Data sheet



Customer pos. no.: PU-ME 64 Purchase order date: 2009-08-10

Your P/O no.: B09M0170

Quantity: 6,000

Number: 9971598635 - 044

Line: 000900 Date: 2009-08-26 Page: 38 / 82

Version no.: 9

Etanorm G 065-250 SP Standardpump acc. EN 733

0	рe	ra	tir	a	da	ta

Requested flow rate Requested developed head Pumped medium	120.00 m³/h 62.00 m Water, drinking water / tap water Clean water Materials are not affected by chemical and mech. substances	Actual flow rate Actual developed head Efficiency Power absorbed Pump speed of rotation NPSH required Permissible operating pressure	120.03 m³/h 62.03 m 74.2 % 26.98 kW 2975 rpm 4.82 m 16.00 bar.g
Fluid temperature Fluid density Fluid viscosity	52.0 ℃ 987 kg/m³ 0.54 mm²/s	Discharge press.	6.10 bar.g
Suction pressure max. Suction pressure min. NPSH available Mass flow rate	0.10 bar.g 0.10 bar.g 9.94 m 32.90 kg/s	Max. power on curve Min. allow. flow rate Min. allow. mass flow rate Shutoff head	29.12 kW 16.92 m³/h 4.64 kg/s 75.92 m

D

Mass flow rate	32.90 kg/s	Shutoff head	75.92 m
Design			
Pump standard Design	EN 733 Baseplate mounted, long-coupled	Sealing plan A liquid free of solids is assume	
Orientation Suction nominal dia.	Horizontal DN 80	Seal chamber design Contact guard	Standard seal chamber with
Suction nominal pressure Suction position Suction Flange standard Discharge nominal dia. Discharge norminal pressure Pump discharge position Connection standard discharge	PN 16 axial EN 1092-2 DN 65 PN 16 top (0 %360 °) EN 1092-2	Wear ring Impeller diameter Free passage size Direction of rotation from drive Silicon free pump assembly Bearing bracket construction Bearing bracket size	Casing wear ring 229.0 mm 13.0 mm Clockwise Yes Standard (normal) WE35
Shaft seal Manufacturer Type Material code Shaft seal code	Gland packing KSB RT-P RT/P 1	Bearing seal Bearing type Lubrication type Lubrication monitoring Colour	Lip seal Anti-friction bearings Oil Oil level sight glass Ultramarine blue (RAL 5002) KSB-blue

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Driver, accessories

Nominal size 140	nder ex NH .0 mm
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Coupling guard type

Guard size B189 Guard material

Baseplate type

Baseplate size Baseplate fixing

Driver type Model (make)

Drive supplied by

Motor const. type

Lightweight, not treadproof (ZN79)

Galvanised steel ST TZN U-beam / folded plate

10B Foundation bolts galvanized

steel Electric motor

KSB

Standard motor supplied by KSB - mounted by KSB

B3

Motor size 250M Efficiency class Eff1 50 Hz Frequency Operating voltage 400 V Rated power P2 Rated current 93.0 A Starting current ratio 6.8

Insulation class Motor enclosure Cos phi at 4/4 load Temperature sensor

Motor winding Number of poles Operating mode Motor cooling method

Motor material

55.00 kW F to IEC 34-1

IP55

0.90 3 PTC resistors 400 / 690 V Delta

> Surface cooling Grey cast iron GG/CAST

IRON

Materials G

Notes		Casing wear ring (502.1)	Grey cast iron GG/CAST
general criteria for a water a	nalysis: pH-value >= 7; chloride	,	IRON
content (CI) <=250 mg/kg. c	hlorine (Cl2) <=0.6 mg/kg.	Casing wear ring (502.2)	Grey cast iron GG/CAST
Volute casing (102)	Grey cast iron JL 1040		IRON
Discharge cover (163)	Grey cast iron JL 1040	Shaft protecting sleeve (524)	Chrome steel 1.4122+QT7
Shaft (210)	Steel/Tempered steel	Stud (902)	Steel 8.8
	EDDE/CAE	Carattad altra (000)	CAI OT

E335/C45 Impeller (230) Grey cast iron JL 1040 Bearing bracket (330) Grey cast iron JL 1040 Joint ring (411)

DPAF Sealing plate asbestosfree

Screwed plug (903) Impeller nut (922) Lockwasher (931)

NC rome steel 1.4122+QT750 el 8.8

Steel ST Steel 8

Stainless steel 1.4301

Packaging

Packaging for transport Packaging for storage

Ship Outdoor Packaging for country Packaging category

Germany

B1 Wooden or plywood case, cover provided with polyproylene cellular sheet, outdoor storage up to 3

months

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Standardpump acc. EN 733

Certifications

Hydrostatic pressure test with water

Range

Complete pump with shaft

seal

Test pressure

21.00 bar.g

Certificate

Inspection cert. 3.1 to EN

10204

Test time

10.0 min

Hydraulic performance test

Test participation

Without customer

Acceptance standard

ISO 9906 class 2, annex A

Quantity meas. points Q-H

Quantity meas. points NPSH

Certificate

Report

Test participation

Without customer 6

Quantity without customer Quantity with customer

0

Bearing temperature test

No

Material tests for Volute casing, pressure cover, impeller

(etanorm)

Certificate

Test report 2.2 to EN 10204

Order documentation

The following documents will be supplied with the order:

Operating manual

General arrangement drawing

Manufacturer's or conformity declaration

Performance curve

Inspection reports/ certificates

Material certificates

Sectional drawing of pump Detail drawing mech. seal

Spare parts list

Schematic drawing with allowable forces and moments

Auxiliary connection plan

Technical data sheet Languages

German, English

Address

Engineer

Operator

No. copies 5

English