PRD Nº 004 B





Certificazione di Prodotto Product Certification

Certificato N. Certificate No.

ICIM-PDC-000192

TITOLARE DEL CERTIFICATO / CERTIFICATE HOLDER

Bosch Thermotechnik GmbH (Buderus)

Junkersstraße 20 - 24 73249 Wernau - Germany

UNITÀ PRODUTTIVE / PRODUCTION SITES

2022101401DB - IT

PRODOTTI / PRODUCT POMPE DI CALORE HEAT PUMPS

PRODOTTO-TIPO PRODUCT TYPE

BRAND

SOTTO-TIPO SUBTYPE

> MODELLI MODEL(S)

Aria/Acqua Air/Water

Buderus

Logatherm WLW276 31/36/41

WLW276 31 ; WLW276 31 IP ; WLW276 31 P WLW276 31 V ; WLW276 36 ; WLW276 36 IP WLW276 36 P ; WLW276 36 V ; WLW276 41 WLW276 41 IP ; WLW276 41 P ; WLW276 41 V

CONFORMEMENTE ALLA NORMA ED AL DOCUMENTO NORMATIVO ICIM IN COMPLIANCE WITH THE STANDARD AND WITH ICIM NORMATIVE DOCUMENT

EN 14511:2018, EN 14825:2018, EN 12102-1:2017, KEYMARK Certification Scheme for Heat Pumps, ICIM 0440CS

Il presente Certificato autorizza il titolare all' utilizzo del marchio di conformità KEYMARK insieme al numero di registrazione specificato. Si veda il database KEYMARK per le informazioni dettagliate - Per verificare la validità del certificato si consulti www.icim.it This certificate entitles the holder to use the KEYMARK mark of conformity in conjunction with the specified registration number. See HP KEYMARK database for/detailed information - To check the validity of this certificate please visit www.icim.it

Vincenzo Delacqua Rappresentante Direzione / Management Representative

ICIM S.p.A.

PRIMA EMISSIONE FIRST ISSUE 23/01/2023 EMISSIONE CORRENTE CURRENT ISSUE 23/01/2023

DATA DI SCADENZA EXPIRING DATE

03/11/2033

ICIM S.p.A. - Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI)

Capitale Sociale € 260.000,00 int. versato ed esistente C.F./P.IVA e Iscriz. Reg. Imprese n. 2908230159 - R.E.A. n. MI-1596292.

Società soggetta all'attività di direzione e coordinamento di ICIM GROUP Srl



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<u>Login</u>			
Summary of	Buderus Logatherm WLW276 31/36/41	Reg. No.	ICIM-PDC-000192
Certificate Holder			
Name	Name Bosch Thermotechnik GmbH (Buderus)		
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	Country	Germany
Certification Body	ICIM S.p.A.		
Subtype title	Buderus Logatherm WLW276 31/36/41		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	14 kg		
Certification Date	23.01.2023		
Testing basis	Heat Pump KEYMARK V11		



Model: WLW276 31

Configure model			
Model name	WLW276 31		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	49.95 kW	46.5 kW
El input	11.33 kW	17.22 kW
СОР	4.41	2.7

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

Average Climate



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η _s	170 %	126 %	
Prated	34.1 kW	33.2 kW	
SCOP	4.33	3.24	
Tbiv	-7 °C	-6 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	30.13 kW	26.6 kW	
COP Tj = -7°C	2.81	1.87	
Cdh Tj = -7 °C	0.9	0.9	
Pdh Tj = +2°C	21.36 kW	18.78 kW	
COP Tj = +2°C	4.47	3.26	
Cdh Tj = +2 °C	0.9	0.9	
Pdh Tj = +7°C	25.09 kW	23.27 kW	
COP Tj = +7°C	5.61	4.49	
Cdh Tj = +7 °C	0.95	0.98	
Pdh Tj = 12°C	29.72 kW	28.35 kW	

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	-	
COP Tj = 12°C	7.27	6.23
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	30.13 kW	28.13 kW
COP Tj = Tbiv	2.81	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.65 kW	14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.6	1.1
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	19.24 kW
Annual energy consumption Qhe	16247 kWh	21227 kWh



Model: WLW276 31 IP

Configure model			
Model name	WLW276 31 IP		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	49.95 kW	46.5 kW
El input	11.33 kW	17.22 kW
СОР	4.41	2.7

