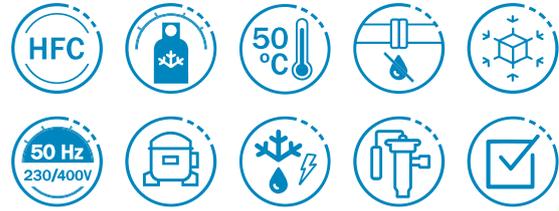


Sigilus



Split systems for small and medium size cold rooms at positive and negative temperature, composed of a low-noise condensing unit and a slim-type, cubic-type or double-flow evaporating unit.

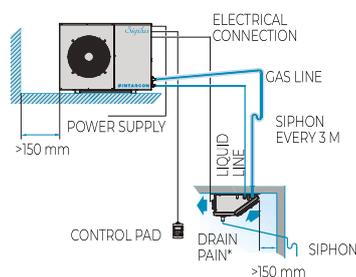
FEATURES

Compressor sound insulation only on standard three-phase units (DANFOSS compressor).	<input checked="" type="checkbox"/>
Large surface L-shape condensing coil (straight for series 0 and 1).	<input checked="" type="checkbox"/>
Low-speed condensing motor fans.	<input checked="" type="checkbox"/>
Proportional control of condensing pressure (optional for -N version). Proportional control (except 0 series).	<input type="checkbox"/>
High and low pressure switches.	<input checked="" type="checkbox"/>
Discharge muffler (for models 1 HP or more) and crankcase heater.	<input checked="" type="checkbox"/>
Liquid receiver.	<input checked="" type="checkbox"/>
Refrigerant pre-charge for 10 m piping.	<input checked="" type="checkbox"/>
Built-in thermostatic expansion valves and solenoid valves.	<input checked="" type="checkbox"/>
Electrical heater defrost (except ASF series).	<input checked="" type="checkbox"/>
Drain pan.	<input checked="" type="checkbox"/>
Flare-type connections (up to 1/2"-3/4") and service valves.	<input checked="" type="checkbox"/>
MCB protection.	<input checked="" type="checkbox"/>
Multifunctional electronic control with remote keyboard and digital condensation control.	<input checked="" type="checkbox"/>
Liquid injection system for negative temperature models with R-449A.	<input checked="" type="checkbox"/>
Change to 400V 3N 50Hz power supply.	<input type="checkbox"/>
Coil protection grille.	<input type="checkbox"/>
Built-in oil separator.	<input type="checkbox"/>
Anti-corrosion evaporator coil coating.	<input type="checkbox"/>
Anti-corrosion condenser coil coating.	<input type="checkbox"/>
Larger sized multifunction electronic control.	<input type="checkbox"/>

As standard Optional

INSTALLATION SCHEME

Maximum vertical distance between units of 15 m if the condensing unit is placed at a higher level than the evaporating unit, and 6 m otherwise.
*20 % minimum slope of draining pipe for negative temperature models.



Electronic control

Sigilus split systems feature XM670K electronic control as standard:



- ▶ Multi-function remote digital control.
- ▶ Internal clock for programming of energy saving cycles and defrost.
- ▶ Possibility of interconnection and synchronization of up to 8 devices by LAN, managed from a single control.

Triple noise insulation

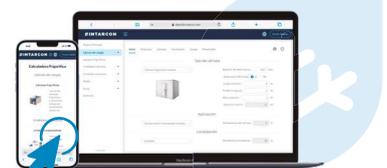
Sigilus condensing units feature triple noise insulation:

- ▶ Noise insulated compressor compartment, separated from the air flow.
- ▶ Hermetic reciprocating compressor with insulation cover (three-phase models) and discharge muffler.
- ▶ Low-noise and low-speed fan on shock absorbing structure.

Proportional control of condensing pressure

Proportional control of condensing pressure, for prolonged operation at under low ambient temperature, standard for Sigilus series (optional for slim-type).

