

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, **Side:** 1 by 18
Remediation
Waschraum **Date:** 17.09.2025
Location: **Tender Position:**



Clerk: Solbach **Quantity:** 1 Piece
Construction: HYD LC Inside installation, VDI 6022
Base Frame: Coated 100 mm, RAL 9002
Base Frame top unit: Coated 100 mm, RAL 9002
Total Weight: 6289 kg
Thermal Decoupling: T2/TB2
CAL (R)@-400 Pa: 0,327 dm³/(sm²)
CAL (R)@+400 Pa: 0,403 dm³/(sm²)
Accessories: Transport Steel Pipes
Brand Information are exemplary and nonobligatory



Datasheet:	02037534	Position:	753402
Project:	KVP Kiel, Gebäude 4, Remediation Waschraum	Side:	2 by 18
Location:		Date:	17.09.2025
Unit:		Tender Position:	



Technical Data Supply Air

Outside Metal Sheet:	mm	1,0 galvanized coated, RAL 9002	Unit Size:	Special
Inside Metal Sheet:	mm	1,0 V2A (AISI304)	Position of Access Side:	Left
Inside Floor Metal Sheet:	mm	53,0 V2A (AISI304)	Position of Piping Side:	right
Wall Thickness:	mm	53,0 V2A (AISI304)	Insulation Roof/Floor:	Mineral Wool 99kg/m³
Dimensions (L x W x H):	mm	6715x1760x1894	Insulation Walls:	Mineral Wool 99kg/m³
Air velocity:	m/sec	1,99	Class of Velocity:	V3
Weight:	kg	3009	Design:	VDI 6022

(SUP) Air Inlet Section	GSC/SS/SS	Weight: 170 kg	Length: 115 mm	Pressure Drop: 2 Pa
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Connection:

Layer	Front Side
Material:	SS
Design:	Damping Connection VDI6022
Potential Equalisation:	Yes

Damper Size:

Assembly:	Inside
Material:	Aluminium
Design:	Gear
Tightness:	Class 2
Shaft Position:	Inside
Actuator:	Without
Dimensions (W x H x D):	1405 x 1614 x 115

Dimensions (W x H)	1595 x 1609
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Grating:	Without
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Design:	Access Door
Lockers:	Lever Fastener
Hinges:	3D-Hinges

Condensate Trough:	RAL/V2A (AISI304)
Condensate Drain:	Yes
Cable-Passage M20:	16

Accessories

Item Number	Description	Weight
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Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 3 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(SUP) Filter	GSC/SS/SS	Weight: 185 kg	Length: 725 mm	Pressure Drop: 127 Pa
Brand:	Rox	Filter Maintenance:	Clamp Rail	
Spare Filter:	1 Set	Frame:	V2A (AISI304)	
		Manometer:	DPA2500 with display	
1st Filter step				
Filter Type:	Taschenfilter L	Energy Efficiency Class:	B	
Filter Class EN779:2012:	F7	Filter Surface:	m ²	36
Filter Class ISO16890:	ePM1 60%	Medium:	Glass Fibre Hi-Flo	
ΔP Initial:	Pa 77			
ΔP End:	Pa 177			
Max. Pressure Drop:	Pa 340			
ΔP Dim:	Pa 127			
Type/Size/Quantity	Hi-Flo UF UF7 50+	592*592*600 mm	4 Piece	
	Hi-Flo UF UF7-63 50+	592*287*600 mm	2 Piece	
	Hi-Flo UF UH7 50+	287*592*600 mm	2 Piece	
Design:	Access Door	Condensate Trough:	RAL/V2A (AISI304)	
Lockers:	Lever Fastener	Condensate Drain:	Yes	
Hinges:	3D-Hinges	Sight glass:	Yes	
		Light:	Wet Room Lamp IP65	
		Wired:	Yes	

Accessories

Item Number	Description	Weight
	Siphon SN	
	Lamp 230V	



Datasheet: 02037534
 Project: KVP Kiel, Gebäude 4, Remediation Waschraum
 Location:
 Unit:

Position: 753402
 Side: 4 by 18
 Date: 17.09.2025
 Tender Position:



(SUP) Run-Around-Coil System Supply Air

GSC/SS/SS

Weight: 974 kg

Length: 551 mm

Pressure Drop: 260 Pa

Type:

