

HILGE - HYGIA I ADAPTA (HP-059889)
Type code
HYGIA I/1/A/AW/50x50/Ra<=3,2µm
(Configuration number: HP-059889)
(REPLACEMENT. OF S/N: 22/01/130660)

MEDIUM & PERFORMANCE

Dimension standard
Metric
Product customer
Sugar/Syrup 65° Brix
Flow product [m³/h]
8.00
Head product [m]
44.00
Additional duty data
No
Temperature product [°C]
85.0
Viscosity product [mPas]
4.0
Density product [kg/m³]
1,250.0
Concentration [%]
25.0
Particle size [mm]
0.0
Abrasive
Yes
Medium test bed
Water 20 °C
Flow rate testing bay [m³/h]
8.00
Pressure head testing bay [m]
44.00
Frequency testing bay [Hz]
60

PUMP
Pump size
GEA Hilge HYGIA I
Pump design
Adapta
Pump arrangement
Horizontal
Number of stages
1

EHEDG confirmation
No
3A Confirmation
No
Casing design HYGIA
Casing with clamp ring - KLM
Casing options
Standard casing
Casing cover options
Standard
Drain
Yes - Drain socket
Motor
With motor
Motor standard (mechanical)
IEC
Painting colour
Jet black - RAL 9005
Nominal pump pressure
PN 10 (150 lbs)
Surface roughness
Ra <= 3,2 µm (Ra <= 125 µin)
Welding seam finish
w/o treatment
Material liquid contacted parts
Cr-Ni-Mo steel
Ferrite content
w/o restriction
Surface finish
Liquid contact welding parts
CONNECTION & IMPELLER
Pipe standard
DIN EN 10357
Connection type
Thread
Connection standard
DIN 11851, thread male
Nominal diameter inlet
DN 50
Nominal diameter outlet
DN 50
Outlet position
12:00 (View from pump side)
Counter connection

With counter connections
Drain pipe standard
DIN EN 10357
Drain connection type
Clamp connector
Drain connection standard
DIN32676, clamp
Drain nominal diameter
DN 15
Drain angle of slope
45 °
Impeller Type
Semi-open (casted)
Impeller Size
185x6
Impeller diameter (1st stage)
165

SEALING
Pump elastomer material
EPDM
Pump elastomer certificate
FDA
Shaft seal type
Double, tandem
Seal spring design
Open spring
Shaft seal seat
001-seat
Seal material static ring
SiC (solid)
Seal material rotating ring
SiC (shrunk)
Seal elastomer material
EPDM
Seal elastomer certificate
FDA
Seal stationary design
-
Spring rotating direction
Clockwise (cw)
Shaft seal surface roughness
Ra <= 1,6 µm (Ra <= 62,5 µin)
Shaft seal ferrite content
w/o restriction
Seal housing options
Standard

Seal spring design
Open spring
Seal material stat. ring
Hard carbon
Seal material rot. ring
SiC (shrunk)
Seal elastomer material
EPDM
Seal stationary design
-
Spring rotating direction
Clockwise (cw)
Shaft seal flushing connection
Plain pipe 10 mm
DESIGN
Shroud design
w/o shroud
Pump mounting
On adjustable feet
Pump mounting (additional)
w/o additional
Material design parts
Cast iron

Coupling Type
N-EUPEX B

MOTOR
Motor
With motor
Motor frequency
60 Hz
Motor efficiency class
IE3
Motor standard (mechanical)
IEC
Motor type
Asynchronous motor
Motor country conformity
EISA/UL, CSA - North America
Motor frequency converter (FC)
Without integrated freq. conv.
Motor power
5,5 kW
Motor poles
2-pole

Motor phases

3

Motor rated voltage

3x 460 V

Motor voltage

460 VD / 800 VY

Motor protection class

IP55

Motor protection

With 3x PTC-thermistor

Motor design

IM B35

Motor bearing

Standard

Motor terminal box position

Top

Motor frame material

not specified

Motor frame size

132S

Motor supplier

Our choice