

Amamix C 3225/06 UDG**Medium**

Pumped medium	Sludge Primary and excess sludge (agitator) Not containing chemical and mechanical substances which affect the materials	Dry substance content [DS] Loss on ignition Sludge volume index (SVI) Viscosity Share rate	3.55 % 70.00 % 80.00 ml/g 160.00 mPa s 189.00 1/s
Density	1000 kg/m ³		
Operating temperature	20.0 °C		

Tank

Liquid volume	109.03 m ³	Basin length	7.08 m
Material	Concrete	Basin width	4.40 m
Tank shape	Rectangular tank (E)	Number of mixers	1
Fill level	3.50 m	Energy density	13.67 W/m ³
Tank depth	4.00 m		

Mixing task

System operation without harmful deposits

Design

Max. temperature	40.0 °C	Manufacturer	KSB
weight	54 kg	Type (propeller side)	MG
Type	Amamix C 3225 / 0 6	Material code (propeller side)	SIC/SIC/FPM
Execution of drive	direct	Mixer standard	KSB-Aggregate international execution
Number of blades	2		
Propeller diameter	325.0 mm	Ex protection	No
Propeller speed	920 rpm	Norm	Without
Absorbed power P1 at operating point based on pure water	1.49 kW	Temperature classes aggregate	without
Shaft seal	2 mech. seals in tandem arrangement with oil reservoir	additional leakage control	Without
Sealing plan	T Tandem mechanical seal	Weight	53.5

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Motor

FI operation permitted	Yes (acc. motor manufacturer)	Winding	400 V
Driver type	Electric motor	Poles	6
Motor manufacturer	KSB	Starting mode	Direct-on-line starting
Motor generation	D	Starting mode	
Motor supplied by	Standard motor supplied by KSB - mounted by KSB	Connection mode	Star
Rated voltage	400 V	Cooling method	Surface cooling
Frequency	50 Hz	Motor version	U
Motor speed	920 rpm	Operation with Frequency Inverter.	No
Rated power	1.80 kW	Cable design	Rubber hose
Rated current	4.8 A	Cable entry	Sealed along entire length
Starting current ratio	4.3	Sales description power cable	S1BN8-F 7G1.5
Insulation class	F to IEC 34-1	Number of power cables	1
Type of protection	Without	Motor moisture sensor	1
Motor enclosure	IP68	Cable length	10.00 m
Temperature classes	without	Number of additional cable support including catch hook	0
Temperature sensor	PTC resistor		

Material variant

Axial propeller (ECB)	Stainless steel 1.4571	Motor housing	Grey cast iron EN-GJL-250
Gear casing		Shaft	Stainless steel 1.4571
Jet pipe	Without	Studs	A4
Gasket	FKM 80		

Nameplates

Nameplates language	International	Supplementary text	634-AA-001
Duplicate nameplate	With		

Installation parts

Scope of supply	Mixer with installation parts	Holder for square guide rail	Yes
Type of Installation	Universal Instalation (Accessories 22)	Claw material	Grey cast iron EN-GJL-250
considered mounting depth (guide tube length)	4.00 m	Bracket	Yes
Material guide tube		Additional fastening set	Adjustable (universal)
Guide tube 1	Stainless steel 1.4301	lower holder	level tank floor
Quantity	60 x 60 x 3	Number of center supports	0
Length	1	Adapter for tilt adjustment	Without
	6.00 m		