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

Average Climate



This information was generated by the HP KEYMARK database on 30 Jan 2023

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	126 %
Prated	34.1 kW	33.2 kW
SCOP	4.33	3.24
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	30.13 kW	26.6 kW
COP Tj = -7°C	2.81	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	21.36 kW	18.78 kW
COP Tj = +2°C	4.47	3.26
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.09 kW	23.27 kW
COP Tj = +7°C	5.61	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.72 kW	28.35 kW

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This information was generated by the HP KEYMARK database on 30 Jan 2023

	-	-
COP Tj = 12°C	7.27	6.23
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	30.13 kW	28.13 kW
COP Tj = Tbiv	2.81	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.65 kW	14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.6	1.1
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	19.24 kW
Annual energy consumption Qhe	16247 kWh	21227 kWh



Model: WLW276 31 P

Configure model		
Model name	WLW276 31 P	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperat		Medium temperature
Heat output	49.95 kW	46.5 kW
El input	11.33 kW	17.22 kW
СОР	4.41	2.7

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

Average Climate



This information was generated by the HP KEYMARK database on 30 Jan 2023

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	126 %
Prated	34.1 kW	33.2 kW
SCOP	4.33	3.24
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	30.13 kW	26.6 kW
COP Tj = -7°C	2.81	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	21.36 kW	18.78 kW
COP Tj = +2°C	4.47	3.26
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.09 kW	23.27 kW
COP Tj = +7°C	5.61	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.72 kW	28.35 kW

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This information was generated	by the HP KEYMARK database on 30) Jan 2023

COP Tj = 12°C	7.27	6.23
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	30.13 kW	28.13 kW
COP Tj = Tbiv	2.81	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.65 kW	14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.6	1.1
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	19.24 kW
Annual energy consumption Qhe	16247 kWh	21227 kWh



Model: WLW276 31 V

Configure model		
Model name	WLW276 31 V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	49.95 kW	46.5 kW	
El input	11.33 kW	17.22 kW	
СОР	4.41	2.7	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	75 dB(A)	75 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	126 %
Prated	34.1 kW	33.2 kW
SCOP	4.33	3.24
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	30.13 kW	26.6 kW
COP Tj = -7°C	2.81	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	21.36 kW	18.78 kW
COP Tj = +2°C	4.47	3.26
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.09 kW	23.27 kW
COP Tj = +7°C	5.61	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.72 kW	28.35 kW



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This information was generated by the HP KEYMARK database on	30 Ja	an 2023

COP Tj = 12°C	7.27	6.23
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	30.13 kW	28.13 kW
COP Tj = Tbiv	2.81	2
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	28.65 kW	14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.6	1.1
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	19.24 kW
Annual energy consumption Qhe	16247 kWh	21227 kWh



Model: WLW276 36

Configure model		
Model name	WLW276 36	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	54.15 kW	51.91 kW	
El input	12.83 kW	19.37 kW	
СОР	4.22	2.68	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	125 %
Prated	38.6 kW	37.27 kW
SCOP	4.33	3.19
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	34.16 kW	30.48 kW
COP Tj = -7°C	2.76	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.74 kW	20.42 kW
COP Tj = +2°C	4.41	3.17
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.15 kW	23.63 kW
COP Tj = +7°C	5.53	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.8 kW	28.56 kW



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This information was g	generated by the HP KEYMARK	database on 30 Jan 2023
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COP Tj = 12°C	7.15	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	34.16 kW	31.53 kW
COP Tj = Tbiv	2.76	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.22 kW	15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.25
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	22.27 kW
Annual energy consumption Qhe	18442 kWh	24126 kWh



Model: WLW276 36 IP

Configure model			
Model name	WLW276 36 IP		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	54.15 kW	51.91 kW
El input	12.83 kW	19.37 kW
СОР	4.22	2.68

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	125 %
Prated	38.6 kW	37.27 kW
SCOP	4.33	3.19
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	34.16 kW	30.48 kW
COP Tj = -7°C	2.76	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.74 kW	20.42 kW
COP Tj = +2°C	4.41	3.17
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.15 kW	23.63 kW
COP Tj = +7°C	5.53	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.8 kW	28.56 kW



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COP Tj = 12°C	7.15	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	34.16 kW	31.53 kW
COP Tj = Tbiv	2.76	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.22 kW	15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.25
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	22.27 kW
Annual energy consumption Qhe	18442 kWh	24126 kWh



Model: WLW276 36 P

Configure model			
Model name	WLW276 36 P		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	54.15 kW	51.91 kW
El input	12.83 kW	19.37 kW
СОР	4.22	2.68

