

Reversible air-to-water heat pump for close to the wall installation

Order reference: LA 6MR Installation location: Outdoors Flow temperature max 55 °C

Casing, powder-coated

Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data LA 6MR

Dimplex Reversible air-to-water heat pum	Dimplex Reversible air-to-water heat pump for close to the wall installation (Low temperature)				
Order reference		LA 6MR			
Set-up / Colour		Outdoors / White aluminium			
Temperature operating limits for heating water / Air		55 °C / -20 °C			
Temperature operating limits air		-20 °C to 35 °C			
Temperature operating limits for cooling		15 °C / 45 °C			
Heat output / COP at A+7/W35*	kW/-	6,00 / 3,00			
Cooling capacity / COP at A+35/W8*	kW/-	6,00 / 2,00			
Sound power level	db(A)	72			
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	47			
Refrigerant R407C	kg	0,00			
Dimensions (W x D x H)**	mm	1270 x 670 x 860			
Weight (incl. packing)	kg	159			
Control voltage	V	230			
Supply voltage		1/N/PE~230V, 50Hz			
Starting current with soft starter	Α	0			
Fuse	A	20			
Defrosting / type of defrosting		Reverse cycle			
Device connections for heating		1"			

 $^{^{\}star}$ The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 6MR



Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible air-to-water heat pump for close to the wall installation	LA 6MR	350790	1		
Hydraulic accessories					
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Air-to-water heat pump for close to the wall installation

Order reference: LA 8AS
Installation location: Outdoors
Flow temperature max 55 °C
Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and stainless steel base frame. Diagonal airducts enable the unit to be installed close to the wall (minimum clearance of air intake: 30cm); if exposed to the elements, the air discharge must not point into the main direction of the wind; sound-optimised through use of slow-running sickle-blade axial fans; energy-efficient defrosting through cycle reversal and inclined evaporator; return sensor and outside temperature sensor are supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller to be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 8AS

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Dimplex Air-to-water heat pump for close	to the wall installa	ation (Low temperature)
Order reference		LA 8AS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	5,10 / 2,50
Heat output / COP at A+2/W35*	kW/-	6,60 / 3,10
Heat output / COP at A+7/W35*	kW/-	8,30 / 3,70
Heat output / COP at A+10/W35*	kW/-	8,80 / 3,80
Electrical nominal power consumption at A+2/W35	kW	2,10
Sound power level	db(A)	62
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	32
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	49
Refrigerant R404A	kg	1,90
Heating water flow rate with an int. pressure differential of	m³/h / mbar	0.8 / 2700
Dimensions (W x D x H)**	mm	750 x 650 x 1280
Weight (incl. packing)	kg	166
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	Α	19,5
Fuse	Α	16
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 8AS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump for close to the wall installation	LA 8AS	342230	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Floor-mounted buffer tank (100 l)*	PSW 100	351090			
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
Hot water cylinder (300 l) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	'		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 632	322140	1		
6 kW immersion heater for back-up heating	CTHK 634	322150	•		
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*	1 445 730	040100			
Control accessories					
	FWPM 470	337470			
Heat pump manager remote control*					
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

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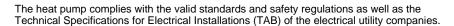


Reversible air-to-water heat pump for close to the wall installation

Order reference: LA 8MR Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating

temperature sensor.



circulating pump, expansion vessel, safety assembly, return and outside



Technical data LA 8MR

Dimplex Reversible air-to-water heat pum	Dimplex Reversible air-to-water heat pump for close to the wall installation (Low temperature)				
Order reference		LA 8MR			
Set-up / Colour		Outdoors / White aluminium			
Temperature operating limits for heating water / Air		55 °C / -20 °C			
Temperature operating limits air		-20 °C to 35 °C			
Temperature operating limits for cooling		15 °C / 45 °C			
Heat output / COP at A+7/W35*	kW/-	7,00 / 3,00			
Cooling capacity / COP at A+35/W8*	kW/-	7,00 / 2,00			
Refrigerant R407C	kg	0,00			
Dimensions (W x D x H)**	mm	1270 x 670 x 860			
Weight (incl. packing)	kg	165			
Control voltage	V	230			
Supply voltage		1/N/PE~230V, 50Hz			
Starting current with soft starter	Α	0			
Fuse	A	20			
Defrosting / type of defrosting		Reverse cycle			
Device connections for heating		1"			

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 8MR



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Reversible air-to-water heat pump for close to the wall installation	LA 8MR	350800	1		
Control line for heating/cooling heat pump manager (10 m)	EVL 10 R	342510	1		
Control line for heating/cooling heat pump manager (20 m)	EVL 20 R	342520			
Control line for heating/cooling heat pump manager (30 m)	EVL 30 R	342530			
Hydraulic accessories					
1" connecting hose (10 m)	AS 976	322180	2		
Hose nozzle for 1" / 1" connecting hose	SCHT 975-1	322250	2		
Nozzle for 1" connecting hose	TUE 430	337430	2		
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	'		
Universal buffer tank (500 I)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits	040040	'		
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories		331133			
	\\\\\CD 222	246640	4		
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	l l		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25 WWSP 880	348430			
Hot water cylinder (400 l) with temperature sensor*	VVVSP 880 VTB 25	337880 339870			
Manifold bar for KPV 25 and HHM 25 connection			1		
Hot water module	WWM 25	346600	I I		
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch	RTK 501 U	350960			
mounting frame for flush mounting*					
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
reat pump (neating only) start-up	IN UT WP	341730	I		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Medium-temperature air-to-water heat pump

Order reference: LA 9PS Installation location: Outdoors Flow temperature max 65 °C Casing, powder-coated

Medium-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager)sound-optimised through use of slow-running sickle-blade axial fans; energy-efficient defrosting through cycle reversal; return sensor and outside temperature sensor are supplied with the unit. Electric connecting cable between heat pump and heat pump controller to be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 9PS

Technical data LA 9F3		
Dimplex Medium-temperature air-to-water	heat pump (Mediu	um temperature)
Order reference		LA 9PS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		65 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	5,60 / 2,60
Heat output / COP at A+2/W35*	kW/-	7,10 / 3,20
Heat output / COP at A+7/W35*	kW/-	8,50 / 3,60
Heat output / COP at A+10/W35*	kW/-	9,60 / 4,00
Electrical nominal power consumption at A+2/W35	kW	2,20
Sound power level	db(A)	62
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	32
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	49
Refrigerant R290	kg	1,00
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.2 / 9000
Dimensions (W x D x H)**	mm	660 x 770 x 1320
Weight (incl. packing)	kg	168
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	28
Fuse	A	16
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 9PS



Description	Order ref.	Article	Sample	ltem	Price
		number	item		
Heat pumps					
Medium-temperature air-to-water heat pump	LA 9PS	340000	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Built-under buffer tank (140 l) for LI 11-20*	PSP 140E	353970			
Floor-mounted buffer tank (200 I)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
Hot water cylinder (300 I) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Design hot water cylinder (400 l)*	WWSP 442E	353370			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*		0.0.00			
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
-	111111 000	022010			
Start-up (no discount available)	IN O4 WD	044750			
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Reversible air-to-water heat pump for close to the wall installation

Order reference: LA 10MR Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation, with a reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data LA 10MR

Dimplex Reversible air-to-water heat pum	Dimplex Reversible air-to-water heat pump for close to the wall installation (Low temperature)				
Order reference		LA 10MR			
Set-up / Colour		Outdoors / White aluminium			
Temperature operating limits for heating water / Air		55 °C / -20 °C			
Temperature operating limits air		-20 °C to 35 °C			
Temperature operating limits for cooling		15 °C / 45 °C			
Heat output / COP at A+7/W35*	kW/-	8,00 / 3,00			
Cooling capacity / COP at A+35/W8*	kW/-	8,00 / 2,00			
Refrigerant R407C	kg	0,00			
Dimensions (W x D x H)**	mm	1270 x 670 x 860			
Weight (incl. packing)	kg	170			
Control voltage	V	230			
Supply voltage		1/N/PE~230V, 50Hz			
Starting current with soft starter	Α	0			
Fuse	A	25			
Defrosting / type of defrosting		Reverse cycle			
Device connections for heating		1"			