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REFRIGERATION CALCULATION SOFTWARE



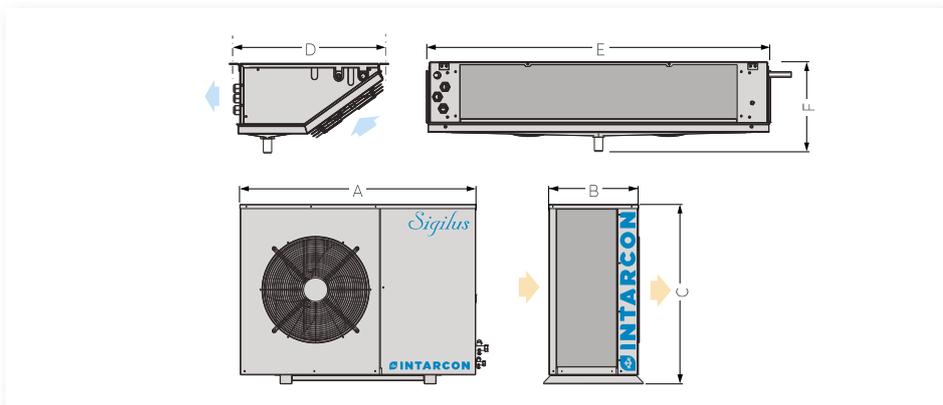
230V I+N ~ 50Hz / 400V 3N ~ 50Hz | Positive temperature | Hermetic compressor | R-134a / R-449A

Refrigerant	Series / Model	Power supply	Compressor (HP)	Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾								Input power (W)	Max. current (A)	Vent. evap.	Evap. flow (m³/h)	Cond. flow (m³/h)	Liq-Gas Cooling Connection	Refrig. charge (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
				-5 °C		0 °C		5 °C		10 °C											
				W	m³	W	m³	W	m³	W	m³										
R-134a	MSF-NY-00010A	230V I+N ~ 50Hz	3/8	497	2.9	637	5.0	788	8.8	945	13	410	4.2	1x Ø 172	300	350	1/4"-3/8"	< 1.5	46+12	28	
	MSF-NY-00015A	230V I+N ~ 50Hz	1/2	653	3.6	832	7.4	1004	11	1188	16	510	5.2	1x Ø 172	300	350	1/4"-3/8"	< 1.5	49+12	29	
	MSF-NY-11015A	230V I+N ~ 50Hz	1/2	805	4.7	1031	10	1296	14	1582	28	560	5.6	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	57+16	34	
	MSF-NY-11026A	230V I+N ~ 50Hz	3/4	1076	9.0	1412	16	1738	25	2084	40	800	9.2	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	65+16	34	
	MSF-NY-12033A	230V I+N ~ 50Hz	1	1475	13	1859	20	2289	35	2741	57	1020	9.7	2x Ø 200	1050	1700	1/4"-5/8"	< 2.0	67+24	34	
	MSF-NY-12053A	230V I+N ~ 50Hz*	1 1/2	1811	22	2347	33	2872	50	3439	79	1420	12.3	2x Ø 200	1050	1700	1/4"-5/8"	< 2.0	77+24	35	
	MSF-NY-13074A	230V I+N ~ 50Hz*	2	2772	30	3528	50	4363	76	5229	125	1940	17.2	3x Ø 254	1725	1700	1/4"-3/4"	< 3.5	79+45	37	
	MSF-NY-23086A	400V 3N ~ 50Hz	4	3355	39	4384	65	5376	108	6437	160	2180	14.1	3x Ø 254	1725	3700	3/8"-7/8"	< 4.5	96+45	38	
	MSF-NY-24108A	400V 3N ~ 50Hz	5	4347	58	5649	90	6920	138	8316	220	2830	18.2	4x Ø 300	3100	3700	3/8"-7/8"	< 5.0	98+45	35	
R-449A	MSF-NY-24136A	400V 3N ~ 50Hz	6 1/2	5486	75	6899	110	8363	150	9949	280	3550	22.2	4x Ø 300	3100	3700	3/8"-1 1/8"	< 5.5	101+55	34	
	MSF-NY-34171A	400V 3N ~ 50Hz	8	6080	88	7613	130	9240	200	10978	350	4160	25.2	4x Ø 300	3100	4000	3/8"-1 1/8"	< 5.5	140+55	40	
	MSF-NG-0008A	230V I+N ~ 50Hz	1/3	611	2.9	759	5.0	915	8.8	1103	13	430	5.1	1x Ø 172	300	350	1/4"-3/8"	< 1.5	47+12	29	
	MSF-NG-0010A	230V I+N ~ 50Hz	3/8	739	3.6	894	6.1	1056	10	1254	15	530	4.8	1x Ø 172	300	350	1/4"-3/8"	< 1.5	49+12	29	
	MSF-NG-0012A	230V I+N ~ 50Hz	1/2	818	4.7	981	7.4	1153	12	1358	21	630	5.6	1x Ø 172	300	350	1/4"-3/8"	< 1.5	50+12	29	
	MSF-NG-1014A	230V I+N ~ 50Hz	1/2	882	8.0	1095	12	1322	20	1585	34	770	6.5	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	59+16	34	
	MSF-NG-1016A	230V I+N ~ 50Hz	5/8	972	10	1210	15	1462	24	1759	40	810	7.4	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	67+16	34	
	MSF-NG-1018A	230V I+N ~ 50Hz	3/4	1397	12	1649	19	1915	28	2245	45	940	8.7	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	68+16	34	
	MSF-NG-2024A	230V I+N ~ 50Hz	1	1513	14	1958	22	2420	35	2958	57	1260	11.1	2x Ø 200	1050	1700	1/4"-1/2"	< 2.5	82+24	34	
	MSF-NG-2026A	230V I+N ~ 50Hz*	1 1/4	1712	16	2147	25	2611	39	3157	64	1440	11.5	2x Ø 200	1050	1700	1/4"-1/2"	< 2.5	83+24	34	
MSF-NG-2034A	230V I+N ~ 50Hz*	1 1/2	2120	21	2606	33	3117	50	3730	79	1830	16.1	2x Ø 200	1050	1700	1/4"-5/8"	< 2.5	83+24	35		
MSF-NG-3038A	400V 3N ~ 50Hz	1 3/4	2770	29	3394	46	4078	71	4894	112	1890	8.1	3x Ø 254	1725	3200	1/4"-5/8"	< 3.0	82+45	29		
MSF-NG-4048A	400V 3N ~ 50Hz	2	3368	39	4231	62	5158	92	6225	145	2340	9.6	3x Ø 254	1725	3700	3/8"-3/4"	< 4.5	84+45	26		
MSF-NG-4054A	400V 3N ~ 50Hz	2 1/2	3792	47	4671	70	5640	105	6780	160	2540	10.1	3x Ø 254	1725	3700	3/8"-3/4"	< 4.5	85+45	26		

