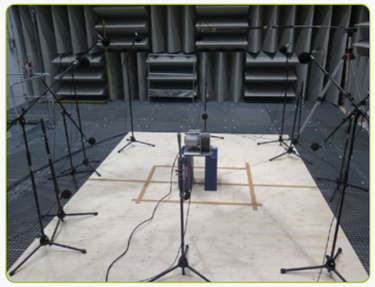
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

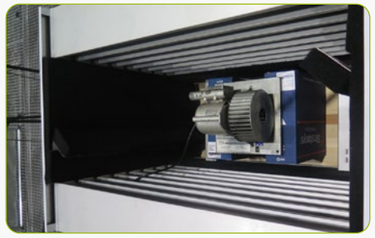
Sound insulation HC acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	0,0	2,0	3,8	6,5	12,3	15,1	14,5	13,5	13,4

MP1 – MP2 = sound level reduction by acoustic housing*

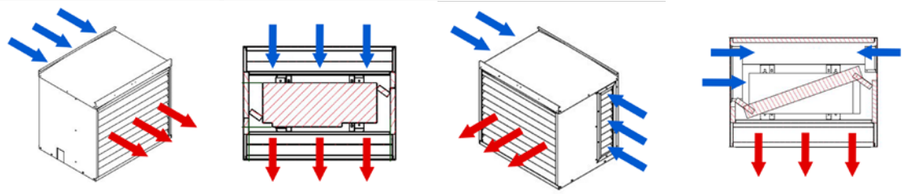
The difference between the two measurements is the sound level reduction of the acoustic housing.





Pressure drop HC acoustic cabin

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
HC100 (Pa)	5	5	6	7	7	10	12	15	18
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
HC200 (Pa)	7	7	8	9	11	12	13	15	16

Easy installation

Detailed installation manual available on www.solflex.eu

Suitable for wall mounting!

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

HC 10 dB(A)

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: lateral intake, front exhaust				
HC100NP	Magnelis	1080 x 1210 x 910	130	1010 x 1100 x 450
HCX100NP		1080 x 1510 x 910	150	1010 x 1400 x 450
HCY100NP		1280 x 1210 x 910	150	1210 x 1100 x 450
HCXY100NP		1280 x 1510 x 910	170	1210 x 1400 x 450
HC200NP		1620 x 1210 x 910	190	1550 x 1100 x 450
HCX200NP		1620 x 1510 x 910	210	1550 x 1400 x 450
HCY200NP		1820 x 1210 x 910	210	1750 x 1100 x 450
HCXY200NP		1820 x 1510 x 910	230	1750 x 1400 x 450
HC100NPVI		1080 x 1400 x 1150	160	1010 x 1250 x 700
HCX100NPVI		1080 x 1700 x 1150	180	1010 x 1550 x 700
HCY100NPVI		1280 x 1400 x 1150	190	1210 x 1250 x 700
HCXY100NPVI		1280 x 1700 x 1150	210	1210 x 1550 x 700
HC200NPVI		1680 x 1400 x 1150	220	1610 x 1250 x 700
HCX200NPVI		1680 x 1700 x 1150	240	1610 x 1550 x 700
HCY200NPVI		1880 x 1400 x 1150	240	1810 x 1250 x 700
HCXY200NPVI		1880 x 1700 x 1150	260	1810 x 1550 x 700

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HC100NPSA	Magnelis	1080 x 1210 x 910	130	1010 x 1000 x 450
HCX100NPSA		1080 x 1510 x 910	150	1010 x 1300 x 450
HCY100NPSA		1280 x 1210 x 910	150	1210 x 1000 x 450
HCXY100NPSA		1280 x 1510 x 910	170	1210 x 1300 x 450
HC200NPSA		1620 x 1210 x 910	190	1550 x 1000 x 450
HCX200NPSA		1620 x 1510 x 910	210	1550 x 1300 x 450
HCY200NPSA		1820 x 1210 x 910	210	1750 x 1000 x 450
HCXY200NPSA		1820 x 1510 x 910	230	1750 x 1300 x 450
HC100NPSAVI		1080 x 1400 x 1150	160	1010 x 1150 x 700
HCX100NPSAVI		1080 x 1700 x 1150	180	1010 x 1450 x 700
HCY100NPSAVI		1280 x 1400 x 1150	190	1210 x 1150 x 700
HCXY100NPSAVI		1280 x 1700 x 1150	210	1210 x 1450 x 700
HC200NPSAVI		1680 x 1400 x 1150	220	1610 x 1150 x 700
HCX200NPSAVI		1680 x 1700 x 1150	240	1610 x 1450 x 700
HCY200NPSAVI		1880 x 1400 x 1150	240	1810 x 1150 x 700
HCXY200NPSAVI		1880 x 1400 x 1150	260	1810 x 1450 x 700

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

HM 13 dB(A)

Acoustic enclosure **up to 13 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.




- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism

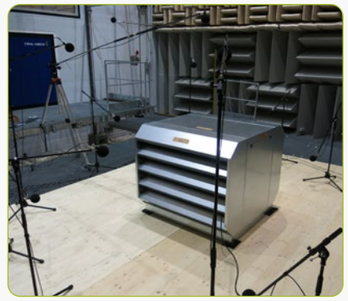
MP1 – MP2 = sound level reduction by acoustic housing*

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	1,0	1,0	5,0	14,0	18,0	14,0	15,0	16,0	18,0

MP1 – MP2 = sound level reduction by acoustic housing*

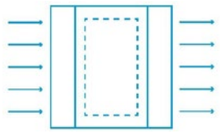
The difference between the two measurements is the sound level reduction of the acoustic housing.





