#### **Data sheet**



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#### **Amamix C 4138/38 UDG**

Liquid volume365.40 m³Fill level7.00 mMaterialConcreteBasin length8.70 mTank shapeRectangular tank (E)Basin width6.00 m

## Installation parts

Mixer with installation parts 1.50 m Scope of supply Lenath Type of Installation Universal Instalation Holder for square guide rail Yes (Accessories 22) Claw material Stainless steel 1.4571 considered mounting depth 7.00 m Bracket Yes Adjustable (universal)

(guide tube length)Additional fastening setAdjustable (unit level tank floor Guide tube 1Stainless steel 1.4301lower holderlevel tank floor Number of center supports

Quantity 1 Adapter for tilt adjustment universal Length 6.00 m
Guide tube 2 60 x 60 x 3

#### **Material variant**

Axial propeller (ECB) Stainless steel 1.4571 Motor housing Grey cast iron EN-GJL-250 Shaft Stainless steel 1.4571

Jet pipe Without Studs A4

**FKM80** 

# Gasket Medium

Quantity

Pumped medium Sludge Dry substance content [DS] 1.00 %
Activated sludge (agitator) Loss on ignition 70.00 %
Not containing chemical and Sludge volume index (SVI) 80.00 ml/g

mechanical substances which Viscosity 1.00 mPa s affect the materials Share rate 189.00 1/s

Density 1000 kg/m³ Operating temperature 20.0 °C

#### Creation of flow

Average flow velocity required 30.00 cm/s

The average flow velocity can only be achieved if inflows are oriented in flow direction.

flow velocity

Sealing plan

# Design

Max. temperature 40.0 °C Manufacturer KSB weight 91 kg Type (propeller side) MG Type Amamix C 4138 / 3 8 Material code (propeller side) SIC/SI

Type Amamix C 4138 / 3 8 Material code (propeller side) SIC/SIC/FPM Execution of drive Number of blades 3 Mixer standard Execution SIC/SIC/FPM KSB-Aggregate international execution

Propeller diameter 410.0 mm

Propeller speed 700 rpm Ex protection No
Absorbed power P1 at 2.98 kW Norm Without operating point based on pure Temperature classes without

water aggregate
Shaft seal 2 mech. seals in tandem arrangement with oil reservoir Weight without 91

T Tandem mechanical seal

#### **Data sheet**



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#### Amamix C 4138/38 UDG

#### Please note

KSB quotations and the selection of mixers are exclusively based on the operating parameters specified above as well as the relevant physical variables. Consequently, KSB only accepts warranty obligations for the mixing equipment to the extent of the data provided. It is therefore important that the customer verifies whether the system data considered by KSB in the mixer data sheet does, in fact, conform with the data of the application, and that KSB is informed of any deviations. As the overall function substantially depends on the correct positioning of the mixing equipment, KSB does not accept any warranty claims resulting from a mixer positioning which has not explicitly been approved of by us. Neither low-flow areas (flow separation) resulting from the tank geometry nor the hydraulic solids transportation of the overall system are subject to the KSB warranty. Furthermore, the utilisation of KSB mixers in protected procedures, and any resultant infringement of the industrial property rights of third parties, are similarly excluded.

Possible unexpected on-site conditions may result in the reduction of the average flow velocity. In addition, tolerances in the average flow velocity may occur when conforming with the mixer-relevant standards and directives.

Please observe that velocities higher than the average flow velocity may be present locally.

The required flow velocity for a sediment-free operation is determined by the operational quality of the systems upstream of the tank, essentially by the quantity of solids reaching the tank. Activated sludge flocs settle at flow velocities < 10 cm/s or in case of lack of local turbulence.

Without addition of polymeric flocculation aid.

Mixer(s) positioning in accordance with the system drawing!

#### Motor

FI operation permitted Yes (acc. motor manufacturer) Motor moisture sensor Driver type Electric motor Frequency 50 Hz Motor manufacturer **KSB** Motor speed 700 rpm Motor generation Rated current 6.9 A D Motor supplied by Standard motor supplied by Starting current ratio 3.5 F to IEC 34-1 KSB - mounted by KSB Insulation class not classified Efficiency class Poles Rated voltage 400 V Starting mode Direct/Star-delta possible Rated power 2.50 kW Operation with Frequency Type of protection Without Inverter. **IP68** Motor enclosure Cable design Rubber hose Cable entry Temperature classes without Sealed along entire length Temperature sensor PTC resistor Sales description power cable S1BN8-F 12G1.5 400 / 690 V Winding Number of power cables Connection mode Delta 10.00 m Cable length Number of additional cable Cooling method Surface cooling Motor version U support including catch hook

### **Nameplates**

Nameplates language International Duplicate nameplate With

outdoor storage up to 3

months

# **Packaging**

IPPC Standard ISPM 15
Packaging category
Packaging category
Packaging for transport
B1 Wooden or plywood
case, cover provided with
polyproylene cellular sheet,
Truck
Outdoor storage at -40°C to +50°C for up to 3 months. Packet
must be covered. No corrosion protection, only transport
protection.