230V I+N ~ 50Hz / 400V 3N ~ 50Hz | Negative temperature | Hermetic compressor | R-449A / R-452A

Refrigerant	Series / Model	Power supply	Compressor (HP)	Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾						Input power (W)	Max. current (A)	Vent. evap.	Evap. flow (m³/h)	Cond. flow (m³/h)	Liq-Gas Cooling Connection	Refrig. charge (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
				-25 °C		-20 °C		-15 °C											
				W	m³	W	m³	W	m³										
R-449A	BSF-NG-1026A	230V I+N ~ 50Hz	3/4	763	3.2	952	7.0	1155	13	820	8.5	1x Ø 200	550	1700	1/4"-1/2"	< 2.0	67+16	34	
	BSF-NG-2034A	230V I+N ~ 50Hz	1 1/4	930	3.9	1107	8.1	1437	15	1180	11.3	2x Ø 200	1050	1700	1/4"-1/2"	< 2.0	83+16	34	
	BSF-NG-2055A	230V I+N ~ 50Hz*	1 3/4	1260	9.0	1710	16	2190	30	1700	17.5	2x Ø 200	1050	1700	1/4"-5/8"	< 2.5	85+24	36	
	BSF-NG-2075A	230V I+N ~ 50Hz*	2 1/2	1655	13	2130	22	2625	38	2100	25.5	2x Ø 200	1050	1700	1/4"-5/8"	< 3.5	90+24	37	
	BSF-NG-3075A	230V I+N ~ 50Hz*	2 1/2	1755	14	2450	27	3080	48	2300	26.3	3x Ø 254	1725	1700	1/4"-5/8"	< 3.5	90+45	37	
R-452A	BSF-NB-4096A	400V 3N ~ 50Hz	3 1/2	1847	19	2732	39	3504	68	2480	12.0	3x Ø 254	1725	3700	3/8"-3/4"	< 4.5	97+45	39	
	BSF-NB-4108A	400V 3N ~ 50Hz	4	2513	29	3262	50	3990	78	2820	14.6	3x Ø 254	1725	3700	3/8"-7/8"	< 5.0	97+45	37	
	BSF-NB-4136A	400V 3N ~ 50Hz	5	2973	37	3715	61	4572	100	3640	16.8	3x Ø 254	1725	3700	3/8"-7/8"	< 5.0	100+45	32	

