

Thermal management system

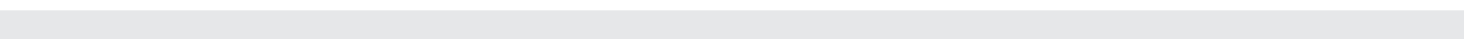
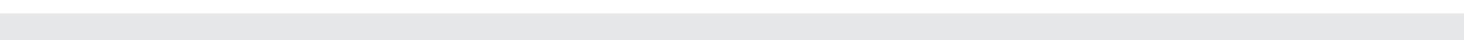
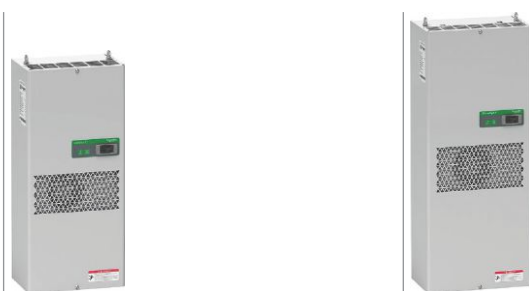
Cooling units



Characteristics	Side-mounting models			
	• Respect for the environment by using environmentally friendly gas R134a (HFC). • Electronic thermostats in all models. • Alarm signal for door contact included in all models. • Eyebolts included. • The external filter, not included as standard, is strongly recommended for harsh environments. • Digital screen. • Evaporation condensation water unit integrated from 800 W to 15 kW.			
Material	RAL 7035 grey painted zinc-coated steel or stainless steel			
Certifications and declarations	• CE declaration • UL (only references ending with UL) • EAC			
Installation	Indoor			
Cooling characteristics				
Cooling power L35-L35 according to EN 14511	300 W (1024 Btu/h)	380 W (1297 Btu/h)	640 W (2184 Btu/h)	820 W (2798 Btu/h)
Cooling power L35-L50 according to EN 14511	150 W (512 Btu/h)	240 W (819 Btu/h)	470 W (1604 Btu/h)	680 W (2320 Btu/h)
Air flow of the internal circuit (enclosure)	280 m³/h	280 m³/h	330 m³/h	330 m³/h
Air flow of the external circuit (ambient)	280 m³/h	280 m³/h	570 m³/h	570 m³/h
Thermostat type	Electronic	Electronic	Electronic	Electronic
Temperature range internal circuit (enclosure)	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
Maximum outside temperature	+55°C	+55°C (+50°C)*	+55°C (+50°C)*	+55°C (+50°C)*
Temperature range external circuit (ambient)	+5 ... +55°C*	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +55°C* (+5 ... +50°C)*
Type of cooling gas	R134a	R134a	R134a	R134a
Cooling gas weight	0.13 kg	0.16 kg	0.23 kg	0.23 kg
Maximum pressure cooling circuit	25 bar	26 bar (28 bar)**	25 bar (28 bar)**	25 bar (28 bar)**
External filter	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591
Electric characteristics				
Input voltage	1 x 230 V / 50-60 Hz	1 x 230 V / 50-60 Hz**	1 x 230 V / 50-60 Hz**	1 x 230 V / 50-60 Hz**
Starting / Rated Intensity	4.2 A / 1.5 A	6.0 A / 1.6 A	8.1 A / 2.1 A	10.8 A / 2.6 A
Power consumption absorbed L35-L35 according to EN 14511	270 W	280 W	400 W	440 W
Power consumption absorbed L35-L50 according to EN 14511	310 W	330 W	470 W	490 W
Energy efficiency ratio (EER) L35-L35	1.1	1.4	1.6	1.9
Thermal protection recommended (fuse)	T4 A	T4 A	T6 A	T6 A
Physical characteristics				
External dimensions (H x W x D)	340 x 525 x 135 mm	460 x 285 x 180 mm	606 x 316 x 212 mm	783 x 348 x 215 mm
Protection degree IP internal /external according to IEC 60529	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34
Noise level	61 dB	60 dB	65 dB	65 dB
Weight of unit	17 kg	17 kg	21 kg	27 kg
References				
Steel	NSYCU300H	NSYCU400	NSYCU600	NSYCU800
Stainless steel	-	NSYCUX400	NSYCUX600	NSYCUX800
Steel UL	-	NSYCU400UL	NSYCU600UL	NSYCU800UL
Stainless steel UL	-	-	NSYCUX600UL	NSYCUX800UL

* 50°C at 60 Hz.

