

Condensers

# NEOSTAR



18 kW

1250 kW



Frigo-Bohm reserves itself the right to make changes of any time without preliminary notice - Photos non-contractual

EUROVENT  
CERTIFIED PERFORMANCE



CERTIFY ALL  
AIR COOLED CONDENSERS

FRIGA-BOHM

WWW

NEW !

The air cooled condenser units of the new NEOSTAR range are designed for refrigeration or air conditioning applications and outdoor installation. The 470 basic models cover a capacity range from 18 to 1250 kW.



## NOMENCLATURE ...

<b>PN</b> (Power Normal)	<b>PE 06D P16 B3</b>	Type of module
<b>PE</b> (Power Extra)		
<b>PU</b> (Power Ultra)		
<b>SN</b> (Silence Normal)	<b>SU 16Y P14 A2</b>	Number of fans
<b>SE</b> (Silence Extra)		
<b>SU</b> (Silence Ultra)		
Number of poles		Fan arrangement :
<b>D</b> = delta coupling		<b>L</b> : fans in line
<b>Y</b> = star coupling		<b>P</b> : fans in parallel

## DESCRIPTION ...

### HIGH-TECH HEAT EXCHANGER

- The NEOSTAR air cooled condenser units are equipped with a high-performance, finned coil composed of profiled aluminium fins crimped onto ribbed copper tubes.
- For this latest generation of condensers, the new optimised fins have been specially designed to improve performance, efficiency and compactness of the units.
- Special coil coatings are available (Vinyl protection (option BAE), Blygold Polual XT protection (BXT)) offering greater corrosion resistance when used in aggressive atmospheres.

### VENTILATION

- The NEOSTAR air cooled condenser range is equipped as standard with 2 speed external rotor fans units (star or delta coupling).
- The **Neostar Power** line is equipped with the following motor fan units:
  - Ø 910 mm: 06P (D/Y)= 890/685 rpm,
  - Ø 800 mm: (heavy-duty motor): 06P (D/Y)= 910/730 rpm,
  - Ø 800 mm: 06P (D/Y)= 895/685 rpm.
- The **Neostar Silence** line is equipped with the following motor fan units Ø 800 mm:
  - 08P (D/Y)= 660/ 515 rpm,
  - 12P (D/Y)= 435/ 330 rpm,
  - 16P (D/Y)= 360/255 rpm.
- These motors are of the type 400V, three-phase, 50Hz, sealed, IP54, class F, compliant with standard EN 60529 and permanently lubricated. If the temperature exceeds 60°C, consult us.
- The motor fan units are wired as standard and factory connected as follows:
  - One electrical box for the models L (motors connected in series),
  - Two electrical boxes for the models P (motors connected in parallel).
- **We are also able to deliver the units unwired upon request (option SCU).**
- The protection guards are compliant with standard NF EN 294.
- In the case of an installation with horizontal air flow, the predominant wind direction must be taken into consideration in order to avoid the risk of propeller damage (propeller turning in the wrong direction during stoppage periods) or difficult motor start up at low speed.
- EC type of motor fan units (MEC) is also optional available and enables optimised operation of your installation.
- Fans units with special voltage ratings:
  - M60: Fan motor 400 V/3/60Hz, IP54, class F, in version 06P Ø800mm
  - M26: Fan motor 230 V/3/60Hz, IP54, class F, in version 06P Ø800mm
  - M25: Fan motor 230 V/3/50Hz, IP54, class F, in version 06P and 12P Ø800mm

### CASING

- The casing is composed of galvanised sheet steel and pre-painted galvanized metal, colour grey RAL7035.
- The use of stainless steel screws guarantees excellent, long-lasting corrosion resistance (standard ISO 7253) and aesthetic quality.
- All components used have successfully passed the salt mist corrosion and Kesternich tests.
- The units are delivered screwed to a wooden base.

Note : A wider selection of models is available on our software package in order to better meet your needs.



# NEOSTAR



This NEOSTAR range is sub-divided into two product lines to better meet the needs expressed in the various application fields:

## neostar SILENCE

The "Silence" line is perfectly adapted to city centre commercial applications and all other applications where quiet operation is a key factor. In compliance with Eurovent standards the noise level at 10 metres is as low as 19 dB(A) per module !

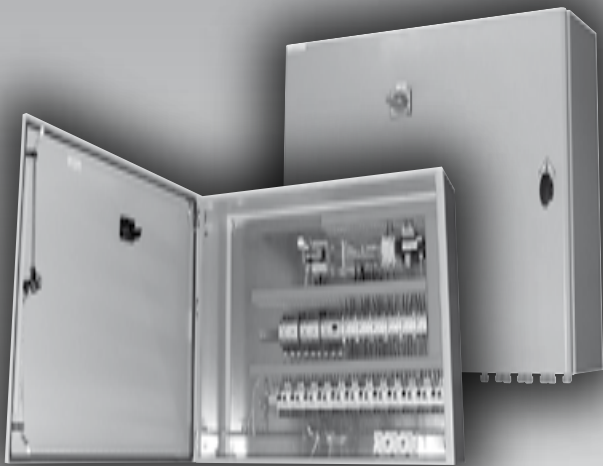
## neostar POWER

The "Power" line offers even more capacity. One unit can deliver up to 1250 kW.

An EC type motor fan option (MEC) is proposed for all these models in order to help reduce the energy impact of the user's installations. Indeed, use of this type of motor offers a very significant reduction in energy consumption for a given capacity. For this reason, the NEOSTAR range has been accorded the "E-Solution" label.



**Energy efficiency  
Reduced sound**



## OPTIONS ...

### COILS

<b>MCI</b>	Multi-circuits
<b>BXT</b>	Blygold Palud XT protection of fins: Consult us.
<b>BAE</b>	Vinyl protection of fins.

### FANS

<b>M60</b>	Motor fan unit 400 V/3/60Hz (consult us).
<b>M25</b>	Motor fan unit 230 V/3/50Hz (consult us).
<b>M26</b>	Motor fan unit 230 V/3/60Hz (consult us).
<b>MTH</b>	Motors equipped with overload thermostat. Recommended when the system could start very frequently (more than 30 starts per hour) or when used with a speed controller.
<b>IRP</b>	Main switch(es) per fan.
<b>C2V</b>	Factory wiring of 2 speeds into a common junction box.
<b>SCU</b>	Without factory wiring. To be indicated when ordering if the unwired condenser unit is required.

### CASING

<b>RAL</b>	Special colour.
<b>REH</b>	Legs extended by 240 mm (legs = 800 mm)
<b>RE2</b>	Legs extended by 840 mm (legs = 1400 mm)
<b>RE3</b>	Legs extended by 1340 mm (legs = 1900 mm)
<b>RE4</b>	Legs extended by 1840 mm (legs = 2400 mm)
<b>ECB</b>	Full crate.

## PROTECTION AND CONTROLS

<b>CMP</b>	Motor protection enclosure.
<b>RP1</b>	CMP + condensing pressure control with fan cycling.
<b>RP2</b>	CMP + condensing pressure control with speed variation (voltage).
<b>RP3</b>	CMP + condensing pressure control with speed variation (frequency).
<b>MEC</b>	Condensing pressure control with speed variation using electronic switching (EC) of motor.
<b>MSK</b>	Floor mounting kit.

## CERTIFICATIONS



**EUROVENT** : The performance published of our products are certified in conformity with european standards EN327.

**ISO 9001** : Our company is certified by LRQA to comply with quality standards ISO 9001 : 2000.

**ROHS - WEEE** : Our products are compliant with regards to european guideline 2002/95/CE and 2002/96/CE concerning electric and enlectronic components..

**CE** : Our products are in conformity with european guidelines.

**GOST** : Products in conformity with "GOST" agreement.

## PROTECTION AND CONTROLS

### CMP

- IP55 cabinet.
- Fault indication: One normally open contact (NO) and one normally closed contact (NC).
- A main switch
- One contactor per motor.
- Motor and supply packing glands.
- Wiring diagram.

### RP1

- All components of the CMP cabinet.
- Pressure switches.
- One pressure sensor with Schrader connector and shielded cable.

This cabinet is proposed as an optional extra fitted to the unit (floor support for those larger than 800 x 800) or supplied in kit form packaged separately. When delivered in kit form, the cable connecting the cabinet to the unit is provided by the installer. A support kit for floor mounting is available as an optional extra (MSK).

### RP2

- All components of the CMP cabinet.
- A voltage speed controller.
- Protection of the speed controller with fuses.
- Cabinet ventilation.
- One pressure sensor with Schrader connector and shielded cable.

This cabinet is proposed as an optional extra fitted to the unit (floor support for those larger than 800 x 800) or supplied in kit form packaged separately. When delivered not fitted, the cable connecting the cabinet to the unit is provided by the installer. A support kit for floor mounting is available as an optional extra.

#### Advantages:

- Price.

Remarks: This cabinet cannot be ordered separately for later installation. This control mode may generate noise at low rotation speeds. If the noise level is a key factor, give preference to the RP3 control system.

### RP3

- All components of the CMP cabinet.
- A frequency speed controller.
- Protection of the speed controller with fuses.
- Cabinet ventilation.
- One pressure sensor with Schrader connector and shielded cable.

This cabinet is proposed as an optional extra fitted to the unit (floor support for those larger than 800 x 800) or supplied in kit form packaged separately. When delivered in kit form, the cable connecting the cabinet to the unit is provided by the installer. It is recommendable to use a shielded cable.

A support kit for floor mounting is available as an optional extra.

#### Advantages:

- Low slip and therefore no motor heating.
- Simple programming adaptable to all types of processes.
- Fast installation.

## ELECTRONICALLY COMMUTED MOTORS (EC) ...

### MEC

- Electronically Commuted motors.
- IP 55 cabinet.

This option is always proposed with the controller wired:  
 - Motor power connections wired,  
 - The 0 - 10V circuit wired (between motor and cabinet),  
 - The "motor fault" indicator wired to the electrical enclosure.

In addition to the standard elements proposed above, additional elements are also available (consult us):

- Serial bus wiring of motors with addressing of the motor fan units,
- Serial bus wiring of motors with addressing of the motor fan units and setting of max. speed parameter,
- Setting of day/night operation parameters,
- Emergency back-up operation possible.

#### Advantages:

- Extremely low power consumption.
- Very low noise level.
- Long working life of motors (no friction).
- Rotation speed may be reduced to zero.
- Integrated motor protection.