Pressure drop HM acoustic cabin**

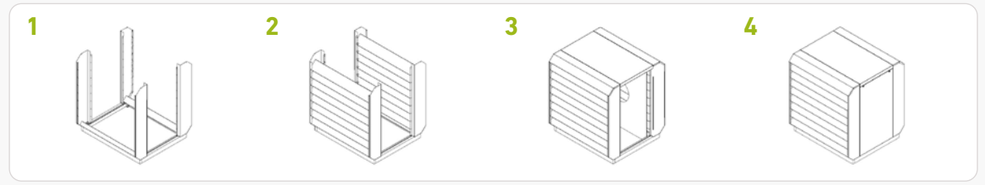
Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
HM100 (Pa)	5	5	6	7	7	10	12	15	18
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
HM200 (Pa)	7	7	8	9	11	12	13	15	16

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HM100NP	Galvanized steel	1060 x 1200 x 1250	123	990 x 1060 x 650
HM200NP		1420 x 1200 x 1250	159	1350 x 1060 x 650
HM200NP-L		1420 x 1400 x 1400	185	1350 x 1260 x 800
HM200NP-XL		1420 x 1600 x 1500	209	1350 x 1460 x 900
HMY200NP		1740 x 1200 x 1250	195	1670 x 1060 x 650
HMY200NP-L		1740 x 1400 x 1400	227	1670 x 1260 x 800
HMY200NP-XL		1740 x 1600 x 1500	255	1670 x 1460 x 900

Easy installation



Detailed installation manual available on www.solflex.euv


* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

HCS 14 dB(A)

Acoustic enclosure **up to 14 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.

- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation HCS acoustic housing

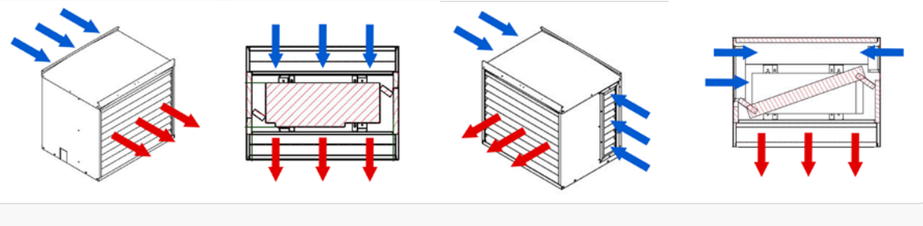
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	3,0	1,0	6,0	10,0	15,0	15,0	20,0	16,0	21,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.

Pressure drop HCS acoustic cabin

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
HCS100 (Pa)	5	5	6	7	7	10	12	15	18
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
HCS200 (Pa)	7	7	8	9	11	12	13	15	16

Easy installation

Detailed installation manual available on www.solflex.eu

Suitable for wall mounting!

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

HCS 14 dB(A)

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HCS100NP	Magnelis	1080 x 1210 x 910	140	1010 x 1100 x 450
HCSX100NP		1080 x 1510 x 910	170	1010 x 1400 x 450
HCSY100NP		1280 x 1210 x 910	160	1210 x 1100 x 450
HCSXY100NP		1280 x 1510 x 910	180	1210 x 1400 x 450
HCS200NP		1620 x 1210 x 910	200	1550 x 1100 x 450
HCSX200NP		1620 x 1510 x 910	230	1550 x 1400 x 450
HCSY200NP		1820 x 1210 x 910	220	1750 x 1100 x 450
HCSXY200NP		1820 x 1510 x 910	250	1750 x 1400 x 450
HCS100NPVI		1080 x 1400 x 1150	170	1010 x 1250 x 700
HCSX100NPVI		1080 x 1700 x 1150	200	1010 x 1550 x 700
HCSY100NPVI		1280 x 1400 x 1150	200	1210 x 1250 x 700
HCSXY100NPVI		1280 x 1700 x 1150	230	1210 x 1550 x 700
HCS200NPVI		1680 x 1400 x 1150	230	1610 x 1250 x 700
HCSX200NPVI		1680 x 1700 x 1150	260	1610 x 1550 x 700
HCSY200NPVI		1880 x 1400 x 1150	250	1810 x 1250 x 700
HCSXY200NPVI		1880 x 1700 x 1150	280	1810 x 1550 x 700

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]
Principle: rear intake, front exhaust				
HCS100NPSA	Magnelis	1080 x 1210 x 910	140	1010 x 1000 x 450
HCSX100NPSA		1080 x 1510 x 910	170	1010 x 1300 x 450
HCSY100NPSA		1280 x 1210 x 910	160	1210 x 1000 x 450
HCSXY100NPSA		1280 x 1510 x 910	180	1210 x 1300 x 450
HCS200NPSA		1620 x 1210 x 910	200	1550 x 1000 x 450
HCSX200NPSA		1620 x 1510 x 910	230	1550 x 1300 x 450
HCSY200NPSA		1820 x 1210 x 910	220	1750 x 1000 x 450
HCSXY200NPSA		1820 x 1510 x 910	250	1750 x 1300 x 450
HCS100NPSAVI		1080 x 1400 x 1150	170	1010 x 1150 x 700
HCSX100NPSAVI		1080 x 1700 x 1150	200	1010 x 1450 x 700
HCSY100NPSAVI		1280 x 1400 x 1150	200	1210 x 1150 x 700
HCSXY100NPSAVI		1280 x 1700 x 1150	230	1210 x 1450 x 700
HCS200NPSAVI		1680 x 1400 x 1150	230	1610 x 1150 x 700
HCSX200NPSAVI		1680 x 1700 x 1150	260	1610 x 1450 x 700
HCSY200NPSAVI		1880 x 1400 x 1150	250	1810 x 1150 x 700
HCSXY200NPSAVI		1880 x 1700 x 1150	280	1810 x 1450 x 700