** Certification UL only 60 Hz.



	1000 W (3412 Btu/h)	1000 W (3412 Btu/h)	1250 W (4265 Btu/h)	1250 W (4265 Btu/h)	1600 W (5459 Btu/h)	1600 W (5459 Btu/h)	2000 W (6824 Btu/h)
	790 W (2696 Btu/h)	790 W (2696 Btu/h)	910 W (3105 Btu/h)	910 W (3105 Btu/h)	1230 W (4197 Btu/h)	1230 W (4197 Btu/h)	1510 W (5152 Btu/h)
	330 m³/h	330 m³/h	570 m³/h	570 m³/h	570 m³/h	570 m³/h	860 m³/h
	570 m³/h	570 m³/h	860 m³/h	860 m³/h	1050 m³/h	1050 m³/h	1050 m³/h
	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
	+55°C (+50°C)*	+55°C (+50°C)*	+55°C (+50°C)*	+55°C	+55°C (+50°C)*	+50°C*	+55°C (+50°C)*
	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +50°C (+5 ... +50°C)*	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +50°C	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +50°C	+5 ... +55°C* (+5 ... +50°C)*
	R134a	R134a	R134a	R134a	R134a	R134a	R134a
	0.23 kg	0.23 kg	0.38 kg	0.38 kg	0.45 kg	0.45 kg	0.54 kg
	25 bar (28 bar)**	25 bar (28 bar)**	25 bar (28 bar)**	25 bar	25 bar (28 bar)**	25 bar (28 bar)**	25 bar (28 bar)**
	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591
	1 x 230 V / 50-60 Hz**	2 x 400-440 V / 50- 60 Hz 2 x 400-460 V / 50- 60 Hz**	1 x 230 V / 50-60 Hz**	2 x 400-440 V / 50-60 Hz	1 x 230 V / 50-60 Hz**	2 x 400-440 V / 50- 60 Hz 2 x 460 V / 60 Hz**	1 x 230 V / 50-60 Hz**
	10.5 A / 3 A	8 A / 2 A	11 A / 3.8 A	8.5 A / 2.8 A	18 A / 5.4 A	11 A / 2.9 A	24 A / 6.5 A
	570 W	590 W	650 W	650 W	850 W	840 W	1080 W
	650 W	670 W	760 W	770 W	970 W	960 W	1290 W
	1.8	1.7	1.9	1.9	1.9	1.9	1.9
	T6 A	T4 A	T6 A	T4 A	T10 A	T6 A	T10 A
	783 x 348 x 215 mm	783 x 348 x 215 (+58) mm	999 x 405 x 237 mm	999 x 405 x 237 mm	999 x 405 x 237 mm	999 x 405 x 237 mm	999 x 405 x 237 mm
	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34
	65 dB	65 dB	65 dB	65 dB	65 dB	65 dB	65 dB
	28 kg	29 kg	38 kg	40 kg	40 kg	42 kg	52 kg
	NSYCU1K	NSYCU1K2P4	NSYCU1K2	NSYCU1K22P4	NSYCU1K6	NSYCU1K62P4	NSYCU2K
	NSYCU1K	NSYCU1K2P4	NSYCU1K2	NSYCU1K22P4	NSYCU1K6	NSYCU1K62P4	NSYCU2K
	NSYCU1KUL	NSYCU1K2P4UL	NSYCU1K2UL	-	NSYCU1K6UL	NSYCU1K62P4UL	NSYCU2KUL
	NSYCU1KUL	NSYCU1K2P4UL	NSYCU1K2UL	-	NSYCU1K6UL	NSYCU1K62P4UL	NSYCU2KUL

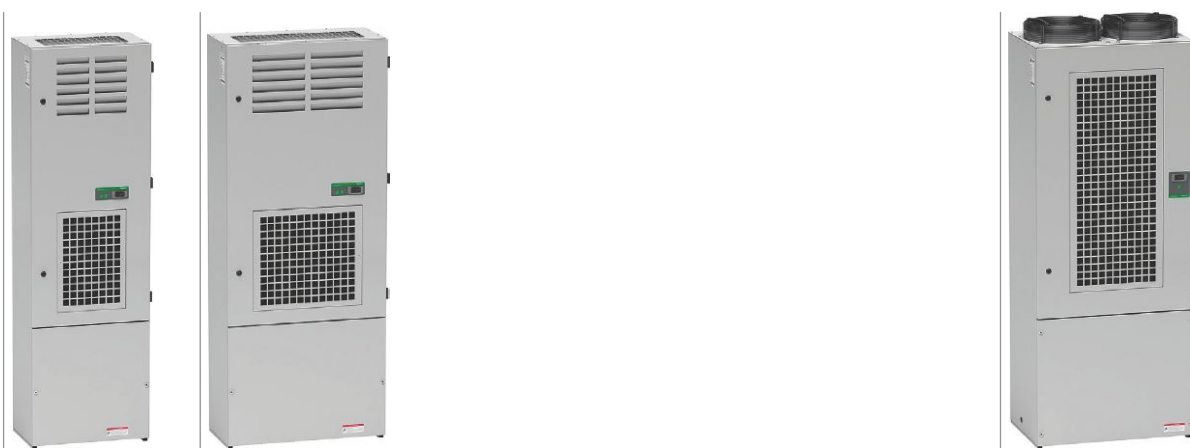
Thermal management system

Cooling units



Characteristics	Side-mounting models			Floor-standing models	
	Alarm signal for door contact included in all models. Eyebolts included. The external filter, not included as standard, is strongly recommended for harsh environments.				
Material	RAL 7035 grey painted zinc-coated steel or stainless steel				
Certifications and declarations	CE declaration UL (only references ending with UL) EAC				
Installation	Indoor				
Cooling characteristics					
Cooling power L35-L35 according to EN 14511	2000 W (6824 Btu/h)	2900 W (9895 Btu/h)	3850 W (13137 Btu/h)	5800 W (19790 Btu/h)	
Cooling power L35-L50 according to EN 14511	1510 W (5152 Btu/h)	2250 W (7677 Btu/h)	2870 W (9793 Btu/h)	4350 W (14843 Btu/h)	
Air flow of the internal circuit (enclosure)	860 m³/h	1450 m³/h	1450 m³/h	1450 m³/h	
Air flow of the external circuit (ambient)	1050 m³/h	1450 m³/h	1450 m³/h	2900 m³/h	
Thermostat type	Electronic	Electronic	Electronic	Electronic	
Temperature range internal circuit (enclosure)	+20 ... +46°C (+45°C)*	+20 ... +46°C (+45°C)*	+20 ... +46°C (+45°C)*	+20 ... +46°C	
Maximum outside temperature	+50°C (+45°C)	+50°C (+45°C)	+50°C (+45°C)	+50°C	
Temperature range external circuit (ambient)	+5 ... +50°C (+5 ... +45°C)*	+5 ... +50°C (+5 ... +45°C)*	+5 ... +50°C (+5 ... +45°C)*	+10 ... +50°C	
Type of cooling gas	R134a	R134a	R134a	R407c	
Cooling gas weight	0.59 kg	0.84 kg	1.14 kg	1.8 kg	
Maximum pressure cooling circuit	25 bar (28 bar)*	25 bar (28 bar)*	25 bar (28 bar)*	27 bar	
External filter	Optional, see page 591	Optional, see page 591	Optional, see page 591	Polyurethane filter standard	
Electric characteristics					
Input voltage	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*	3 x 400 V / 50 Hz	
Starting / Rated Intensity	10 A / 2.5 A	14 A / 2.6 A	18 A / 3.6 A	21.7 A / 5.9 A	
Power consumption absorbed L35-L35 according to EN 14511	970 W	1220 W	1780 W	2340 W	
Power consumption absorbed L35-L50 according to EN 14511	1150 W	1440 W	2050 W	3880 W	
Energy efficiency ratio (EER) L35-L35	2.1	2.4	2.2	2.5	
Thermal protection recommended (fuse)	T6 A	T6 A	T8 A	T8 A	
Physical characteristics					
External dimensions (H x W x D)	999 x 405 x 237 mm	1270 x 500 x 336 mm	1270 x 500 x 336 mm	2000 x 600 x 380 mm	
Protection degree IP internal /external according to IEC 60529	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP54 / IP34	
Noise level	65 dB	70 dB	70 dB	72 dB	
Weight of unit	54 kg	84 kg	85 kg	150 kg	
References					
Steel	NSYCU2K3P4	NSYCU3K3P4	NSYCU4K3P4	NSYCU6K3P4	
Stainless steel	NSYCUX2K3P4	NSYCUX3K3P4	NSYCUX4K3P4	-	
Steel UL	NSYCU2K3P4UL	NSYCU3K3P4UL	NSYCU4K3P4UL	-	
Stainless steel UL	NSYCUX2K3P4UL	NSYCUX3K3P4UL	NSYCUX4K3P4UL	-	