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 10MR



Description	Order ref.	Article number	Sample item	Item	Price
		number	item		
Heat pumps					
Reversible air-to-water heat pump for close to the wall installation	LA 10MR	350810	1		
Hydraulic accessories					
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
DHW preparation accessories					
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:
The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Air-to-water heat pump with air deflection hoods

Order reference: LA 11MS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 11MS

Order reference		LA 11MS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	7,60 / 2,90
Heat output / COP at A+2/W35*	kW/-	9,10 / 3,40
Heat output / COP at A+7/W35*	kW/-	10,90 / 4,10
Heat output / COP at A+10/W35*	kW/-	12,00 / 4,60
Electrical nominal power consumption at A+2/W35	kW	2,65
Sound power level	db(A)	63
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	33
Refrigerant R404A	kg	2,50
leating water flow rate with an int. pressure lifferential of	m³/h / mbar	1.0 / 3000
Dimensions (W x D x H)**	mm	1360 x 850 x 1360
Veight (incl. packing)	kg	219
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	38 SA
use	A	25
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 11MS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection hoods	LA 11MS	342420	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)	AS 976	322180	2		
Hose nozzle for 1" / 1" connecting hose	SCHT 975-1	322250	2		
Nozzle for 1" connecting hose	TUE 430	337430	2		
Floor-mounted buffer tank (100 l)	PSW 100	351090	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
Floor-mounted buffer tank (200 l)*	PSW 200	339830			
3 kW radiator	HCT 300	351210	1		
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit Circulating pump for main heat pump circuit	UP 80	340300	,		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
<u> </u>	bauseits	340000	1		
Circulating pump depending on heating system pressure drop Mixed heating circuit with temperature sensor	MMH 25	348640	1		
•	bauseits	340040	'		
Circulating pump depending on heating system pressure drop		240000			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
Hot water cylinder (300 I) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430	1		
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 I) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
	IN O4 M/D	241750	1		
Heat pump (heating only) start-up	IN 01 WP	341750	ſ		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 09.03.2007



Air-to-water heat pump with air deflection hoods

Order reference: LA 11AS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 11AS

Technical data EA TTAG		
Dimplex Air-to-water heat pump with air of	deflection hoods (L	Low temperature)
Order reference		LA 11AS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	7,10 / 2,90
Heat output / COP at A+2/W35*	kW/-	8,80 / 3,20
Heat output / COP at A+7/W35*	kW/-	11,30 / 3,80
Heat output / COP at A+10/W35*	kW/-	12,20 / 4,10
Electrical nominal power consumption at A+2/W35	kW	2,74
Sound power level	db(A)	63
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	33
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	50
Refrigerant R404A	kg	2,50
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.0 / 3000
Dimensions (W x D x H)**	mm	1360 x 850 x 1360
Weight (incl. packing)	kg	219
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	23
Fuse	Α	16
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 11AS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection hoods	LA 11AS	339950	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 990-1	322010			
Heat source accessories	D001/ 100				
Rock covering for LA 11	ROCK 136	354040			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Floor-mounted buffer tank (100 I)*	PSW 100	351090			
Floor-mounted buffer tank (200 I)*	PSW 200	339830			
Universal buffer tank (500 l)*	PSW 500	339210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650			
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
•					
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
Hot water cylinder (300 I) with temperature sensor*	WWSP 332	346610			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Combination cylinder for heating and DHW preparation	PWS 332	348620	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
7.5 kW immersion heater for back-up heating	CTHK 635	322160			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430	·		
Safety valve combination	SVK 852	326660			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
	WWM 25		1		
Hot water module	-	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
reat partip (ficaling only) start-up	IIN OT VVF	J+1750			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

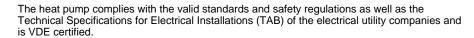
Internet: 05.03.2007



Reversible air-to-water heat pump with additional heat exchanger

Order reference: LA 11ASR Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and reversible refrigeration cycle for heating and cooling. An additional heat exchanger increases the hot water temperature in the heating mode and uses the waste heat generated in the cooling mode; sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable EVL..R between heat pump and heat pump controller must be ordered separately.