DIMENSIONS



Dimensions (mm)	A	B	C	D	E	F	Evaporator fans
0 and 00 series	671	308	442	417	549	185	1x Ø 172
1 and 11 series	1030	380	577	430	643	235	1x Ø 200
2 and 12 series	1030	380	577	430	993	235	2x Ø 200
3 and 13 series	1030	380	577	508	1691	235	3x Ø 254
4 and 23 series	1080	416	827	508	1691	235	3x Ø 254
24 series	1080	416	827	547	2064	285	4x Ø 300
34 series	1150	487	1097	547	2064	285	4x Ø 300

⁽¹⁾ Nominal performances refer to operation with cold room temperatures of 0 °C (PT) and -20 °C (NT), and ambient temperature of 35 °C. Estimated cold room volume according to conditions of the calculation bases (page 12).

⁽²⁾ Units with refrigerant charge less than 5 tons of CO₂ equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.

⁽³⁾ Sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

* Available units with 400V 3N 50Hz power supply.

Electrical interconnections

For the interconnection of the condenser and evaporator units, the following cable sections must be provided for a length of 10 m (hoses not included):

Power supply	230V 50Hz	400V 3N 50Hz
Probes	4 x 1 mm ²	
Manoeuvre	2 x 1 mm ²	3 x 1 mm ²
Defrost	2 x 1.5 mm ² + T	4 x 1.5 mm ² + T
Control pad	2 x 1 mm ²	
Switch door*	2 x 1 mm ²	
Door heater cable	2 x 1 mm ² at NT	
Cold room light*	2 x 1 mm ² + T	

* Optional not included. To know electrical interconnections of each model: see technical manual.

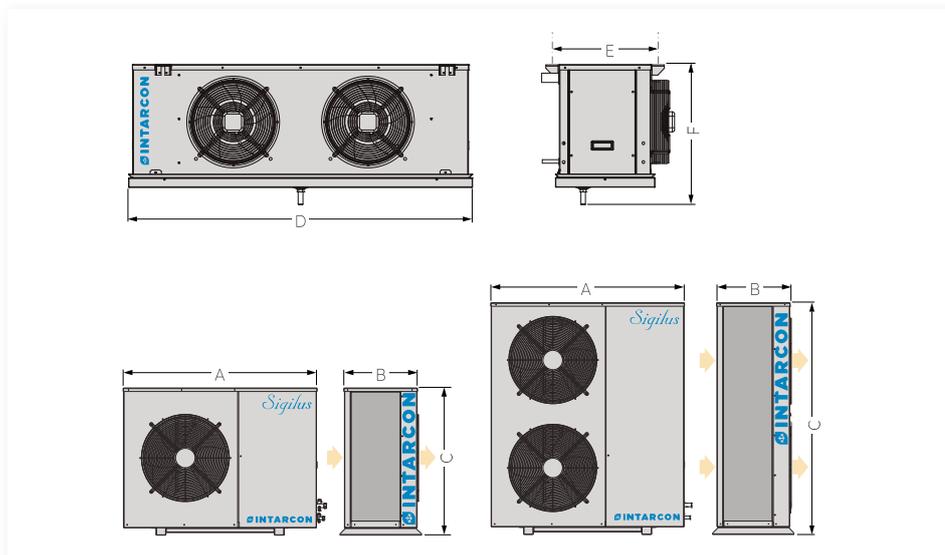
230V I+N ~ 50Hz / 400V 3N ~ 50Hz | **Positive temperature** | Hermetic compressor | R-134a / R-449A