* Certification UL only 60 Hz..



	6050 W (20643 Btu/h)	7600 W (25932 Btu/h)	7950 W (27126 Btu/h)	9400 W (32074 Btu/h)	9850 W (33610 Btu/h)	14800 W (50500 Btu/h)	15150 W (51694 Btu/h)
	4350 W (14843 Btu/h)	5700 W (19449 Btu/h)	5930 W (20234 Btu/h)	7000 W (23885 Btu/h)	7350 W (25079 Btu/h)	11300 W (38557 Btu/h)	11600 W (39581 Btu/h)
	1450 m³/h	2900 m³/h	2900 m³/h	2900 m³/h	2900 m³/h	4300 m³/h	4300 m³/h
	2900 m³/h	2900 m³/h	2900 m³/h	2900 m³/h	2900 m³/h	5800 m³/h	5800 m³/h
	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
	+50°C	+50°C	+50°C	+50°C	+50°C	+55°C	+55°C
	+10 ... +50°C	+10 ... +50°C	+10 ... +50°C	+10 ... +45°C	+10 ... +45°C	+10 ... +50°C	+10 ... +50°C
	R407c	R134a	R134a	R134a	R134a	R410a	R410a
	1.8 kg	2.8 kg	2.8 kg	2.3 kg	2.3 kg	3.5 kg	3.5 kg
	27 bar	27 bar	27 bar	27 bar	27 bar	39 bar	39 bar
	Polyurethane filter standard	Polyurethane filter standard	Polyurethane filter standard	Polyurethane filter standard	Polyurethane filter standard	Polyurethane filter standard	Polyurethane filter standard
	3 x 460 V / 60 Hz	3 x 400 V / 50 Hz	3 x 460 V / 60 Hz	3 x 400 V / 50 Hz	3 x 460 V / 60 Hz	3 x 400 V / 50 Hz	3 x 460 V / 60 Hz
	23.5 A / 6.8 A	43.8 A / 7.2 A	44.5 A / 7.9 A	30.7 A / 9.1 A	32.5 A / 10.3 A	49 A / 11 A	51 A / 11.8 A
	2920 W	3530 W	4210 W	3850 W	4380 W	5750 W	6580 W
	4520 W	4270 W	5340 W	5400 W	6340 W	6900 W	7760 W
	2.1	2.2	1.9	2.4	2.2	2.6	2.3
	T8 A	T10 A	T10 A	T18 A	T18 A	T20 A	T20 A
	2000 x 600 x 380 mm	2000 x 800 x 380 mm	2000 x 800 x 380 mm	2000 x 800 x 380 mm	2000 x 800 x 380 mm	2000 x 800 x 550 mm	2000 x 800 x 550 mm
	IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34
	72 dB	72 dB	72 dB	77 dB	77 dB	67 dB	67 dB
	150 kg	160 kg	160 kg	180 kg	180 kg	240 kg	240 kg
	NSYCU6K3P460	NSYCU8K3P4	NSYCU8K3P460	NSYCU10K3P4	NSYCU10K3P460	NSYCU15K3P4	NSYCU15K3P460
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

Thermal management system

Cooling units



Characteristics		Roof-mounting models		
		• Respect for the environment by using environmentally friendly gas R134a (HFC). • Integrated water condensation exit system. • Alarm signal for door contact included in all models. • Eyebolts included. • The external filter, not included as standard, is strongly recommended for harsh environments.		
Material		RAL 7035 grey painted zinc-coated steel or stainless steel.		
Certifications and declarations		• CE declaration • UL (only references ending with UL) • EAC		
Installation		Indoor		
Cooling characteristics				
Cooling power L35-L35 according to EN 14511	410 W (1399 Btu/h)	820 W (2798 Btu/h)	1150 W (3924 Btu/h)	
Cooling power L35-L50 according to EN 14511	240 W (819 Btu/h)	680 W (2320 Btu/h)	900 W (3071 Btu/h)	
Air flow of the internal circuit (enclosure)	235 m³/h	570 m³/h	570 m³/h	
Air flow of the external circuit (ambient)	330 m³/h	860 m³/h	1010 m³/h	
Thermostat type	Electronic	Electronic	Electronic	
Temperature range internal circuit (enclosure)	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	
Maximum outside temperature	+55°C (+50°C)*	+55°C (+50°C)*	+55°C (+50°C)*	
Temperature range external circuit (ambient)	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +55°C* (+5 ... +50°C)*	+5 ... +55°C* (+5 ... +50°C)*	
Type of cooling gas	R134a	R134a	R134a	
Cooling gas weight	0.17 kg	0.31 kg	0.63 kg	
Maximum pressure cooling circuit	28 bar	25 bar (28 bar)**	25 bar (28 bar)**	
External filter	Optional, see page 591	Optional, see page 591	Optional, see page 591	
Electric characteristics				
Input voltage	1 x 230 V / 50-60 Hz**	1 x 230 V / 50-60 Hz**	1 x 230 V / 50-60 Hz**	
Starting / Rated Intensity	4 A / 1.5 A	12 A / 2.9 A	11 A / 3.2 A	
Power consumption absorbed L35-L35 according to EN 14511	230 W	510 W	550 W	
Power consumption absorbed L35-L50 according to EN 14511	290 W	560 W	660 W	
Energy efficiency ratio (EER) L35-L35	1.8	1.6	2.1	
Thermal protection recommended (fuse)	T4 A	T6 A	T6 A	
Physical characteristics				
External dimensions (H x W x D)	264 x 486 x 259 mm	340 x 600 x 340 mm	415 x 567 x 401 mm	
Protection degree IP internal /external according to IEC 60529	IP54 / IP34	IP54 / IP34	IP54 / IP34	
Noise level	65 dB	65 dB	65 dB	
Weight of unit	18 kg	23 kg	40 kg	
References				
Steel	NSYCU400R	NSYCU800R	NSYCU1K2R	
Stainless steel	NSYCUX400R	NSYCUX800R	NSYCUX1K2R	
Steel UL	NSYCU400RUL	NSYCU800RUL	NSYCU1K2RUL	

* 50°C at 60 Hz.