Technical data LA 11ASR

Outdoors / White aluminium Semperature operating limits for heating water / Air S5 °C /-20 °C			
Outdoors / White aluminium Semperature operating limits for heating water / Air 55 °C / -20 °C	Dimplex Reversible air-to-water heat pump	with additional h	eat exchanger (Low temperature)
remperature operating limits for heating water / Air	Order reference		LA 11ASR
remperature operating limits air -20 °C to 35 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 15 °C / 40 °C remperature operating limits for cooling 18,80 / 3,20 releat output / COP at A+2/W35* kW/- 11,30 / 3,80 releat output / COP at A+2/W35* kW/- 12,20 / 4,10 repol / 3,30 releat output / COP at A+27/W18* kW/- 10,90 / 3,30 releat output / COP at A+27/W18* kW/- 10,90 / 3,30 releat output / COP at A+27/W18* kW/- 10,90 / 3,30 releat output / COP at A+27/W18* kW/- 10,90 / 3,30 releat output / COP at A+27/W18* kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal power consumption at A+2/W35 kW/- 10,90 / 3,30 relectrical nominal	Set-up / Colour		Outdoors / White aluminium
15 °C / 40 °C	Temperature operating limits for heating water / Air		55 °C / -20 °C
Rear output / COP at A-7/W35* kW/- 7,10 / 2,90 Rear output / COP at A+2/W35* kW/- 8,80 / 3,20 Rear output / COP at A+7/W35* kW/- 11,30 / 3,80 Rear output / COP at A+10/W35* kW/- 12,20 / 4,10 Rear output / COP at A+27/W18* kW/- 10,90 / 3,30 Rear output / COP at A+35/W8* kW/- 10,90 / 3,30 Rear output / COP at A+35/W8* kW/- 7,80 / 2,20 Rear output / COP at A+35/W8* kW/- 7,80 / 2,20 Rear output / COP at A+35/W8* kW/- 7,80 / 2,20 Rear output / COP at A+35/W8* kW/- 7,80 / 2,20 Rear output / COP at A+35/W8* kW/- 10,90 / 3,30 Rear output / COP at A+35/W8* kW/- 10,90 / 3,30 Rear output / COP at A+35/W8* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+30/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear output / COP at A+20/W35* kW/- 10,90 / 3,30 Rear outp	Temperature operating limits air		-20 °C to 35 °C
Seat output / COP at A+2/W35*	Temperature operating limits for cooling		15 °C / 40 °C
Reat output / COP at A+7/W35*	Heat output / COP at A-7/W35*	kW/-	7,10 / 2,90
Sear output / COP at A+10/W35* KW/- 12,20 / 4,10 10,90 / 3,30 10,90 / 3	Heat output / COP at A+2/W35*	kW/-	8,80 / 3,20
cooling capacity / COP at A+27/W18* kW/- cooling capacity / COP at A+35/W8* kW/- cooling capacity / COP at A+35/W8* kW/- clectrical nominal power consumption at A+2/W35 kW 2,00 cound power level db(A) 63 cound pressure level at a distance of 10 m (air outlet db(A) 33 cide) cound pressure level at a distance of 1 m (air outlet db(A) 50 cound pressure level at a distance of 1 m (air outlet db(A) 50 ceringerant R404A kg 5,90 certiferential of m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure with an int. pressure m3/h / mbar differential of cound pressure differential db(A)	Heat output / COP at A+7/W35*	kW/-	11,30 / 3,80
Cooling capacity / COP at A+35/W8* KW/- 7,80 / 2,20	Heat output / COP at A+10/W35*	kW/-	12,20 / 4,10
Electrical nominal power consumption at A+2/W35 kW 2,00 db(A) 63 dound power level db(A) 63 dound pressure level at a distance of 10 m (air outlet db(A) 33 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 1 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (air outlet db(A) 50 dound pressure level at a distance of 10 m (ai	Cooling capacity / COP at A+27/W18*	kW/-	10,90 / 3,30
Sound power level db(A) 63 Sound pressure level at a distance of 10 m (air outlet db(A) 33 Sound pressure level at a distance of 1 m (air outlet db(A) 50 Sound pressure level at a distance of 1 m (air outlet db(A) 50 Sefrigerant R404A kg 5,90 Sefrigerant R404A kg 5,90 Sefrigerant R404A make at a distance of 1 m (air outlet db(A) 50 Sefrigerant R404A kg 5,90 Sefrigerant R404A kg 5	Cooling capacity / COP at A+35/W8*	kW/-	7,80 / 2,20
Sound pressure level at a distance of 10 m (air outlet db(A) 33 Gound pressure level at a distance of 1 m (air outlet db(A) 50 Gound pressure level at a distance of 1 m (air outlet db(A) 50 Gefrigerant R404A kg 5,90 Getrigerant R404A kg 5,90 Getrigerant R404A kg 1.0 / 3000 Getrigerant R404A kg 5,90 Getrigerant R404A kg 5,90 Getrigerant R404A kg 5,90 Mayber at the second of the secon	Electrical nominal power consumption at A+2/W35	kW	2,00
ide) Sound pressure level at a distance of 1 m (air outlet db(A) 50 Refrigerant R404A kg 5,90 Releating water flow rate with an int. pressure m³/h / mbar ifferential of pimensions (W x D x H)** mm 1360 x 850 x 1360 Veight (incl. packing) kg 241 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Five A 16 Reverse cycle	Sound power level	db(A)	63
dide) kg 5,90 Refrigerant R404A kg 5,90 Releating water flow rate with an int. pressure m³/h / mbar 1.0 / 3000 ifferential of Dimensions (W x D x H)** mm 1360 x 850 x 1360 Veight (incl. packing) kg 241 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Starting current with soft starter A 16 Defrosting / type of defrosting Reverse cycle	Sound pressure level at a distance of 10 m (air outlet side)	db(A)	33
Reating water flow rate with an int. pressure m³/h / mbar 1.0 / 3000 ifferential of Dimensions (W x D x H)** mm 1360 x 850 x 1360 Veight (incl. packing) kg 241 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Fuse A 16 Defrosting / type of defrosting Reverse cycle	Sound pressure level at a distance of 1 m (air outlet side)	db(A)	50
ifferential of mm 1360 x 850 x 1360 Veight (incl. packing) kg 241 Vontrol voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Suse A 16 Defrosting / type of defrosting Reverse cycle	Refrigerant R404A	kg	5,90
Veight (incl. packing) kg 241 Control voltage V 230 Supply voltage Starting current with soft starter A 23 Suse A 16 Defrosting / type of defrosting Reverse cycle	Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.0 / 3000
Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Suse A 16 Defrosting / type of defrosting Reverse cycle	Dimensions (W x D x H)**	mm	1360 x 850 x 1360
Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 23 Suse A 16 Defrosting / type of defrosting Reverse cycle	Weight (incl. packing)	kg	241
Starting current with soft starter A 23 Fuse A 16 Defrosting / type of defrosting Reverse cycle	Control voltage	V	230
Tuse A 16 Defrosting / type of defrosting Reverse cycle	Supply voltage		3/PE~400V, 50 Hz
Defrosting / type of defrosting Reverse cycle	Starting current with soft starter	Α	23
,	Fuse	А	16
Pevice connections for heating 1"	Defrosting / type of defrosting		Reverse cycle
	Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

** Please note that additional space is required for pipe connections, operation and maintenance.

Internet: 05.03.2007

System accessories LA 11ASR



Description	Order ref.	Article	Sample	ltem	Price
		number	item		
Heat pumps					
Reversible air-to-water heat pump with additional heat exchanger	LA 11ASR	342730	1		
Control line for heating/cooling heat pump manager (10 m)	EVL 10 R	342510	1		
Control line for heating/cooling heat pump manager (20 m)	EVL 20 R	342520			
Control line for heating/cooling heat pump manager (30 m)	EVL 30 R	342530			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 I)*	PSW 500	339210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
Hot water cylinder (300 I) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 I) with temperature sensor*	WWSP 880	337880			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Control accessories					
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch	RTK 501 U	350960			
mounting frame for flush mounting*	10110	330300			
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)	17 VV VVI IVI	000070			
	IN 04 14/D	0.44750			
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Notes

Room climate control station and mixer module enable silent cooling via panel heating systems.

Important information:

Internet: 05.03.2007

System accessories LA 11ASR



The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007 Phone: +49 (0)9221 709-201 Fax: +49 (0)9221 709-339



Air-to-water heat pump with air deflection hoods

Order reference: LA 11MS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 11MS

Order reference		LA 11MS
et-up / Colour		Outdoors / White aluminium
emperature operating limits for heating water / Air		55 °C / -20 °C
emperature operating limits air		-20 °C to 35 °C
leat output / COP at A-7/W35*	kW/-	7,60 / 2,90
leat output / COP at A+2/W35*	kW/-	9,10 / 3,40
leat output / COP at A+7/W35*	kW/-	10,90 / 4,10
leat output / COP at A+10/W35*	kW/-	12,00 / 4,60
lectrical nominal power consumption at A+2/W35	kW	2,65
ound power level	db(A)	63
ound pressure level at a distance of 10 m (air outlet ide)	db(A)	33
lefrigerant R404A	kg	2,50
leating water flow rate with an int. pressure ifferential of	m³/h / mbar	1.0 / 3000
imensions (W x D x H)**	mm	1360 x 850 x 1360
Veight (incl. packing)	kg	219
Control voltage	V	230
supply voltage		1/N/PE~230V, 50Hz
tarting current with soft starter	Α	38 SA
use	Α	25
Pefrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 11MS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection hoods	LA 11MS	342420	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)	AS 976	322180	2		
Hose nozzle for 1" / 1" connecting hose	SCHT 975-1	322250	2		
Nozzle for 1" connecting hose	TUE 430	337430	2		
Floor-mounted buffer tank (100 I)	PSW 100	351090	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
Floor-mounted buffer tank (200 I)*	PSW 200	339830			
3 kW radiator	HCT 300	351210	1		
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	,		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310	,		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits	040000			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits	010010	·		
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
DHW preparation accessories					
	WWSP 332	346610	1		
Hot water cylinder (300 l) with temperature sensor	VSW KS	343120	'		
Hot water connection set for compact brine heat pump	FLH 25M	349430	1		
Flange heater for hot water cylinder 230 V/2.5 kW Safety valve combination	SVK 852	326660	1		
Solar station for hot water	SST 25	348430			
	WWSP 880	337880			
Hot water cylinder (400 I) with temperature sensor* Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
	UP 80	340310	'		
Circulating pump for main heat pump circuit Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*	F VVD 730	349100			
Control accessories					
	DDC WDM	220700			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007



Reversible air-to-water heat pump with air deflection hoods

Order reference: LA 11MSR Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and reversible refrigeration cycle for heating and cooling. Sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable EVL..R between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 11MSR

Dimplex Reversible air-to-water heat pun	np with air deflection	on hoods (Low temperature)
Order reference		LA 11MSR
Set-up / Colour		Outdoors / White
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Temperature operating limits for cooling		15 °C / 40 °C
Heat output / COP at A-7/W35*	kW/-	7,50 / 2,00
Heat output / COP at A+2/W35*	kW/-	8,90 / 3,00
Heat output / COP at A+10/W35*	kW/-	12,10 / 4,00
Cooling capacity / COP at A+27/W18*	kW/-	10,00 / 3,00
Cooling capacity / COP at A+35/W8*	kW/-	7,00 / 2,00
Electrical nominal power consumption at A+2/W35	kW	2,00
Sound power level	db(A)	67
Refrigerant R404A	kg	3,60
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.0 / 3000
Dimensions (W x D x H)**	mm	1360 x 850 x 1360
Weight (incl. packing)	kg	224
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	Α	38
Fuse	Α	25
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 11MSR