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	125 %
Prated	38.6 kW	37.27 kW
SCOP	4.33	3.19
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	34.16 kW	30.48 kW
COP Tj = -7°C	2.76	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.74 kW	20.42 kW
COP Tj = +2°C	4.41	3.17
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.15 kW	23.63 kW
COP Tj = +7°C	5.53	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.8 kW	28.56 kW



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This information was generated by the HP KEYMARK database	on 30	Jan 2023

COP Tj = 12°C	7.15	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	34.16 kW	31.53 kW
COP Tj = Tbiv	2.76	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.22 kW	15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.25
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	22.27 kW
Annual energy consumption Qhe	18442 kWh	24126 kWh



Model: WLW276 36 V

Configure model		
Model name	WLW276 36 V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	54.15 kW	51.91 kW
El input	12.83 kW	19.37 kW
СОР	4.22	2.68

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	78 dB(A)	78 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	170 %	125 %
Prated	38.6 kW	37.27 kW
SCOP	4.33	3.19
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	34.16 kW	30.48 kW
COP Tj = -7°C	2.76	1.87
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.74 kW	20.42 kW
COP Tj = +2°C	4.41	3.17
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.15 kW	23.63 kW
COP Tj = +7°C	5.53	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.8 kW	28.56 kW



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This information was g	generated by the HP KEYMARK	database on 30 Jan 2023
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COP Tj = 12°C	7.15	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	34.16 kW	31.53 kW
COP Tj = Tbiv	2.76	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	33.22 kW	15 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.25
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.4 kW	22.27 kW
Annual energy consumption Qhe	18442 kWh	24126 kWh



Model: WLW276 41

Configure model			
Model name	WLW276 41		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	62.2 kW	56.69 kW
El input	15.43 kW	21 kW
СОР	4.03	2.7

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	80 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	168 %	124 %
Prated	43 kW	40.32 kW
SCOP	4.28	3.16
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	38.01 kW	33.01 kW
COP Tj = -7°C	2.75	1.86
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.78 kW	21.39 kW
COP Tj = +2°C	4.35	3.12
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.19 kW	23.63 kW
COP Tj = +7°C	5.44	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.84 kW	28.56 kW



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COP Tj = 12°C	7.04	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	38.01 kW	34.12 kW
COP Tj = Tbiv	2.75	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	35.92 kW	16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.04 kW	24.32 kW
Annual energy consumption Qhe	20714 kWh	26340 kWh



Model: WLW276 41 IP

Configure model			
Model name	WLW276 41 IP		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	62.2 kW	56.69 kW	
El input	15.43 kW	21 kW	
СОР	4.03	2.7	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	80 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	168 %	124 %
Prated	43 kW	40.32 kW
SCOP	4.28	3.16
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	38.01 kW	33.01 kW
COP Tj = -7°C	2.75	1.86
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	22.78 kW	21.39 kW
COP Tj = +2°C	4.35	3.12
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	25.19 kW	23.63 kW
COP Tj = +7°C	5.44	4.49
Cdh Tj = +7 °C	0.95	0.98
Pdh Tj = 12°C	29.84 kW	28.56 kW



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This information	was generated b	y the HP KEYMARK	database on 30	Jan 2023

COP Tj = 12°C	7.04	6.25
Cdh Tj = +12 °C	0.95	0.98
Pdh Tj = Tbiv	38.01 kW	34.12 kW
COP Tj = Tbiv	2.75	1.93
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.59	1.2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	60 °C	60 °C
Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.04 kW	24.32 kW
Annual energy consumption Qhe	20714 kWh	26340 kWh



Model: WLW276 41 P

Configure model		
Model name	WLW276 41 P	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	62.2 kW	56.69 kW	
El input	15.43 kW	21 kW	
СОР	4.03	2.7	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	80 dB(A)	80 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_s	168 %	124 %	
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Poff	90 W	90 W
РТО	150 W	150 W
PSB	90 W	90 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.04 kW	24.32 kW
Annual energy consumption Qhe	20714 kWh	26340 kWh



Model: WLW276 41 V

Configure model			
Model name	WLW276 41 V		
Application	Heating (medium temp)		
Units	Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	62.2 kW	56.69 kW	
El input	15.43 kW	21 kW	
СОР	4.03	2.7	

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

Average Climate



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Pdh Tj = 12°C	29.84 kW	28.56 kW	



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This information	was generated b	v the HP KEYMARK	database on 30	lan 2023
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Supplementary Heater: PSUP	7.04 kW	24.32 kW
Annual energy consumption Qhe	20714 kWh	26340 kWh