** Certification UL only 60 Hz.

*** For cooling units greater than 65 kg we recommend to place universal cross rails NSYSUCR4060 or NSYSUCR4080.

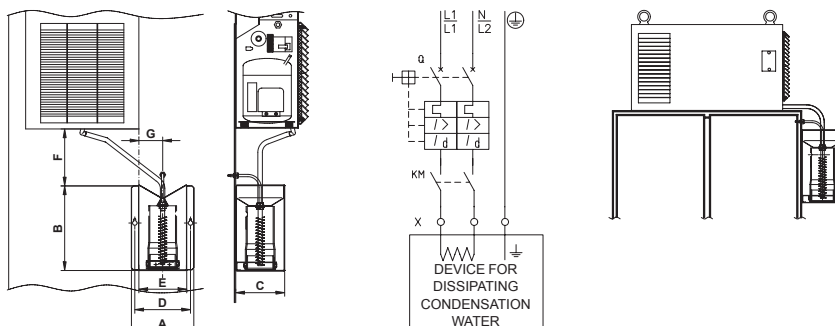
Device for dissipating condensation water (external installation)

- Device allowing the evacuation of condensation water from the internal battery (evaporator).
- Supplied with stainless steel support.
- Power supply:

Operating voltage ±10%				
Voltage	Starting current	Thermal protection recommended	Evaporation capacity	Resistance type
230 V~	2.9 A	T 3 A	200 cl/h	PTC
115 V~	5.8 A	T 6 A	200 cl/h	PTC

Heat sink

NSYCUAD



Technical changes reserved. Information provided without guarantee. Images are for illustrative purposes only.



1550 W (5289 Btu/h)	2050 W (6995 Btu/h)	2050 W (6995 Btu/h)	2900 W (9895 Btu/h)	3850 W (13137 Btu/h)
1200 W (4095 Btu/h)	1560 W (5323 Btu/h)	1560 W (5323 Btu/h)	2250 W (7677 Btu/h)	2870 W (9793 Btu/h)
860 m³/h	1050 m³/h	1050 m³/h	860 m³/h	1450 m³/h
1820 m³/h	1820 m³/h	1820 m³/h	3410 m³/h	3410 m³/h
Electronic	Electronic	Electronic	Electronic	Electronic
+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
+55°C	+55°C (+50°C)**	+50°C (+45°C)**	+50°C (+45°C)**	+50°C (+45°C)**
+5 ... +55°C* (+5 ... +50°C)*	+5 ... +55°C*	+5 ... +50°C (+5 ... +45°C)**	+5 ... +50°C (+5 ... +45°C)**	+5 ... +50°C (+5 ... +45°C)**
R134a	R134a	R134a	R134a	R134a
0.54 kg	0.55 kg	0.55 kg	1.20 kg	1.60 kg
25 bar (28 bar)**	25 bar	25 bar (28 bar)**	25 bar (28 bar)**	25 bar (28 bar)**
Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591
1 x 230 V / 50-60 Hz**	1 x 230 V / 50-60 Hz	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*	3 x 400 V / 50-60 Hz 3 x 460 V / 60 Hz*
18 A / 4.5 A	24 A / 6 A	10 A / 1.9 A	15.7 A / 2.5 A	17 A / 3.6 A
810 W	1150 W	990 W	1210 W	1790 W
930 W	1250 W	1190 W	1450 W	2010 W
1.9	1.8	2.1	2.4	2.2
T10 A	T10 A	T6 A	T6 A	T6 A
415 x 567 x 401 mm	415 x 567 x 401 mm	415 x 567 x 401 mm	496 x 797 x 492 mm	496 x 797 x 492 mm
IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34	IP54 / IP34
65 dB	65 dB	65 dB	75 dB	75 dB
44 kg	50 kg	52 kg	83 kg***	86 kg***
NSYCU1K5R	NSYCU2KR	NSYCU2K3P4R	NSYCU3K3P4R	NSYCU4K3P4R
NSYCU1K5RUL	NSYCU2KR	NSYCU2K3P4RUL	NSYCU3K3P4RUL	NSYCU4K3P4RUL

