

Data sheet



Customer pos. no.: PU-XE-21 A/B
 Purchase order date: 2009-08-12
 Your P/O no.: B09M0172
 Quantity: 2,000

Number: 9971599122 - 044
 Line: 002000
 Date: 2009-08-27
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Centr. pump with non-clogging imp. KWP K 250-403

Operating Data

Flow rate	780	m3/h	Pumped product	Water
min. required	578,2	m3/h	-"	Process Water Supply
Discharge head	48	m	Operating temperature t/o	70 °C
Pump NPSH	4,8	m	Density (t/o)	1 kg/m3
Inlet pressure	1	bar	Viscosity (t/o)	1 mm2/s
Outlet pressure	5,71	bar	Power input of pump (P2)	128,8 kW
Allow. dischrp pressure (t/o)	10	bar	Design speed	1486 1/min
Efficiency	79,1	%		

Design

Number of vanes	5	Shaft seal	Stuffing box I
Impeller diameter	391 mm	Installation drawing	W221387
Impeller outlet width	44x75	Code product side	Ramie fibre/PTFE
Suct. nozzle DN	250 mm	Sealing liquid quantity	4 l/min
Position	axial	Sealing liquid pressure	3,7 bar
Disch. nozzle DN	250 mm	Bearing bracket	P10AX
PN / Standard	ASME/Class 150		
Position	top !		
Drilled	RF drilled		
Explosion protection to ATEX	no		

Accessories, Drive

Drive	Electric motor	Coupling	Flender
Make	Siemens	Type / Size	Arpex NAN / 240
Supplied by	Driver supplied by KSB	Spacer	350 mm
Type of construction	B3	Baseplate	AN845 Gr. 14
Motor size	315L		
Nominal voltage	400/690V		
Frequency	50 Hz		
Rated power P2	160 kW		
Thermal class	F		
Type of protection	IP55		
Thermal motor protection	3		
Motor standstill heater	with		

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Materials

Volute casing	JL1040	Pump shaft	C45+ N
Suc. side wear plate	NORIHARD	Shaft protecting sleeve	1.4122 HV500
Dis. side wear plate	NORIHARD	Coupling	St
Shaft seal housing	JL1040	Coupling guard	St
Impeller	NORIHARD	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	Quantity	Certificate No.
101	Pump casing	JL1040	8	
163	Discharge cover	NORIHARD	13	
230	Impeller	NORIHARD	13	
210	Shaft	C45+N	4	
524	Shaft prot. sleeve	1.4122 HV500	19	