Order ref.	Article	Sample	Item	Price
	number	item		
LA 11MSR	342690	1		
DDV 32	348450			
HL 11C	351730			
HL 16C	351740			
HL 26C	351760			
HL 36C	351760			
HL 11SK	351770			
HL 16SK	351780			
PWS 332	348620			
RDS	353790			
LDS	353770			
LDS USB	353780			
RTK 501	343080			
IN 01 WP	341750	1		
	DDV 32 HL 11C HL 16C HL 26C HL 36C HL 11SK HL 16SK PWS 332 RDS LDS LDS LDS LDS USB	DDV 32 348450 HL 11C 351730 HL 16C 351740 HL 26C 351760 HL 36C 351760 HL 11SK 351770 HL 16SK 351780 PWS 332 348620 RDS 353790 LDS 353770 LDS USB 353780 RTK 501 343080	number item LA 11MSR 342690 1 DDV 32 348450 1 HL 11C 351730 1 HL 16C 351740 1 HL 26C 351760 1 HL 36C 351760 1 HL 11SK 351770 1 HL 16SK 351780 1 PWS 332 348620 1 RDS 353770 1 LDS USB 353780 1 RTK 501 343080 1	number item LA 11MSR 342690 1 DDV 32 348450 HL 11C 351730 HL 16C 351740 HL 26C 351760 HL 36C 351760 HL 11SK 351770 HL 16SK 351780 PWS 332 348620 RDS 353790 LDS 353770 LDS USB 353780 RTK 501 343080

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007



Medium-temperature air-to-water heat pumps

Order reference: LA 11PS Installation location: Outdoors Flow temperature max 65 °C Casing, powder-coated

Medium-temperature air-to-water heat pumps for outside installation with external temperature controlled WPM 2006 plus heat pump manager; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient hot gas defrosting. Integrated soft starter; return flow sensor and external temperature sensor included in the scope of supply.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 11PS

Order reference		LA 11PS
Set-up / Colour		Outdoors / White aluminium
emperature operating limits for heating water / Air		65 °C / -25 °C
emperature operating limits air		-25 °C to 35 °C
leat output / COP at A-7/W35*	kW/-	6,70 / 2,40
Heat output / COP at A+2/W35*	kW/-	9,20 / 3,10
Heat output / COP at A+7/W35*	kW/-	11,50 / 3,80
Heat output / COP at A+10/W35*	kW/-	12,50 / 4,10
Electrical nominal power consumption at A+2/W35	kW	2,98
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet ide)	db(A)	34
Refrigerant R290	kg	1,50
leating water flow rate with an int. pressure lifferential of	m³/h / mbar	1.1 / 2600
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Veight (incl. packing)	kg	259
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	30
use	A	16
Defrosting / type of defrosting		
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 11PS



Description	Order ref.	Article	Sample	ltem	Price
		number	item		
Heat pumps					
Medium-temperature air-to-water heat pumps	LA 11PS	353320	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 l)*	PSW 500	339210	·		
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	,		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310	·		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit include Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories	TIE SOOK	331000			
	MANCE 222	240040	4		
Hot water cylinder (300 I) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Combination cylinder for heating and DHW preparation*	PWS 332	348620			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007



Reversible air-to-water heat pump for close to the wall installation

Order reference: LA 12TR
Installation location: Outdoors
Flow temperature max 55 °C

Casing, powder-coated

Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor.



The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data LA 12TR

Dimplex Reversible air-to-water heat pump for close to the wall installation (Low temperature)					
Order reference		LA 12TR			
Set-up / Colour		Outdoors / White aluminium			
Temperature operating limits for heating water / Air		55 °C / -20 °C			
Temperature operating limits air		-20 °C to 35 °C			
Temperature operating limits for cooling		15 °C / 45 °C			
Heat output / COP at A+7/W35*	kW/-	10,00 / 3,00			
Cooling capacity / COP at A+35/W8*	kW/-	10,00 / 2,00			
Refrigerant R407C	kg	0,00			
Dimensions (W x D x H)**	mm	1270 x 670 x 860			
Weight (incl. packing)	kg	185			
Control voltage	V	230			
Supply voltage		3/PE~400V, 50 Hz			
Starting current with soft starter	Α	0			
Fuse	A	16			
Defrosting / type of defrosting		Reverse cycle			
Device connections for heating		1"			

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 12TR



Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible air-to-water heat pump for close to the wall installation	LA 12TR	350820	1		
Hydraulic accessories					
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Internet: 09.03.2007



Air-to-water heat pump with air deflection covers

Order reference: LA 16MS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outside installation with outside temperature controlled heat pump manager; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient defrosting by reverse circulation and inclined evaporator. Return flow sensor and external temperature sensor included in the scope of supply, integrated soft starter. Electric cable connecting heat pump and heat pump manager must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 16MS

Order reference		LA 16MS
Set-up / Colour		Outdoors / White aluminium
emperature operating limits for heating water / Air		55 °C / -20 °C
emperature operating limits air		-20 °C to 35 °C
leat output / COP at A-7/W35*	kW/-	9,80 / 2,60
leat output / COP at A+2/W35*	kW/-	12,70 / 3,20
leat output / COP at A+7/W35*	kW/-	15,40 / 3,70
leat output / COP at A+10/W35*	kW/-	16,10 / 3,80
Electrical nominal power consumption at A+2/W35	kW	3,95
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet ide)	db(A)	34
Refrigerant R404A	kg	3,10
leating water flow rate with an int. pressure lifferential of	m³/h / mbar	1.0 / 4500
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Veight (incl. packing)	kg	264
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	A	45 SA
use	A	32
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 09.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 16MS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection covers	LA 16MS	351270	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)	AS 976	322180	2		
Hose nozzle for 1" / 1" connecting hose	SCHT 975-1	322250	_		
Nozzle for 1" connecting hose	TUE 430	337430			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit Circulating pump for main heat pump circuit	UP 80	340300	'		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
•		340000	I I		
Circulating pump depending on heating system pressure drop	bauseits	249640			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories			_		
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
ion pains (nothing only) other ap		011700			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Reversible air-to-water heat pump for close to the wall installation

Order reference: LA 16TR Installation location: Outdoors Flow temperature max 55 °C

Casing, powder-coated

Air-to-water heat pump for outdoor installation, reversible refrigeration cycle for heating and cooling and built-in heat pump control. A remote control contained in the scope of delivery enables manual setting of the desired return temperature as well as external control via a higher-order control unit, energy-efficient defrosting through cycle reversal. Important assemblies of the heating cycle are already integrated into the unit: Heating circulating pump, expansion vessel, safety assembly, return and outside temperature sensor.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.