Packaging for storage Indoor



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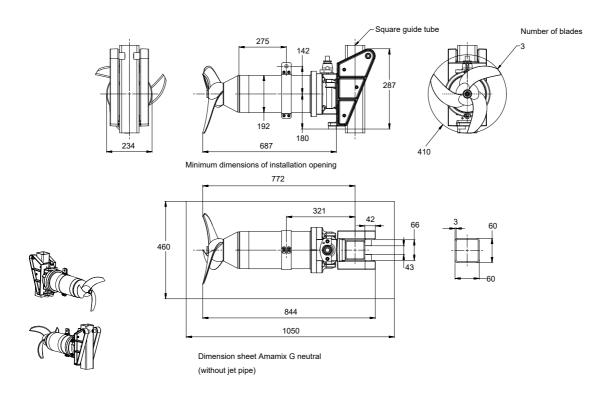
# **Amamix C 4138/38 UDG**

PEDESTAL	DKBV-O.VBA-215632		
socket for floor m material galv. Steel	ounting for crans 250kg; 360kg; 550k,	Material no	01615696
ROPE 5X12000	)		
• .	nes, remains with the unit, for use with ne, diameter=5mm; lenght 12m; material	Material no	11304621
HOLDER	SEILSPANNER DM.5		
tightener and snu	ubbing post for rope; material 1.4571	Material no	19554260
CRANE	250/2000-231173		
Crane, carrying capacity 250 kg with a working range of max. 2046 mm, incl. installation set; material galvaniced steel with rope		Material no	01615688
incl. installation s winch,	et; material galvaniced steel with rope		



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# **Amamix C 4138/38 UDG**

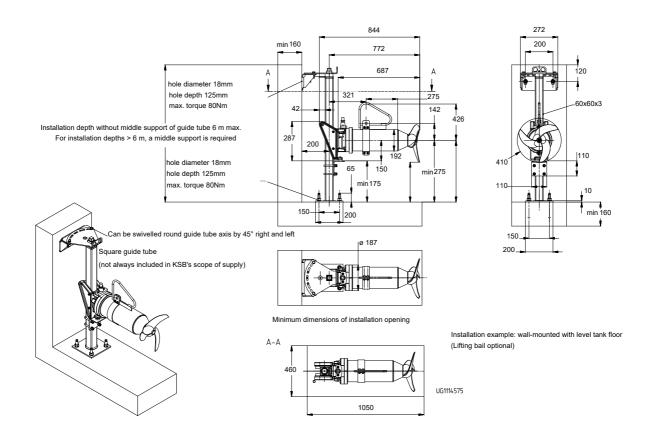


Drawing is not to scale Dimensions in mm



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# Amamix C 4138/38 UDG



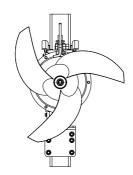
Drawing is not to scale Dimensions in mm

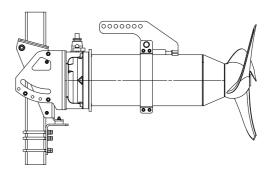
Universal Instalation (Accessories 22)

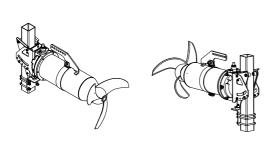


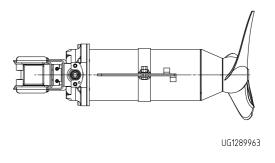
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# **Amamix C 4138/38 UDG**









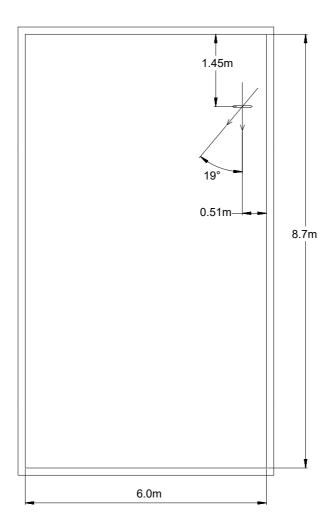
Drawing is not to scale

Adapter for tilt adjustment



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# Amamix C 4138/38 UDG



Drawing is not to scale

The propeller centre is the reference point.

Tank shape: Rectangular tank (E)
Type of Installation: Wall mounting

# Comments

Tank installations are not shown in the positioning options. Please check whether the positioning is suitable for the local conditions.

The properly centre is the reference point

RW1: Amamix C 4138/38 UDG