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

SHC 18 dB(A)

Acoustic enclosure **up to 18 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.

- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation SHC acoustic housing

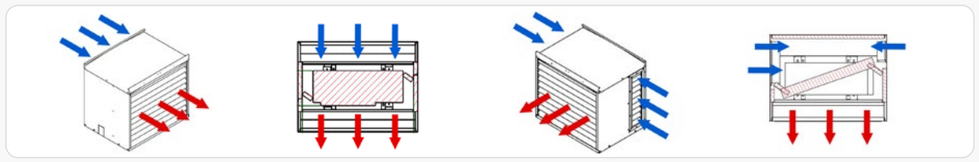
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	2,5	4,9	7,7	14,5	17,7	23,1	22,7	21,6	23,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.

Pressure drop H acoustic cabin

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor unit.



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
SHC100 (Pa)	5	6	7	10	13	16	21	26	32
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
SHC200 (Pa)	9	11	12	13	15	17	19	22	24

Easy installation Assembled in the factory.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H * W * D (mm)
Principle: rear intake, front exhaust				
SHC100NA	Magnelis	1165 x 1320 x 1110	280	980 x 1100 x 450
SHCX100NA		1165 x 1620 x 1110	320	980 x 1400 x 450
SHCY100NA		1500 x 1320 x 1110	320	1315 x 1100 x 450
SHCXY100NA		1500 x 1620 x 1110	360	1315 x 1400 x 450
SHC200NA		1830 x 1320 x 1110	360	1650 x 1100 x 450
SHCX200NA		1830 x 1620 x 1110	400	1650 x 1400 x 450
SHCY200NA		2030 x 1320 x 1110	400	1850 x 1100 x 450
SHCXY200NA		2030 x 1620 x 1110	440	1850 x 1400 x 450
SHC100NAVI		1165 x 1320 x 1360	340	980 x 1100 x 700
SHCX100NAVI		1165 x 1620 x 1360	380	980 x 1400 x 700
SHCY100NAVI		1500 x 1320 x 1360	380	1315 x 1100 x 700
SHCXY100NAVI		1500 x 1620 x 1360	420	1315 x 1400 x 700
SHC200NAVI		1830 x 1320 x 1360	420	1650 x 1100 x 700
SHCX200NAVI		1830 x 1620 x 1360	460	1650 x 1400 x 700
SHCY200NAVI		2030 x 1320 x 1360	460	1850 x 1100 x 700
SHCXY200NAVI		2030 x 1620 x 1360	500	1850 x 1400 x 700
Principle: lateral intake, front exhaust				
SHC100NASA	Magnelis	1165 x 1760 x 1110	300	980 x 1100 x 450
SHCX100NASA		1165 x 2060 x 1110	340	980 x 1400 x 450
SHCY100NASA		1500 x 1760 x 1110	360	1315 x 1100 x 450
SHCXY100NASA		1500 x 2060 x 1110	400	1315 x 1400 x 450
SHC200NASA		1830 x 1760 x 1110	420	1650 x 1100 x 450
SHCX200NASA		1830 x 2060 x 1110	460	1650 x 1400 x 450
SHCY200NASA		2030 x 1760 x 1110	440	1850 x 1100 x 450
SHCXY200NASA		2030 x 2060 x 1110	480	1850 x 1400 x 450
SHC100NASAVI		1165 x 1760 x 1360	340	980 x 1100 x 700
SHCX100NASAVI		1165 x 2060 x 1360	380	980 x 1400 x 700
SHCY100NASAVI		1500 x 1760 x 1360	400	1315 x 1100 x 700
SHCXY100NASAVI		1500 x 2060 x 1360	440	1315 x 1400 x 700
SHC200NASAVI		1830 x 1760 x 1360	460	1650 x 1100 x 700
SHCX200NASAVI		1830 x 2060 x 1360	500	1650 x 1400 x 700
SHCY200NASAVI		2030 x 1760 x 1360	520	1850 x 1100 x 700
SHCXY200NASAVI		2030 x 2060 x 1360	560	1850 x 1400 x 700

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

H 18 dB(A)

Acoustic enclosure **up to 18 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Outdoor unit is not visible anymore for neighbours!

- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation H acoustic housing

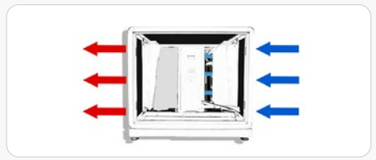
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	3,0	2,0	11,0	17,0	20,0	22,0	24,0	22,0	23,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.

