

NIMBUS 5 Compact

Sustainable Performance

- / Up to A+++ in high-temperature applications
- / R290 gas refrigerant
- / Cop up to 5.1

Solutions for All

- / Integration with existing radiators
- / System integration with Bus BridgeNet®
- / Photovoltaic integration

Designed for Professionals

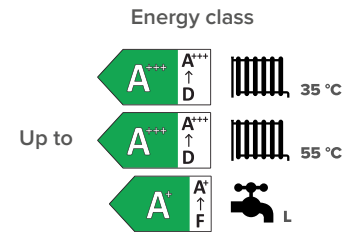
- / Wheels included for easy transport
- / Straps passage*
- / Grip recesses*
- / L-shaped panel*
- / Flexible connection kit
- / Quick connectors
- / Lever terminal blocks
- / SET+ function for easy commissioning
- / Ariston NET pro for easy maintenance

Easy Comfort

- / Quiet operation with three adjustable low noise levels
- / Up to 40% space saving*
- / Ariston NET app for remote control and assistance

Extra safety

- / Anti-freeze kit included*
- / Magnetic filter included
- / Drain pan included
- / Y filter*
- / Manual deareator



bimobject®



MODEL	NOMINAL CAPACITY	POWER SUPPLY
NIMBUS 5 COMPACT 30 M R290	3 kW	1ph
NIMBUS 5 COMPACT 50 M R290	5 kW	1ph
NIMBUS 5 COMPACT 80 M R290	8 kW	1ph
NIMBUS 5 COMPACT 80 M-T R290	8 kW	3ph
NIMBUS 5 COMPACT 120 M R290	12 kW	1ph
NIMBUS 5 COMPACT 120 M-T R290	12 kW	3ph
NIMBUS 5 COMPACT 150 M R290	15 kW	1ph
NIMBUS 5 COMPACT 150 M-T R290	15 kW	3ph