Technical data LA 16TR

Dimplex Reversible air-to-water heat pump for close to the wall installation (Low temperature)				
Order reference		LA 16TR		
Set-up / Colour		Outdoors / White aluminium		
Temperature operating limits for heating water / Air		55 °C / -20 °C		
Temperature operating limits air		-20 °C to 35 °C		
Temperature operating limits for cooling		15 °C / 45 °C		
Heat output / COP at A+7/W35*	kW/-	13,00 / 3,00		
Cooling capacity / COP at A+35/W8*	kW/-	12,00 / 2,00		
Refrigerant R407C	kg	0,00		
Dimensions (W x D x H)**	mm	1270 x 670 x 860		
Weight (incl. packing)	kg	196		
Control voltage	V	230		
Supply voltage		3/PE~400V, 50 Hz		
Starting current with soft starter	Α	0		
Fuse	Α	16		
Defrosting / type of defrosting		Reverse cycle		
Device connections for heating		1"		

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 16TR



Description	Order ref.	Article number	Sample item	Item	Price
Heat pumps					
Reversible air-to-water heat pump for close to the wall installation	LA 16TR	350830	1		
Hydraulic accessories					
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Internet: 09.03.2007



Air-to-water heat pump with air deflection hoods

Order reference: LA 16AS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 16AS

Teelilieal data EA TOAO		
Dimplex Air-to-water heat pump with air of	deflection hoods (L	Low temperature)
Order reference		LA 16AS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	9,80 / 2,60
Heat output / COP at A+2/W35*	kW/-	12,20 / 3,20
Heat output / COP at A+7/W35*	kW/-	15,40 / 3,70
Heat output / COP at A+10/W35*	kW/-	16,10 / 3,80
Electrical nominal power consumption at A+2/W35	kW	3,00
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	34
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	51
Refrigerant R404A	kg	3,10
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.4 / 4500
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Weight (incl. packing)	kg	264
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	Α	25
Fuse	Α	20
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 16AS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection hoods	LA 16AS	339960	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Heat source accessories					
Rock covering for LA 11	ROCK 136	354040			
Hydraulic accessories	110011100	00-10-10			
	DOM/ 000	000000	_		
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	_		
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210	4		
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870	_		
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits	0.400.40			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK HL 26SK	351780 351790			
Fan convector for heating/cooling with external thermostat* Fan convector for heating/cooling with external thermostat*	HL 36SK	351790			
	TIL 303K	331800			
DHW preparation accessories	\\!\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
Hot water cylinder (400 I) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060	_		
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220	4		
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit Combi cylinder for heating and domestic hot water preparation with	UP 80 PWD 750	340310	1		
central flow*	PVVD 750	349100			
Control accessories	=0.044=				
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007

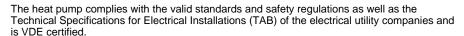


Reversible air-to-water heat pump with additional heat exchanger

Order reference: LA 16ASR Installation location: Outdoors Flow temperature max 55 °C

Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and reversible refrigeration cycle for heating and cooling. An additional heat exchanger increases the hot water temperature in the heating mode and uses the waste heat generated in the cooling mode; sound-optimized through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor supplied with the unit, soft starter is integrated. Electric connecting cable EVL..R between heat pump and heat pump controller must be ordered separately.





Technical data LA 16ASR

Set-up / Colour Outdoors / White aluminium Temperature operating limits for heating water / Air 55 °C / -20 °C	Tommour data EA TOAON		
Set-up / Colour Outdoors / White aluminium Temperature operating limits for heating water / Air 55 °C / -20 °C	Dimplex Reversible air-to-water heat pump	with additional h	neat exchanger (Low temperature)
Temperature operating limits for heating water / Air Temperature operating limits air Temperature operating limits air -20 °C to 35 °C Temperature operating limits for cooling 15 °C / 40 °C Heat output / COP at A-7/W35* kW- Heat output / COP at A+2/W35* kW- Heat output / COP at A+7/W35* kW- Heat output / COP at A+10/W35* kW- Heat output / COP at A+10/W35* kW- Heat output / COP at A+27/W18* kW- Cooling capacity / COP at A+35/W8* kW- Cooling capacity / COP at A+35/W8* kW- Electrical nominal power consumption at A+2/W35 kW Sound power level Sound pressure level at a distance of 10 m (air outlet db(A) Sound pressure level at a distance of 10 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a distance of 1 m (air outlet db(A) Side) Sound pressure level at a dista	Order reference		LA 16ASR
Temperature operating limits air -20 °C to 35 °C Temperature operating limits for cooling 15 °C / 40 °C Heat output / COP at A-7/W35° kW/- Heat output / COP at A+2/W35° kW/- Heat output / COP at A+10/W35° kW/- Heat output / COP at A+10/W35° kW/- Heat output / COP at A+10/W35° kW/- Cooling capacity / COP at A+27/W18° kW/- Cooling capacity / COP at A+35/W8° kW/- Cooling capacity / COP at A-35/W8° kW/- Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for cooling	Temperature operating limits for heating water / Air		55 °C / -20 °C
Heat output / COP at A-7/W35*	Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A+2/W35* kW/- 12,80 / 3,40 Heat output / COP at A+7/W35* kW/- 15,10 / 3,80 Heat output / COP at A+10/W35* kW/- 16,70 / 4,10 Cooling capacity / COP at A+27/W18* kW/- 16,40 / 2,80 Cooling capacity / COP at A+35/W8* kW/- 11,10 / 2,10 Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of bimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE-400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Temperature operating limits for cooling		15 °C / 40 °C
Heat output / COP at A+7/W35* kW/- Heat output / COP at A+10/W35* kW/- Cooling capacity / COP at A+27/W18* kW/- Cooling capacity / COP at A+27/W18* kW/- Cooling capacity / COP at A+35/W8* kW/- Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Heat output / COP at A-7/W35*	kW/-	10,60 / 3,00
Heat output / COP at A+10/W35* kW/- Cooling capacity / COP at A+27/W18* kW/- Cooling capacity / COP at A+35/W8* kW/- Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Heat output / COP at A+2/W35*	kW/-	12,80 / 3,40
Cooling capacity / COP at A+27/W18* kW/- 16,40 / 2,80 Cooling capacity / COP at A+35/W8* kW/- 11,10 / 2,10 Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet side) db(A) 34 Sound pressure level at a distance of 1 m (air outlet side) db(A) 51 Sound pressure level at a distance of 1 m (air outlet side) kg 5,70 Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Heat output / COP at A+7/W35*	kW/-	15,10 / 3,80
Cooling capacity / COP at A+35/W8* kW/- 11,10 / 2,10 Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet side) db(A) 34 Sound pressure level at a distance of 1 m (air outlet side) db(A) 51 Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Heat output / COP at A+10/W35*	kW/-	
Electrical nominal power consumption at A+2/W35 kW 3,00 Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 Sound pressure level at a distance of 1 m (air outlet db(A) 51 Sound pressure level at a distance of 1 m (air outlet db(A) 51 Side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Cooling capacity / COP at A+27/W18*	kW/-	16,40 / 2,80
Sound power level db(A) 64 Sound pressure level at a distance of 10 m (air outlet db(A) 34 Side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 Side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 Side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 Colifferential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting	Cooling capacity / COP at A+35/W8*	kW/-	11,10 / 2,10
Sound pressure level at a distance of 10 m (air outlet db(A) 34 Side) Sound pressure level at a distance of 1 m (air outlet db(A) 51 Side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar differential of 1.4 / 4500 Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Electrical nominal power consumption at A+2/W35	kW	3,00
Sound pressure level at a distance of 1 m (air outlet db(A) 51 Side) Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Sound power level	db(A)	64
side) kg 5,70 Refrigerant R404A kg 5,70 Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Sound pressure level at a distance of 10 m (air outlet side)	db(A)	34
Heating water flow rate with an int. pressure m³/h / mbar 1.4 / 4500 differential of 0 1.50 x 850 x 1570 Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Sound pressure level at a distance of 1 m (air outlet side)	db(A)	51
differential of mm 1550 x 850 x 1570 Dimensions (W x D x H)** mm 1550 x 850 x 1570 Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Refrigerant R404A	kg	5,70
Weight (incl. packing) kg 289 Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.4 / 4500
Control voltage V 230 Supply voltage 3/PE~400V, 50 Hz Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Supply voltage Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Weight (incl. packing)	kg	289
Starting current with soft starter A 25 Fuse A 20 Defrosting / type of defrosting Reverse cycle	Control voltage	V	230
Fuse A 20 Defrosting / type of defrosting Reverse cycle	Supply voltage		3/PE~400V, 50 Hz
Defrosting / type of defrosting Reverse cycle	Starting current with soft starter	Α	25
• ,,	Fuse	Α	20
Device connections for heating 1"	Defrosting / type of defrosting		Reverse cycle
	Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