Refrigerant	Series / Model	Power supply	Compressor (HP)	Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾								Input power (W)	Max. current (A)	Vent. evap.	Evap. flow (m³/h)	Cond. flow (m³/h)	Liq-Gas Cooling Connection	Refrig. charge (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
				-5 °C		0 °C		5 °C		10 °C											
				W	m³	W	m³	W	m³	W	m³										
R-134a	MSF-QY-10068A	400V 3N ~ 50Hz	3 1/2	3 281	42	4 106	60	4 998	69	5 985	110	1 980	12.8	1x Ø 350	2 100	3 200	1/4"-3/4"	< 4.0	82+43	25	
	MSF-QY-20086A	400V 3N ~ 50Hz	4	3 523	45	4 442	65	5 429	75	6 515	120	2 190	14.8	1x Ø 350	2 100	3 700	3/8"-7/8"	< 4.5	96+43	38	
	MSF-QY-21108A	400V 3N ~ 50Hz	5	4 226	58	5 334	81	6 521	130	7 807	210	2 560	16.3	1x Ø 350	2 700	3 700	3/8"-7/8"	< 5.0	98+56	35	
	MSF-QY-22136A	400V 3N ~ 50Hz	6 1/2	5 749	80	7 277	120	8 831	186	10 553	290	3 630	21.1	2x Ø 350	4 150	3 700	3/8"-7/8"	< 5.0	101+72	34	
	MSF-QY-33171A	400V 3N ~ 50Hz	8	6 746	100	8 484	172	10 295	197	12 306	354	4 420	24.1	2x Ø 350	5 200	4 000	3/8"-1 1/8"	< 7.0	140+89	40	
	MSF-QY-33215A	400V 3N ~ 50Hz	10	8 426	130	10 563	241	12 857	268	15 419	440	5 240	30.5	3x Ø 350	6 200	6 500	3/8"-1 1/8"	< 7.5	147+94	39	
R-449A	MSF-QY-34271A	400V 3N ~ 50Hz	13	11 099	165	13 776	256	16 622	346	19 777	550	7 190	40.2	4x Ø 350	8 300	6 500	1/2"-1 3/8"	< 8.5	152+118	38	
	MSF-QG-10038A	400V 3N ~ 50Hz	1 3/4	3 280	31	3 919	48	4 625	75	5 472	120	1 770	7.4	1x Ø 350	2 100	3 200	1/4"-5/8"	< 3.0	82+43	29	
	MSF-QG-20048A	400V 3N ~ 50Hz	2	3 964	43	4 736	63	5 572	95	6 605	150	2 210	8.8	1x Ø 350	2 100	3 700	3/8"-3/4"	< 5.0	84+43	26	
	MSF-QG-20054A	400V 3N ~ 50Hz	2 1/2	4 395	48	5 197	72	6 078	110	7 158	170	2 380	9.4	1x Ø 350	2 100	3 700	3/8"-3/4"	< 5.0	85+43	26	
	MSF-QG-21060A	400V 3N ~ 50Hz	3	5 081	61	6 032	89	7 055	130	8 328	200	2 840	10.4	1x Ø 350	2 700	3 700	3/8"-3/4"	< 5.0	88+56	26	
	MSF-QG-21068A	400V 3N ~ 50Hz	3 1/2	5 519	78	6 528	110	7 601	160	8 942	250	3 210	11.4	1x Ø 350	2 700	3 700	3/8"-3/4"	< 5.0	88+56	25	
	MSF-QG-32086A	400V 3N ~ 50Hz	4	6 787	91	8 180	130	9 707	190	11 545	300	4 130	13.6	2x Ø 350	4 150	4 000	1/2"-7/8"	< 7.0	115+72	38	
	MSF-QG-32108A	400V 3N ~ 50Hz	5	8 623	125	10 181	175	11 880	255	13 969	400	5 050	16.7	2x Ø 350	4 150	6 500	1/2"-7/8"	< 7.0	120+72	35	
	MSF-QG-43136A	400V 3N ~ 50Hz	6 1/2	11 105	160	13 146	220	15 399	320	18 145	500	6 630	21.5	3x Ø 350	6 200	7 000	1/2"-1 1/8"	< 10.0	135+89	34	
	MSF-QG-44160A	400V 3N ~ 50Hz	8	11 597	170	14 009	230	16 660	340	19 806	530	7 590	26.0	4x Ø 350	8 300	7 000	5/8"-1 1/8"	< 10.0	157+118	40	