Pressure drop H acoustic cabin**

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor



m³/h	1500	2000	2500	3000	3500	4000	4500	5000	5500
H100 (Pa)	5	6	7	10	13	16	21	26	32
m³/h	5500	6000	6500	7000	7500	8000	8500	9000	9500
H200 (Pa)	9	11	12	13	15	17	19	22	24

Accessories, options and current product information can be found on our website www.solflex.eu.

Easy installation Assembled in the factory.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equipment
Principle: rear intake, front exhaust					
HS100NA	H---NA **V** = Galvanized steel and aluminum frame construction	1000 x 1350 x 1240	230	850 x 1200 x 500	1
H100NA		1220 x 1350 x 1240	250	950 x 1200 x 500	1
H200NA		1825 x 1350 x 1240	400	1550 x 1200 x 500	1
H110NA	H---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	1220 x 2550 x 1240	500	950 x 1200 x 500	2
H220NA		1825 x 2550 x 1240	800	1550 x 1200 x 500	2
H111NA		1220 x 3750 x 1240	700	950 x 1200 x 500	3
H222NA		1825 x 3750 x 1240	1200	1550 x 1200 x 500	3
HX100NA	H---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	1390 x 1900 x 1340	400	1050 x 1700 x 600	1
HX200NA		2065 x 1900 x 1340	550	1750 x 1700 x 600	1
HX110NA		1390 x 3600 x 1340	800	1050 x 1700 x 600	2
HX220NA		2065 x 3600 x 1340	1100	1750 x 1700 x 600	2
HX111NA	H---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	1390 x 5300 x 1340	1200	1050 x 1700 x 600	3
HX222NA		2065 x 5300 x 1340	1650	1750 x 1700 x 600	3
HY100NA	H---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	1480 x 1450 x 1340	375	1200 x 1250 x 600	1
HY200NA		2025 x 1450 x 1340	500	1750 x 1250 x 600	1
HY110NA		1480 x 2750 x 1340	750	1200 x 1250 x 600	2
HY220NA		2025 x 2750 x 1340	1000	1750 x 1250 x 600	2
HY111NA		1480 x 4050 x 1340	1125	1200 x 1250 x 600	3
HY222NA		2025 x 4050 x 1340	1500	1750 x 1250 x 600	3

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
horizontal air discharge

XH 20 dB(A)

Acoustic enclosure **up to 20 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Outdoor unit is not visible anymore for neighbours!

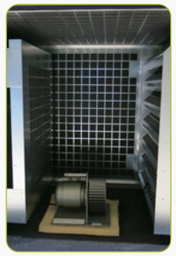
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation XH acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	4,0	4,0	12,0	18,0	21,0	24,0	26,0	24,0	24,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.



Accessories, options and current product information can be found on our website www.solflex.eu.





Easy installation Assembled in the factory.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equip-ment
Principle: rear intake, front exhaust					
XHS100NA	XH---NA **V** = Galvanized steel and aluminum frame construction	1008 x 1350 x 1640	280	850 x 1200 x 500	1
XH100NA		1220 x 1350 x 1640	300	950 x 1200 x 500	1
XH200NA		1825 x 1350 x 1640	480	1550 x 1200 x 500	1
XH110NA	XH---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	1220 x 2550 x 1640	600	950 x 1200 x 500	2
XH220NA		1825 x 2550 x 1640	960	1550 x 1200 x 500	2
XH111NA		1220 x 3750 x 1640	850	950 x 1200 x 500	3
XH222NA		1825 x 3750 x 1640	1440	1550 x 1200 x 500	3
XHX100NA	XH---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	1390 x 1900 x 1740	450	1050 x 1700 x 600	1
XHX200NA		2065 x 1900 x 1740	630	1750 x 1700 x 600	1
XHX110NA		1390 x 3600 x 1740	900	1050 x 1700 x 600	2
XHX220NA		2065 x 3600 x 1740	1260	1750 x 1700 x 600	2
XHX111NA	XH---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	1390 x 5300 x 1740	1300	1050 x 1700 x 600	3
XHX222NA		2065 x 5300 x 1740	1890	1750 x 1700 x 600	3
XHY100NA	XH---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	1480 x 1450 x 1740	425	1200 x 1250 x 600	1
XHY200NA		2025 x 1450 x 1740	580	1750 x 1250 x 600	1
XHY110NA		1480 x 2750 x 1740	850	1200 x 1250 x 600	2
XHY220NA		2025 x 2750 x 1740	1160	1750 x 1250 x 600	2
XHY111NA		1480 x 4050 x 1740	1275	1200 x 1250 x 600	3
XHY222NA		2025 x 4050 x 1740	1740	1750 x 1250 x 600	3

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
vertical air discharge

V 19 dB(A)

Acoustic enclosure **up to 19 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

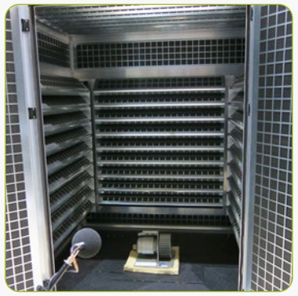
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

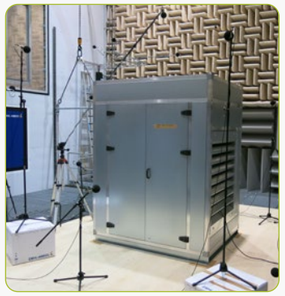
Sound insulation V acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	3,0	4,0	11,0	16,0	23,0	23,0	23,0	20,0	23,0

MP1 – MP2 = sound level reduction by acoustic housing*

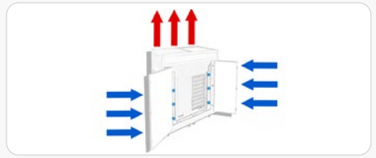
The difference between the two measurements is the sound level reduction of the acoustic housing.