NEOSTAR POWER .. L



Models		PE 06D L01 A1	PU 06D L01 A1	PN 06D L01 A2	PE 06D L01 A2	PU 06D L01 A2	PE 06D L01 B2	PU 06D L01 B2	PE 06D L01 B3	PE 06D L01 D2	PU 06D L01 B3	PU 06D L01 D2	PN 06D L02 A1	PE 06D L02 A1	PU 06D L02 A1	PU 06D L01 D3
Capacity (1)	DT1 = 15K kW	40,9	43,4	50,2	52,1	55,5	60,5	65,1	68,5	71,5	74,0	77,5	78,4	81,7	86,8	88,4
Surface	m <sup>2</sup>	67	67	101	101	101	126	126	168	168	168	168	135	135	135	224
Circuit volume	dm <sup>3</sup>	9	9	14	14	14	17	17	23	23	23	23	18	18	18	31
Air flow	m <sup>3</sup> /h	21077	23930	17703	18955	21310	20878	23688	19388	22713	21853	25922	38570	42154	47860	24640
Acoustic	Lp (2) dB(A)	53	56	48	53	56	53	56	53	53	56	56	51	56	59	56
	Lw dB(A)	85	88	80	85	88	85	88	85	85	88	88	83	88	91	88
Fans	Num. x Ø	1 X 800	1 X 910	1 X 800	1 X 800	1 X 910	1 X 800	1 X 910	1 X 800	1 X 800	1 X 910	1 X 910	2 X 800	2 X 800	2 X 910	1 X 910
Motors (3)	W tot.	2277	2258	1698	2362	2373	2285	2269	2345	2219	2350	2165	3233	4553	4516	2226
Energy efficiency class		E	E	E	E	E	E	E	E	D	D	D	E	E	E	D
Overall length	mm	1512	1512	1512	1512	1512	1842	1842	1842	2312	1842	2312	2712	2712	2712	2312
Net weight	kg	151	153	162	162	164	181	183	196	208	198	210	255	255	259	228

Models		PE 06D L02 B1	PN 06D L02 A2	PE 06D L02 A2	PU 06D L02 A2	PE 06D L02 D1	PN 06D L02 B2	PE 06D L02 B2	PU 06D L02 D1	PU 06D L02 B2	PE 06D L02 B3	PU 06D L02 B3	PU 06D L02 D2	PE 06D L03 A2	PU 06D L02 B4	PU 06D L03 A2
Capacity (1)	DT1 = 15K kW	95,3	100,3	104,2	111,0	112,6	115,1	121,1	121,2	130,3	137,0	148,1	154,9	156,3	156,5	166,5
Surface	m <sup>2</sup>	168	202	202	202	224	252	252	224	252	336	336	336	303	420	303
Circuit volume	dm <sup>3</sup>	23	28	28	28	31	35	35	31	35	46	46	46	42	58	42
Air flow	m <sup>3</sup> /h	45014	35407	37911	42620	47692	38273	41757	54675	47376	38776	43706	51845	56866	40310	63929
Acoustic	Lp (2) dB(A)	56	51	56	59	56	51	56	59	59	56	59	59	58	59	61
	Lw dB(A)	88	83	88	91	88	83	88	91	91	88	91	91	90	91	93
Fans	Num. x Ø	2 X 800	2 X 800	2 X 800	2 X 910	2 X 800	2 X 800	2 X 800	2 X 910	2 X 910	2 X 800	2 X 910	2 X 910	3 X 800	2 X 910	3 X 910
Motors (3)	W tot.	4452	3396	4724	4746	4334	3249	4569	4181	4538	4689	4699	4329	7086	4830	7119
Energy efficiency class		E	E	E	E	E	D	E	E	E	E	D	D	E	D	E
Overall length	mm	3342	2712	2712	2712	4312	3342	3342	4312	3342	3342	3342	4312	3912	3342	3912
Net weight	kg	283	276	276	280	339	309	309	343	313	337	341	378	396	369	402

Models		PN 06D L03 B2	PU 06D L02 D3	PE 06D L03 B2	PU 06D L03 B2	PN 06D L04 A2	PE 06D L03 B3	PE 06D L04 A2	PE 06D L03 D2	PU 06D L03 B3	PN 06D L04 B2	PU 06D L03 D2	PU 06D L03 B4	PE 06D L04 B2	PU 06D L04 A3
Capacity (1)	DT1 = 15K kW	172,7	176,7	181,6	195,4	200,6	205,4	208,4	214,5	222,1	230,2	232,4	234,7	242,1	248,8
Surface	m <sup>2</sup>	378	448	378	378	404	505	404	505	505	505	505	631	505	538
Circuit volume	dm <sup>3</sup>	52	62	52	52	55	69	55	69	69	69	69	87	69	74
Air flow	m <sup>3</sup> /h	57409	49280	62635	71064	70814	58164	75822	68138	65558	76546	77767	60466	83513	76090
Acoustic	Lp (2) dB(A)	53	59	58	61	54	58	59	58	61	54	61	61	59	62
	Lw dB(A)	85	91	90	93	86	90	91	93	93	86	93	93	91	94
Fans	Num. x Ø	3 X 800	2 X 910	3 X 800	3 X 910	4 X 800	3 X 800	4 X 800	3 X 800	3 X 910	4 X 800	3 X 910	3 X 910	4 X 800	4 X 910
Motors (3)	W tot.	4873	4452	6854	6807	6792	7034	9448	6656	7049	6498	6494	7245	9139	9813
Energy efficiency class		D	D	E	E	E	E	E	D	D	D	D	D	E	E
Overall length	mm	4842	4312	4842	4842	5112	4842	5112	6312	4842	6342	6312	4842	6342	5112
Net weight	kg	450	413	450	456	508	488	508	540	494	579	546	534	579	558

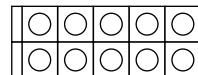
Models		PU 06D L04 B2	PU 06D L03 D3	PU 06D L05 A2	PE 06D L04 D2	PU 06D L04 B3	PE 06D L05 B2	PU 06D L04 D2	PU 06D L05 B2	PE 06D L06 A2	PU 06D L05 B3	PU 06D L04 D3	PU 06D L05 B3	PU 06D L06 A3	PU 06D L05 B4
Capacity (1)	DT1 = 15K kW	260,5	265,1	277,5	286,1	296,1	302,7	309,9	325,7	333,0	342,4	353,5	370,2	373,2	391,2
Surface	m <sup>2</sup>	505	673	505	673	673	631	673	631	605	841	897	841	807	1051
Circuit volume	dm <sup>3</sup>	69	92	69	92	92	87	92	87	83	115	123	115	111	144
Air flow	m <sup>3</sup> /h	94752	73920	106549	90851	87411	104392	103690	118440	127859	96940	98560	109264	114135	100776
Acoustic	Lp (2) dB(A)	62	61	63	59	62	60	62	63	64	60	62	63	64	63
	Lw dB(A)	94	93	95	91	94	92	94	95	96	92	94	95	96	95
Fans	Num. x Ø	4 X 910	3 X 910	5 X 910	4 X 800	4 X 910	5 X 800	4 X 910	5 X 910	6 X 910	5 X 800	4 X 910	5 X 910	6 X 910	5 X 910
Motors (3)	W tot.	9076	6679	11865	8874	9398	11424	8658	11345	14238	11723	8905	11748	14719	12075
Energy efficiency class		E	D	E	D	D	E	D	E	E	E	D	D	E	D
Overall length	mm	6342	6312	6312	8312	6342	7842	8312	7842	7512	7842	8312	7842	7512	7842
Net weight	kg	587	598	641	711	639	725	719	735	763	793	792	803	828	867

PN06D : 400 V/3/50 Hz - 2000 W max. - 4,30 A max (4)     PE06D : 400 V/3/50 Hz - 2180 W max. - 5,17 A max (4)     PU06D : 400 V/3/50 Hz - 2450 W max. - 5,20 A max (4)  
 PN06Y : 400 V/3/50 Hz - 1270 W max. - 2,50 A max (4)     PE06Y : 400 V/3/50 Hz - 1470 W max. - 2,80 A max (4)     PU06Y : 400 V/3/50 Hz - 1560 W max. - 2,90 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft. 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent at the condenser inlet.
- (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only. Values measured under normal working conditions with a clean coil at nominal voltage.
- (3) Power required for all motors.
- (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Low-speed wiring (06Y): refer to our selection software.



NEOSTAR POWER .. P

Table with 19 columns (Models, DT1 = 15K, kW, m2, dm3, m3/h, dB(A), Num. x Ø, W tot., E, D, mm, kg) and 19 rows of technical specifications for various models.

Table with 19 columns (Models, DT1 = 15K, kW, m2, dm3, m3/h, dB(A), Num. x Ø, W tot., D, E, mm, kg) and 19 rows of technical specifications for various models.

Table with 19 columns (Models, DT1 = 15K, kW, m2, dm3, m3/h, dB(A), Num. x Ø, W tot., E, D, mm, kg) and 19 rows of technical specifications for various models.

Table with 19 columns (Models, DT1 = 15K, kW, m2, dm3, m3/h, dB(A), Num. x Ø, W tot., E, D, mm, kg) and 19 rows of technical specifications for various models.

Table with 19 columns (Models, DT1 = 15K, kW, m2, dm3, m3/h, dB(A), Num. x Ø, W tot., E, D, mm, kg) and 19 rows of technical specifications for various models.

PN06D : 400 V/3/50 Hz - 2000 W max. - 4.30 A max (4) PE06D : 400 V/3/50 Hz - 2180 W max. - 5.17 A max (4) PU06D : 400 V/3/50 Hz - 2450 W max. - 5.20 A max (4)
PN06Y : 400 V/3/50 Hz - 1270 W max. - 2.50 A max (4) PE06Y : 400 V/3/50 Hz - 1470 W max. - 2.80 A max (4) PU06Y : 400 V/3/50 Hz - 1560 W max. - 2.90 A max (4)

! Low-speed wiring (06Y): refer to our selection software.