* ODU



R290
REFRIGERANT



ENERGY
CLASS



SYSTEM
MANAGEMENT



PHOTOVOLTAIC
SYSTEM
INTEGRATION



SIMPLIFIED
TRANSPORT



CONNECTION
KIT



QUICK
CONNECTORS



LEVER TERMINAL
BLOCK



FOR EASY
COMMISSIONING



SUPER SILENT



ARISTON NET



ANTI FREEZE
KIT

NIMBUS 5 Compact



NIMBUS 5 COMPACT R290		30 M	50 M	80 M	80 M-T	120 M	120 M-T	150 M	150 M-T
BUNDLES CODES		4147143	4147144	4147145	4147146	4147147	4147148	4147149	4147150
HEATING PERFORMANCE	CAPACITY A-7/W35 (MIN/NOM/MAX) °	0.82/2.50/3.14	1.06/5.00/5.53	1.63/7.00/7.92	1.63/7.00/7.92	2.20/9.00/11.0	2.20/9.00/11.0	2.19/11.0/12.43	2.19/11.0/12.43
	COP NOM A-7/W35 °	2.41/3.10/3.25	2.53/3.00/2.98	3.21/3.00/2.92	3.21/3.00/2.92	2.99/3.00/2.84	2.99/3.00/2.84	2.97/2.80/2.73	2.97/2.80/2.73
	CAPACITY A+7/W35 (MIN/NOM/MAX) °	1.21/3.00/3.73	1.63/5.00/7.37	2.37/8.00/11.08	2.37/8.00/11.08	3.33/12.0/14.08	3.33/12.0/14.08	3.39/15.0/16.81	3.39/15.0/16.81
	COP NOM A+7/W35 °	4.82/5.10/4.10	4.97/5.00/4.39	5.48/4.80/4.39	5.48/4.80/4.39	5.00/4.80/4.33	5.00/4.80/4.33	4.81/4.30/4.03	4.81/4.30/4.03
	CAPACITY A+2/W45 (MIN/NOM/MAX) °	1.02/1.90/3.78	1.31/3.10/6.69	1.99/4.60/9.89	1.99/4.60/9.89	2.72/6.40/13.11	2.72/6.40/13.11	2.70/7.50/15.09	2.70/7.50/15.09
	COP NOM A+7/W45 °	3.29/3.20/3.20	3.17/3.10/3.13	3.79/3.15/3.12	3.79/3.15/3.12	3.43/3.40/2.99	3.43/3.40/2.99	3.24/3.25/2.87	3.24/3.25/2.87
	CAPACITY A+7/W55 (MIN/NOM/MAX) °	1.12/2.20/3.94	1.42/3.8/6.45	2.17/5.80/9.85	2.17/5.80/9.85	3.00/7.70/12.44	3.00/7.70/12.44	2.98/9.50/15.19	2.98/9.50/15.19
	COP NOM A+7/W55 °	2.94/3.10/3.10	3.02/3.00/2.94	3.41/3.00/2.88	3.41/3.00/2.88	3.13/3.20/2.83	3.13/3.20/2.83	2.98/3.15/2.71	2.98/3.15/2.71
	WORKING TEMPERATURE (AIR) MIN/MAX (°C)	-25/35	-25/35	-25/35	-25/35	-25/35	-25/35	-25/35	-25/35
	FLOW TEMPERATURE (MIN/MAX) ° - HHP ONLY	0/75	0/75	0/75	0/75	0/75	0/75	0/75	0/75
COOLING PERFORMANCE	CAPACITY A35/W7 (MIN/NOM/MAX) °	1.07/3.00/3.70	1.29/5.00/5.50	1.82/7.00/8.15	1.82/7.00/8.15	2.73/9.10/9.68	2.73/9.10/9.68	2.73/11.0/11.01	2.73/11.0/11.01
	EER NOM A35/W7 °	3.75/3.52/3.38	3.67/3.23/3.29	3.31/3.39/3.06	3.31/3.39/3.06	3.74/3.53/3.14	3.74/ 3.53/ 3.14	3.74/3.21/2.97	3.74/3.21/2.97
	CAPACITY A35/W18 (MIN/NOM/MAX) °	1.46/3.00 /4.40	1.89/5.00/7.75	2.58/7.00/11.37	2.58/7.00/11.37	3.68/10.8/13.79	3.68/10.80/13.79	3.68/12.20/15.57	3.68/12.20/15.57
	EER NOM A35/W18 °	5.31/5.23/3.84	5.32/4.66/4.31	4.56/5.12/3.99	4.56/5.12/3.99	4.97/5.14/4.12	4.97/5.14/4.12	4.97/4.71/3.81	4.97/4.71/3.81
	FLOW TEMPERATURE (MIN/MAX) (°C)	0/75	0/75	0/75	0/75	0/75	0/75	0/75	0/75
	WORKING TEMPERATURE (AIR) MIN/MAX (°C)	10/43	10/43	10/43	10/43	10/43	10/43	10/43	10/43
HOT WATER PRODUCTION	COP NOM	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	TANK CAPACITY (L)	180	180	180	180	180	180	180	180
	HEATING TIME (h:min)	02:20	01:40	01:03	01:03	00:55	00:55	00:50	00:50
	SET POINT TEMP (°C)	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
	WATER VOLUME AT 40 °C (L)	233	233	233	233	233	233	233	233
ERP DATA	ENERGY CLASS - HEATING 35°C/55°C*	A+++/A+++	A+++/A++	A+++/A++	A+++/A++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
	TAPPING PROFILE	L	L	L	L	L	L	L	L
	DHW ENERGY CLASS	A+	A+	A+	A+	A+	A+	A+	A+
	SEASONAL EFFICIENCY (AVERAGE CLIMATE, HT)	3.83	3.67	3.58	3.58	3.87	3.87	3.86	3.86
	SEASONAL EFFICIENCY (AVERAGE CLIMATE, LT)	4.91	4.82	4.59	4.59	4.86	4.86	4.67	4.67