Pressure drop V acoustic cabin**

Lowest pressure drop over the special acoustic grid with the same airflow direction of the installed outdoor



m³/h	9500	10000	10500	11000	11500	12000	12500	13000	13500
V100 (Pa)	15	18	20	22	23	25	28	30	32
m³/h	13500	14000	14500	15000	15500	16000	16500	17000	17500
V200 (Pa)	15	18	20	21	22	24	26	28	30

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

Accessories, options and current product information can be found on our website www.solflex.eu.

Easy installation Assembled in the factory.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equipment
Principle: Rear and lateral suction, vertical air discharge on top					
V100NA	V---NA **V** = Galvanized steel and aluminum frame construction	2400 x 1860 x 1450	650	1700 x 1000 x 850	1
V200NA		2400 x 2260 x 1450	800	1700 x 1400 x 850	1
V110NA		2400 x 3060 x 1450	1100	1700 x 1000 x 850	2
V210NA		2400 x 5460 x 1450	1200	[1700 x 1400 x 850] + [1700 x 1000 x 850]	2
V220NA		2400 x 3860 x 1450	1300	1700 x 1400 x 850	2
V111NA	V---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	2400 x 4260 x 1450	1500	1700 x 1000 x 850	3
V211NA		2400 x 4660 x 1450	1600	[1700 x 1400 x 850] + 2 x (1700 x 1000 x 850]	3
V221NA		2400 x 5060 x 1450	1650	2 x [1700 x 1400 x 850] + [1700 x 1000 x 850]	3
V222NA		2400 x 5460 x 1450	1700	1700 x 1400 x 850	3
VX100NA	V---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	2600 x 2160 x 1650	700	1900 x 1300 x 1050	1
VX200NA		2600 x 2610 x 1650	850	1900 x 1750 x 1050	1
VX110NA		2600 x 3660 x 1650	1250	1900 x 1300 x 1050	2
VX210NA		2600 x 4100 x 1650	1350	[1900 x 1750 x 1050] + [1900 x 1300 x 1050]	2
VX220NA		2600 x 4560 x 1650	1450	1900 x 1750 x 1050	2
VX111NA		2600 x 5160 x 1650	1550	1900 x 1300 x 1050	3
VX211NA		2600 x 5600 x 1650	1650	[1900 x 1750 x 1050] + 2 x [1900 x 1750 x 1050]	3
VX221NA		2600 x 6060 x 1650	1720	2 x [1900 x 1750 x 1050] + [1900 x 1300 x 1050]	3
VX222NA		2600 x 6560 x 1650	1820	1900 x 1750 x 1050	3
VY100NA	V---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	2800 x 1860 x 1650	750	2100 x 1000 x 1050	1
VY200NA		2800 x 2260 x 1650	900	2100 x 1400 x 1050	1
VY110NA		2800 x 3060 x 1650	1250	2100 x 1000 x 1050	2
VY210NA		2800 x 3460 x 1650	1350	[2100 x 1400 x 1050] + [2100 x 1000 x 1050]	2
VY220NA		2800 x 3860 x 1650	1450	2100 x 1400 x 1050	2
VY111NA	V---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	2800 x 4260 x 1650	1600	2100 x 1000 x 1050	3
VY211NA		2800 x 4660 x 1650	1700	[2100 x 1400 x 1050] + 2 x [2100 x 1000 x 1050]	3
VY221NA		2800 x 5060 x 1650	1800	2 x [2100 x 1400 x 1050] + [2100 x 1000 x 1050]	3
VY222NA		2800 x 5460 x 1650	1900	2100 x 1400 x 1050	3

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
vertical air discharge

XV 23 dB(A)

Acoustic enclosure **up to 23 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.

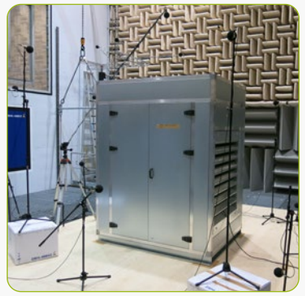
- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation XV acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	3,0	5,0	16,0	22,0	27,0	26,0	29,0	28,0	29,0

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.