## NEOSTAR SILENCE - SN .. L



Models			SN 08Y L01 B1	SN 08D L01 A1	SN 08D L01 B1	SN 08Y L01 D1	SN 08Y L01 B2	SN 08D L01 A2	SN 08Y L01 D2	SN 08D L01 B2	SN 08D L01 B3	SN 08D L01 D2	SN 08Y L02 A1	SN 08D L01 D3	SN 08Y L02 B1	SN 08D L02 A1
Capacity (1)	DT1 = 15K	kW	33,5	33,7	38,5	39,3	40,2	41,7	46,9	47,7	52,7	55,2	58,7	60,7	67,1	67,4
Surface		m <sup>2</sup>	84	67	84	112	126	101	168	126	168	168	135	224	168	135
Circuit volume		dm <sup>3</sup>	12	9	12	15	17	14	23	17	23	23	18	31	23	18
Air flow		m <sup>3</sup> /h	11874	14223	15065	12716	10888	12969	12001	14107	13231	15188	22014	14564	23748	28446
Acoustic	Lp (2)	dB(A)	35	40	40	35	35	40	35	40	40	40	38	40	38	43
	Lw	dB(A)	67	72	72	67	67	72	67	72	72	72	70	72	70	75
Fans	Ø 800	Num.	1	1	1	1	1	1	1	1	1	1	2	1	2	2
Motors (3)		W tot.	522	807	785	511	531	843	520	811	835	782	1060	798	1043	1615
Energy efficiency class			C	D	C	B	B	C	B	C	C	B	C	B	C	D
Overall length		mm	1842	1512	1842	2312	1842	1512	2312	1842	1842	2312	2712	2312	3342	2712
Net weight		kg	167	151	167	188	181	162	208	181	196	208	255	226	283	255

Models			SN 08Y L02 A2	SN 08D L02 B1	SN 08Y L02 B2	SN 08D L02 A2	SN 08Y L03 A1	SN 08Y L02 D2	SN 08D L02 B2	SN 08Y L03 B1	SN 08Y L02 D3	SN 08D L03 A1	SN 08Y L03 A2	SN 08D L02 B3	SN 08D L02 D2	SN 08D L03 B1
Capacity (1)	DT1 = 15K	kW	69,3	77,0	80,4	83,4	88,0	93,8	95,5	100,6	100,8	101,1	104,0	105,3	110,4	115,6
Surface		m <sup>2</sup>	202	168	252	202	336	252	252	448	202	303	336	336	336	252
Circuit volume		dm <sup>3</sup>	28	23	35	28	28	46	35	35	62	28	42	46	46	35
Air flow		m <sup>3</sup> /h	19476	30130	21776	25938	33021	24001	28215	35621	22717	42669	29213	26462	30377	45194
Acoustic	Lp (2)	dB(A)	38	43	38	43	40	38	43	40	38	45	40	43	43	45
	Lw	dB(A)	70	75	70	75	72	70	75	72	70	77	72	75	75	77
Fans	Ø 800	Num.	2	2	2	2	3	2	2	3	2	3	3	2	2	3
Motors (3)		W tot.	1087	1570	1063	1685	1591	1041	1621	1565	1054	2422	1630	1671	1563	2355
Energy efficiency class			C	C	B	C	C	B	C	C	B	D	C	C	B	C
Overall length		mm	2712	3342	3342	2712	3912	4312	3342	4842	4312	3912	3912	3342	4312	4842
Net weight		kg	276	283	309	276	366	374	309	412	409	366	396	337	374	412

Models			SN 08Y L04 A1	SN 08Y L03 B2	SN 08D L03 A2	SN 08Y L04 B1	SN 08D L04 A1	SN 08Y L04 A2	SN 08Y L03 D2	SN 08D L03 B2	SN 08Y L05 A1	SN 08D L04 B1	SN 08Y L04 B2	SN 08D L04 A2	SN 08Y L05 A2
Capacity (1)	DT1 = 15K	kW	117,3	120,6	125,2	134,1	134,8	138,7	140,7	143,2	146,7	154,1	160,8	166,9	173,4
Surface		m <sup>2</sup>	269	378	303	336	269	404	505	378	336	336	505	404	505
Circuit volume		dm <sup>3</sup>	37	52	42	46	37	55	69	52	46	46	69	55	69
Air flow		m <sup>3</sup> /h	44028	32664	38907	47495	56893	38951	36002	42322	55035	60259	43552	51876	48689
Acoustic	Lp (2)	dB(A)	41	40	45	41	46	41	40	45	42	46	41	46	42
	Lw	dB(A)	73	72	77	73	78	73	72	77	74	78	73	78	74
Fans	Ø 800	Num.	4	3	3	4	4	4	3	3	5	4	4	4	5
Motors (3)		W tot.	2121	1594	2528	2087	3230	2174	1561	2432	2651	3140	2126	3371	2717
Energy efficiency class			C	B	C	C	D	C	B	C	C	C	B	C	C
Overall length		mm	5112	4842	3912	6342	5112	5112	6312	4842	6312	6342	6342	5112	6312
Net weight		kg	468	450	396	528	468	508	540	450	579	528	579	508	631

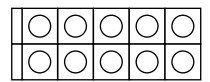
Models			SN 08Y L06 A1	SN 08D L04 A3	SN 08Y L04 D2	SN 08D L04 B2	SN 08Y L05 B2	SN 08Y L06 A2	SN 08D L05 A2	SN 08Y L05 B3	SN 08D L04 D2	SN 08D L05 B2	SN 08D L06 A2	SN 08D L05 B3	SN 08D L06 A3
Capacity (1)	DT1 = 15K	kW	176,0	182,4	187,6	190,9	200,9	208,0	208,6	213,9	220,7	238,6	250,3	263,3	273,6
Surface		m <sup>2</sup>	404	538	673	505	631	605	505	841	673	631	605	841	807
Circuit volume		dm <sup>3</sup>	55	74	92	69	87	83	69	115	92	87	83	115	111
Air flow		m <sup>3</sup> /h	66042	47284	48003	56430	54439	58427	64846	49983	60754	70537	77815	66154	70926
Acoustic	Lp (2)	dB(A)	43	46	41	46	42	43	47	42	46	47	48	47	48
	Lw	dB(A)	75	78	73	78	74	75	79	74	78	79	80	79	80
Fans	Ø 800	Num.	6	4	4	4	5	6	5	5	4	5	6	5	6
Motors (3)		W tot.	3181	3503	2082	3243	2657	3261	4214	2704	3127	4053	5056	4177	5255
Energy efficiency class			C	C	B	C	B	C	C	B	B	C	C	C	C
Overall length		mm	7512	5112	8312	6342	7842	7512	6312	7842	8312	7842	7512	7842	7512
Net weight		kg	690	550	711	579	725	751	631	793	711	725	751	793	816

SN08D : 400 V/3/50 Hz - 980 W max. - 2,45 A max (4)

SN08Y : 400 V/3/50 Hz - 570 W max. - 1,21 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.  
 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent at the condenser inlet.  
 (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only.  
 Values measured under normal working conditions with a clean coil at nominal voltage.  
 (3) Power required for all motors.  
 (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



## NEOSTAR SILENCE - SN .. P

Models		SN 08Y P02 A1	SN 08Y P02 B1	SN 08D P02 A1	SN 08D P02 B1	SN 08Y P02 D1	SN 08D P02 A2	SN 08D P02 D1	SN 08Y P02 D2	SN 08D P02 B2	SN 08D P02 D2	SN 08Y P04 A1	SN 08D P02 D3	SN 08D P04 A1	SN 08Y P04 A2	SN 08D P04 B1
Capacity (1)	DT1 = 15K kW	58,7	67,1	67,4	77,0	78,6	83,4	90,0	93,8	95,5	110,4	117,3	121,5	134,8	138,7	154,1
Surface	m2	135	168	135	168	224	202	224	336	252	336	269	448	269	404	336
Circuit volume	dm3	18	23	18	23	31	28	31	46	35	46	37	62	37	55	46
Air flow	m3/h	22014	23748	28446	30130	25431	25938	31780	24001	28215	30377	44028	29129	56893	38951	60259
Acoustic	Lp (2) dB(A)	38	38	43	43	38	43	43	38	43	43	41	43	46	41	46
	Lw dB(A)	70	70	75	75	70	75	75	70	75	75	73	75	78	73	78
Fans	∅ 800 Num.	2	2	2	2	2	2	2	2	2	2	4	2	4	4	4
Motors (3)	W tot.	1060	1043	1615	1570	1023	1685	1526	1041	1621	1563	2121	1596	3230	2174	3140
Energy efficiency class		C	C	D	C	B	C	C	B	C	B	C	B	D	C	C
Overall length	mm	1512	1842	1512	1842	2312	1512	2312	2312	1842	2312	2712	2312	2712	2712	3342
Net weight	kg	269	293	269	293	318	291	318	358	323	358	468	393	468	510	513

Models		SN 08Y P04 B2	SN 08D P04 A2	SN 08Y P06 A1	SN 08D P04 A3	SN 08Y P04 D2	SN 08D P04 B2	SN 08Y P06 B1	SN 08D P06 A1	SN 08D P06 A2	SN 08Y P04 B3	SN 08D P04 D2	SN 08Y P06 B1	SN 08D P08 A1	SN 08Y P06 B2	SN 08D P06 A2
Capacity (1)	DT1 = 15K kW	160,8	166,9	176,0	182,4	187,6	190,9	201,2	202,2	208,0	210,7	220,7	231,1	234,7	241,1	250,3
Surface	m2	505	404	404	538	673	505	505	404	605	673	673	505	538	757	605
Circuit volume	dm3	69	55	55	74	92	69	69	55	83	92	92	69	74	104	83
Air flow	m3/h	43552	51876	66042	47284	48003	56430	71243	85339	58427	52923	60754	90389	88056	65327	77815
Acoustic	Lp (2) dB(A)	41	46	43	46	41	46	43	48	43	46	46	48	44	43	48
	Lw dB(A)	73	78	75	78	73	78	75	80	75	78	78	80	76	75	80
Fans	∅ 800 Num.	4	4	6	4	4	4	6	6	6	4	4	6	8	6	6
Motors (3)	W tot.	2126	3371	3181	3503	2082	3243	3130	4845	3261	3342	3127	4709	4242	3189	5056
Energy efficiency class		B	C	C	C	B	C	C	D	C	C	B	C	C	B	C
Overall length	mm	3342	2712	3912	2712	4312	3342	4842	3912	3912	3342	4312	4842	5112	4842	3912
Net weight	kg	564	510	673	553	646	564	738	673	735	618	646	738	869	815	735