Operation Point Winter

Medium

Heat Transfer Medium: AntifrogenN
 Flow-Rate: m³/h --
 Temp. In: °C --
 Temp. Out: °C --
 Charge: l 199,00
 Pressure Drop: kPa --
 Medium Velocity: m/s --
 Surface Reserve: % --
 Efficiency wet: % --

Air

Air Volume: m³/h 21000
 Temp. In: °C -11,00
 Rel. Humidity In: g/kg 1,50
 Temp. Out: °C 12,40
 Rel. Humidity out: g/kg 1,50
 Pressure Drop: Pa -
 Pressure Drop dry: Pa 260
 Air velocity: m/s -
 Dehumidification: kg/h -
 Capacity: kW 164,20

Operation Point Summer

Medium

Heat Transfer Medium: AntifrogenN
 Flow-Rate: m³/h --
 Temp. In: °C --
 Temp. Out: °C --
 Charge: l 199,00
 Pressure Drop: kPa --
 Medium Velocity: m/s --
 Surface Reserve: % --
 Efficiency wet: % --

Air

Air Volume: m³/h 21000
 Temp. In: °C 32,00
 Rel. Humidity In: g/kg 15,30
 Temp. Out: °C 25,90
 Rel. Humidity out: g/kg 15,30
 Pressure Drop: Pa 260
 Pressure Drop dry: Pa 260
 Air velocity: m/s --
 Dehumidification: kg/h --
 Capacity: kW -46,10

Operation Point according to EN13053:2020-05:

Temp. In Supply Air: °C 5,0
 relative humidity In Supply Air: % 0,0
 Pressure drop dry Supply Air: Pa 260
 Pel HR: kW 4,6
 Power Digit: - 13,55
 Energy Efficiency: % 64,9
 electrical Power (auxiliary power): W 3,0
 Heat Recovery: % 70,00

Temp. In Extract Air: °C 25,0
 relative humidity In Extract Air: % 0,0
 Pressure drop dry Extract Air: Pa 300

Pipes:
 Fin:
 Collector:
 Frame:
 Connections: Gerade
 Freeze protection: °C -17,00
 Weight Heat Exchanger: kg 810,00

Finned height: mm --
 Finned width: mm --
 Separation (A x B): mm
 Fin Distance: mm --
 Quantity Pipe Rows: --
 Connection Inlet: 1 1/2"
 Connection Outlet: 1 1/2"

Design: Access Door

Condensate Trough: RAL/V2A (AISI304)

Software ALAG
 [17.07.2025]
 Version 1.24/4.2



Management System
 ISO 9001:2015
 www.tuv.com
 ID 0910083041

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, **Side:** 5 by 18
Remediation
Waschraum **Date:** 17.09.2025
Location: **Tender Position:**



Lockers: Lever Fastener
Hinges: 3D-Hinges
Hints: This component is not included in the software Eurovent certified

(SUP) Droplet Eliminator	GSC/SS/SS	Weight: 83 kg	Length: 270 mm	Pressure Drop: 21 Pa
Brand:	Rox			
Material:	PPTV	Guiding Rail:	V2A (AISI304)	
Design:	Access Door	Condensate Trough:	RAL/V2A (AISI304)	
Lockers:	Lever Fastener	Condensate Drain:	Yes	
Hinges:	3D-Hinges			
Accessories				
Item Number	Description		Weight	
	Siphon SN			

(SUP) Empty section **GSC/SS/SS** **Weight: 109 kg** **Length: 540 mm** **Pressure Drop: 0 Pa**

Design: Access Door **Sight glass:** Yes
Lockers: Lever Fastener **Light:** Wet Room Lamp IP65
Hinges: 3D-Hinges **Wired:** Yes

