

Technical data

Fire fighting system

SiFire EN 100/200-205-45/45/0.7

Project name

Untitled project 2015-12-16 11:27:22.283

Project ID

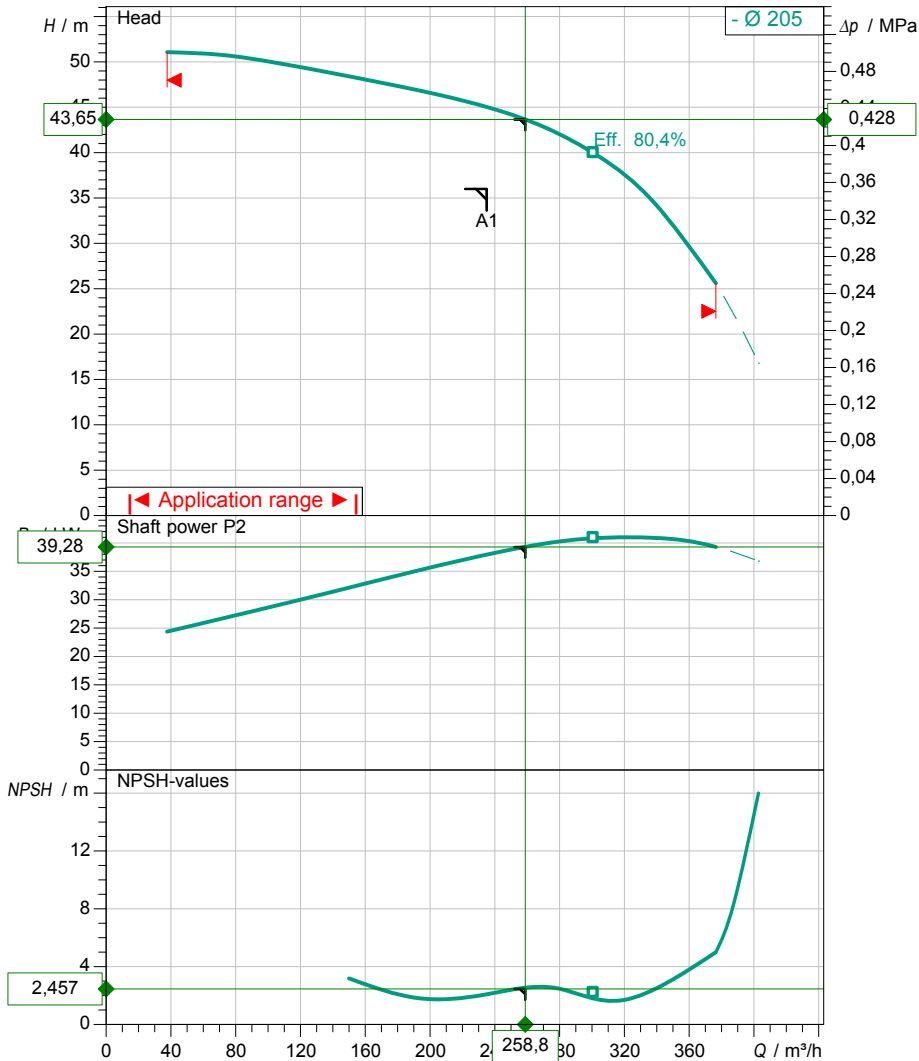
56CADEE3-D821-4D7F-80E3-5EC62B186BDE

Installation location

Customer pos.no

Date 2015-12-16

Duty chart



Requested data

Flow	235,00 m³/h
Head	36,00 m
Media	Water
Fluid temperature	10,00 °C
Density	999,60 kg/m³
Kin. viscosity	1,30 mm²/s

Hydraulic data (Duty point)

Flow	258,78 m³/h
Head	43,65 m
Shaft power P2	39,28 kW

Product data

Fire fighting system
SiFire EN 100/200-205-45/45/0.75 EEJ

Number of electrical drives	
Number of jockey pumps	
Max. operating pressure	1 MPa
Fluid temperature	3 °C ... + 50 °C
Max. environmental temperature	40 °C
Degree of protection	IP 54

Electric pump

Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	±10 %
Max. speed	2900 1/min
Number of poles	2
Rated power P2	45,00 kW
Rated current	78,60 A
Power factor	
Motor efficiency level	IE3
Degree of protection	IP 54
Threaded cable connection	2xM50/1xM16
Insulation class	F

Jockey pump

Nominal power	0,75 kW
Rated current	1,83 A
Gross volume	20 l
Pump housing (jockey)	EN-GJL-250
Motor shaft (jockey)	1.4301
O-ring (jockey)	EPDM

Fitting dimensions

Pipe connection on the suction side DN 125, PN 10
Pipe connection on the pressure side DN 150, PN 16