Models		SN 08Y P08 B1	SN 08D P08 A1	SN 08D P06 A3	SN 08Y P08 A2	SN 08Y P06 D2	SN 08Y P10 A1	SN 08D P06 D3	SN 08D P08 B1	SN 08D P06 B3	SN 08Y P08 B2	SN 08D P08 A2	SN 08Y P10 B1	SN 08D P10 A2	SN 08Y P12 A1	SN 08D P08 A3
Capacity (1)	DT1 = 15K kW	268,3	269,6	273,6	277,4	281,4	293,3	302,3	308,1	316,0	321,5	333,7	335,4	346,7	352,0	364,8
Surface	m2	673	538	807	807	1009	673	1345	673	1009	1009	807	841	1009	807	1076
Circuit volume	dm3	92	74	111	111	138	92	185	92	138	138	111	115	138	111	148
Air flow	m3/h	94990	113785	70926	77902	72004	110070	68152	120519	79385	87103	103753	118738	97378	132084	94568
Acoustic	Lp (2) dB(A)	44	49	48	44	43	45	43	49	48	44	49	45	45	46	49
	Lw dB(A)	76	81	80	76	75	77	75	81	80	76	81	77	77	78	81
Fans	∅ 800 Num.	8	8	6	8	6	10	6	8	6	8	8	10	10	12	8
Motors (3)	W tot.	4174	6459	5255	4348	3123	5302	3161	6279	5013	4252	6742	5217	5435	6363	7006
Energy efficiency class		C	D	C	C	B	C	B	C	C	B	C	C	C	C	C
Overall length	mm	6342	5112	3912	5112	6312	6312	6312	6342	4842	6342	5112	7842	6312	7512	5112
Net weight	kg	955	869	799	950	934	1075	1042	955	894	1057	950	1188	1178	1281	1035

Models		SN 08Y P08 B2	SN 08D P08 B2	SN 08Y P10 B2	SN 08Y P12 A2	SN 08D P10 A2	SN 08Y P12 A3	SN 08D P08 D2	SN 08D P10 A3	SN 08D P10 B2	SN 08Y P12 B2	SN 08D P12 A2	SN 08Y P12 B3	SN 08D P10 B3	SN 08Y P16 B1	SN 08D P12 A3
Capacity (1)	DT1 = 15K kW	375,2	381,8	401,9	416,0	417,2	435,3	441,4	456,0	477,3	482,3	500,6	513,3	526,7	536,6	547,2
Surface	m2	1345	1009	1261	1211	1009	1615	1345	1345	1261	1514	1211	2018	1682	1346	1615
Circuit volume	dm3	185	138	173	166	138	221	185	185	173	208	166	277	231	185	221
Air flow	m3/h	96005	112859	108879	116853	129691	104151	121507	118210	141074	130655	155629	119959	132308	189980	141853
Acoustic	Lp (2) dB(A)	44	49	45	46	50	46	49	50	50	46	51	46	50	47	51
	Lw dB(A)	76	81	77	78	82	78	81	82	82	78	83	78	82	79	83
Fans	∅ 800 Num.	8	8	10	12	10	12	8	10	10	12	12	12	10	16	12
Motors (3)	W tot.	4164	6486	5315	6521	8427	6654	6254	8758	8107	6378	10113	6490	8354	8347	10509
Energy efficiency class		B	C	B	C	C	C	B	C	C	B	C	B	C	C	C
Overall length	mm	8312	6342	7842	7512	6312	7512	8312	6312	7842	9342	7512	9342	7842	12342	7512
Net weight	kg	1228	1057	1317	1403	1178	1534	1228	1289	1317	1571	1403	1732	1454	1874	1534

Models		SN 08Y P14 B2	SN 08D P12 B2	SN 08D P14 A2	SN 08Y P14 B3	SN 08D P16 B1	SN 08D P12 B3	SN 08Y P16 B2	SN 08D P14 B2	SN 08Y P16 B3	SN 08D P16 A3	SN 08D P14 B3	SN 08D P16 B2	SN 08D P16 B3	SN 08D P16 B3	SN 08D P16 B4
Capacity (1)	DT1 = 15K kW	562,6	572,7	584,1	598,9	616,3	632,0	643,0	668,2	684,4	729,7	737,3	763,7	842,6	876,4	
Surface	m2	1766	1514	1413	2355	1346	2018	2018	1766	2691	2153	2355	2018	2691	3364	
Circuit volume	dm3	242	208	194	323	185	277	277	242	369	295	323	277	369	461	
Air flow	m3/h	152430	169289	181568	139952	241037	158770	174206	197504	159945	189137	185232	225719	211693	198423	
Acoustic	Lp (2) dB(A)	46	51	51	46	52	51	47	51	47	52	51	52	52	52	
	Lw dB(A)	78	83	83	78	84	83	79	83	79	84	83	84	84	84	
Fans	∅ 800 Num.	14	12	14	14	16	12	16	14	16	16	14	16	16	16	
Motors (3)	W tot.	7441	9728	11798	7572	12559	10025	8504	11350	8654	14012	11696	12971	13367	13737	
Energy efficiency class		B	C	C	B	C	C	B	C	B	C	C	C	C	C	
Overall length	mm	10842	9342	8712	10842	12342	9342	12342	10842	12342	9912	10842	12342	12342	12342	
Net weight	kg	1833	1571	1603	2011	1874	1732	2078	1833	2280	1931	2011	2078	2280	2484	

SN08D : 400 V/3/50 Hz - 980 W max. - 2.45 A max (4)

SN08Y : 400 V/3/50 Hz - 570 W max. - 1.21 A max (4)

(1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.

(2) 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent of the condenser inlet.

(3) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only.

Values measured under normal working conditions with a clean coil at nominal voltage.

(4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## NEOSTAR SILENCE - SE .. L



Models		SE 16D L01 A1	SE 12D L01 A1	SE 16D L01 B1	SE 12D L01 B1	SE 16D L01 B2	SE 12D L01 D1	SE 16D L01 D2	SE 12D L01 D2	SE 16D L02 A1	SE 12D L02 A1	SE 16D L02 B1	SE 12D L02 B1
Capacity (1)	DT1 = 15K kW	23,5	26,1	26,7	29,5	30,8	34,3	35,5	40,1	47,0	52,2	53,5	59,1
Surface	m <sup>2</sup>	67	67	84	84	126	112	168	168	135	135	168	168
Circuit volume	dm <sup>3</sup>	9	9	12	12	17	15	23	23	18	18	23	23
Air flow	m <sup>3</sup> /h	7599	9023	8203	9650	7517	10287	8292	9744	15198	18045	16406	19300
Acoustic	Lp (2) dB(A)	28	32	28	32	28	32	28	32	31	35	31	35
	Lw dB(A)	60	64	60	64	60	64	60	64	63	67	63	67
Fans	∅ 800 Num.	1	1	1	1	1	1	1	1	2	2	2	2
Motors (3)	W tot.	209	320	205	312	210	303	204	311	419	641	410	624
Energy efficiency class		A	B	A	B	A	A	A	A	A	B	A	B
Overall length	mm	1512	1512	1842	1842	1842	2312	2312	2312	2712	2712	3342	3342
Net weight	kg	151	151	167	167	181	188	208	208	255	255	283	283

Models		SE 16D L02 B2	SE 12D L02 B2	SE 16D L03 A1	SE 12D L03 A1	SE 12D L02 D2	SE 16D L03 B1	SE 12D L02 D3	SE 12D L03 B1	SE 12D L03 A2	SE 16D L03 B2	SE 16D L04 A1
Capacity (1)	DT1 = 15K kW	61,6	69,8	70,4	78,3	80,1	80,2	84,9	88,6	91,5	92,4	93,9
Surface	m <sup>2</sup>	252	252	202	202	336	252	448	252	303	378	269
Circuit volume	dm <sup>3</sup>	35	35	28	28	46	35	62	35	42	52	37
Air flow	m <sup>3</sup> /h	15034	17876	22797	27068	19487	24609	18549	28950	24371	22551	30396
Acoustic	Lp (2) dB(A)	31	35	33	37	35	33	35	37	37	33	34
	Lw dB(A)	63	67	65	69	67	65	67	69	69	65	66
Fans	∅ 800 Num.	2	2	3	3	2	3	2	3	3	3	4
Motors (3)	W tot.	420	643	628	961	621	615	634	936	985	630	838
Energy efficiency class		A	B	A	B	A	A	A	B	B	A	A
Overall length	mm	3342	3342	3912	3912	4312	4842	4312	4842	3912	4842	5112
Net weight	kg	309	309	366	366	374	412	409	412	396	450	468

Models		SE 12D L04 A1	SE 12D L03 B2	SE 16D L03 D2	SE 16D L04 B1	SE 16D L05 A1	SE 12D L04 B1	SE 12D L03 D2	SE 12D L04 A2	SE 16D L04 B2	SE 12D L05 A1	SE 16D L05 B1
Capacity (1)	DT1 = 15K kW	104,4	104,7	106,6	107,0	117,4	118,2	120,2	122,0	123,3	130,6	133,7
Surface	m <sup>2</sup>	269	378	505	336	336	336	505	404	505	336	420
Circuit volume	dm <sup>3</sup>	37	52	69	46	46	46	69	55	69	46	58
Air flow	m <sup>3</sup> /h	36091	26814	24875	32811	37996	38599	29231	32495	30068	45114	41014
Acoustic	Lp (2) dB(A)	38	37	33	34	35	38	37	38	34	39	35
	Lw dB(A)	70	69	65	66	67	70	69	70	66	71	67
Fans	∅ 800 Num.	4	3	3	4	5	4	3	4	4	5	5
Motors (3)	W tot.	1281	964	613	821	1047	1247	932	1314	840	1601	1026
Energy efficiency class		B	B	A	A	A	B	A	B	A	B	A
Overall length	mm	5112	4842	6312	6342	6312	6342	6312	5112	6342	6312	7842
Net weight	kg	468	450	540	528	579	528	540	508	579	579	661

Models		SE 12D L04 B2	SE 16D L06 A1	SE 16D L04 D2	SE 12D L05 B1	SE 12D L05 A2	SE 16D L05 B2	SE 12D L06 A1	SE 16D L06 A2	SE 12D L04 D2	SE 12D L05 B2	SE 12D L06 A2
Capacity (1)	DT1 = 15K kW	139,6	140,9	142,1	147,7	152,5	154,1	156,7	160,1	160,3	174,5	183,0
Surface	m <sup>2</sup>	505	404	673	420	505	631	404	605	673	631	605
Circuit volume	dm <sup>3</sup>	69	55	92	58	69	87	55	83	92	87	83
Air flow	m <sup>3</sup> /h	35752	45595	33167	48249	40619	37585	54136	40437	38975	44690	48743
Acoustic	Lp (2) dB(A)	38	36	34	39	39	35	40	36	38	39	40
	Lw dB(A)	70	68	66	71	71	67	72	68	70	71	72
Fans	∅ 800 Num.	4	6	4	5	5	5	6	6	4	5	6
Motors (3)	W tot.	1286	1257	818	1559	1642	1050	1922	1285	1242	1607	1970
Energy efficiency class		B	A	A	B	B	A	B	A	A	B	B
Overall length	mm	6342	7512	8312	7842	6312	7842	7512	7512	8312	7842	7512
Net weight	kg	579	690	711	661	631	725	690	751	711	725	751

