

Data sheet



Customer pos. no.: PU ME 93
Purchase order date: 2009-08-10
Your P/O no.: B09M0170
Quantity: 1,000

Number: 9971598635 - 044
Line: 001600
Date: 2009-08-26
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Centr. pump with non-clogging imp. KWP K 80-315

Operating Data

Flow rate	100	m3/h	Pumped product	light slurry
min. required	20,7	m3/h	-"	1g/l slurry
Discharge head	20	m	Operating temperature t/o	60 °C
Pump NPSH	2	m	Density (t/o)	1,05 kg/dm3
Inlet pressure	0,1	bar	Viscosity (t/o)	1 mm2/s
Outlet pressure	2,16	bar	Power input of pump (P2)	8,47 kW
Allow. dischrq pressure (t/o)	10	bar	Design speed	1459 1/min
Efficiency	67,5	%		

Design

Number of vanes	2	Shaft seal	Stuffing box I
Impeller diameter	270 mm	Installation drawing	W221387
Impeller outlet width	49x44	Code product side	Ramie fibre/PTFE
Suct. nozzle DN	100 mm	Sealing liquid quantity	2 l/min
Position	axial	Sealing liquid pressure	2,2 bar
Disch. nozzle DN	80 mm	Bearing bracket	P04AX
PN / Standard	ASME/Class 150		
Position	top !		
Drilled	RF drilled		
Explosion protection to ATEX	no		

Accessories, Drive

Drive	Electric motor	Coupling	Eupex
Make	KSB EFF1	Type / Size	N-H / 110
Supplied by	Driver supplied by KSB	Spacer	140 mm
Type of construction	B3	Baseplate	7S
Motor size	160L		
Nominal voltage	400/690V		
Frequency	50 Hz		
Rated power P2	15 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	NORIHARD	Shaft protecting sleeve	1.4122 HV500
Dis. side wear plate	NORIHARD	Coupling	JL1040
Shaft seal housing	JL1040	Coupling guard	Steel
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	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