Accessories				
Item Number	Description		Weight	
	Lamp 230V			



Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 6 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(SUP) Cooler	GSC/SS/SS	Weight: 467 kg	Length: 525 mm	Pressure Drop: 188 Pa
Brand:	Rox	Type:	CW-BR.G-2.5-1420-1596-10R-52-Cu0,35-AE0,2-AISI304-1-Cu 3"-E1-4-L-0	
Pipes:	Copper	Weight Heat Exchanger:	kg	322,30
Fin:	Aluminium EPOXY Coated	Medium		
Collector:	Copper	Heat Transfer Medium	Water	
Frame:	V2A (AISI304)	Flow-Rate:	m³/h	34,58
Separation (A x B):	mm 38x33	Temp. In:	°C	6,00
Quantity Pipe Rows:	10	Temp. Out:	°C	12,00
Fin Distance:	mm 2,5	Charge:	l	98,67
Connections:	Straight	Pressure Drop:	kPa	48,74
Connection Inlet:	DN 80, 3"	Medium Velocity:	m/sec	1,51
Connection Outlet:	DN 80, 3"	Air		
Finned height:	mm 1596	Air Volume:	m³/h	21000
Finned width:	mm 1420	Temp. In:	°C	25,90
Pressure Stage:		Rel. Humidity In:	%	72,80
Freeze protection:	°C 0,00	Temp. Out:	°C	10,40
Frost Protection Support Frame:	Without	Rel. Humidity out:	%	100,00
		Pressure Drop:	Pa	187,542
		Pressure Drop dry:	Pa	144,387
		Air velocity:	m/s	2,50
		Dehumidification:	kg/h	185,87
		Surface Reserve:	%	14,50
		Capacity:	kW	241,70
		Latent Capacity:	kW	131,57
		Sensible Capacity:	kW	110,13
Design:	Access Door	Condensate Trough:	RAL/V2A (AISI304)	
Lockers:	Lever Fastener			
Hinges:	3D-Hinges			

Accessories

Item Number	Description	Weight
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(SUP) Droplet Eliminator	GSC/SS/SS	Weight: 63 kg	Length: 175 mm	Pressure Drop: 21 Pa
Brand:	Rox	Guiding Rail:	V2A (AISI304)	
Material:	PPTV	Condensate Trough:	RAL/V2A (AISI304)	
Design:	Access Door	Condensate Drain:	Yes	
Lockers:	Lever Fastener			
Hinges:	3D-Hinges			

Accessories

Item Number	Description	Weight
	Siphon SN	



Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 7 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(SUP) Empty section **GSC/SS/SS** **Weight: 84 kg** **Length: 400 mm** **Pressure Drop: 0 Pa**

Design: Access Door **Sight glass:** Yes
Lockers: Lever Fastener **Light:** Wet Room Lamp IP65
Hinges: 3D-Hinges **Wired:** Yes

Accessories

Item Number	Description	Weight
	Lamp 230V	

(SUP) Heater **GSC/SS/SS** **Weight: 113 kg** **Length: 250 mm** **Pressure Drop: 11 Pa**

Brand:	Rox	Type:	HW-BR.G-2.4-1475-1672-1R-11-Cu0,35-AE0,15-AISI304-1-Cu 1 1/4"-E1-1-L-0	
Pipes:	Copper	Weight Heat Exchanger:	kg	50,80
Fin:	Aluminium EPOXY Coated	Medium:	Water	
Collector:	Copper	Heat Transfer Medium:	Water	
Frame:	V2A (AISI304)	Flow-Rate:	m³/h	4,63
Separation (A x B):	mm 38x33	Temp. In:	°C	80,00
Quantity Pipe Rows:	1	Temp. Out:	°C	60,00
Fin Distance:	mm 2,4	Charge:	l	11,68
Connections:	Straight	Pressure Drop:	kPa	15,41
Connection Inlet:	DN 32, 1 1/4"	Medium Velocity:	m/s	0,95
Connection Outlet:	DN 32, 1 1/4"	Air		
Finned height:	mm 1672	Air Volume:	m³/h	21000
Finned width:	mm 1475	Temp. In:	°C	9,00
Freeze protection:	°C 0,00	Temp. Out:	°C	24,00
Frost Protection Support Frame:	Fixing eyelets	Pressure Drop:	Pa	11
		Air velocity:	m/s	2,38
		Surface Reserve:	%	18,16
		Capacity:	kW	105,31

Design: Access Door
Lockers: Lever Fastener
Hinges: 3D-Hinges

(SUP) Empty section **GSC/SS/SS** **Weight: 91 kg** **Length: 445 mm** **Pressure Drop: 0 Pa**

Design: Access Door **Sight glass:** Yes
Lockers: Lever Fastener **Light:** Wet Room Lamp IP65
Hinges: 3D-Hinges **Wired:** Yes

Accessories

Item Number	Description	Weight
	mit Frostschutzthermostat	
	Lamp 230V	

Software ALAG
 [17.07.2025]
 Version 1.24/4.2



Management System
 ISO 9001:2015
 www.tuv.com
 ID 0910083041

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 8 by 18
Waschraum
Location: **Date:** 17.09.2025
Unit: **Tender Position:**