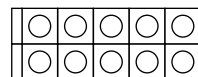
SE12D : 400 V/3/50 Hz - 370 W max. - 1,15 A max (4)

SE16D : 400 V/3/50 Hz - 235 W max. - 0,65 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.  
 "DT1" represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent of the condenser inlet.  
 (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only.  
 Values measured under normal working conditions with a clean coil at nominal voltage.  
 (3) Power required for all motors.  
 (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○





**NEOSTAR SILENCE - SE .. P**

Models		SE 16D P02 A1	SE 12D P02 A1	SE 16D P02 B1	SE 12D P02 B1	SE 16D P02 D1	SE 12D P02 D1	SE 16D P02 D2	SE 12D P02 D2	SE 16D P04 A1	SE 12D P04 A1	SE 16D P04 B1	SE 12D P04 B1	SE 16D P04 A2	SE 12D P04 B2
Capacity (1)	DT1 = 15K kW	47,0	52,2	53,5	59,1	61,5	68,5	71,1	80,1	93,9	104,4	107,0	118,2	122,0	123,3
Surface	m2	135	135	168	168	224	224	336	336	269	269	336	336	404	505
Circuit volume	dm3	18	18	23	23	31	31	46	46	37	37	46	46	55	69
Air flow	m3/h	15198	18045	16406	19300	17589	20573	16584	19487	30396	36091	32811	38599	32495	30068
Acoustic	Lp (2) dB(A)	31	35	31	35	31	35	31	35	34	38	34	38	38	34
	Lw dB(A)	63	67	63	67	63	67	63	67	66	70	66	70	70	66
Fans	Ø 800 Num.	2	2	2	2	2	2	2	2	4	4	4	4	4	4
Motors (3)	W tot.	419	641	410	624	402	606	409	621	838	1281	821	1247	1314	840
Energy efficiency class		A	B	A	B	A	A	A	A	B	A	B	B	A	
Overall length	mm	1512	1512	1842	1842	2312	2312	2312	2312	2712	2712	3342	3342	2712	3342
Net weight	kg	269	269	293	293	318	318	358	358	468	468	513	513	510	564

Models		SE 12D P04 B2	SE 16D P06 A1	SE 16D P04 D2	SE 12D P06 A1	SE 12D P04 D2	SE 16D P06 B1	SE 12D P06 B1	SE 12D P06 A2	SE 16D P06 D1	SE 12D P08 A1	SE 16D P08 A1	SE 12D P06 B2	SE 16D P06 D2	SE 16D P08 B1
Capacity (1)	DT1 = 15K kW	139,6	140,9	142,1	156,7	160,3	160,5	177,3	183,0	184,5	187,8	208,9	209,4	213,2	214,0
Surface	m2	505	404	673	404	673	505	505	605	673	538	538	757	1009	673
Circuit volume	dm3	69	55	92	55	92	69	69	83	92	74	74	104	138	92
Air flow	m3/h	35752	45595	33167	54136	38975	49217	57899	48743	52768	60793	72182	53628	49751	65623
Acoustic	Lp (2) dB(A)	38	36	34	40	38	36	40	40	36	37	41	40	36	37
	Lw dB(A)	70	68	66	72	70	68	72	72	68	69	73	72	68	69
Fans	Ø 800 Num.	4	6	4	6	4	6	6	6	6	8	8	6	6	8
Motors (3)	W tot.	1286	1257	818	1922	1242	1231	1871	1970	1206	1675	2562	1929	1227	1641
Energy efficiency class		B	A	A	B	A	A	B	B	A	A	B	B	A	A
Overall length	mm	3342	3912	4312	3912	4312	4842	4842	3912	6312	5112	5112	4842	6312	6342
Net weight	kg	564	673	646	673	646	738	738	735	829	869	869	815	934	955

Models		SE 12D P06 B3	SE 16D P10 A1	SE 12D P08 B1	SE 12D P06 D2	SE 12D P08 A2	SE 16D P08 B2	SE 12D P10 A1	SE 16D P10 B1	SE 12D P08 B2	SE 16D P12 A1	SE 16D P08 D2	SE 12D P10 B1	SE 12D P10 A2
Capacity (1)	DT1 = 15K kW	222,1	234,8	236,3	240,4	244,0	246,5	261,1	267,5	279,2	281,8	284,3	295,4	305,0
Surface	m2	1009	673	673	1009	807	1009	673	841	1009	807	1345	841	1009
Circuit volume	dm3	138	92	92	138	111	138	92	115	138	111	185	115	138
Air flow	m3/h	49846	75991	77199	58462	64991	60136	90227	82028	71504	91189	66335	96498	81238
Acoustic	Lp (2) dB(A)	40	38	41	40	41	37	42	38	41	39	37	42	42
	Lw dB(A)	72	70	73	72	73	69	74	70	73	71	69	74	74
Fans	Ø 800 Num.	6	10	8	6	8	8	10	10	8	12	8	10	10
Motors (3)	W tot.	1961	2094	2495	1863	2627	1680	3203	2051	2571	2513	1636	3119	3284
Energy efficiency class		A	A	B	A	B	A	B	A	B	A	A	B	B
Overall length	mm	4842	6312	6342	6312	5112	6342	6312	7842	6342	7512	8312	7842	6312
Net weight	kg	894	1075	955	934	950	1057	1075	1188	1057	1281	1228	1188	1178

Models		SE 16D P10 B2	SE 12D P08 D2	SE 16D P12 B1	SE 16D P14 A1	SE 12D P10 B2	SE 12D P12 B1	SE 16D P10 D2	SE 12D P12 A2	SE 16D P12 B2	SE 16D P14 B1	SE 16D P16 A1	SE 12D P10 D2	SE 12D P14 B1
Capacity (1)	DT1 = 15K kW	308,2	320,5	321,0	328,7	349,0	354,5	355,4	366,0	369,8	374,5	375,7	400,6	413,6
Surface	m2	1261	1345	1009	942	1261	1009	1682	1211	1514	1177	1076	1682	1177
Circuit volume	dm3	173	185	138	129	173	138	231	166	208	162	148	231	162
Air flow	m3/h	75170	77950	98434	106387	89380	115798	82918	97486	90204	114840	121586	97437	135098
Acoustic	Lp (2) dB(A)	38	41	39	39	42	43	38	43	39	39	40	42	43
	Lw dB(A)	70	73	71	71	74	75	70	75	71	71	72	74	75
Fans	Ø 800 Num.	10	8	12	14	10	12	10	12	12	14	16	10	14
Motors (3)	W tot.	2100	2484	2462	2932	3214	3742	2045	3941	2520	2872	3351	3105	4366
Energy efficiency class		A	A	A	A	B	B	A	B	A	A	A	A	B
Overall length	mm	7842	8312	9342	8712	7842	9342	10312	7512	9342	10842	9912	10312	10842
Net weight	kg	1317	1228	1418	1466	1317	1418	1524	1403	1571	1654	1646	1524	1654

Models		SE 12D P12 B2	SE 12D P14 A2	SE 16D P16 B1	SE 16D P14 B2	SE 12D P12 B3	SE 12D P16 B1	SE 12D P16 A2	SE 12D P14 B2	SE 16D P16 B2	SE 16D P16 B3	SE 12D P16 A3	SE 12D P16 B2	SE 12D P16 B3
Capacity (1)	DT1 = 15K kW	418,8	427,0	428,0	431,4	444,2	472,7	488,1	488,6	493,0	509,1	512,8	558,4	592,3
Surface	m2	1514	1413	1346	1766	2018	1346	1615	1766	2018	2691	2153	2018	2691
Circuit volume	dm3	208	194	185	242	277	185	221	242	277	369	295	277	369
Air flow	m3/h	107256	113733	131246	105238	99692	154398	129981	125132	120272	110591	117562	143008	132923
Acoustic	Lp (2) dB(A)	43	43	40	39	43	44	44	43	40	40	44	44	44
	Lw dB(A)	75	75	72	71	75	76	76	75	72	72	76	76	76
Fans	Ø 800 Num.	12	14	16	14	12	16	16	14	16	16	16	16	16
Motors (3)	W tot.	3857	4598	3282	2940	3923	4990	5255	4500	3360	3413	5382	5143	5230
Energy efficiency class		B	B	A	A	A	B	B	B	A	A	B	B	A
Overall length	mm	9342	8712	12342	10842	9342	12342	9912	10842	12342	12342	9912	12342	12342
Net weight	kg	1571	1603	1874	1833	1732	1874	1789	1833	2078	2280	1931	2078	2280

SE12D : 400 V/3/50 Hz - 370 W max - 1,15 A max (4)

SE16D : 400 V/3/50 Hz - 235 W max - 0,65 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.
- 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent of the condenser inlet.
- (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only. Values measured under normal working conditions with a clean coil at nominal voltage.
- (3) Power required for all motors.
- (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

## NEOSTAR SILENCE - SU .. L



Models		SU 16Y L01 A1	SU 16Y L01 B1	SU 12Y L01 A1	SU 16Y L01 D1	SU 12Y L01 B1	SU 16Y L01 D2	SU 12Y L01 D1	SU 12Y L01 B3	SU 16Y L02 A1	SU 16Y L02 B1
Capacity (1)	DT1 = 15K kW	17,9	20,5	22,7	23,6	25,7	25,8	29,7	30,3	35,8	41,1
Surface	m <sup>2</sup>	67	84	67	112	84	168	112	168	135	168
Circuit volume	dm <sup>3</sup>	9	12	9	15	12	23	15	23	18	23
Air flow	m <sup>3</sup> /h	5052	5558	7173	6069	7776	5634	8377	6485	10103	11116
Acoustic	Lp (2) dB(A)	19	19	26	19	26	19	26	26	22	22
	Lw dB(A)	51	51	58	51	58	51	58	58	54	54
Fans	∅ 800 Num.	1	1	1	1	1	1	1	1	2	2
Motors (3)	W tot.	101	100	184	99	180	99	176	186	202	199
Energy efficiency class		A	A	A	A	A	A	A	A	A	A
Overall length	mm	1512	1842	1512	2312	1842	2312	2312	1842	2712	3342
Net weight	kg	151	167	151	188	167	208	188	196	255	283