Amamix C 3225/06 UDG**Please note**

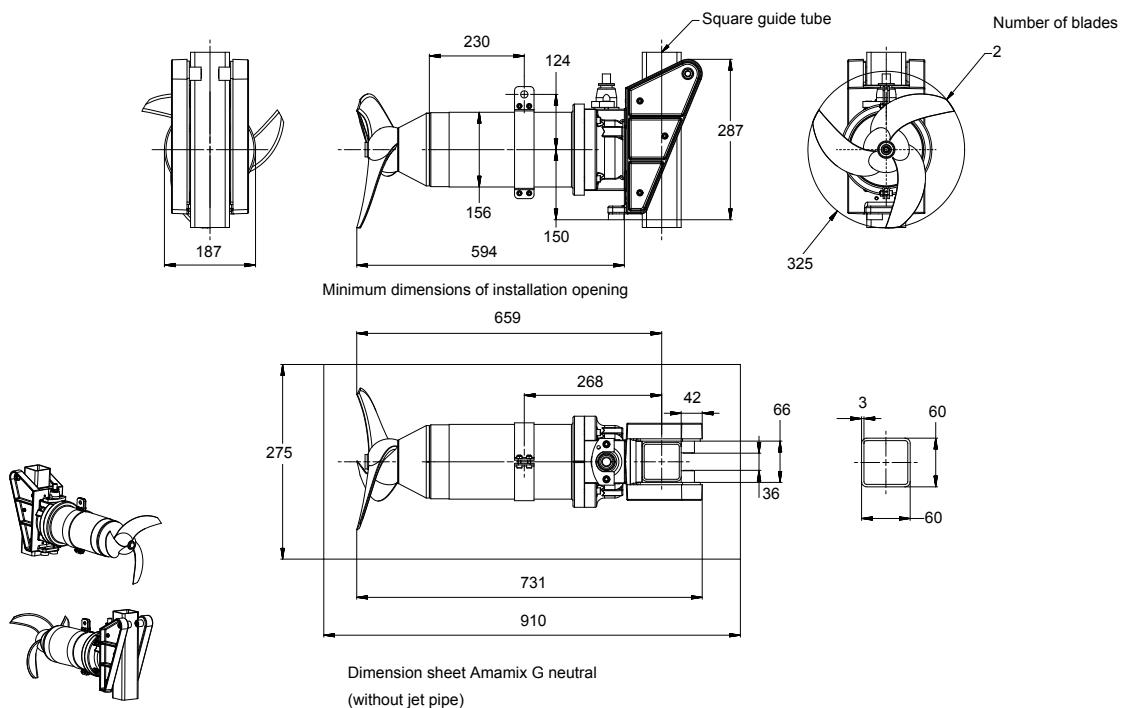
KSB quotations and the selection of mixers are exclusively based on the operating parameters specified above as well as the relevant physical variables. Consequently, KSB only accepts warranty obligations for the mixing equipment to the extent of the data provided. It is therefore important that the 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.

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

To achieve the mixing task it is important to ensure that the inflow is lined up with the mixer flow direction.
Please take into account the powerful jet-stream.

Without addition of polymeric flocculation aid.