230V I+N ~ 50Hz / 400V 3N ~ 50Hz | **Negative temperature** | Hermetic compressor | R-449A / R-452A

Refrigerant	Series / Model	Power supply	Compressor (HP)	Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾					Input power (W)	Max. current (A)	Vent. evap.	Evap. flow (m³/h)	Cond. flow (m³/h)	Liq-Gas Cooling Connection	Refrig. charge (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
				-25 °C		-20 °C		-15 °C										
				W	m³	W	m³	W										
R-449A	BSF-QG-10075A	230V I+N ~ 50Hz*	2 1/2	1 760	14	2 465	27	3 110	48	2 300	25.1	1x Ø 350	2 100	1 700	1/4"-5/8"	< 3.0	90+43	37
	BSF-QB-20096A	400V 3N ~ 50Hz	3 1/2	2 409	20	3 125	43	3 864	74	2 410	11.5	1x Ø 350	2 100	3 700	3/8"-3/4"	< 4.0	97+43	39
	BSF-QB-21108A	400V 3N ~ 50Hz	4	2 739	28	3 751	50	4 831	86	2 790	13.5	1x Ø 350	2 700	3 700	3/8"-7/8"	< 5.0	97+56	37
	BSF-QB-22136A	400V 3N ~ 50Hz	5	3 866	53	5 001	83	6 060	130	4 110	16.4	2x Ø 350	4 150	3 700	1/2"-1 1/8"	< 5.0	97+72	32
	BSF-QB-33215A	400V 3N ~ 50Hz	7 1/2	5 230	80	7 169	130	9 368	200	5 630	25.8	3x Ø 350	6 200	6 500	1/2"-1 1/8"	< 7.5	147+94	39
	BSF-QB-34271A	400V 3N ~ 50Hz	10	7 407	120	9 595	185	11 634	230	7 300	28.2	4x Ø 350	8 300	6 500	1/2"-1 3/8"	< 8.5	147+118	39

DIMENSIONS



Dimensions (mm)	A	B	C	D	E	F
10 series	1 030	380	577	880	455	581
20 series	1 080	416	827	880	455	581
21 series	1 080	416	827	1 230	455	581
22 series	1 080	416	827	1 530	455	581
32 series	1 150	487	1 097	1 530	455	581
33 series	1 150	487	1 097	1 930	455	581
34 series	1 150	487	1 097	2 430	455	581
43 series	1 150	487	1 346	1 930	455	581
44 series	1 150	487	1 346	2 430	455	581

⁽¹⁾ Nominal performances refer to operation with cold room temperatures of 0 °C (PT) and -20 °C (NT), and ambient temperature of 35 °C. Estimated cold room volume according to conditions of the calculation bases (page 12).

⁽²⁾ Units with refrigerant charge less than 5 tons of CO₂ equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.

⁽³⁾ Sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

* Available units with 400V 3N 50Hz power supply.

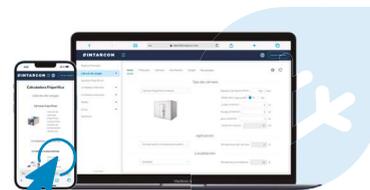
Electrical interconnections

For the interconnection of the condenser and evaporator units, the following cable sections must be provided for a length of 10 m:

Power supply	230V 50Hz	400V 3N 50Hz
Probes	4 x 1 mm ²	
Manoeuvre	2 x 1 mm ²	3 x 1 mm ²
Defrost	2 x 1.5 mm ² + T	4 x 1.5 mm ² + T
Control pad	2 x 1 mm ²	
Switch door*	2 x 1 mm ²	
Door heater cable	2 x 1 mm ² at NT	
Cold room light*	2 x 1 mm ² + T	

* Optional not included. To know electrical interconnections of each model: see technical manual.