Thermal management system

Outdoor Heavy Duty cooling units



Characteristics	Side-mounting models		
	• Respect for the environment by using environmentally friendly gas R134a (HFC). • Mechanical thermostats in all models. • Eyebolts included. • The external filter, not included as standard. The metallic filter is strongly recommended. • Metallic canopy as standard. • Anti-corrosive protection (class C3H). • Inside components, including the condenser, coated with anti-corrosive protection.		
Material	RAL 7035 grey painted zinc-coated steel		
Certifications and declarations	• CE declaration • EAC		
Installation	Indoor or outdoor		
Cooling characteristics			
Cooling power L35-L35 according to EN 14511	380 W (1297 Btu/h)	640 W (2184 Btu/h)	820 W (2798 Btu/h)
Cooling power L35-L50 according to EN 14511	240 W (819 Btu/h)	470 W (1604 Btu/h)	680 W (2320 Btu/h)
Air flow of the internal circuit (enclosure)	280 m³/h	330 m³/h	330 m³/h
Air flow of the external circuit (ambient)	280 m³/h	570 m³/h	570 m³/h
Thermostat type	Mechanic	Mechanic	Mechanic
Temperature range internal circuit (enclosure)	+20 ... +50°C	+20 ... +50°C	+20 ... +50°C
Maximum outside temperature	+55°C	+55°C	+55°C
Temperature range external circuit (ambient)	-20 ... +55°C	-20 ... +55°C	-20 ... +55°C
Type of cooling gas	R134a	R134a	R134a
Cooling gas weight	0.16 kg	0.26 kg	0.28 kg
Maximum pressure cooling circuit	26 bar	25 bar	25 bar
External filter	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591
Electric characteristics			
Input voltage	1 x 230 V / 50-60 Hz	1 x 230 V / 50-60 Hz	1 x 230 V / 50-60 Hz
Starting / Rated Intensity	6.0 A / 1.6 A	8.1 A / 2.1 A	10.8 A / 2.6 A
Power consumption absorbed L35-L35 according to EN 14511	280 W	400 W	440 W
Power consumption absorbed L35-L50 according to EN 14511	330 W	470 W	490 W
Energy efficiency ratio (EER) L35-L35	1.4	1.6	1.9
Thermal protection recommended (fuse)	T4 A	T6 A	T6 A
Physical characteristics			
External dimensions (H x W x D)	573 x 300 x 205 mm	718 x 331 x 235 mm	875 x 363 x 239 mm
Protection degree IP internal /external according to IEC 60529	IP55 / IP34	IP55 / IP34	IP55 / IP34
Noise level	60 dB	65 dB	65 dB
Weight of unit	17 kg	21 kg	27 kg
References			
	NSYCUHD400	NSYCUHD600	NSYCUHD800



1000 W (3412 Btu/h)	1000 W (3412 Btu/h)	1600 W (5459 Btu/h)	1600 W (5459 Btu/h)	2000 W (6824 Btu/h)	2900 W (9895 Btu/h)	3850 W (13137 Btu/h)
790 W (2696 Btu/h)	790 W (2696 Btu/h)	1230 W (4197 Btu/h)	1230 W (4197 Btu/h)	1510 W (5152 Btu/h)	2250 W (7677 Btu/h)	2870 W (9793 Btu/h)
330 m³/h	330 m³/h	570 m³/h	570 m³/h	860 m³/h	1450 m³/h	1450 m³/h
570 m³/h	570 m³/h	1050 m³/h	1050 m³/h	1050 m³/h	1450 m³/h	1450 m³/h
Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic	Mechanic
+20 ... +50°C	+20 ... +50°C	+20 ... +50°C	+20 ... +50°C	+20 ... +50°C	+20 ... +50°C	+20 ... +50°C
+55°C	+55°C	+55°C	+55°C	+55°C	+55°C	+55°C
-20 ... +55°C	-20 ... +50°C	-20 ... +55°C	-20 ... +50°C	-20 ... +55°C	-20 ... +50°C	-20 ... +50°C
R134a	R134a	R134a	R134a	R134a	R134a	R134a
0.27 kg	0.27 kg	0.46 kg	0.46 kg	0.65 kg	0.84 kg	1.14 kg
25 bar	25 bar	25 bar	25 bar	25 bar	25 bar	25 bar
Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591	Optional, see metallic filter on page 591
1 x 230 V / 50-60 Hz	2 x 400-440 V / 50-60 Hz	1 x 230 V / 50-60 Hz	2 x 400-440 V / 50-60 Hz	3 x 400 V / 50-60 Hz	3 x 400 V / 50-60 Hz	3 x 400 V / 50-60 Hz
10.5 A / 3 A	8 A / 2 A	18 A / 5.3 A	11 A / 2.9 A	10 A / 2.5 A	14 A / 2.6 A	18 A / 3.6 A
570 W	590 W	820 W	840 W	970 W	1220 W	1780 W
650 W	670 W	940 W	960 W	1150 W	1440 W	2050 W
1.8	1.7	2.0	1.9	2.1	2.4	2.2
T6 A	T4 A	T10 A	T6 A	T6 A	T6 A	T8 A
895 x 363 x 239 mm	895 x 363 x 239 (+58) mm	1009 x 415 x 261 mm	1009 x 415 x 261 mm	1009 x 415 x 261 mm	1416 x 512 x 365 mm	1416 x 512 x 365 mm
IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34
65 dB	65 dB	65 dB	65 dB	65 dB	70 dB	70 dB
28 kg	29 kg	40 kg	42 kg	54 kg	84 kg	85 kg
NSYCUHD1K	NSYCUHD1K2P4	NSYCUHD1K6	NSYCUHD1K62P4	NSYCUHD2K3P4	NSYCUHD3K3P4	NSYCUHD4K3P4

Thermal management system

Slim cooling units



Characteristics	Side-mounting models			
	• Respect for the environment by using environmentally friendly gas R134a (HFC). • Electronical thermostat included. • 3 mounting positions (surface, half-flush and flush). • Alarm Signal for contact door. • Eyebolts included.			
Material	RAL 7035 grey painted zinc-coated steel or stainless steel			
Certifications and declarations	• CE declaration • UL • EAC			
Installation	• Indoor • There is one unique cut-out for all mounting positions and all slim models			
Cooling characteristics				
Cooling power L35-L35 according to EN 14511	1100 W (3753 Btu/h)	1100 W (3753 Btu/h)	1500 W (5118 Btu/h)	1500 W (5118 Btu/h)
Cooling power L35-L50 according to EN 14511	860 W (2934 Btu/h)	860 W (2934 Btu/h)	1150 W (3924 Btu/h)	1150 W (3924 Btu/h)
Air flow of the internal circuit (enclosure)	860 m³/h	860 m³/h	860 m³/h	860 m³/h
Air flow of the external circuit (ambient)	860 m³/h	860 m³/h	860 m³/h	860 m³/h
Thermostat type	Electronic	Electronic	Electronic	Electronic
Temperature range internal circuit (enclosure)	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
Maximum outside temperature	+50°C	+50°C	+50°C	+50°C
Temperature range external circuit (ambient)	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C
Type of cooling gas	R134a	R134a	R134a	R134a
Cooling gas weight	0.5 kg	0.5 kg	0.46 kg	0.46 kg
Maximum pressure cooling circuit	28 bar	28 bar	28 bar	28 bar
External circuit filter	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591
Electric characteristics				
Input voltage	1 x 230 V / 50-60 Hz*	2 x 400-460 V / 50-60 Hz*	1 x 230 V / 50-60 Hz*	2 x 400-460 V / 50-60 Hz*
Starting / Rated Intensity	11 A / 4.8 A	8.5 A / 2.7 A	18 A / 5.7 A	11 A / 3.2 A
Power consumption absorbed L35-L35 according to EN 14511	660 W	660 W	840 W	840 W
Power consumption absorbed L35-L50 according to EN 14511	790 W	790 W	970 W	970 W
Energy efficiency ratio (EER) L35-L35	1.7	1.7	1.8	1.8
Thermal protection recommended (fuse)	T6 A	T4 A	T10 A	T6 A
Physical characteristics				
External dimensions (H x W x D)	1696 x 495 x 195 mm	1696 x 495 x 195 mm	1696 x 495 x 195 mm	1696 x 495 x 195 mm
Protection degree IP internal /external according to IEC 60529	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34
Noise level	64 dB	64 dB	66 dB	66 dB
Weight of unit	50 kg	52 kg	55 kg	57 kg
References				
Steel UL	NSYCUS1K1UL	NSYCUS1K12P4UL	NSYCUS1K5UL	NSYCUS1K52P4UL
Stainless steel UL	NSYCUSX1K1UL	NSYCUSX1K12P4UL	NSYCUSX1K5UL	NSYCUSX1K52P4UL