*Data according to EN 14511

NIMBUS 5 Compact Indoor Unit



Technical components included:

- 1** Integrated 12 l expansion vessel
- 2** Backup electric resistances
- 3** Multifunction magnetic filter
- 4** Manometer
- 5** Manual air purge
- 6** 180l DHW tank
- 7** 3 way valve (heating/DHW)
- 8** Protec active anode
- 9** Passive anode
- 10** Predisposition for DHW backup heating element
- 11** HMI
- 12** System control electric board
- 13** Lightgateway for connectivity

NIMBUS 5 COMPACT R290

30 M

50 M

80 M

80 M-T

120 M

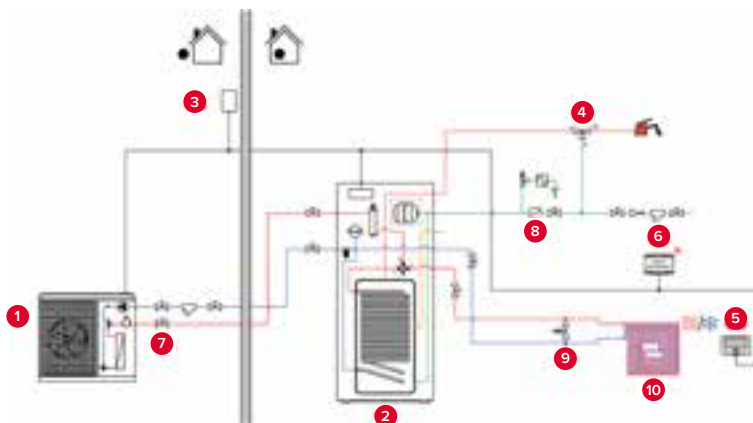
120 M-T

150 M

150 M-T

INDOOR UNIT

		30 M	50 M	80 M	80 M-T	120 M	120 M-T	150 M	150 M-T
WEIGHT	(KG)	127	127	127	127	127	127	127	127
VOLTAGE/PHASE/FREQUENCY	(V-ph-Hz)	230-1-50	230-1-50	230-1-50	400-3-50	230-1-50	400-3-50	230-1-50	400-3-50
HEATING ELEMENT (kW)	(kW)	2+2+2	2+2+2	2+2+2	2+2+2	2+2+2	2+2+2	2+2+2	2+2+2
INDOOR UNIT SOUND POWER	dB(A)	35	35	35	35	35	35	35	35
EXPANSION VESSEL CAPACITY	(L)	12	12	12	12	12	12	12	12



Pos. Description

- 1** PCM5 - EXTERNAL UNIT HHP - MONOBLOC 1-PH OR 3-PH
- 2** PCM5 - IDU FS MONO
- 3** EXTERNAL PROBE
- 4** THERMOSTATIC MIXING VALVE
- 5** SYSTEM INTERFACE
- 6** LIGHT GATEWAY
- 7** Y-FILTER PCM5 (supplied with product)
- 8** SAFETY GROUP
- 9** BY-PASS VALVE
- 10** UNDER FLOOR HEATING-COOLING