(SUP) Fan		GSC/SS/SS	Weight: 437 kg	Length: 1090 mm	Pressure Drop: 0 Pa
Brand:		Rox	Construction:	Free Running	
Fan Type:		1 x RLM E6-7180-BE-WU-L	Drivetrain:	Motor in Airstream	
SFP-Data with FC:	W/(m³/s)	1936	SFP-Class with FC:	SFP4	
Air Volume:	m³/h	21000	Motor type:	132 / IE4-6	
ΔP ext.:	Pa	550	Voltage / Frequency:	V/Hz	3~VSD-VSD
Dyn. Pressure Drop:	Pa	49	Nominal Power:	kW	15
Installation loss:	Pa	31	Nominal Current:	A	28,1
Static Pressure Drop:	Pa	1334	Nominal Rotation Speed:	1/min	1500
Total Pressure Drop:	Pa	1414	Frequency Converter:	Without	
Mechanical Shaft Power:	kW	10,5	Nozzle Pressure Difference:	Pa	1102
electrical Power Input:	kW	11,3 / P1	k-Factor:	m²s/h	490
Reference Power Input:	kW	14,78	Inside Fan Connection:	mm	900 * 900
Nominal Rotation Speed:	1/min	1388			
Maximum Rotation Speed:	1/min	1500			
Rotation Speed Spare:	%	8,05			
Nominal Frequency:	Hz	69,00			
Maximum Frequency:	Hz	75			
Total Efficiency:	%	79,00			
Static Efficiency:	%	76,00			
Static System Efficiency:	%	71			
Total Efficiency in Efficiency Optimum:	%	73.6			
Air Volume Measuring Point:		Air Volume Measuring Point			
Total Sound Power level:	dB(A)	89 / 84			

f	125	250	500	1000	2000	4000	8000	Hz
Lw o	88	84	84	84	81	79	76	dB
Lw i	88	83	80	78	76	74	71	dB

Design:	Access Door	Sight glass:	Yes
Lockers:	Lever Fastener	Light:	Wet Room Lamp IP65
Hinges:	3D-Hinges	Wired:	Yes

Accessories

Item Number	Description	Weight
	EPOX 60µ	
	PTC	
	Spring damper	
	additional locker	
	Lamp 230V	

Hints: The Installation losses of the fan are considered in the Fan Performances
Designed for wet conditions
The operating point can only be achieved by using a frequency converter
Motor wired to Repair Switch
Ring measuring line with T-piece led to the outside

Software ALAG
[17.07.2025]
Version 1.24/4.2



Management System
ISO 9001:2015
www.tuv.com
ID 0910083041

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, **Side:** 9 by 18
Remediation
Waschraum **Date:** 17.09.2025
Location: **Tender Position:**



(SUP) Filter	GSC/SS/SS	Weight: 130 kg	Length: 483 mm	Pressure Drop: 143 Pa
Brand:	Rox	Filter Maintenance:	Clamp Rail	
Spare Filter:	1 Set	Frame:	V2A (AISI304)	
		Manometer:	DPA2500 with display	
1st Filter step				
Filter Type:	Compact Filter	Energy Efficiency Class:	A+	
Filter Class EN779:2012:	F9	Filter Surface:	m ²	100
Filter Class ISO16890:	ePM1 80%	Medium:	Glass Fibre	
ΔP Initial:	Pa 93			
ΔP End:	Pa 193			
Max. Pressure Drop:	Pa 300			
ΔP Dim:	Pa 143			
Type/Size/Quantity	Opakfil ES ES9	592*592*296 mm		4 Piece
	Opakfil ES ES9	592*287*296 mm		2 Piece
	Opakfil ES ES9	287*592*296 mm		2 Piece
Design:	Access Door			
Lockers:	Lever Fastener			
Hinges:	3D-Hinges			

(SUP) Air Outlet Section GSC/SS/SS Weight: 103 kg Length: 1 mm Pressure Drop: 11 Pa

Connection:

Layer	Front Side
Material:	SS
Design:	Damping Connection VDI6022
Potential Equalisation:	Yes
Dimensions (W x H)	1595 x 894
Grating:	Without

Design: Fixed Panel

Accessories

Item Number	Description	Weight
	Schutzgitter beschichtet	5
Hints:	Blow-out guard incl.	