Easy installation Assembled in the factory.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equipment
Principle: Rear and lateral suction, vertical air discharge on top					
XV100NA	XV---NA **V** = Galvanized steel and aluminum frame construction	2400 x 2560 x 1850	845	1700 x 1000 x 850	1
XV200NA		2400 x 2960 x 1850	1040	1700 x 1400 x 850	1
XV110NA		2400 x 3760 x 1850	1430	1700 x 1000 x 850	2
XV210NA		2400 x 4160 x 1850	1560	[1700 x 1400 x 850] + [1700 x 1000 x 850]	2
XV220NA		2400 x 4560 x 1850	1690	1700 x 1400 x 850	2
XV111NA	XV---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	2400 x 4960 x 1850	1950	1700 x 1000 x 850	3
XV211NA		2400 x 5360 x 1850	2080	[1700 x 1400 x 850] + 2 x (1700 x 1000 x 850]	3
XV221NA		2400 x 5760 x 1850	2210	2 x [1700 x 1400 x 850] + [1700 x 1000 x 850]	3
XV222NA		2400 x 6160 x 1850	2300	1700 x 1400 x 850	3
XVX100NA	XV---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	2600 x 2860 x 2050	910	1900 x 1300 x 1050	1
XVX200NA		2600 x 3300 x 2050	1105	1900 x 1750 x 1050	1
XVX110NA		2600 x 4360 x 2050	1625	1900 x 1300 x 1050	2
XVX210NA		2600 x 4800 x 2050	1755	[1900 x 1750 x 1050] + [1900 x 1300 x 1050]	2
XVX220NA		2600 x 5260 x 2050	1885	1900 x 1750 x 1050	2
XVX111NA		2600 x 5860 x 2050	2015	1900 x 1300 x 1050	3
XVX211NA		2600 x 6300 x 2050	2145	[1900 x 1750 x 1050] + 2 x [1900 x 1750 x 1050]	3
XVX221NA		2600 x 6760 x 2050	2236	2 x [1900 x 1750 x 1050] + [1900 x 1300 x 1050]	3
XVX222NA		2600 x 7260 x 2050	2366	1900 x 1750 x 1050	3
XVY100NA	XV---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	2800 x 2560 x 2050	975	2100 x 1000 x 1050	1
XVY200NA		2800 x 2960 x 2050	1170	2100 x 1400 x 1050	1
XVY110NA		2800 x 3760 x 2050	1625	2100 x 1000 x 1050	2
XVY210NA		2800 x 4160 x 2050	1755	[2100 x 1400 x 1050] + [2100 x 1000 x 1050]	2
XVY220NA		2800 x 4560 x 2050	1885	2100 x 1400 x 1050	2
XVY111NA	XV---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	2800 x 4960 x 2050	2080	2100 x 1000 x 1050	3
XVY211NA		2800 x 5360 x 2050	2210	[2100 x 1400 x 1050] + 2 x [2100 x 1000 x 1050]	3
XVY221NA		2800 x 5760 x 2050	2340	2 x [2100 x 1400 x 1050] + [2100 x 1000 x 1050]	3
XVY222NA		2800 x 6160 x 2050	2470	2100 x 1400 x 1050	3

* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.
** Data non-binding and determined with software.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
vertical air discharge

SQV 25 dB(A)

Acoustic enclosure **up to 25 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.



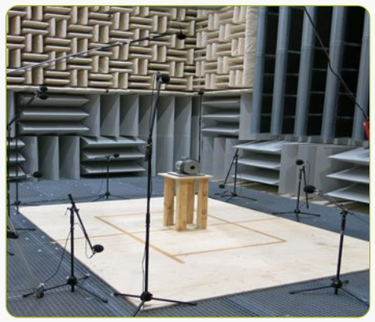

- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation SQV acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	5,1	7,8	18,6	24,1	24,4	24,9	27,1	26,5	23,3

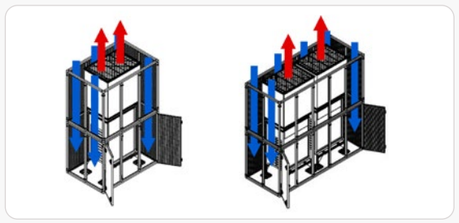
MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.




Pressure drop SQV acoustic cabin

The silencer is tailor-made, with a maximum pressure drop of 25 Pa. It is therefore produced on a project-specific basis for the respective outdoor unit that is to be sound-proofed.



Easy installation Disassembled ex works for delivery without crane.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equip-ment
Principle: Vertical air suction on top, vertical air discharge on top					
SQV100NP	SQV---NA **V** = Galvanized steel and aluminum frame construction	3400 x 1600 x 1600	520	on request	1
SQV200NP		3400 x 2375 x 1600	700	on request	2
SQV210NP	SQV---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	3400 x 3150 x 1600	880	on request	3
SQV220NP		3400 x 3925 x 1600	1060	on request	4
SQV221NP		3400 x 4700 x 1600	1240	on request	5
SQV222NP	SQV---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	3400 x 5475 x 1600	1420	on request	6
SQVY100NP		3800 x 1600 x 1600	570	on request	1
SQVY200NP	SQV---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	3800 x 2375 x 1600	760	on request	2
SQVY210NP		3800 x 3150 x 1600	950	on request	3
SQVY220NP	SQV---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	3800 x 3925 x 1600	1140	on request	4
SQVY221NP		3800 x 4700 x 1600	1340	on request	5
SQVY222NP		3800 x 5475 x 1600	1530	on request	6



* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

ACOUSTIC HOUSING
vertical air discharge

XQV 28 dB(A)

Acoustic enclosure **up to 28 dB(A)** sound reduction, measured according to **DIN EN ISO 3744**

Accessories, options and current product information can be found on our website www.solflex.eu.