Models		SU 12Y L02 A1	SU 16Y L02 D1	SU 12Y L02 B1	SU 16Y L02 D2	SU 16Y L03 A1	SU 12Y L02 B2	SU 16Y L03 B1	SU 16Y L03 B2	SU 12Y L03 A1	SU 16Y L04 A1
Capacity (1)	DT1 = 15K kW	45,3	47,3	51,4	51,6	53,7	58,6	61,6	66,8	68,0	71,6
Surface	m <sup>2</sup>	135	224	168	336	202	252	252	378	202	269
Circuit volume	dm <sup>3</sup>	18	31	23	46	28	35	35	52	28	37
Air flow	m <sup>3</sup> /h	14346	12138	15552	11268	15155	14183	16674	14953	21520	20207
Acoustic	Lp (2) dB(A)	29	22	29	22	24	29	24	24	31	25
	Lw dB(A)	61	54	61	54	56	61	56	56	63	57
Fans	∅ 800 Num.	2	2	2	2	3	2	3	3	3	4
Motors (3)	W tot.	367	198	360	199	303	368	299	304	551	405
Energy efficiency class		A	A	A	A	A	A	A	A	A	A
Overall length	mm	2712	4312	3342	4312	3912	3342	4842	4842	3912	5112
Net weight	kg	255	339	283	374	366	309	412	450	366	468

Models		SU 12Y L03 B1	SU 16Y L04 B1	SU 12Y L03 B2	SU 16Y L05 A1	SU 12Y L04 A1	SU 16Y L04 D1	SU 16Y L05 A2	SU 16Y L05 B1	SU 12Y L04 B1
Capacity (1)	DT1 = 15K kW	77,1	82,1	87,9	89,5	90,6	94,6	96,2	102,6	102,8
Surface	m <sup>2</sup>	252	336	378	336	269	448	505	420	336
Circuit volume	dm <sup>3</sup>	35	46	52	46	37	62	69	58	46
Air flow	m <sup>3</sup> /h	23328	22232	21274	25258	28693	24275	21862	27790	31104
Acoustic	Lp (2) dB(A)	31	25	31	26	32	25	26	26	32
	Lw dB(A)	63	57	63	58	64	57	58	58	64
Fans	∅ 800 Num.	3	4	3	5	4	4	5	5	4
Motors (3)	W tot.	540	399	552	506	734	396	509	499	720
Energy efficiency class		A	A	A	A	A	A	A	A	A
Overall length	mm	4842	6342	4842	6312	5112	8312	6312	7842	6342
Net weight	kg	412	528	450	579	468	641	631	661	528

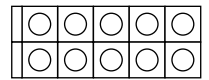
Models		SU 12Y L03 D3	SU 16Y L06 A1	SU 16Y L05 B2	SU 12Y L05 A1	SU 12Y L04 B2	SU 12Y L05 A2	SU 12Y L04 D2	SU 12Y L05 B2	SU 12Y L06 A2
Capacity (1)	DT1 = 15K kW	105,9	107,5	111,3	113,3	117,2	127,2	135,3	146,5	152,6
Surface	m <sup>2</sup>	673	404	631	336	505	505	673	631	605
Circuit volume	dm <sup>3</sup>	92	55	87	46	69	69	92	87	83
Air flow	m <sup>3</sup> /h	22249	30310	24921	35866	28365	31554	31462	35457	37864
Acoustic	Lp (2) dB(A)	31	27	26	33	32	33	32	33	34
	Lw dB(A)	63	59	58	65	64	65	64	65	66
Fans	∅ 800 Num.	3	6	5	5	4	5	4	5	6
Motors (3)	W tot.	546	607	506	918	736	935	718	920	1122
Energy efficiency class		A	A	A	A	A	A	A	A	A
Overall length	mm	6312	7512	7842	6312	6342	6312	8312	7842	7512
Net weight	kg	592	690	725	579	579	631	711	725	751

SU12Y : 400 V/3/50 Hz - 200 W max. - 0,48 A max (4)

SU16Y : 400 V/3/50 Hz - 105 W max. - 0,25 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.  
 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent of the condenser inlet.  
 (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only.  
 Values measured under normal working conditions with a clean coil at nominal voltage.  
 (3) Power required for all motors.  
 (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○



## NEOSTAR SILENCE - SU .. P

Models		SU 16Y P02 A1	SU 16Y P02 B1	SU 12Y P02 A1	SU 16Y P02 D1	SU 12Y P02 B1	SU 16Y P02 D2	SU 12Y P02 D1	SU 12Y P02 D2	SU 16Y P04 A1	SU 16Y P04 B1	SU 16Y P04 B2	SU 12Y P04 A1	SU 16Y P04 D1	SU 12Y P04 B1
Capacity (1)	DT1 = 15K kW	35,8	41,1	45,3	47,3	51,4	51,6	59,5	67,7	71,6	82,1	89,1	90,6	94,6	102,8
Surface	m2	135	168	135	224	168	336	224	336	269	336	505	269	448	336
Circuit volume	dm3	18	23	18	31	23	46	31	46	37	46	69	37	62	46
Air flow	m3/h	10103	11116	14346	12138	15552	11268	16754	15731	20207	22232	19937	28693	24275	31104
Acoustic	Lp (2) dB(A)	22	22	29	22	29	22	29	29	25	25	25	32	25	32
	Lw dB(A)	54	54	61	54	61	54	61	61	57	57	57	64	57	64
Fans	Ø 800 Num.	2	2	2	2	2	2	2	2	4	4	4	4	4	4
Motors (3)	W tot.	202	199	367	198	360	199	352	359	405	399	405	734	396	720
Energy efficiency class		A	A	A	A	A	A	A	A	A	A	A	A	A	A
Overall length	mm	1512	1842	1512	2312	1842	2312	2312	2312	2712	3342	3342	2712	4312	3342
Net weight	kg	269	293	269	318	293	358	318	358	468	513	564	468	575	513

Models		SU 16Y P04 D2	SU 16Y P06 A1	SU 16Y P06 A2	SU 12Y P04 B2	SU 12Y P04 B3	SU 12Y P04 D2	SU 12Y P06 A1	SU 16Y P06 D1	SU 16Y P08 A1	SU 12Y P06 B1	SU 16Y P06 D2	SU 16Y P08 B1	SU 12Y P06 D1	SU 16Y P10 A1
Capacity (1)	DT1 = 15K kW	103,2	107,5	115,4	117,2	121,1	135,3	135,9	141,9	143,3	154,2	154,8	164,2	178,5	179,1
Surface	m2	673	404	605	505	673	673	404	673	538	505	1009	673	673	673
Circuit volume	dm3	92	55	83	69	92	92	55	92	74	69	138	92	92	92
Air flow	m3/h	22535	30310	26235	28365	25939	31462	43039	36413	40414	46656	33803	44464	50261	50517
Acoustic	Lp (2) dB(A)	25	27	27	32	32	32	34	27	28	34	27	28	34	29
	Lw dB(A)	57	59	59	64	64	64	66	59	60	66	59	60	66	61
Fans	Ø 800 Num.	4	6	6	4	4	4	6	6	8	6	6	8	6	10
Motors (3)	W tot.	398	607	611	736	745	718	1101	593	809	1081	597	798	1055	1011
Energy efficiency class		A	A	A	A	A	A	A	A	A	A	A	A	A	A
Overall length	mm	4312	3912	3912	3342	3342	4312	3912	6312	5112	4842	6312	6342	6312	6312
Net weight	kg	646	673	735	564	618	646	673	829	869	738	934	955	829	1075

Models		SU 12Y P08 A1	SU 16Y P08 D1	SU 12Y P06 D2	SU 16Y P10 B1	SU 12Y P08 B1	SU 12Y P06 D3	SU 16Y P12 A1	SU 16Y P10 B2	SU 12Y P10 A1	SU 16Y P12 A2	SU 12Y P08 B2	SU 16Y P12 B1	SU 16Y P14 A1	SU 12Y P10 B1
Capacity (1)	DT1 = 15K kW	181,2	189,2	203,0	205,3	205,6	211,8	214,9	222,7	226,5	230,9	234,4	246,3	250,7	257,1
Surface	m2	538	897	1009	841	673	1345	807	1261	673	1211	1009	1009	942	841
Circuit volume	dm3	74	123	138	115	92	185	111	173	92	166	138	138	129	115
Air flow	m3/h	57385	48550	47193	55581	62208	44497	60620	49842	71732	52470	56730	66697	70724	77760
Acoustic	Lp (2) dB(A)	35	28	34	29	35	34	30	29	36	30	35	30	30	36
	Lw dB(A)	67	60	66	61	67	66	62	61	68	62	67	62	62	68
Fans	Ø 800 Num.	8	8	6	10	8	6	12	10	10	12	8	12	14	10
Motors (3)	W tot.	1468	791	1077	997	1441	1093	1214	1012	1835	1222	1472	1197	1416	1801
Energy efficiency class		A	A	A	A	A	A	A	A	A	A	A	A	A	A
Overall length	mm	5112	8312	6312	7842	6342	6312	7512	7842	6312	7512	6342	9342	8712	7842
Net weight	kg	869	1088	934	1188	955	1042	1281	1317	1075	1403	1057	1418	1466	1188

Models		SU 16Y P12 B2	SU 12Y P12 A1	SU 16Y P16 A1	SU 16Y P14 B1	SU 12Y P10 B2	SU 12Y P12 B1	SU 16Y P14 B2	SU 12Y P14 A1	SU 16Y P16 B1	SU 16Y P16 B2	SU 12Y P14 B1	SU 12Y P16 B1	SU 12Y P16 B2
Capacity (1)	DT1 = 15K kW	267,2	271,8	286,5	287,4	293,0	308,5	311,8	317,1	328,4	356,3	359,9	411,3	468,7
Surface	m2	1514	807	1076	1177	1261	1009	1766	942	1346	2018	1177	1346	2018
Circuit volume	dm3	208	111	148	162	173	138	242	129	185	277	162	185	277
Air flow	m3/h	59811	86078	80827	77813	70913	93312	69779	100424	88929	79748	108865	124417	113461
Acoustic	Lp (2) dB(A)	30	37	31	30	36	37	30	37	31	31	37	38	38
	Lw dB(A)	62	69	63	62	68	69	62	69	63	63	69	70	70
Fans	Ø 800 Num.	12	12	16	14	10	12	14	14	16	16	14	16	16
Motors (3)	W tot.	1215	2202	1618	1396	1840	2161	1417	2569	1596	1619	2521	2881	2944
Energy efficiency class		A	A	A	A	A	A	A	A	A	A	A	A	A
Overall length	mm	9342	7512	9912	10842	7842	9342	10842	8712	12342	12342	10842	12342	12342
Net weight	kg	1571	1281	1646	1654	1317	1418	1833	1466	1874	2078	1654	1874	2078