Datasheet: 02037534
Project: KVP Kiel, Gebäude 4,
 Remediation
 Waschraum
Location:
Unit:

Position: 753402
Side: 10 by 18
Date: 17.09.2025
Tender Position:



Supply Air Acoustic Data

Supply Air Connector

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	86	82	82	79	72	70	66	89
Residue Sound Power in dB(A)	70	73	79	79	73	71	65	83

Outside Air Connector

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	81	72	66	62	50	51	51	82
Residue Sound Power in dB(A)	65	63	63	62	51	52	50	70

Surrounding Acoustic Emission (Casing Emission)

Wall Thickness: 53 mm

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	74	77	71	62	53	40	34	79
Residue Sound Power in dB(A)	58	68	68	62	54	41	33	72

The Acoustic Data refer only on the inside fan
 Possibly the Supply Air and Extract Air Data have to be added together

Datasheet:	02037534	Position:	753402
Project:	KVP Kiel, Gebäude 4, Remediation Waschraum	Side:	11 by 18
Location:		Date:	17.09.2025
Unit:		Tender Position:	



Technical Data Extract Air

Outside Metal Sheet:	mm	1,0 galvanized coated, RAL 9002	Unit Size:	Special
Inside Metal Sheet:	mm	1,0 V2A (AISI304)	Position of Access Side:	Right
Inside Floor Metal Sheet:	mm	53,0 V2A (AISI304)	Position of Piping Side:	Left
Wall Thickness:	mm	53,0 V2A (AISI304)	Insulation Roof/Floor:	Mineral Wool 99kg/m ³
Dimensions (L x W x H):	mm	6829x1760x1830	Insulation Walls:	Mineral Wool 99kg/m ³
Air velocity:	m/sec	2,06	Class of Velocity:	V4
Weight:	kg	2728	Design:	VDI 6022

(EXT) Air Inlet Section **GSC/SS/SS** **Weight: 95 kg** **Length: 1 mm** **Pressure Drop: 1 Pa**

Connection:

Layer	Front Side
Material:	SS
Design:	Damping Connection VDI6022
Potential Equalisation:	Yes
Dimensions (W x H)	1595 x 1764
Grating:	Without
Design:	Fixed Panel

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, **Side:** 12 by 18
Remediation
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(EXT) Filter	GSC/SS/SS	Weight: 163 kg	Length: 785 mm	Pressure Drop: 127 Pa
Brand:	Rox	Filter Maintenance:	Clamp Rail	
Spare Filter:	1 Set	Frame:	V2A (AISI304)	
		Manometer:	DPA2500 with display	
1st Filter step				
Filter Type:	Taschenfilter L	Energy Efficiency Class:	B	
Filter Class EN779:2012:	F7	Filter Surface:	m ²	36
Filter Class ISO16890:	ePM1 60%	Medium:	Glass Fibre Hi-Flo	
ΔP Initial:	Pa 77			
ΔP End:	Pa 177			
Max. Pressure Drop:	Pa 340			
ΔP Dim:	Pa 127			
Type/Size/Quantity	Hi-Flo UF UF7 50+	592*592*600 mm	4 Piece	
	Hi-Flo UF UF7-63 50+	592*287*600 mm	2 Piece	
	Hi-Flo UF UH7 50+	287*592*600 mm	2 Piece	
Design:	Access Door	Sight glass:	Yes	
Lockers:	Lever Fastener	Light:	Wet Room Lamp IP65	
Hinges:	3D-Hinges	Wired:	Yes	

Accessories

Item Number	Description	Weight
	Lamp 230V	



Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 13 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(EXT) Run-Around-Coil System Extract Air

GSC/SS/SS

Weight: 987 kg

Length: 611 mm

Pressure Drop: 300 Pa

Type:

Operation Point Winter

Medium

Heat Transfer Medium: AntifrogenN 25%
Flow-Rate: m³/h --
Temp. In: °C --
Temp. Out: °C --
Charge: l 214,00
Pressure Drop: kPa --
Medium Velocity: m/s --
Surface Reserve: % --
Efficiency wet: % --

Air

Air Volume: m³/h 21000
Temp. In: °C 23,00
Rel. Humidity In: g/kg 2,30
Temp. Out: °C -0,40
Rel. Humidity out: g/kg 2,40
Pressure Drop: Pa 300
Pressure Drop dry: Pa 300
Air velocity: m/s --
Dehumidification: kg/h --
Capacity: kW -164,20