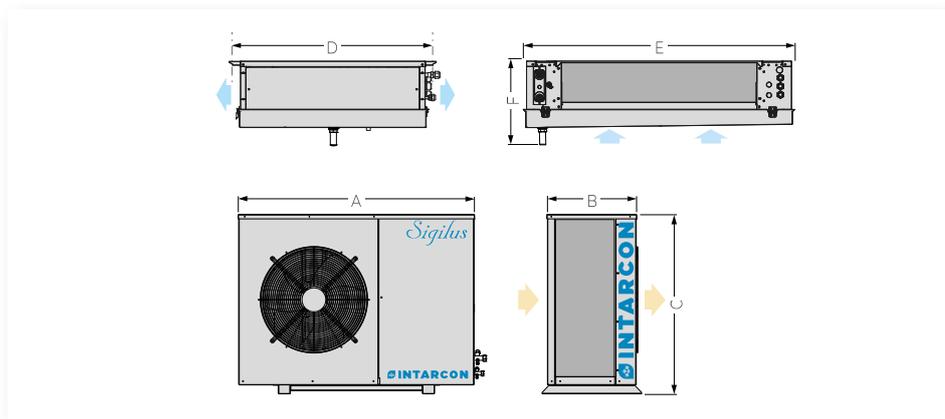
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REFRIGERATION CALCULATION SOFTWARE



230V I+N ~ 50Hz / 400V 3N ~ 50Hz | High temperature | Hermetic compressor | R-134a / R-449A

Refrigerant	Series / Model	Power supply	Compressor (HP)	Cooling capacity / Cold room volume, according to cold room temperature ⁽¹⁾						Input power (W)	Max. current (A)	Evap. flow (m³/h)	Cond. flow (m³/h)	Liq-Gas Cooling Connection	Refrig. charge (kg) ⁽²⁾	Weight (kg)	SPL dB(A) ⁽³⁾	Price (€)
				9 °C		12 °C		15 °C										
				W	m³	W	m³	W	m³									
R-134a	ASF-DY-11015A	230V I+N ~ 50Hz	1/2	1 687	16	1 922	21	2 160	29	690	4.7	1 100	1 700	1/4"-1/2"	< 2.5	57+32	34	
	ASF-DY-11026A	230V I+N ~ 50Hz	3/4	2 342	23	2 678	30	2 977	41	1 050	8.4	1 100	1 700	1/4"-1/2"	< 2.5	65+32	34	
	ASF-DY-12033A	230V I+N ~ 50Hz	1	2 840	27	3 176	36	3 533	48	1 330	10.4	1 800	1 700	1/4"-5/8"	< 3.0	67+45	34	
	ASF-DY-13053A	230V I+N ~ 50Hz*	1 1/2	4 226	42	4 730	56	5 271	72	2 040	13.6	3 150	1 700	3/8"-3/4"	< 4.0	77+65	35	
	ASF-DY-13074A	230V I+N ~ 50Hz*	2	6 053	62	6 825	83	7 634	112	2 610	17.6	3 150	3 200	3/8"-3/4"	< 4.5	79+65	34	
	ASF-DY-23086A	400V 3N ~ 50Hz	4	7 151	75	8 033	99	8 957	131	2 900	14.4	3 150	3 700	3/8"-7/8"	< 5.0	96+65	38	
	ASF-DY-24108A	400V 3N ~ 50Hz	5	8 936	99	10 028	122	11 146	165	3 800	17.5	5 700	3 700	3/8"-7/8"	< 5.5	98+70	35	
	ASF-DY-24136A	400V 3N ~ 50Hz	6 1/2	11 093	128	12 332	168	13 645	224	5 000	21.2	5 700	3 700	1/2"-1 1/8"	< 6.0	98+70	34	
	ASF-DY-34171A	400V 3N ~ 50Hz	8	13 424	146	14 989	186	16 669	251	5 880	25.2	5 700	6 500	1/2"-1 1/8"	< 6.0	120+70	40	
ASF-DY-44215A	400V 3N ~ 50Hz	10	15 771	171	17 593	218	19 546	294	6 610	30.2	5 700	7 000	1/2"-1 3/8"	< 9.5	120+70	39		
R-449A	ASF-DG-1016A	230V I+N ~ 50Hz	5/8	2 161	19	2 387	25	2 635	35	990	7.5	1 100	1 700	1/4"-1/2"	< 2.5	67+32	38	
	ASF-DG-1018A	230V I+N ~ 50Hz	3/4	2 462	23	2 709	30	2 961	42	1 180	8.8	1 100	1 700	1/4"-1/2"	< 2.5	68+32	35	
	ASF-DG-1024A	230V I+N ~ 50Hz	1	3 225	29	3 539	39	3 879	51	1 530	11.3	1 800	1 700	3/8"-5/8"	< 3.5	82+45	34	
	ASF-DG-1026A	230V I+N ~ 50Hz*	1 1/4	3 709	35	4 078	46	4 466	63	1 750	12.0	1 800	3 200	3/8"-5/8"	< 3.5	83+45	40	
	ASF-DG-1034A	230V I+N ~ 50Hz*	1 1/2	4 607	43	5 046	58	5 494	77	2 240	16.6	1 800	3 200	3/8"-5/8"	< 3.5	83+45	39	
	ASF-DG-1038A	400V 3N ~ 50Hz	1 3/4	5 393	52	5 885	68	6 410	91	2 200	7.8	3 150	3 200	3/8"-5/8"	< 4.0	82+65	29	
	ASF-DG-2048A	400V 3N ~ 50Hz	2	6 722	67	7 343	87	7 962	115	2 760	9.3	3 150	3 700	1/2"-3/4"	< 5.5	84+65	26	
	ASF-DG-2054A	400V 3N ~ 50Hz	2 1/2	7 447	75	8 113	97	8 793	130	3 000	9.8	3 150	3 700	1/2"-3/4"	< 5.5	85+65	26	
	ASF-DG-3060A	400V 3N ~ 50Hz	3	8 824	94	9 673	115	10 551	155	3 600	11.9	3 150	6 500	1/2"-7/8"	< 6.0	88+65	26	
	ASF-DG-3068A	400V 3N ~ 50Hz	3 1/2	9 662	98	10 578	125	11 512	165	4 190	12.9	3 150	6 500	1/2"-7/8"	< 6.0	88+65	25	
ASF-DG-4086A	400V 3N ~ 50Hz	4	11 687	120	12 829	155	14 001	205	4 900	15.2	5 700	7 000	5/8"-1 1/8"	< 9.0	115+70	38		
ASF-DG-4108A	400V 3N ~ 50Hz	5	14 416	150	15 702	190	17 068	255	6 400	18.2	5 700	7 000	5/8"-1 1/8"	< 8.5	120+70	35		