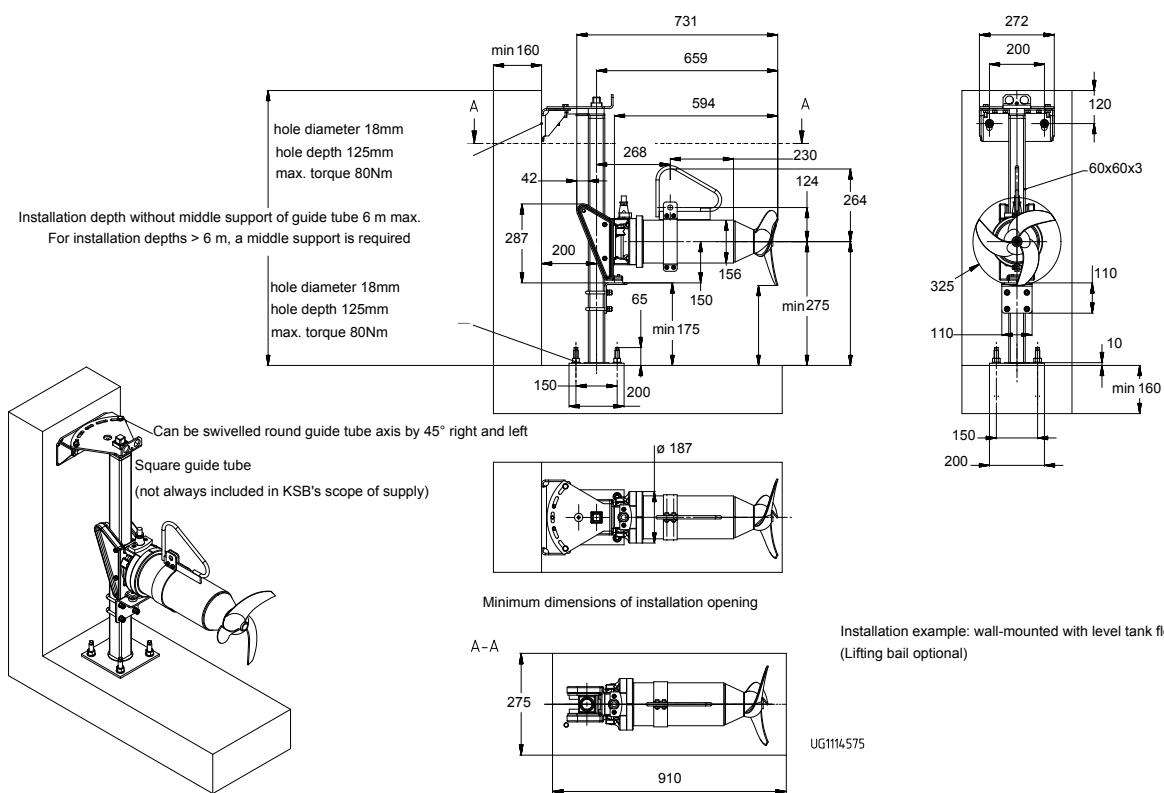
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Drawing is not to scale

Dimensions in mm

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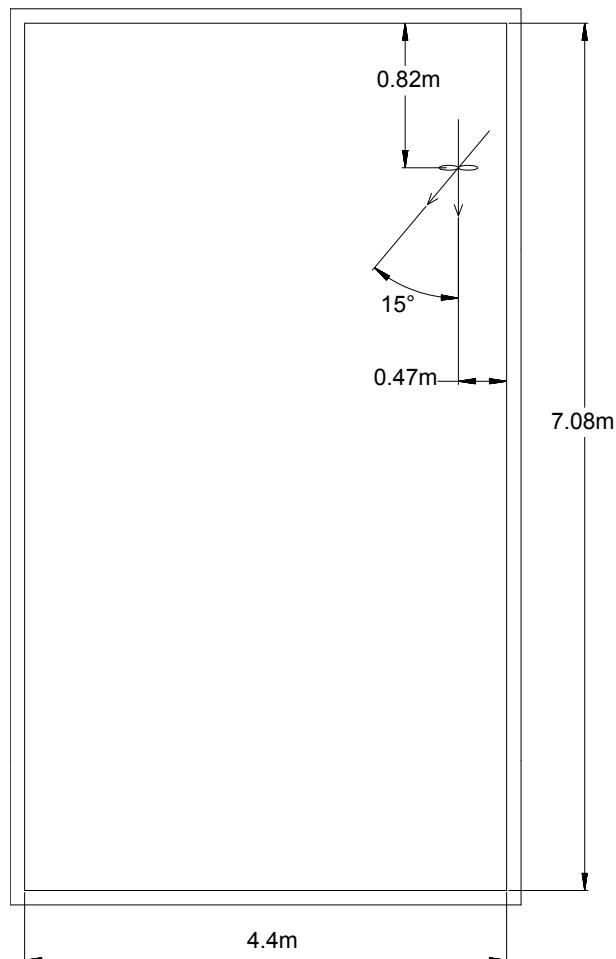


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Dimensions in mm

Universal Installation (Accessories 22)

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Drawing is not to scale

The propeller centre is the reference point.

Tank shape: Rectangular tank (E)

Type of Installation: Wall mounting

RW1: Amamix C 3225/06 UDG

Comments

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