



TECHNICAL DATA SHEET

Offer No.: A183787_rev0_te
 Client No.: 45357

Date: 25.10.2024
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Project: SA-KRH-150/450-101/TN, 1284358/02

Main Condensate pumps

1 pc(s) PROCESS PUMP
 Type: **KRH-150/450-101/TN**
 Spare pump for serial no.: 1284358/02

Scope of delivery:

Pump bare shaft
 without baseplate
 without coupling / coupling guard
 without motor
 with drain and vent: with threaded plug

Liquid: Condensate
Solids: none
Operating temperature (OT): 40 ... 80 °C
Density at OT: 972 ... 993 kg/m³
kin. viscosity at OT: max. 1 mm²/s

Pump data:

Branch	DN (mm)	PN (bar)	drilled acc. to	branch position
Suction branch	200	40	DIN 2501	/end
Discharge branch	150	40	DIN 2501	/top
Flange type	B1		acc. to DIN EN 1092-1	
Feet position	middle			
Sense of rotation	clockwise seen from drive end			
Speed	2980	rpm		
Impeller diameter	429	mm		
Flow rate	422	m ³ /h		
Head	240	m		
BHP	370.5	kW	at density 993 kg/m ³	
NPSH avail.	unknown			
NPSH pump	5.44	m	at Q = 100 m ³ /h without safety margin	
Min flow rate	120	m ³ /h		
max. allowable casing pressure	28	bar	at +20 °C	

Material: with material certificates DIN EN 10204

acc. to customer requirements
 Volute casing 0.7040 - 2.2
 Casing cover 0.7040 - 2.2
 Impeller 0.7040 - 2.2



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Shaft 1.4057 - 2.2

Bearing: Oil lubrication

Shaft sealing:

Mechanical seal double
brand Crane
type Cartex
Vacuum operation: YES

The sealing liquid of mech. seal (condensate quality) is to lead, to connected and to drain off by customer.
Delivery limits are the connecting points at the mechanical seal.

Motor: without

Approval tests:

Pressure test at 1.5 x max. casing pressure and 20 °C
Function test acc. to EN ISO 9906 class 2
* Flow-Head-Power measurement - in 5 operating points
* NPSH measurement - in 3 operating points
Test protocols acc. to DIN 55350: Manufacturer Test Certificate M
Material Certificate acc. to DIN EN 10204: 2.2 for casing, shaft and impeller

Painting: Apollo Standard 1.2 – INT/C2 (assumption, please check)
Total dry film thickness: nominal 120 µm
Colours: RAL 5017 blue
Nameplate: Stainless steel / English
Packing: seaworthy
Preservation: for short storage acc. to Apollo standard KK (max. 6 months)

Place of installation: indoor (assumption, please check)
Ambient temperature +5 ... +50 °C

Documentation: acc. to Apollo standard for spare pumps
Language: English
Design: Apollo standard

Accessories: without

Remarks: -weighted measuring-surface sound pressure level less than 83 dB(A) + 3 dB(A) tolerance