SU12Y : 400 V/3/50 Hz - 200 W max. - 0,48 A max (4)

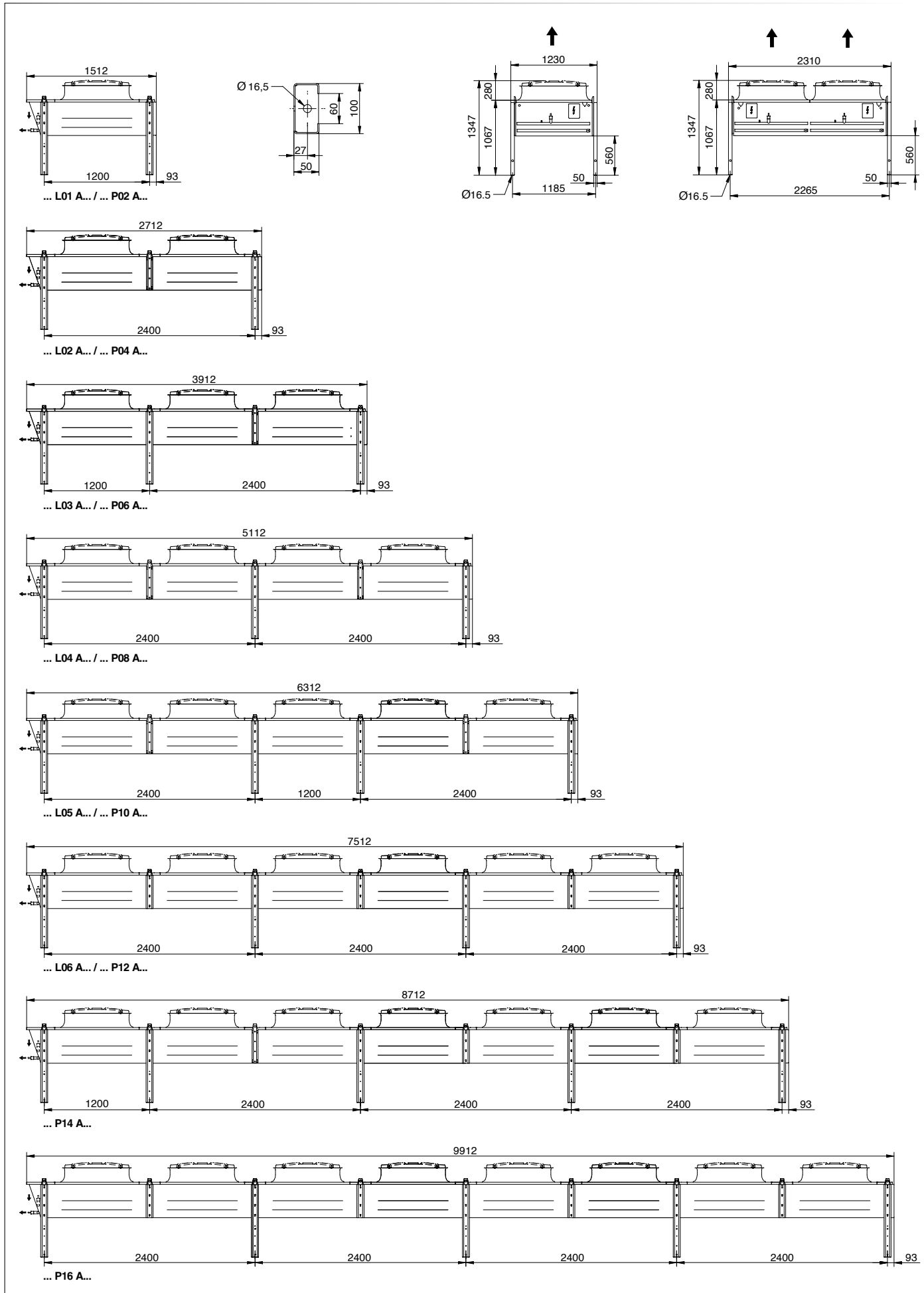
SU16Y : 400 V/3/50 Hz - 105 W max. - 0,25 A max (4)

- (1) The capacities are given in kW for R404A refrigerant with DT1 = 15 K. They are equal to the capacities measured in accordance with the CEN EN 327 European draft.  
 'DT1' represents the difference between the entering air temperature and the condensing temperature considered as being equal to the pressure equivalent at the condenser inlet.  
 (2) The sound pressure in dB(A) measured at a line-of-sight to reflecting parallelepiped surface distance of 10 meters, is given as an indication only.  
 Values measured under normal working conditions with a clean coil at nominal voltage.  
 (3) Power required for all motors.  
 (4) Setting of overbad protections.

	MCI	BXT	BAE	M60	M25	M26	MTH	IRP	C2V	SCU	RE...	ECB	CMP	RP1	RP2	RP3	MEC
NEOSTAR ...	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