NIMBUS 5 Outdoor units



Small 3-5 kW

Medium 8 kW

Large 12-15 kW

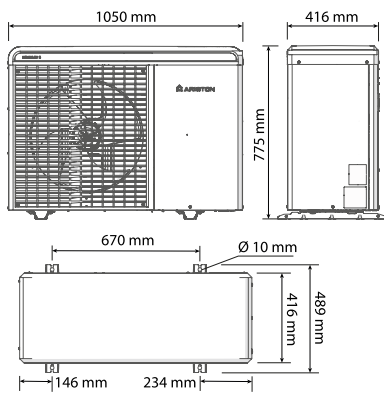
NIMBUS 5 R290		30 M EXT R290	50 M EXT R290	80 M EXT R290	80 M-T EXT R290	120 M EXT R290	120 M-T EXT R290	150 M EXT R290	150 M-T EXT R290
OUTDOOR UNIT									
WEIGHT	(KG)	66	77	101	113	125	139	125	139
REFRIGERANT TYPE		R290	R290	R290	R290	R290	R290	R290	R290
STANDARD CHARGE	(g)	380	660	890	890	1410	1410	1410	1410
GWP		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
CO2 EQUIVALENT	(t)	~ 0	~ 0	~ 0	~ 0	~ 0	~ 0	~ 0	~ 0
VOLTAGE/PHASE/FREQUENCY		230-1-50	230-1-50	230-1-50	400-3-50	230-1-50	400-3-50	230-1-50	400-3-50
MAXIMUM ABSORBED CURRENT	(A)	8.3	14.78	22.66	10.4	31.53	13.89	36.6	15.45
MAXIMUM ABSORBED POWER	(kW)	1.71	3.05	5.17	5.55	6.42	7.19	7.51	8.0



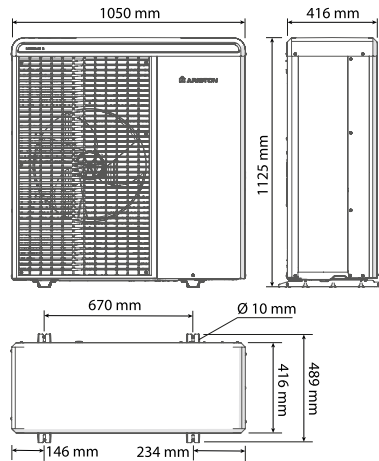
Technical components included:

- 1 Gas/water plate heat exchanger
- 2 Safety depropanizer
- 3 Safety Pressure Valve
- 4 Water circulation pump
- 5 Flow-meter
- 6 Anti-freeze kit

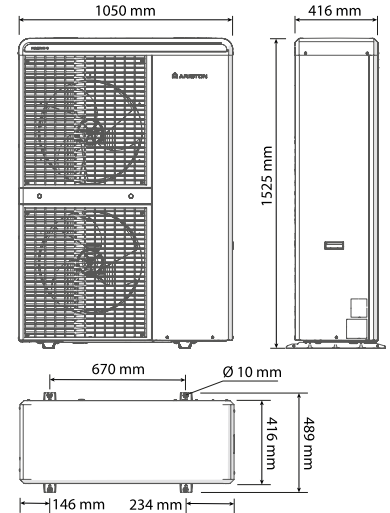
30 M / 50 M



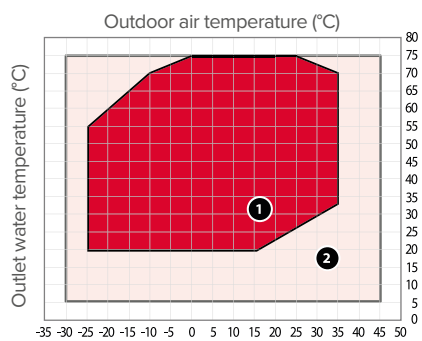
80 M & M-T



120 M & M-T / 150 M & M-T

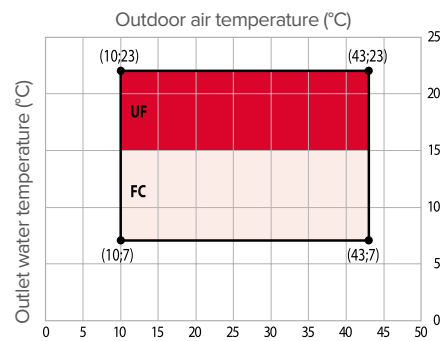


Operating limits for space heating



- 1 Full operation without restrictions
- 2 Operation with variable capacity management and integrated electric back-up heating to extend the operating range

Operating limits for cooling



- UF: underfloor heating
- FC: fan coil unit