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#### This information was generated by the HP KEYMARK database on 5 Jul 2022

#### **Login**

Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 80 S - COMPACT	Reg. No.	ICIM-PDC-000118
Certificate Holder			
Name	Ariston Thermo Group		
Address	Viale Aristide Merloni 45	Zip	I-60044
City	Fabriano (AN)	Country	Italy
Certification Body	ICIM S.p.A.		
Subtype title	NIMBUS/ARIANEXT/AEROTOP/ENERGION 80 S - COMPACT		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	nt 1.8 kg		
Certification Date	05.07.2022		
Testing basis	Heat Pump KEYMARK rev9		

# **Model: NIMBUS COMPACT 80 S 2Z NET R32**

Configure model	
Model name	NIMBUS COMPACT 80 S 2Z NET R32
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional) +7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

# Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)



# $$\operatorname{Page}\ 7$$ of 73 This information was generated by the HP KEYMARK database on 5 Jul 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



# **Model: NIMBUS COMPACT 80 S NET R32**

Configure model		
Model name	NIMBUS COMPACT 80 S NET R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 1x230V 50Hz		

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow passed	
Complete power supply failure passed	
Defrost test passe	
Starting and operating test	passed

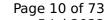
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825



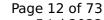


This information was generated by the file	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

# **Model: NIMBUS COMPACT 80 S-T 2Z NET R32**

Configure model		
Model name NIMBUS COMPACT 80 S-T 2Z NET R32		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

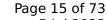
General Data		
Power supply 3x400V 50Hz		

# Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

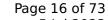
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

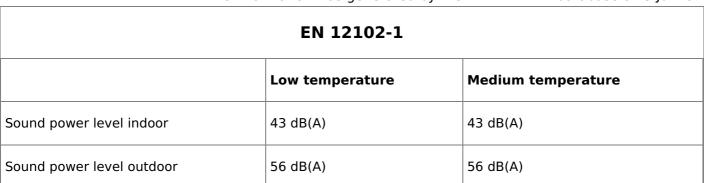
#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh

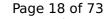




CEN heat pump

	EN 14825	
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
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Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

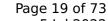
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Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



# **Model: NIMBUS COMPACT 80 S-T NET R32**

Configure model		
Model name NIMBUS COMPACT 80 S-T NET R32		
Application Heating + DHW + low temp		
ts Indoor + Outdoor		
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

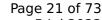
General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

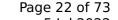
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C 7 kW **Pdesignc SEER** 4.64  $Pdc Tj = 35^{\circ}C$ 7 kW EER Tj = 35°C 3.1  $Pdc Tj = 30^{\circ}C$ 5.17 kW EER Tj = 30°C 4.13 Cdc Tj = 30 °C0.99  $Pdc Tj = 25^{\circ}C$ 3.32 kW 4.89 EER Tj = 25°C 0.98 Cdc Tj = 25 °C $Pdc Tj = 20^{\circ}C$ 3.19 kW 6.85 EER Tj = 20°C Cdc Tj = 20 °C0.97 Poff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

# Average Climate

Annual energy consumption Qce

1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
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COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233	



# **Model: ARIANEXT COMPACT 80 S 2Z LINK R32**

Configure model		
Model name ARIANEXT COMPACT 80 S 2Z LINK R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

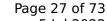
General Data		
Power supply 1x230V 50Hz		

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

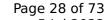
# Cooling





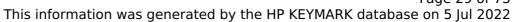
EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
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Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh

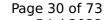




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
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COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

# **Model: ARIANEXT COMPACT 80 S LINK R32**

Configure model		
Model name	ARIANEXT COMPACT 80 S LINK R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

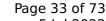
General Data		
Power supply	1x230V 50Hz	

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

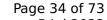
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh

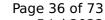




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

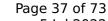
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guidant and g	<u> </u>	
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

# Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

## **Model: ARIANEXT COMPACT 80 S-T 2Z LINK R32**

Configure model		
Model name ARIANEXT COMPACT 80 S-T 2Z LINK R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

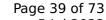
General Data	
Power supply	3x400V 50Hz

### Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

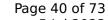
# Cooling





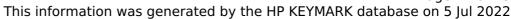
EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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guidant and g	<u> </u>	
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

### Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



## **Model: ARIANEXT COMPACT 80 S-T LINK R32**

Configure model		
Model name	ARIANEXT COMPACT 80 S-T LINK R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

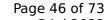
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





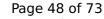
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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guidant and general		· · · · · · · · · · · · · · · · · · ·
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233	

## **Model: AEROTOP SPLIT 08.2 M-CRX 2Z**

Configure model		
Model name	AEROTOP SPLIT 08.2 M-CRX 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

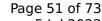
General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

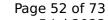
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

#### EN 14825





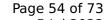
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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This information was gene	racea by the fir RETI-	ii ii ii ii database on s jai 202
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



## **Model: AEROTOP SPLIT 08.2 M-CRX 1Z**

Configure model		
Model name	AEROTOP SPLIT 08.2 M-CRX 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

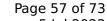
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

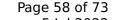
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

#### EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C 7 kW **Pdesignc SEER** 4.64  $Pdc Tj = 35^{\circ}C$ 7 kW EER Tj = 35°C 3.1  $Pdc Tj = 30^{\circ}C$ 5.17 kW EER Tj = 30°C 4.13 Cdc Tj = 30 °C0.99  $Pdc Tj = 25^{\circ}C$ 3.32 kW 4.89 EER Tj = 25°C 0.98 Cdc Tj = 25 °C $Pdc Tj = 20^{\circ}C$ 3.19 kW 6.85 EER Tj = 20°C Cdc Tj = 20 °C0.97 Poff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

### Average Climate

Annual energy consumption Qce

1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36





guidant and g	<u> </u>	
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

### Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



## **Model: AEROTOP SPLIT 08.2 M-CR 2Z**

Configure model		
Model name	AEROTOP SPLIT 08.2 M-CR 2Z	
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

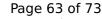
General Data		
Power supply	Power supply 3x400V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

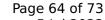
# Cooling





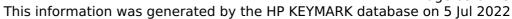
EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

#### EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
$\eta_{s}$	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

## **Model: AEROTOP SPLIT 08.2 M-CR 1Z**

Configure model		
Model name	AEROTOP SPLIT 08.2 M-CR 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

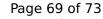
General Data		
Power supply	3x400V 50Hz	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

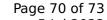
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

#### EN 14825





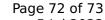
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
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Sound power level indoor	39 dB(A)	39 dB(A)
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