Operation Point Summer

Medium

Heat Transfer Medium: AntifrogenN
Flow-Rate: m³/h 0,00
Temp. In: °C 0,00
Temp. Out: °C 0,00
Charge: l 214,00
Pressure Drop: kPa 0,00
Medium Velocity: m/s 0,00
Surface Reserve: % 0,00
Efficiency wet: % 0,00

Air

Air Volume: m³/h 21000
Temp. In: °C 23,00
Rel. Humidity In: g/kg 12,20
Temp. Out: °C 29,40
Rel. Humidity out: g/kg 12,30
Pressure Drop: Pa 300
Pressure Drop dry: Pa 300
Air velocity: m/s --
Dehumidification: kg/h --
Capacity: kW 46,10
Finned height: mm --
Finned width: mm --
Separation (A x B): mm --
Fin Distance: mm --
Quantity Pipe Rows: --
Connection Inlet: 1 1/2"
Connection Outlet: 1 1/2"

Pipes:

Fin:

Collector:

Frame:

Connections: Gerade

Freeze protection: °C -17,00

Weight Heat Exchanger: kg 870,00

Design: Access Door

Lockers: Lever Fastener

Hinges: 3D-Hinges

Hints: This component is not included in the software Eurovent certified

Condensate Trough: RAL/V2A (AISI304)



Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 14 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(EXT) Droplet Eliminator **GSC/SS/SS** **Weight: 81 kg** **Length: 270 mm** **Pressure Drop: 22 Pa**

Brand: Rox
Material: PPTV **Guiding Rail:** V2A (AISI304)
Design: Access Door **Condensate Trough:** RAL/V2A (AISI304)
Lockers: Lever Fastener **Condensate Drain:** Yes
Hinges: 3D-Hinges

Accessories

Item Number	Description	Weight
	Siphon SN	

(EXT) Empty section **GSC/SS/SS** **Weight: 96 kg** **Length: 445 mm** **Pressure Drop: 0 Pa**

Design: Access Door **Sight glass:** Yes
Lockers: Lever Fastener **Light:** Wet Room Lamp IP65
Hinges: 3D-Hinges **Wired:** Yes

Accessories

Item Number	Description	Weight
	Lamp 230V	

(EXT) Silencer **GSC/SS/SS** **Weight: 260 kg** **Length: 790 mm** **Pressure Drop: 26 Pa**

Brand: Rox **Splitter length:** mm 685
Splitter Frame: galvanized and painted **Splitter Height:** mm 1715
Gap: mm 83 **Silencer Cover:** Fibreglass cover
Velocity (Gap): m/s 6,80
Splitter Width: mm 180 **Quantity:** 3
Splitter Width: mm 200 **Quantity:** 3

f	125	250	500	1000	2000	4000	8000	Hz
De	6	15	24	29	29	27	20	dB

Design: Access Panel
Lockers: Lockers

(EXT) Empty section **GSC/SS/SS** **Weight: 90 kg** **Length: 452 mm** **Pressure Drop: 0 Pa**

Design: Access Door **Sight glass:** Yes
Lockers: Lever Fastener **Light:** Wet Room Lamp IP65
Hinges: 3D-Hinges **Wired:** Yes

Accessories

Item Number	Description	Weight
	Lamp 230V	



Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 15 by 18
 Waschraum **Date:** 17.09.2025
Location: **Tender Position:**
Unit:



(EXT) Fan		GSC/SS/SS	Weight: 431 kg	Length: 1090 mm	Pressure Drop: 0 Pa
Brand:		Rox	Construction:	Free Running	
Fan Type:		1 x RLM E6-7180-BE-WU-L	Drivetrain:	Motor in Airstream	
SFP-Data with FC:	W/(m³/s)	1530	SFP-Class with FC:	SFP4	
Air Volume:	m³/h	21000	Motor type:	132 / IE4-6	
ΔP ext.:	Pa	550	Voltage / Frequency:	V/Hz	3~VSD-VSD
Dyn. Pressure Drop:	Pa	49	Nominal Power:	kW	15
Installation loss:	Pa	33	Nominal Current:	A	28,1
Static Pressure Drop:	Pa	1061	Nominal Rotation Speed:	1/min	1500
Total Pressure Drop:	Pa	1143	Frequency Converter:	Without	
Mechanical Shaft Power:	kW	8,32	Nozzle Pressure Difference:	Pa	1102
electrical Power Input:	kW	8,93 / P1	k-Factor:	m²s/h	490
Reference Power Input:	kW	11,96	Inside Fan Connection:	mm	900 * 900
Nominal Rotation Speed:	1/min	1283			
Maximum Rotation Speed:	1/min	1500			
Rotation Speed Spare:	%	16,91			
Nominal Frequency:	Hz	64,00			
Maximum Frequency:	Hz	75			
Total Efficiency:	%	80,00			
Static Efficiency:	%	77,00			
Static System Efficiency:	%	72			
Total Efficiency in Efficiency Optimum:	%	73.6			
Air Volume Measuring Point:		Air Volume Measuring Point			
Total Sound Power level:	dB(A)	87 / 82			

f	125	250	500	1000	2000	4000	8000	Hz
Lw o	86	82	82	82	79	77	74	dB
Lw i	86	81	78	76	74	72	69	dB

Design:	Access Door	Sight glass:	Yes
Lockers:	Lever Fastener	Light:	Wet Room Lamp IP65
Hinges:	3D-Hinges	Wired:	Yes

Accessories

Item Number	Description	Weight
	EPOX 60μ	
	PTC	
	Spring damper	
	additional locker	
	Lamp 230V	

Hints: The Installation losses of the fan are considered in the Fan Performances
 Designed for wet conditions
 The operating point can only be achieved by using a frequency converter
 Motor wired to Repair Switch
 Ring measuring line with T-piece led to the outside

Software ALAG
 [17.07.2025]
 Version 1.24/4.2



Management System
 ISO 9001:2015
 www.tuv.com
 ID 0910083041

Datasheet: 02037534 **Position:** 753402
Project: KVP Kiel, Gebäude 4, Remediation **Side:** 16 by 18
Location: Waschraum **Date:** 17.09.2025
Unit: **Tender Position:**



(EXT) Silencer	GSC/SS/SS	Weight: 359 kg	Length: 1090 mm	Pressure Drop: 31 Pa				
Brand:	Rox	Splitter length:	mm 985					
Splitter Frame:	galvanized and painted	Splitter Height:	mm 1715					
Gap:	mm 83	Silencer Cover:	Fibreglass cover					
Velocity (Gap):	m/s 6,80							
Splitter Width:	mm 180	Quantity:	3					
Splitter Width:	mm 200	Quantity:	3					
f	125	250	500	1000	2000	4000	8000	Hz
De	9	21	33	38	38	36	27	dB
Design:	Access Panel							
Lockers:	Lockers							

(EXT) Air Outlet Section	GSC/SS/SS	Weight: 166 kg	Length: 150 mm	Pressure Drop: 4 Pa
Connection:		Damper Size:		
Layer	Front Side	Assembly:	Inside	
Material:	SS	Material:	Aluminium	
Design:	Damping Connection VDI6022	Design:	Gear	
Potential Equalisation:	Yes	Tightness:	Class 2	
		Shaft Position:	Inside	
		Actuator:	Without	
Dimensions (W x H)	1595 x 1604	Dimensions (W x H x D):	1405 x 1614 x 115	
Grating:	Without			
Design:	Access Panel			
Lockers:	Lockers			



Datasheet: 02037534
Project: KVP Kiel, Gebäude 4,
 Remediation
 Waschraum
Location:
Unit:

Position: 753402
Side: 17 by 18
Date: 17.09.2025
Tender Position:



Extract Air Acoustic Data

Exhaust Air Connection

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	77	61	49	44	41	41	47	77
Residue Sound Power in dB(A)	61	52	46	44	42	42	46	62

Extract Air Connection

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	78	62	49	39	30	32	36	78
Residue Sound Power in dB(A)	62	53	46	39	31	33	35	63

Surrounding Acoustic Emission (Casing Emission)

Wall Thickness: 53 mm

Frequency f in Hz	125	250	500	1k	2k	4k	8k	Sum
Residue Sound Power in dB	72	75	69	60	51	38	32	77
Residue Sound Power in dB(A)	56	66	66	60	52	39	31	70

The Acoustic Data refer only on the inside fan
 Possibly the Supply Air and Extract Air Data have to be added together