* Certification UL only 60 Hz.



	2000 W (6824 Btu/h)	2000 W (6824 Btu/h)	2500 W (8530 Btu/h)	2500 W (8530 Btu/h)	3200 W (10919 Btu/h)	3200 W (10919 Btu/h)
	1550 W (5289 Btu/h)	1550 W (5289 Btu/h)	1850 W (6312 Btu/h)	1850 W (6312 Btu/h)	2500 W (8530 Btu/h)	2500 W (8530 Btu/h)
	860 m³/h	860 m³/h	1450 m³/h	1450 m³/h	1450 m³/h	1450 m³/h
	1050 m³/h	1050 m³/h	1450 m³/h	1450 m³/h	1450 m³/h	1450 m³/h
	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C	+20 ... +46°C
	+50°C	+50°C	+50°C	+50°C	+50°C	+50°C
	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C	+5 ... +50°C
	R134a	R134a	R134a	R134a	R134a	R134a
	0.51 kg	0.59 kg	1.2 kg	1.2 kg	0.85 kg	1.25 kg
	28 bar	28 bar	28 bar	28 bar	28 bar	28 bar
	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591	Optional, see page 591
	1 x 230 V / 60 Hz	3 x 400 V / 50-60 Hz (3 x 460 V / 60 Hz)*	1 x 230 V / 60 Hz	3 x 400 V / 50-60 Hz (3 x 460 V / 60 Hz)*	1 x 230 V / 60 Hz	3 x 400 V / 50-60 Hz (3 x 460 V / 60 Hz)*
	24 A / 6.5 A	10 A / 2.1 A	35 A / 10.5 A	14 A / 2.9 A	37 A / 10.5 A	18 A / 3.1 A
	1020 W	1060 W	1340 W	1270 W	1720 W	1650 W
	1160 W	1270 W	1580 W	1510 W	2000 W	1980 W
	2.0	1.9	1.9	2.0	1.9	1.9
	T10 A	T6 A	T16 A	T6 A	T16 A	T6 A
	1696 x 495 x 195 mm	1696 x 495 x 195 mm	1696 x 495 x 235 mm	1696 x 495 x 235 mm	1696 x 495 x 235 mm	1696 x 495 x 235 mm
	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34	IP55 / IP34
	67 dB	67 dB	69 dB	69 dB	69 dB	69 dB
	63 kg	65 kg	80 kg	82 kg	81 kg	83 kg
	NSYCUS2KUL	NSYCUS2K3P4UL	NSYCUS2K5UL	NSYCUS2K53P4UL	NSYCUS3K2UL	NSYCUS3K23P4UL

