



<b>Model(s):</b>				<b>Modul-AIR Blue</b>									
Type of heat source/sink:				Exhaust air-to-water									
Low-temperature heat pump:				No									
Equipped with supplementary heater:				Yes									
Heat pump combination heater:				Yes									
Climate condition:				Average									
Temperature application:				Medium temperature (55 °C)									
Doc revision:0				Applied standards: EN14825, EN14511, EN16147 och EN12102									
<b>Rated heat output</b>				Prated	4,5	Kw	<b>Seasonal Space heating energy efficiency</b>						
							ηs	135	%				
<i>Declared capacity for part load at outdoor temperature Tj</i>				<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>									
Tj = -7 °C				Pdh	3,9	kW	Tj = -7 °C				COPd	2,51	kW
Tj = +2 °C				Pdh	2,4	kW	Tj = +2 °C				COPd	3,49	kW
Tj = +7 °C				Pdh	1,6	kW	Tj = +7 °C				COPd	4,15	kW
Tj = +12 °C				Pdh	1,3	kW	Tj = +12 °C				COPd	4,91	kW
Tj = biv				Pdh	4,5	kW	Tj = biv				COPd	2,18	kW
Tj = TOL				Pdh	4,5	kW	Tj = TOL				COPd	2,18	kW
Tj = -15 °C (if TOL < -20 °C)				Pdh		kW	Tj = -15 °C (if TOL < -20 °C)				COPd		kW
Bivalent temperature				Tbiv	-10	°C	Operation limit temperature				TOL	-10	°C
Cycling interval capacity for				Pcych		kW	Cycling interval efficiency				COPcyc		-
Degradation co-efficient				Cdh	0,9	-	Heating water operating limit temperature				WTOL	58	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>									
Off mode				Poff	0,014	kW	Rated heat output				Psup	6	kW
Thermostat-off mode				Pto	0,014	kW							
Standby mode				Psb	0	kW	Type of energy input				Electric		
Crankcase heater mode				Pck	-	kW							
<i>Other items</i>				<i>DHW production</i>									
Capacity control				Variable			<b>Declared load profile</b>				L		
Sound power level, indoors/outdoors				LWA	51,9/-	dB	Water heating energy efficiency				ηwh	100	%
Annual energy consumption				QHE		Kwh	Daily electricity consumption				Qelec	5	kWh
Rated air flow rate CH					270	m³/h	Annual electricity consumption				AEC	1024	kWh
Rated air flow rate DHW					180	m³/h	Setpoint				Tset	50	dgC
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Type of heat source/sink:				Exhaust air-to-water									
Low-temperature heat pump:				No									
Equipped with supplementary heater:				Yes									
Heat pump combination heater:				Yes									
Climate condition:				Average									
Temperature application:				Low temperature (35 °C)									
Doc revision:0				Applied standards: EN14825, EN14511, EN16147 och EN12102									
<b>Rated heat output</b>				Prated	4,5	Kw	<b>Seasonal Space heating energy efficiency</b>						
							ηs	187	%				
<i>Declared capacity for part load at outdoor temperature Tj</i>				<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>									
Tj = -7 °C				Pdh	4,0	kW	Tj = -7 °C				COPd	3,59	kW
Tj = +2 °C				Pdh	2,4	kW	Tj = +2 °C				COPd	4,88	kW
Tj = +7 °C				Pdh	1,6	kW	Tj = +7 °C				COPd	5,87	kW
Tj = +12 °C				Pdh	1,2	kW	Tj = +12 °C				COPd	5,79	kW
Tj = biv				Pdh	4,6	kW	Tj = biv				COPd	3,24	kW
Tj = TOL				Pdh	4,6	kW	Tj = TOL				COPd	3,24	kW
Tj = -15 °C (if TOL < -20 °C)				Pdh		kW	Tj = -15 °C (if TOL < -20 °C)				COPd		kW
Bivalent temperature				Tbiv	-10	°C	Operation limit temperature				TOL	-10	°C
Cycling interval capacity for				Pcych		kW	Cycling interval efficiency				COPcyc		-
Degradation co-efficient				Cdh	0,9	-	Heating water operating limit				WTOL	58	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>									
Off mode				Poff	0,014	kW	Rated heat output				Psup	6	kW
Thermostat-off mode				Pto	0,014	kW							
Standby mode				Psb	0	kW	Type of energy input				Elektric		
Crankcase heater mode				Pck	-	kW							
<i>Other items</i>				<i>DHW production</i>									
Capacity control				Variable			<b>Declared load profile</b>				L		
Sound power level, indoors/outdoors				LWA	51,9	dB	Water heating energy efficiency				ηwh	100	%
Annual energy consumption				QHE		Kwh	Daily electricity consumption				Qelec	5	kWh
Rated air flow rate CH					270	m³/h	Annual electricity consumption				AEC	1024	kWh
Rated air flow rate DHW					180	m³/h	Setpoint				Tset	50	dgC
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