** Please note that additional space is required for pipe connections, operation and maintenance.

Internet: 05.03.2007

System accessories LA 16ASR



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Reversible air-to-water heat pump with additional heat exchanger	LA 16ASR	340090	1		
Control line for heating/cooling heat pump manager (10 m)	EVL 10 R	342510	1		
Control line for heating/cooling heat pump manager (20 m)	EVL 20 R	342520			
Control line for heating/cooling heat pump manager (30 m)	EVL 30 R	342530			
Hydraulic accessories					
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	2		
6 kW immersion heater for back-up heating	CTHK 634	322150			
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with integrated thermostat*	HL 11C	351730			
Fan convector for heating/cooling with integrated thermostat*	HL 16C	351740			
Fan convector for heating/cooling with integrated thermostat*	HL 26C	351760			
Fan convector for heating/cooling with integrated thermostat*	HL 36C	351760			
Fan convector for heating/cooling with external thermostat*	HL 11SK	351770			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Control accessories (cooling)					
Room climate control system for temperature and humidity measurement	RKS WPM	342220	1		
Heating/cooling on/off room temperature controller*	RTK 501	343080			
Heating/cooling on-off room temperature controller in flat switch	RTK 501 U	350960			
mounting frame for flush mounting*					
Extended dew point monitoring*	TPW WPM	350970			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
* Other specific accessories available / required					

^{*} Other specific accessories available / required

Notes:

Internet: 05.03.2007

System accessories LA 16ASR



Room climate control station and mixer module enable silent cooling via panel heating systems.

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Phone: +49 (0)9221 709-201 Fax: +49 (0)9221 709-339

Internet: 05.03.2007



Air-to-water heat pump with air deflection covers

Order reference: LA 16MS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outside installation with outside temperature controlled heat pump manager; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient defrosting by reverse circulation and inclined evaporator. Return flow sensor and external temperature sensor included in the scope of supply, integrated soft starter. Electric cable connecting heat pump and heat pump manager must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 16MS

Order reference		LA 16MS
Set-up / Colour		Outdoors / White aluminium
emperature operating limits for heating water / Air		55 °C / -20 °C
emperature operating limits air		-20 °C to 35 °C
leat output / COP at A-7/W35*	kW/-	9,80 / 2,60
leat output / COP at A+2/W35*	kW/-	12,70 / 3,20
leat output / COP at A+7/W35*	kW/-	15,40 / 3,70
leat output / COP at A+10/W35*	kW/-	16,10 / 3,80
Electrical nominal power consumption at A+2/W35	kW	3,95
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet ide)	db(A)	34
Refrigerant R404A	kg	3,10
leating water flow rate with an int. pressure lifferential of	m³/h / mbar	1.0 / 4500
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Veight (incl. packing)	kg	264
Control voltage	V	230
Supply voltage		1/N/PE~230V, 50Hz
Starting current with soft starter	А	45 SA
use	A	32
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 16MS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with air deflection covers	LA 16MS	351270	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)	AS 976	322180	2		
Hose nozzle for 1" / 1" connecting hose	SCHT 975-1	322250	_		
Nozzle for 1" connecting hose	TUE 430	337430			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
3 kW radiator	HCT 300	351210			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit Circulating pump for main heat pump circuit	UP 80	340300	'		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
•		340000	I I		
Circulating pump depending on heating system pressure drop	bauseits	249640			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories			_		
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
ion pains (nothing only) other ap		011700			

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Medium-temperature air-to-water heat pumps with two performance levels

Order reference: LA 17PS

Installation location: Outdoors Flow temperature max 65 °C Casing, powder-coated

Medium-temperature air-to-water heat pumps for outside installation with external temperature controlled WPM 2006 plus heat pump manager and two compressors for flexible capacity; sound-optimised through the use of low-noise crescent wing axial-flow fans and air deflection covers; stainless steel base frame; energy-efficient hot gas defrosting. Integrated soft starter; return flow sensor and external temperature sensor included in the scope of supply.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 17PS

Dimplex Medium-temperature air-to-water	heat pumps with	two performance levels (Medium
temperature)		
Order reference		LA 17PS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		65 °C / -25 °C
Temperature operating limits air		-25 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	1 compressors: 6,70 / 2,50 2 compressors: 11,40 / 2,60
Heat output / COP at A+2/W35*	kW/-	1 compressors: 8,70 / 3,20 2 compressors: 14,50 / 3,20
Heat output / COP at A+7/W35*	kW/-	1 compressors: 10,10 / 3,60 2 compressors: 17,30 / 3,50
Heat output / COP at A+10/W35*	kW/-	1 compressors: 12,00 / 4,30 2 compressors: 19,80 / 3,90
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	37
Refrigerant R290	kg	0,00
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Weight (incl. packing)	kg	330
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1 1/4"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{*} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 17PS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Medium-temperature air-to-water heat pumps with two performance	LA 17PS	353330	1		
levels					
Heat pump manager control line (10 m)	EVL 996-1	321990	1		
Heat pump manager control line (20m)	EVL 997-1	322000			
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1" connecting hose (10 m)*	AS 976	322180			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	1		
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 l)*	PSW 500	339210	,		
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	· ·		
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits	040000	· ·		
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories		00.000			
	MMCD 000	227000	4		
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070			
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220	4		
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25 UP 80	346600	1		
Circulating pump for main heat pump circuit		340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Air-to-water heat pump with two capacities

Order reference: LA 20AS
Installation location: Outdoors
Flow temperature max 55 °C
Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; stainless steel base frame; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor are supplied with the unit; soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 20AS

Dimplex Air-to-water heat pump with two cap	pacities (Low tempe	rature)
Order reference		LA 20AS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	1 compressors: 7,00 / 2,50 2 compressors: 12,40 / 2,70
Heat output / COP at A+2/W35*	kW/-	1 compressors: 9,30 / 3,10 2 compressors: 14,90 / 3,00
Heat output / COP at A+7/W35*	kW/-	1 compressors: 9,80 / 3,20 2 compressors: 16,60 / 3,10
Heat output / COP at A+10/W35*	kW/-	1 compressors: 10,30 / 3,30 2 compressors: 17,80 / 3,30
Electrical nominal power consumption at A+2/W35	kW	4,90
Sound power level	db(A)	64
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	37
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58
Refrigerant R404A	kg	3,70
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.8 / 6500
Dimensions (W x D x H)**	mm	1550 x 850 x 1570
Weight (incl. packing)	kg	284
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	23
-use	A	20
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1 1/4"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 20AS



scription	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with two capacities	LA 20AS	339970	1		
Heat pump manager control line (10 m)	EVL 996-1	321990	·		
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Heat source accessories		0220.0			
Rock covering for LA 11	ROCK 136	354040			
Hydraulic accessories	NOCK 130	334040			
•	10.070.4	000500			
1 1/4" connecting hose (10 m)*	AS 976-1	330530	4		
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	_		
6 kW immersion heater for back-up heating	CTHK 634	322150	2		
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (300 I) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*	2	2.2.00			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
		353790			
Remote diagnostics hardware package*	RDS				
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB KRRV 003	353780 322070			
Thermostat for heating and domestic hot water	KKK V 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.