- Designed to reduce the noise emissions of refrigeration, air conditioners and heat pumps without compromising functionality
- Ingenious intake and exhaust air separation for optimum efficiency of the built-in outdoor unit
- Service and maintenance access possible
- Protection against the weather and vandalism
- Can be adapted in colour to the environment

Sound insulation XQV acoustic housing

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
Sound insulation dB(A)	6,1	11,0	20,2	29,1	29,3	29,8	29,2	28,6	25,4

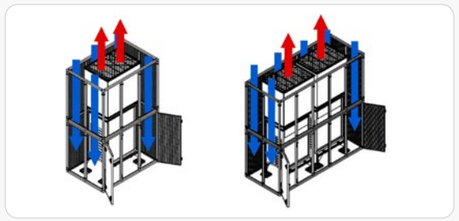
MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.



Pressure drop XQV acoustic cabin

The silencer is tailor-made, with a maximum pressure drop of 40 Pa. It is therefore produced on a project-specific basis for the respective outdoor unit that is to be sound-proofed.



Easy installation Disassembled ex works for delivery without crane.

Solflex Type	Version	Housing dimensions H x W x D [mm]	Weight [kg]	Max. dimensions for installation* H x W x D [mm]	Equip-ment
Principle: Vertical air suction on top, vertical air discharge on top					
XQV100NP	XQV---NA **V** = Galvanized steel and aluminum frame construction	4800 x 1700 x 1700	950	on request	1
XQV200NP	XQV---NA **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction	4800 x 2475 x 1700	1260	on request	2
XQV210NP	XQV---NA **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	4800 x 3250 x 1700	1570	on request	3
XQV220NP	XQV---NA **RAL7035 =** Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction	4800 x 4025 x 1700	1880	on request	4
XQV221NP	XQV---NA **RAL9010 =** Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	4800 x 1800 x 1700	2190	on request	5
XQV222NP		4800 x 5575 x 1700	2500	on request	6



* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

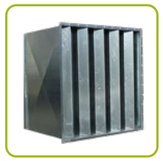
* The dimensions of the outdoor unit to be installed must be checked individually. For details, refer to the installation manual.
List prices available on www.solflex.eu

SOUND ATTENUATOR

Splitter sound attenuator / Circular silencer / Modular silencer

Accessories, options and current product information can be found on our website www.solflex.eu.

Splitter sound attenuator: Silencer with built-in backdrops and aerodynamically profiled frame, measured according to **DIN EN ISO 7235**



Circular silencer: Circular silencer with insertion loss, measured according to **DIN EN ISO 7235**. High acoustic effectiveness due to built-in core. Optimized to reduce the pressure difference on the inflow side with a streamlined dome.

Sound insulation splitter sound attenuator

KSD1000

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	4,0	10,0	22,0	23,0	26,0	19,0	13,0	11,0

KSD1250

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	4,0	12,0	27,0	28,0	31,0	22,0	14,0	12,0

KSD1500

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	5,0	15,0	32,0	33,0	36,0	25,0	16,0	14,0

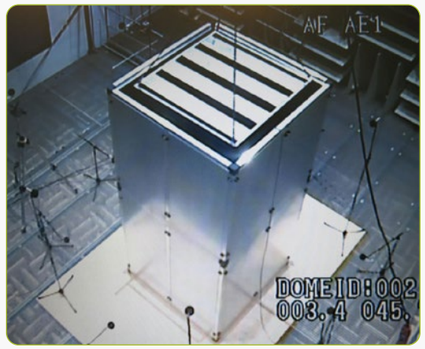
KSD2000

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	6,0	19,0	42,0	43,0	47,0	31,0	18,0	16,0

KSD2500

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	8,0	24,0	49,0	50,0	50,0	37,0	22,0	18,0

Measurement method according to DIN EN ISO 7235



Sound insulation Circular silencer

RSD1000

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	2,0	5,0	10,0	20,0	33,0	27,0	17,0	12,0

RSD1500

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	4,0	7,0	13,0	28,0	50,0	41,0	23,0	14,0

Modular silencer: Worldwide patented modular silencer MSD to solve sound problems in ventilation systems efficiently and almost without building costs.

- Flexible use and adaptation to the duct or pipe
- No additional component required by direct insertion into the duct section
- MSD are light and take little volume = low transport cost
- Easy and quick retrofitting in case of noise problems
- High sound insulation performance, low pressure loss
- Adaptable for rectangular and round ducts
- The modules are washable and long lasting, optimal price / performance ratio

Sound insulation modular silencer

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000
without silencer dB(A)	85,4	84,1	75,1	86,4	75,1	75,2	75,5	73,2	89,0
with MSD dB(A)	60,9	73,2	60,0	54,2	34,6	30,3	30,2	32,1	63,9

MP1 – MP2 = sound level reduction by acoustic housing*

The difference between the two measurements is the sound level reduction of the acoustic housing.

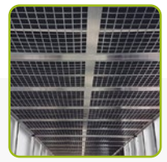
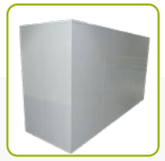
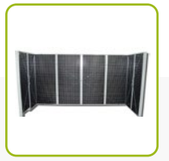
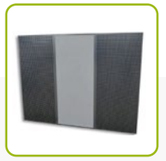
* The measurement tolerance of +/- 1.5 dB(A) or tolerance range of 3 dB(A) according to DIN EN ISO 3744 was not taken in consideration and we publish only the minimum sound level reduction values.

ACOUSTIC SCREENS

50mm / 90mm

Simple and cheapest solution for
sound problems in a certain direction;
available in any desired size

Accessories, options and current product information
can be found on our website www.solflex.eu.