Thermal management system

Accessories

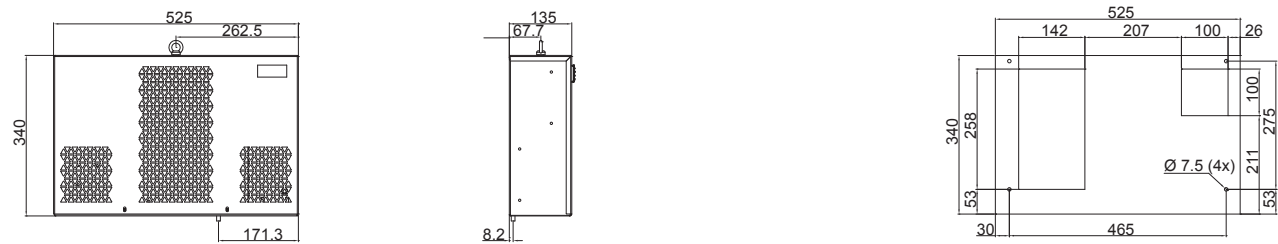
Characteristics	Cooling units IEC			Cooling units UL		
	Steel	Stainless steel	Outdoor	Steel	Stainless steel	
Material						
Colour						
Installation						
Supply						
References						
Cooling units						
Side-mounting models	NSYCU300H	-	-	-	-	
	NSYCU400	NSYCUX400	NSYCUHD400	NSYCU400UL	-	
	NSYCU600	NSYCUX600	NSYCUHD600	NSYCU600UL	NSYCUX600UL	
	NSYCU800	NSYCUX800	NSYCUHD800	NSYCU800UL	NSYCUX800UL	
	NSYCU1K	NSYCUX1K	NSYCUHD1K	NSYCU1KUL	NSYCUX1KUL	
	NSYCU1K2P4	NSYCUX1K2P4	NSYCUHD1K2P4	NSYCU1K2P4UL	NSYCUX1K2P4UL	
	NSYCU1K2	NSYCUX1K2	-	NSYCU1K2UL	NSYCUX1K2UL	
	NSYCU1K22P4	NSYCUX1K22P4	-	-	-	
	NSYCU1K6	NSYCUX1K6	NSYCUHD1K6	NSYCU1K6UL	NSYCUX1K6UL	
	NSYCU1K62P4	NSYCUX1K62P4	NSYCUHD1K62P4	NSYCU1K62P4UL	NSYCUX1K62P4UL	
	NSYCU2K	NSYCUX2K	-	NSYCU2KUL	NSYCUX2KUL	
	NSYCU2K3P4	NSYCUX2K3P4	NSYCUHD2K3P4	NSYCU2K3P4UL	NSYCUX2K3P4UL	
	NSYCU3K3P4	NSYCUX3K3P4	NSYCUHD3K3P4	NSYCU3K3P4UL	NSYCUX3K3P4UL	
	NSYCU4K3P4	NSYCUX4K3P4	NSYCUHD4K3P4	NSYCU4K3P4UL	NSYCUX4K3P4UL	
Floor-standing models	NSYCU6K3P4	-	-	-	-	
	NSYCU6K3P460	-	-	-	-	
	NSYCU8K3P4	-	-	-	-	
	NSYCU8K3P460	-	-	-	-	
	NSYCU10K3P4	-	-	-	-	
	NSYCU10K3P460	-	-	-	-	
	NSYCU15K3P4	-	-	-	-	
	NSYCU15K3P460	-	-	-	-	
Roof-mounting model	NSYCU400R	NSYCUX400R	-	NSYCU400RUL	-	
	NSYCU800R	NSYCUX800R	-	NSYCU800RUL	-	
	NSYCU1K2R	NSYCUX1K2R	-	NSYCU1K2RUL	-	
	NSYCU1K5R	NSYCUX1K5R	-	NSYCU1K5RUL	-	
	NSYCU2K3P4R	NSYCUX2K3P4R	-	NSYCU2K3P4RUL	-	
	NSYCU2KR	NSYCUX2KR	-	-	-	
	NSYCU3K3P4R	NSYCUX3K3P4R	-	NSYCU3K3P4RUL	-	
	NSYCU4K3P4R	NSYCUX4K3P4R	-	NSYCU4K3P4RUL	-	
Slim model	-	-	-	NSYCUS1K1UL	NSYCUSX1K1UL	
	-	-	-	NSYCUS1K12P4UL	NSYCUSX1K12P4UL	
	-	-	-	NSYCUS1K5UL	NSYCUSX1K5UL	
	-	-	-	NSYCUS1K52P4UL	NSYCUSX1K52P4UL	
	-	-	-	NSYCUS2KUL	NSYCUSX2KUL	
	-	-	-	NSYCUS2K3P4UL	NSYCUSX2K3P4UL	
	-	-	-	NSYCUS2K5UL	NSYCUSX2K5UL	
	-	-	-	NSYCUS2K53P4UL	NSYCUSX2K53P4UL	
	-	-	-	NSYCUS3K2UL	NSYCUSX3K2UL	
	-	-	-	NSYCUS3K23P4UL	NSYCUSX3K23P4UL	

Technical changes reserved. Information provided without guarantee. Images are for illustrative purposes only.

