

Data sheet



Customer pos. no.: PU-XE-22 A/B
 Purchase order date: 2009-08-12
 Your P/O no.: B09M0172
 Quantity: 4,000

Number: 9971599122 - 044
 Line: 001800
 Date: 2009-08-27
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Centr. pump with non-clogging imp. KWP K 150-315

Operating Data

Flow rate	245	m3/h	Pumped product	Water
min. required	103,2	m3/h	-"	Process Water Supply
Discharge head	25	m	Operating temperature t/o	38 °C
Pump NPSH	2,6	m	Density (t/o)	1 kg/m3
Inlet pressure	1	bar	Viscosity (t/o)	1 mm2/s
Outlet pressure	3,45	bar	Power input of pump (P2)	22,1 kW
Allow. dischrg pressure (t/o)	10	bar	Design speed	1465 1/min
Efficiency	75,6	%		

Design

Number of vanes	2	Shaft seal	Stuffing box I
Impeller diameter	302 mm	Installation drawing	W221383
Impeller outlet width	88x88	Code product side	Ramie fibre/PTFE
Suct. nozzle DN	150 mm	Sealing liquid quantity	3 l/min
Position	axial	Sealing liquid pressure	3,3 bar
Disch. nozzle DN	150 mm	Bearing bracket	P05AX
PN / Standard	ASME/Class 150	Pressure gauge connection	with press gauge-/outlet hole
Position	top !		
Drilled	RF drilled		
Explosion protection to ATEX	no		

Accessories, Drive

Drive	Electric motor	Coupling	Eupex
Make	KSB EFF1	Type / Size	N-H / 140
Supplied by	Driver supplied by KSB	Spacer	180 mm
Type of construction	B3	Baseplate	8S
Motor size	200L		
Nominal voltage	400/690V		
Frequency	50 Hz		
Rated power P2	30 kW		
Thermal class	F		
Type of protection	IP55		
Thermal motor protection	3		

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Materials

Volute casing	JL1040	Pump shaft	C45+ N
Suc. side wear plate	ERN	Shaft protecting sleeve	1.4122 HV500
Discharge cover	JL1040	Coupling	JL1040
Impeller	ERN	Coupling guard	Steel
		Baseplate	ST
		Anchor bolts	ST verzkt.

Coating, Packing, Nameplates

Coating	Std.coatg.,top coat syn.enamel	Packaging	seaworthy Packing
Finish coat	RAL 5002, ultramarine blue	Plates	english

Documentation, Certificates

Documentation (Quantity) 5

Qty./language	Customer
Documentation	5 English
Material certific.	5 English
Packed with the pump	1 English
Product tests	5 English

PROD.TESTS /INSPECT. 3.1B to EN10204 consisting of

*1 non-witnessed, *2 witnessed
 Hydrostatic press. test of cpl. pump set / test 15,0 bar,
 Water at 20 oC, test duration 15 min *1
 Performance test ISO 9906/2A, 5 points *1
 Final inspection *2

MAT. CERTIFICATES 2.2 to EN 10204 consisting of:

Part No.	Description	Material		Certificate No.
101	Pump casing	JL1040	8	
163	Discharge cover	JL1040	8	
230	Impeller	ERN	7	
210	Shaft	C45+N	4	
524	Shaft prot. sleeve	1.4122 HV500	19	