Sound reduction index SDW 50mm measured according to EN ISO 10140-2:2010

Rating in accordance to EN ISO 717-1:1996

R_w = 25 dB

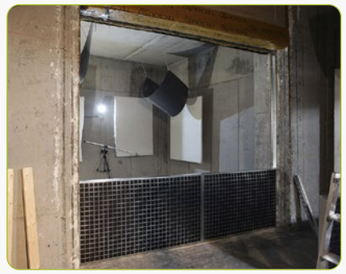
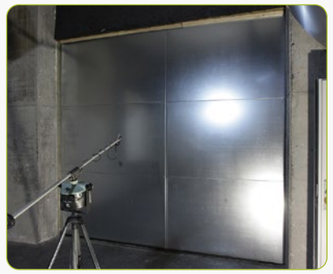
$R_w(C_{tr,\ 50\text{-}5000})$ = 20 dB

Frequency (Hz)	63	125	250	500	1000	2000	4000
Sound reduction dB(A)	11,9	12,5	15,1	24,4	24,8	26,0	25,9

Measurement method

- **L1:** Sound pressure level in the sending room, in dB
- **L2:** Sound pressure level in the receiving room, in dB

R = L1 – L2 + 10 log (S/A)

Sound absorption coefficient SDW 50mm measured according to EN ISO 354:2003

Rating in accordance with EN ISO 11654:1997

Weighted sound absorption coefficient α_w = 1,00
Acoustical absorption class = A
NRC = 0,95
SAA = 0,93

Frequency (Hz)	125	250	500	1000	2000	4000
Sound absorption coefficient α	0,25	0,75	1,00	1,00	0,95	0,95

Sound reduction index SDW 90mm measured according to EN ISO 10140-2:2010

Rating in accordance with EN ISO 717-1:1996

R_w = 27 dB

$R_w(C_{tr,\ 50\text{-}5000})$ = 23 dB

Frequency (Hz)	63	125	250	500	1000	2000	4000
Sound reduction dB(A)	12,3	13,9	19,9	29,1	26,1	26,8	27,9

Sound absorption coefficient SDW 90mm measured according to EN ISO 354:2003

Rating in accordance with EN ISO 11654:1997

Weighted sound absorption coefficient α_w = 1,00
Acoustical absorption class = A
NRC = 1
SAA = 1,01

Frequency (Hz)	125	250	500	1000	2000	4000
Sound absorption coefficient α	0,25	0,75	1,00	1,00	0,95	0,95

Easy installation Disassembled ex works for delivery without crane.

Solflex Type	**Version**	**Housing dimensions** H x W x D [mm]	**Weight** [kg/m²]
SDW 50mm	**V** = Galvanized steel and aluminum frame construction **RAL7016** = Galvanized steel in RAL7016 anthracite grey powder-coated and aluminum frame construction **RAL7035** = Galvanized steel in RAL7035 light grey powder-coated and aluminum frame construction **RAL9006** = Galvanized steel in RAL9006 white aluminium powder-coated and aluminum frame construction **RAL9010** = Galvanized steel in RAL9010 pure white powder-coated and aluminum frame construction	H and W made to measure, D=50mm	20
SDW T 50mm		H and W made to measure, D=50mm	20
SDW 90mm		H and W made to measure, D=90mm	20
SDW T 90mm		H and W made to measure, D=90mm	20

FURTHER PRODUCTS

Acoustic louvres / Custom made

Accessories, options and current product information
can be found on our website www.solflex.eu.

Acoustic louvres:
Acoustic louvres in 4 available depths (200, 300, 400, 600mm), filled with acoustically absorbing material for **maximum sound insulation**



As standard, the Solflex acoustic louvres are made of galvanized or powder-coated sheet metal in RAL colors. Depending on the insulation required, the depth of the blinds can be selected from **4 available dimensions** (200, 300, 400 and 600mm depth). The width is arbitrary possible for 100mm from 300 to 2.500mm. The height is arbitrary possible, each 150mm from 450 to 2.250mm.

The entrance openings are equipped with bird protection nets as standard. The acoustic louvres serve as sound absorbing elements for ventilation openings of noisy rooms in order to reduce the noise emissions into open air (or in interspaces).

Sound insulation acoustic louvres according to EN ISO 11691

Depth 200mm								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	4,0	6,0	7,0	12,0	12,0	13,0	14,0	14,0
Depth 300mm								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	7,0	8,0	8,0	17,0	18,0	19,0	18,0	19,0
Depth 400mm								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	15,0	10,0	12,0	22,0	23,0	23,0	23,0	24,0
Depth Tiefe 600mm								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Sound insulation dB(A)	7,0	9,0	12,0	26,0	27,0	25,0	27,0	29,0

Custom made:
Custom made sound insulation housings in a variety of designs

Custom-made Solflex sound insulation housings:
- for heat pumps
- for refrigeration systems
- for chillers
- for dry coolers or condensers
- for special technical devices
- with built-in technical fittings
- with special sound insulation for certain frequencies
- with isolators for efficient vibration isolation or decoupling of structure-borne noise

Individual versions – Europe-wide deliveries
Solflex custom designs are available in different versions:
- galvanized
- powder-coated in custom RAL colour
- stainless steel
- foil wrapping with its own design and design options, such as advertising

For larger projects, the planning (nature measurement, safety precautions, performance specifications) takes place during on-site appointment. On request, we can also carry out the installation.



Questions?

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