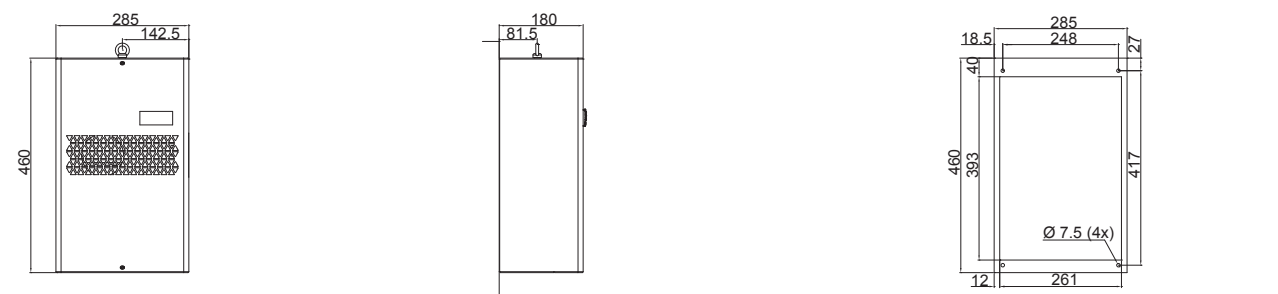
						
Filters			Canopy for ClimaSys CU	Internal deflector	Retrofit panel	
Plastic filter not recommended for outdoor models.		Metallic filter recommended for outdoor models.	This canopy is highly recommended for harsh indoor environments to protect from ingress of dust.	Deflects the air inside the enclosure.	Panel that enable to mount a new ClimaSys CU units by replacement of old Schneider Electric cooling systems.	
Polyurethane		Micro-stretched aluminium	Painted zinc coated	Zinc coated	Metal painted	
Black		-	RAL 7035 grey	RAL 7035 grey	RAL 7035 grey	
Indoor		Indoor or outdoor	Indoor	Indoor or outdoor	Indoor	
5 units		1 unit	1 unit	1 unit with fixing elements	1 unit	
						Old Schneider Electric cooling system
-	-	-	-	-	-	-
NSYCUF400	NSYCUFX400	NSYCUCN400HD	NSYCUD400	NSYCURFT400	NSYCU240W230VL NSYCU370W230VL	
NSYCUF600	NSYCUFX600	NSYCUCN600HD	NSYCUD600	-	-	
NSYCUF800T1K	NSYCUFX800T1K	NSYCUCN800T1KHD	NSYCUD800T1K	NSYCURFT800T1K	NSYCU760W230VL	
NSYCUF800T1K	NSYCUFX800T1K	NSYCUCN800T1KHD	NSYCUD800T1K	NSYCURFT800T1K	NSYCUE1100W230L	
NSYCUF800T1K	NSYCUFX800T1K	NSYCUCN800T1KHD	NSYCUD1K2T2K	NSYCURFT800T1K	NSYCU1K	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	-	-	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	-	-	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	NSYCURFT1K6T2K	NSYCUE1400W230L NSYCU1650W230VL	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	NSYCURFT1K6T2K	NSYCUE1400W400L	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	-	-	
NSYCUF1K2T2K	NSYCUFX1K2T2K	NSYCUCN1K2T2KHD	NSYCUD1K2T2K	NSYCURFT1K6T2K	NSYCU1800W400VL NSYCUE1800W400L	
NSYCUF3KT4K	NSYCUFX3KT4K	NSYCUCN3KT4KHD	NSYCUD3KT4K	NSYCURFT3KT4K	NSYCU2500W400VL	
NSYCUF3KT4K	NSYCUFX3KT4K	NSYCUCN3KT4KHD	NSYCUD3KT4K	NSYCURFT3KT4K	NSYCU4000W400VL	
NSYCUF6K	NSYCUFX6K	-	-	-	-	
NSYCUF6K	NSYCUFX6K	-	-	-	-	
NSYCUF8KT10K	NSYCUFX8KT10K	-	-	-	-	
NSYCUF8KT10K	NSYCUFX8KT10K	-	-	-	-	
NSYCUF8KT10K	NSYCUFX8KT10K	-	-	-	-	
NSYCUF8KT10K	NSYCUFX8KT10K	-	-	-	-	
NSYCUF15K	NSYCUFX15K	-	-	-	-	
NSYCUF15K	NSYCUFX15K	-	-	-	-	
NSYCUF400R	NSYCUFX400R	-	-	-	-	
NSYCUF800R	NSYCUFX800R	-	-	NSYCURFT800R	NSYCU760W230VR	
NSYCUF1K2T2KR	NSYCUFX1K2T2KR	-	-	NSYCURFT1K2T2K	NSYCU1050W230VR	
NSYCUF1K2T2KR	NSYCUFX1K2T2KR	-	-	NSYCURFT1K2T2K	NSYCUE1400W230R NSYCU1460W230VR NSYCU1650W230VR	
NSYCUF1K2T2KR	NSYCUFX1K2T2KR	-	-	NSYCURFT1K2T2K	NSYCUE1800W400R NSYCU2000W400VR	
NSYCUF1K2T2KR	NSYCUFX1K2T2KR	-	-	-	-	
NSYCUF3KT4KR	NSYCUFX3KT4KR	-	-	NSYCURFT3K	NSYCU2450W400VR NSYCU3100W400VR	
NSYCUF3KT4KR	NSYCUFX3KT4KR	-	-	-	-	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB1100W230S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB1100W400S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB1500W230S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB1500W400S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2200W230S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2200W400S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2700W230S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2700W400S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2700W230S	
NSYCUF1K1T2KS	NSYCUFX1K1T2KS	-	NSYCUD1K1T1K5	-	NSYCUB2700W400S	

Technical changes reserved. Information provided without guarantee. Images are for illustrative purposes only.

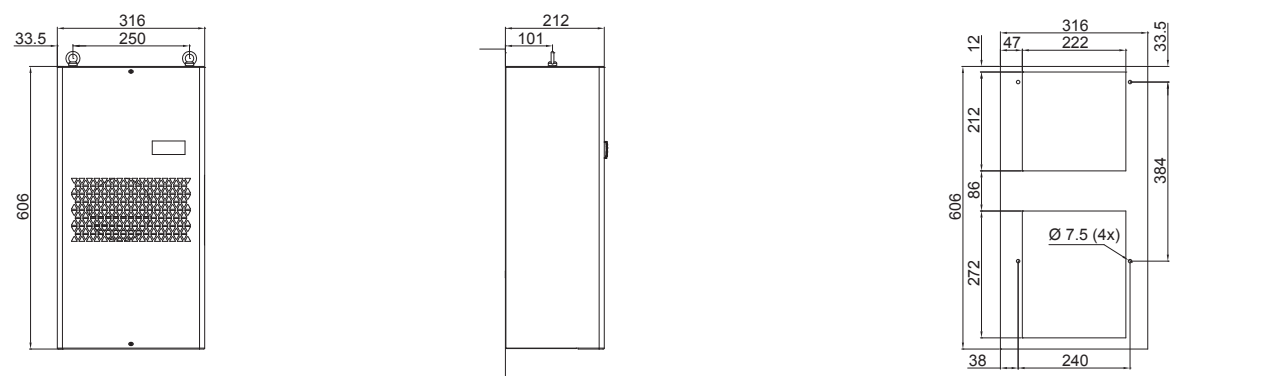
Side-mounting models: Dimensions and cut-outs



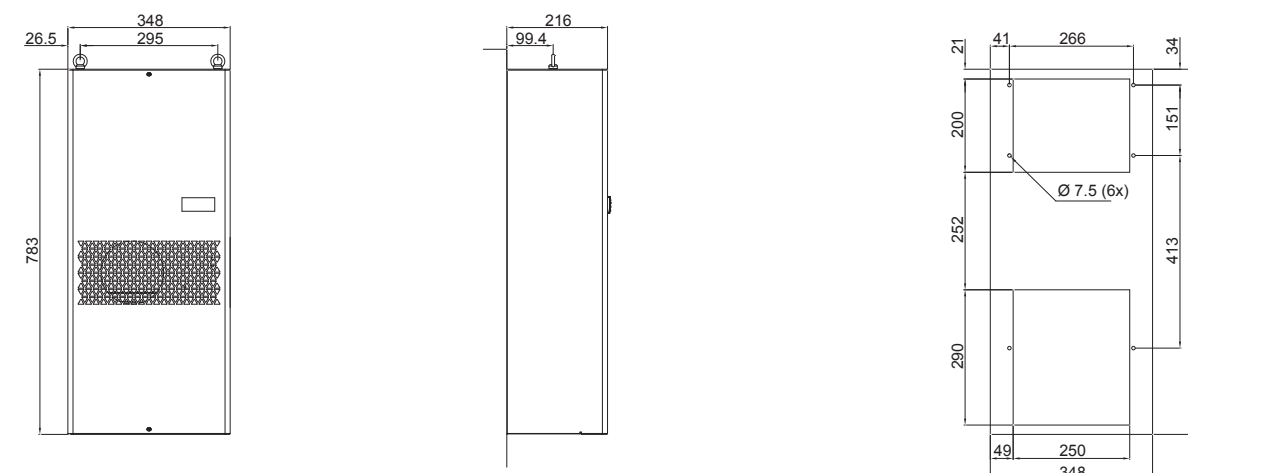
NSYCU300H



NSYCU400



NSYCU600



NSYCU800 - NSYCU1K

Units of measurement are mm

Technical changes reserved. Information provided without guarantee. Images are for illustrative purposes only.