High-temperature air-to-water heat pump

Order reference: LA 22HS Installation location: Outdoors Flow temperature max 75 °C Casing, powder-coated

High-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator; soft starter is integrated, return and outside temperature sensors are supplied with the unit. For hot water production in the summer, a flow temperature of 60°C is available. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 22HS

Dimplex High-temperature air-to-water heat	pump (High tempe	rature)
Order reference		LA 22HS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		75 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	11,00 / 2,60
Heat output / COP at A+2/W35*	kW/-	13,60 / 3,10
Heat output / COP at A+7/W35*	kW/-	15,40 / 3,40
Heat output / COP at A+10/W35*	kW/-	16,50 / 3,50
Electrical nominal power consumption at A+2/W35	kW	4,00
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58
Refrigerant R404A / R134a	kg	3,30
Heating water flow rate with an int. pressure differential of	m³/h / mbar	1.8 / 3000
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710
Weight (incl. packing)	kg	411
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	25
Fuse	A	25
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1 1/4"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 22HS



Description	Order ref.	Article	Sample	ltem	Price
		number	item		
Heat pumps					
High-temperature air-to-water heat pump	LA 22HS	340120	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1 1/4" connecting hose (10 m)*	AS 976-1	330530			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	1		
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 l)*	PSW 500	339210	·		
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	,		
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit Circulating pump for main heat pump circuit	UP 80	340300			
Differential pressureless manifold extension module	EB KPV	348650	1		
Dual differential pressureless manifold*	DDV 32	348450	•		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340300	'		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits	340000	'		
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories	TIE SOOK	331000			
	WWCD 000	227000	4		
Hot water cylinder (400 l) with temperature sensor	WWSP 880 FLH 60	337880	1		
6 kW flange heater for hot water cylinder		338060	1		
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220	1		
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Medium-temperature air-to-water heat pump with two capacities

Order reference: LA 22PS

Installation location: Outdoors Flow temperature max 65 °C Casing, powder-coated

Medium-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-optimised hot gas defrosting. Soft starter is integrated, return sensor and outside temperature sensor are supplied with the unit. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 22PS

Dimplex Medium-temperature air-to-water he	eat pump with two ca	apacities (Medium temperature)
Order reference	at pamp with two o	LA 22PS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		65 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	1 compressors: 7,70 / 2,40 2 compressors: 13,60 / 2,60
Heat output / COP at A+2/W35*	kW/-	1 compressors: 10,60 / 3,00 2 compressors: 16,70 / 3,10
Heat output / COP at A+7/W35*	kW/-	1 compressors: 12,60 / 3,80 2 compressors: 22,00 / 3,80
Heat output / COP at A+10/W35*	kW/-	1 compressors: 13,70 / 4,20 2 compressors: 23,40 / 4,00
Electrical nominal power consumption at A+2/W35	kW	5,00
Sound power level	db(A)	68
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58
Refrigerant R290	kg	2,20
Heating water flow rate with an int. pressure differential of	m³/h / mbar	2.0 / 4500
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710
Weight (incl. packing)	kg	360
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	25
Fuse	A	20
Defrosting / type of defrosting		
Device connections for heating		1 1/4"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 22PS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Medium-temperature air-to-water heat pump with two capacities	LA 22PS	348420	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1 1/4" connecting hose (10 m)*	AS 976-1	330530			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	2		
Universal buffer tank (500 I)*	PSW 500	339210	2		
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
	UP 80		· '		
Circulating pump for main heat pump circuit		340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870	4		
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits	0.400.40			
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories	MIMOD 000	0.40040			
Hot water cylinder (300 l) with temperature sensor	WWSP 332	346610	1		
Hot water connection set for compact brine heat pump	VSW KS	343120			
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (400 l) with temperature sensor*	WWSP 880	337880			
Hot water cylinder (500 l) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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Air-to-water heat pump with two capacities

Order reference: LA 24AS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; stainless steel base frame; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor are supplied with the unit; soft starter is integrated. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 24AS

Dimplex Air-to-water heat pump with two cap	pacities (Low tempe	rature)
Order reference		LA 24AS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		55 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	1 compressors: 8,90 / 2,60 2 compressors: 16,10 / 2,70
Heat output / COP at A+2/W35*	kW/-	1 compressors: 10,90 / 3,00 2 compressors: 19,20 / 3,20
Heat output / COP at A+7/W35*	kW/-	1 compressors: 13,10 / 3,40 2 compressors: 24,80 / 3,60
Heat output / COP at A+10/W35*	kW/-	1 compressors: 14,10 / 3,50 2 compressors: 26,60 / 3,80
Electrical nominal power consumption at A+2/W35	kW	6,10
Sound power level	db(A)	68
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58
Refrigerant R404A	kg	4,20
Heating water flow rate with an int. pressure differential of	m³/h / mbar	2.3 / 5900
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710
Weight (incl. packing)	kg	351
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	24
-use	A	25
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1 1/4"

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

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^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 24AS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with two capacities	LA 24AS	339980	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1 1/4" connecting hose (10 m)*	AS 976-1	330530			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	2		
Universal buffer tank (500 I)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve*	KPV 25	346590			
Dual differential pressureless manifold	DDV 32	348450	1		
Circulating pump for DDV 32	UP 70-32	354020	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits				
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 I) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310			
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
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^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007



High-temperature air-to-water heat pump

Order reference: LA 26HS Installation location: Outdoors Flow temperature max 75 °C Casing, powder-coated

High-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager); sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-efficient defrosting through cycle reversal and inclined evaporator. Soft starter is integrated, return sensor and outside temperature sensor are supplied with the unit. For hot water production in the summer, a flow temperature of 60°C is available. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 26HS

Order reference		LA 26HS
Set-up / Colour		Outdoors / White aluminium
Temperature operating limits for heating water / Air		75 °C / -20 °C
Temperature operating limits air		-20 °C to 35 °C
Heat output / COP at A-7/W35*	kW/-	13,00 / 2,80
Heat output / COP at A+2/W35*	kW/-	15,90 / 3,20
Heat output / COP at A+7/W35*	kW/-	19,80 / 3,80
Heat output / COP at A+10/W35*	kW/-	20,40 / 3,90
Electrical nominal power consumption at A+2/W35	kW	5,00
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58
Refrigerant R404A / R134a	kg	3,70
leating water flow rate with an int. pressure ifferential of	m³/h / mbar	1.8 / 3000
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710
Veight (incl. packing)	kg	418
Control voltage	V	230
Supply voltage		3/PE~400V, 50 Hz
Starting current with soft starter	A	30
use	A	25
Defrosting / type of defrosting		Reverse cycle
Device connections for heating		1 1/4"

 $^{^{\}star}$ The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 26HS



Description	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
High-temperature air-to-water heat pump	LA 26HS	340130	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1 1/4" connecting hose (10 m)*	AS 976-1	330530			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	1		
6 kW immersion heater for back-up heating	CTHK 634	322150	1		
Universal buffer tank (500 l)*	PSW 500	339210	·		
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	,		
Circulating pump for main heat pump circuit	UP 60	340300	1		
Circulating pump for main heat pump circuit	UP 80	340310	'		
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
	WWM 25	346600	1		
Unmixed heating circuit module		340000	'		
Circulating pump depending on heating system pressure drop	bauseits MMH 25	348640			
Mixed heating circuit with temperature sensor*	MMB 25	348880			
Mixer module for bivalent systems	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*					
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (500 I) with temperature sensor	WWSP 900	339220	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with central flow*	PWD 750	349100			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	IN 01 WP	341750	1		
rious partip (riousing ority) otals up	114 01 441	0-1700	'		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.



Medium-temperature air-to-water heat pump with two capacities

Order reference: LA 26PS

Installation location: Outdoors Flow temperature max 65 °C Casing, powder-coated

Medium-temperature air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; stainless steel base frame; energy-optimised hot gas defrosting. Soft starter is integrated, return sensor and outside temperature sensor are supplied with the unit. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies.



Technical data LA 26PS

Order reference		LA 26PS		
Set-up / Colour		Outdoors / White aluminium		
Temperature operating limits for heating water / Air		65 °C / -20 °C		
Temperature operating limits air		-20 °C to 35 °C		
Heat output / COP at A-7/W35*	kW/-	1 compressors: 8,70 / 2,40 2 compressors: 14,40 / 2,60		
Heat output / COP at A+2/W35*	kW/-	1 compressors: 11,70 / 3,00 2 compressors: 18,80 / 3,00		
Heat output / COP at A+7/W35*	kW/-	1 compressors: 13,70 / 3,60 2 compressors: 24,00 / 3,70		
Heat output / COP at A+10/W35*	kW/-	1 compressors: 15,00 / 4,10 2 compressors: 26,20 / 4,00		
Electrical nominal power consumption at A+2/W35	kW	6,20		
Sound power level	db(A)	68		
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41		
Refrigerant R290	kg	2,50		
Heating water flow rate with an int. pressure differential of	m³/h / mbar	2.0 / 100		
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710		
Weight (incl. packing)	kg	371		
Control voltage	V	230		
Supply voltage		3/PE~400V, 50 Hz		
Starting current with soft starter	А	30		
Fuse	A	25		
Defrosting / type of defrosting				
Device connections for heating		1 1/4"		

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

outlet temperature 35 °C.

** Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 26PS



escription	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Medium-temperature air-to-water heat pump with two capacities	LA 26PS	351890	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010	·		
Hydraulic accessories		0220.0			
•	AS 976-1	220520			
1 1/4" connecting hose (10 m)*		330530	1		
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180			
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140	0		
6 kW immersion heater for back-up heating	CTHK 634	322150	2		
Universal buffer tank (500 l)*	PSW 500	339210			
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve	KPV 25	346590	1		
Differential pressureless manifold extension module	EB KPV	348650	1		
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310			
Dual differential pressureless manifold*	DDV 32	348450			
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module	WWM 25	346600	1		
Circulating pump depending on heating system pressure drop	bauseits				
Mixed heating circuit with temperature sensor*	MMH 25	348640			
Mixer module for bivalent systems	MMB 25	348880			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 I) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430			
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VTB 25	339870	1		
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100			
central flow*					
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (USB)*	LDS USB	353780			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)					
Heat pump (heating only) start-up	INI O4 WD	2/1750	1		
near pump (nearing only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

Internet: 05.03.2007



Air-to-water heat pump with two capacities

Order reference: LA 28AS Installation location: Outdoors Flow temperature max 55 °C Casing, powder-coated

Air-to-water heat pump for outdoor installation with outside temperature controlled heat pump controller (manager) and two compressors for flexible adaptation of the output to individual requirements; stainless steel base frame; sound-optimised through use of low-noise sickle-blade axial fans and air deflection hoods; energy-efficient defrosting through cycle reversal and inclined evaporator. Return sensor and outside temperature sensor are supplied with the unit. Electronic soft starter for start-up currents up to max. 30A is integrated as standard. Electric connecting cable between heat pump and heat pump controller must be ordered separately.

The heat pump complies with the valid standards and safety regulations as well as the Technical Specifications for Electrical Installations (TAB) of the electrical utility companies and is VDE certified.



Technical data LA 28AS

Dimplex Air-to-water heat pump with two cap	pacities (Low tempe	rature)		
Order reference		LA 28AS		
Set-up / Colour		Outdoors / White aluminium		
Temperature operating limits for heating water / Air		55 °C / -20 °C		
Temperature operating limits air		-20 °C to 35 °C		
Heat output / COP at A-7/W35*	kW/-	1 compressors: 9,90 / 2,40 2 compressors: 19,10 / 2,70		
Heat output / COP at A+2/W35*	kW/-	1 compressors: 12,80 / 3,00 2 compressors: 22,30 / 3,00		
Heat output / COP at A+7/W35*	kW/-	1 compressors: 14,20 / 3,10 2 compressors: 25,80 / 3,40		
Heat output / COP at A+10/W35*	kW/-	1 compressors: 14,70 / 3,10 2 compressors: 29,10 / 3,60		
Electrical nominal power consumption at A+2/W35	kW	7,40		
Sound power level	db(A)	68		
Sound pressure level at a distance of 10 m (air outlet side)	db(A)	41		
Sound pressure level at a distance of 1 m (air outlet side)	db(A)	58		
Refrigerant R404A	kg	4,20		
Heating water flow rate with an int. pressure differential of	m³/h / mbar	2.3 / 5900		
Dimensions (W x D x H)**	mm	1680 x 1000 x 1710		
Weight (incl. packing)	kg	355		
Control voltage	V	230		
Supply voltage		3/PE~400V, 50 Hz		
Starting current with soft starter	A	25		
Fuse	A	25		
Defrosting / type of defrosting		Reverse cycle		
Device connections for heating		1 1/4"		

^{*} The specified values have the following meaning, e.g. A+2/W35: heat source temperature +2 °C, heat outlet temperature 35 °C.

Internet: 05.03.2007

^{**} Please note that additional space is required for pipe connections, operation and maintenance.

System accessories LA 28AS



escription	Order ref.	Article	Sample	Item	Price
		number	item		
Heat pumps					
Air-to-water heat pump with two capacities	LA 28AS	339990	1		
Heat pump manager control line (10 m)	EVL 996-1	321990			
Heat pump manager control line (20m)	EVL 997-1	322000	1		
Heat pump manager control line (30m)	EVL 998-1	322010			
Hydraulic accessories					
1 1/4" connecting hose (10 m)*	AS 976-1	330530			
Floor-mounted buffer tank (200 I)	PSW 200	339830	1		
2 kW immersion heater for back-up heating	CTHK 631	336180	·		
2.9 kW immersion heater for back-up heating	CTHK 632	335910			
4.5 kW immersion heater for back-up heating	CTHK 633	322140			
6 kW immersion heater for back-up heating	CTHK 634	322150	2		
Universal buffer tank (500 l)*	PSW 500	339210	_		
Immersion heater pipe assembly*	HDLR 450	337450			
Compact manifold with overflow valve*	KPV 25	346590			
Dual differential pressureless manifold	DDV 32	348450	1		
Circulating pump for DDV 32	UP 70-32	354020	1		
Manifold bar for connecting two heating circuits	VTB 25	339870			
Unmixed heating circuit module*	WWM 25	346600			
Mixed heating circuit with temperature sensor	MMH 25	348640	1		
Circulating pump depending on heating system pressure drop	bauseits	2 .00 .0			
Fan convector for heating/cooling with external thermostat*	HL 16SK	351780			
Fan convector for heating/cooling with external thermostat*	HL 26SK	351790			
Fan convector for heating/cooling with external thermostat*	HL 36SK	351800			
DHW preparation accessories					
Hot water cylinder (400 l) with temperature sensor	WWSP 880	337880	1		
6 kW flange heater for hot water cylinder	FLH 60	338060			
2/2.7/4 kW flange heater for hot water cylinder	FLHU 70	338070	1		
Flange heater for hot water cylinder 230 V/2.5 kW	FLH 25M	349430	'		
Safety valve combination	SVK 852	326660			
Solar station for hot water	SST 25	348430			
Hot water cylinder (500 I) with temperature sensor*	WWSP 900	339220			
Manifold bar for KPV 25 and HHM 25 connection	VVV3F 900 VTB 25	339870			
Hot water module	WWM 25	346600	1		
Circulating pump for main heat pump circuit	UP 60	340300			
Circulating pump for main heat pump circuit	UP 80	340310	1		
Combi cylinder for heating and domestic hot water preparation with	PWD 750	349100	'		
central flow*	1 110 100	0-10100			
Control accessories					
External temperature sensor with casing	FG 3115	336620			
Swimming pool / remote fault indicator relay module	RBG WPM	339700			
Heat pump manager remote control*	FWPM 470	337470			
Remote diagnostics hardware package*	RDS	353790			
Remote diagnostics hardware package (serial)*	LDS	353770			
Remote diagnostics hardware package (Senar)	LDS USB	353770			
Thermostat for heating and domestic hot water	KRRV 003	322070			
Start-up (no discount available)	111111 000	022010			
	INLO4 M/D	044750			
Heat pump (heating only) start-up	IN 01 WP	341750	1		

^{*} Other specific accessories available / required

Important information:

The combination of the components and the quantities indicated represent a non-binding sample system, which needs to be tested and individually adapted as required. Pump dimensioning must be reviewed according to the pressure loss of the system and the minimum heating water flow rate of the heat pump.

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