DIMENSIONS



Dimensions (mm)		A	B	C	D	E	F	Evaporator fans
R-134a	11 series	1 030	380	577	798	736	312	1x Ø 360
	12 series	1 030	380	577	798	1 086	312	2x Ø 360
	13 series	1 030	380	577	798	1 786	312	3x Ø 360
	23 series	1 080	416	827	798	1 786	312	3x Ø 360
	24 series	1 080	416	827	888	2 186	362	3x Ø 450
	34 series	1 150	487	1 097	888	2 186	362	3x Ø 450
R-449A	44 series	1 150	487	1 346	888	2 186	362	3x Ø 450
	ASF-DG-1016A and 1018A	1 030	380	577	798	736	312	1x Ø 360
	ASF-DG-1024 and 1034A	1 030	380	577	798	1 086	312	2x Ø 360
	ASF-DG-1038A	1 030	380	577	798	1 786	312	3x Ø 360
	2 series	1 080	416	827	798	1 786	312	3x Ø 360
	3 series	1 150	487	1 097	798	1 786	312	3x Ø 360
4 series	1 150	487	1 346	888	2 186	362	3x Ø 450	

⁽¹⁾ Nominal performances refer to operation with cold room temperatures of 12 °C (HT) ambient temperature of 35 °C. Estimated cold room volume according to conditions of the calculation bases (page 12).

⁽²⁾ Units with refrigerant charge less than 5 tons of CO₂ equivalent (3.5 kg of R-134a or R-449A) exempt from leak checking, Regulation (EU) No 517/2014.

⁽³⁾ Sound pressure level, with directivity 1, measured at 10 m from the unit (non-binding value calculated from sound power).

* Available units with 400V 3N 50Hz power supply.

Electrical interconnections

For the interconnection of the condenser and evaporator units, the following cable sections must be provided for a length of 10 m:

Power supply	230V 50Hz	400V 3N 50Hz
Probes	4 x 1 mm ²	
Manoeuvre	3 x 1 mm ² + T	5 x 1 mm ² + T
Control pad	2 x 1 mm ²	
Condensate pump	3 x 1 mm ²	

* Optional not included.

To know electrical interconnections of each model: see technical manual.

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