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This information was generated by the HP KEYMARK database on 17 Dec 2020

NIMBUS 70 S-T - ARIANEXT 70 S-T - AEROTOP SPLIT 07	Reg. No.	ICIM-PDC- 000001
Certificate Holder		
Ariston Thermo Group		
Viale Aristide Merloni 45	Zip	I-60044
Fabriano (AN)	Country	Italy
ICIM S.p.A.		
-Transition Rules-		
NIMBUS 70 S-T - ARIANEXT 70 S-T - AEROTOP SPLIT 07		
Outdoor Air/Water		
R410a		
3.08 kg		
19.12.2017		
	Ariston Thermo Group Viale Aristide Merloni 45 Fabriano (AN) ICIM S.p.ATransition Rules- NIMBUS 70 S-T - ARIANEXT 70 S-T - AEROTOP SPLIT 0 Outdoor Air/Water R410a 3.08 kg	Ariston Thermo Group Viale Aristide Merloni 45 Fabriano (AN) ICIM S.p.A. -Transition Rules- NIMBUS 70 S-T - ARIANEXT 70 S-T - AEROTOP SPLIT 07 Outdoor Air/Water R410a 3.08 kg



Model: AEROTOP SPLIT 07M-R

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh
	-	

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





This information was generated by the Hir KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.67	
Pdh Tj = +2°C	4.41 kW	4.04 kW	
COP Tj = +2°C	5.27	3.88	
Pdh Tj = +7°C	2.89 kW	2.66 kW	
$COP Tj = +7^{\circ}C$	6.51	5.10	
Pdh Tj = 12°C	2.73 kW	2.69 kW	
COP Tj = 12°C	8.04	6.78	
Pdh Tj = Tbiv	7.09 kW	6.67 kW	
COP Tj = Tbiv	3.42	2.67	
Pdh Tj = TOL	5.52 kW	4.91 kW	
COP Tj = TOL	2.23	1.52	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	11 W	11 W	
РТО	11 W	11 W	
PSB	11 W	11 W	
PCK	11 W	11 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7482 kWh	8977 kWh	



Model: ARIANEXT PLUS 70 S-T LINK

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31



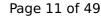


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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW



	cherated by the Hi KETI	MANK database on 17 Dec 202
COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = +7°C	2.89 kW	2.66 kW
COP Tj = +7°C	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7482 kWh	8977 kWh
 		



Model: ARIANEXT PLUS 70 S-T

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31



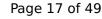


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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW



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This information was generated by the HP KEYMARK database on 17 Dec 202				
COP Tj = -7°C	3.42	2.67		
Pdh Tj = +2°C	4.41 kW	4.04 kW		
COP Tj = +2°C	5.27	3.88		
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW		
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Pdh Tj = 12°C	2.73 kW	2.69 kW		
COP Tj = 12°C	8.04	6.78		
Pdh Tj = Tbiv	7.09 kW	6.67 kW		
COP Tj = Tbiv	3.42	2.67		
Pdh Tj = TOL	5.52 kW	4.91 kW		
COP Tj = TOL	2.23	1.52		
Cdh	0.90	0.90		
WTOL	60 °C	60 °C		
Poff	11 W	11 W		
РТО	11 W	11 W		
PSB	11 W	11 W		
РСК	11 W	11 W		
Supplementary Heater: Type of energy input	electricity	electricity		
Supplementary Heater: PSUP	4.00 kW	4.00 kW		
Annual energy consumption Qhe	7482 kWh	8977 kWh		



Model: NIMBUS PLUS 70 S-T NET

General Data	
Power supply 3x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 m³/h

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

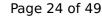
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





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PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
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Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





This information was g	enerated by the HF KETI	TARK database on 17 Dec 202
COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = +7°C	2.89 kW	2.66 kW
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COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7482 kWh	8977 kWh



Model: AEROTOP SPLIT 07M-CR

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



 $$\operatorname{\textit{Page}}\xspace$ 27 of 49 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
$COP Tj = +2^{\circ}C$	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7482 kWh	8977 kWh
1		

Domestic Hot Water (DHW)

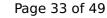
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:30 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	247

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.84
Heating up time	01:27 h:min
Standby power input	44.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	245 I

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	93 %
СОР	2.25
Heating up time	01:22 h:min
Standby power input	54.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	244



Model: NIMBUS COMPACT 70 S-T NET

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 m³/h

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

	EN 14825	
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31



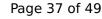


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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

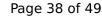
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





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This information was	generated by	y the HP KEYMARK	database on 17 Dec 2020

PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW

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COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7482 kWh	8977 kWh
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Domestic Hot Water (DHW)

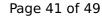
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:30 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	247

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.84
Heating up time	01:27 h:min
Standby power input	44.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	245 I

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	93 %
СОР	2.25
Heating up time	01:22 h:min
Standby power input	54.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	244



Model: NIMBUS FLEX 70 S-T NET

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 m³/h

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31

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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	
Sound power level outdoor	60 dB(A)	60 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW

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Time intermation was get		
COP Tj = -7°C	3.42	2.67
Pdh Tj = $+2^{\circ}$ C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7482 kWh	8977 kWh
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Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:30 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	247	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.84	
Heating up time	01:27 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	245 I	

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	93 %
СОР	2.25
Heating up time	01:22 h:min
Standby power input	54.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	244