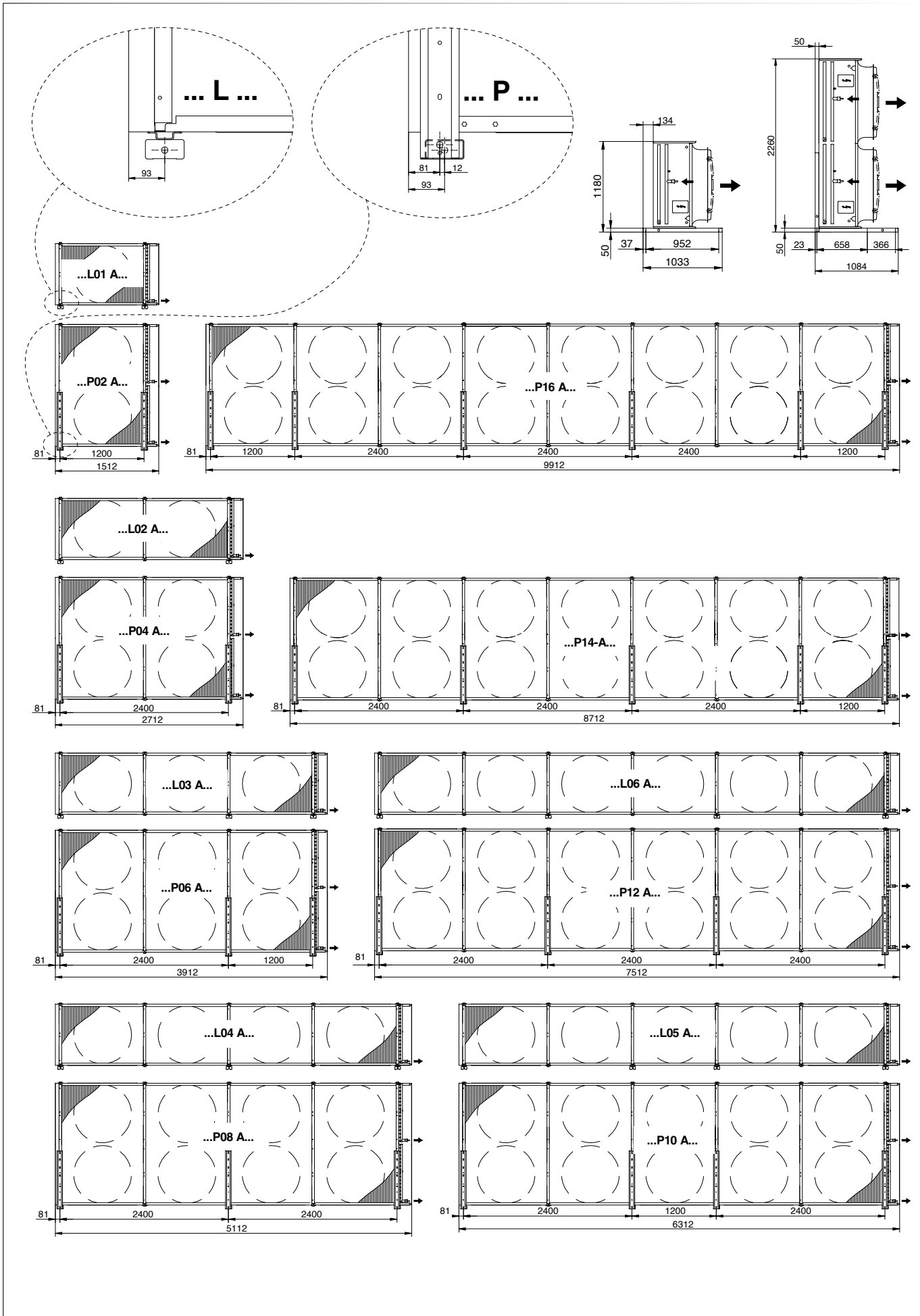
TYPE OF MODULE: A

VERTICAL AIR FLOW



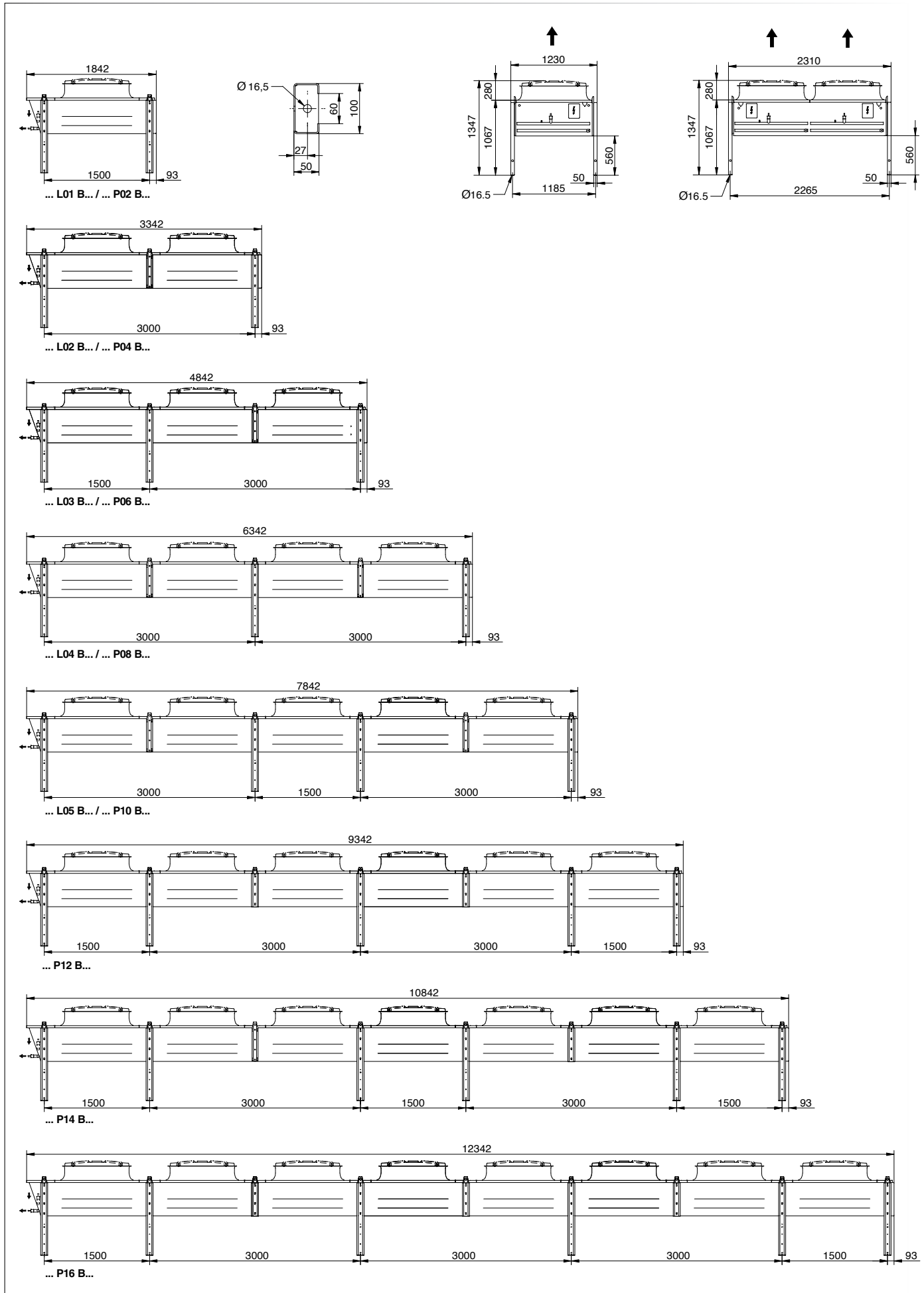
TYPE OF MODULE: A

HORIZONTAL AIR FLOW



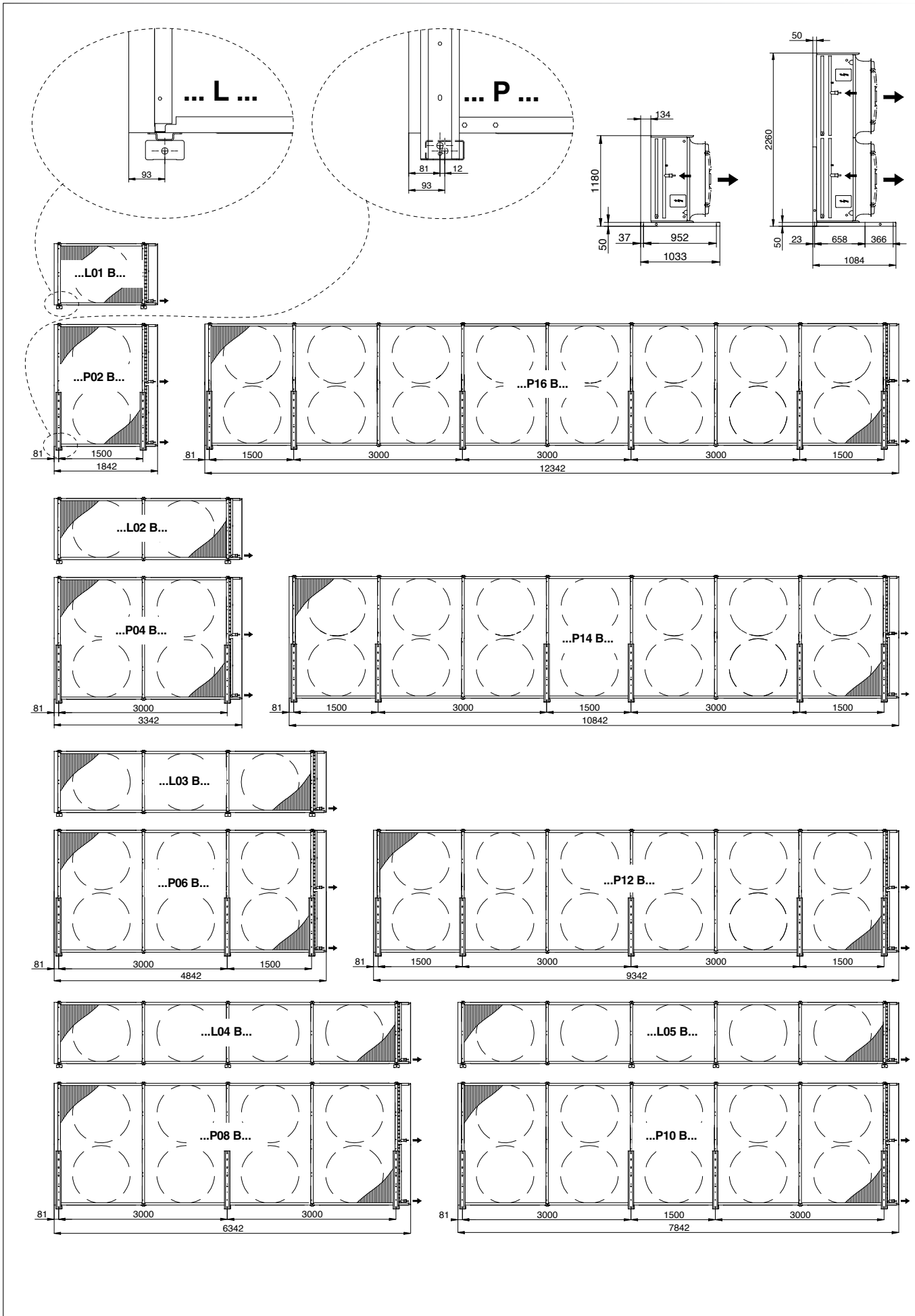
TYPE OF MODULE: B

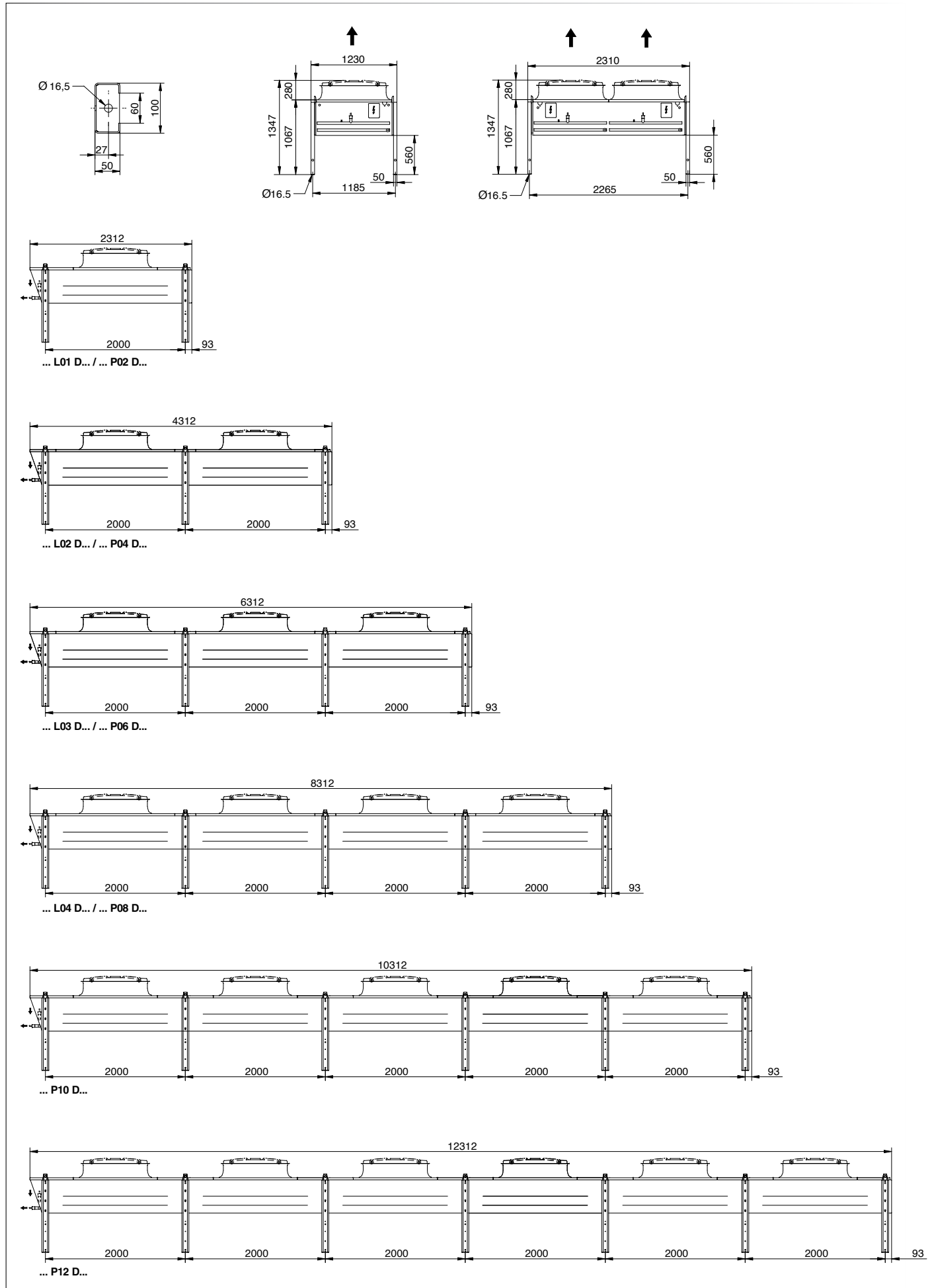
VERTICAL AIR FLOW



TYPE OF MODULE: B

HORIZONTAL AIR FLOW







TYPE OF MODULE: D

HORIZONTAL AIR FLOW