Materials

Base frame	Steel galvanized
Joint tubings	Painted steel
Wear rings	Bronze (CuSn5Pb20)
Pump housing	EN-GJL-250
Impeller	1.4408 [AISI316]
Impeller (jockey)	1.4301

Information for order placements

Weight approx.	1517 kg
Item number	4183977

Ptext Sifire_Hint_Curve

Dimensions

Fire fighting system

SiFire EN 100/200-205-45/45/0.7

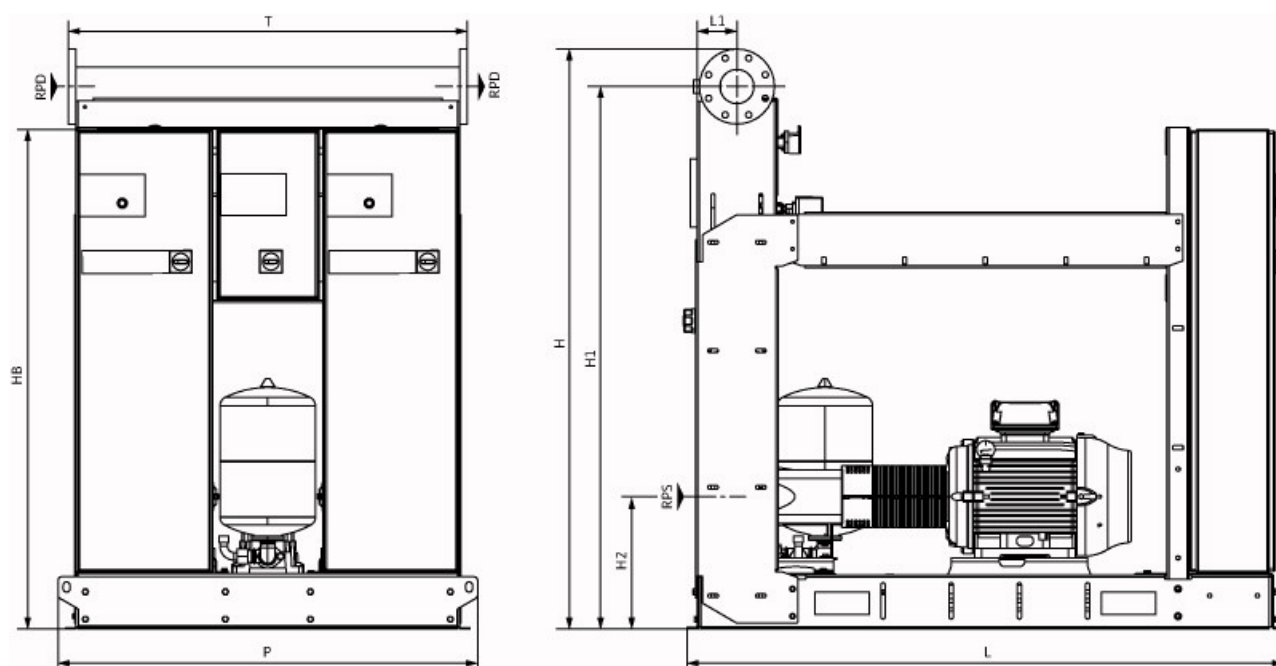
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Standard

Suction side DN 125, PN 10/PN 16

Discharge side DN 150, PN 10/PN 16

Dimensions mm

Name	Wert	Name	Wert	Name	Wert	Name	Wert
H	2113	RPD	DN 150				
H1	1970	RPS	DN 125				
H2	415	T	1521				
HB	1460						
L	2098						
L1	143						
P	1582						

Wiring diagram

Fire fighting system

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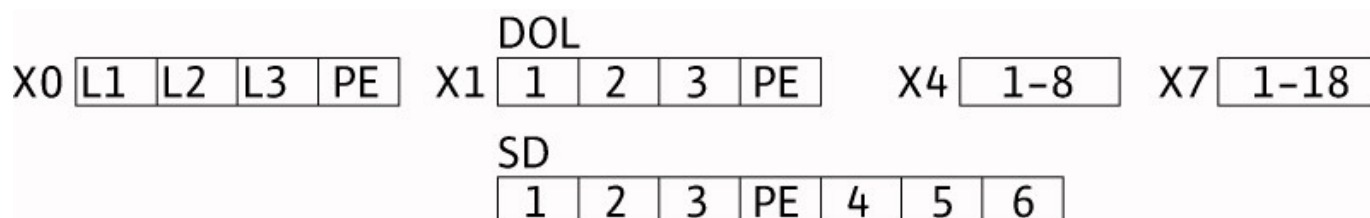
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Wiring diagram

1-phase / 3-phase

3~



X0
X1
X4

Mains connection

Pump connection (DOL or SD)

Digital inputs

1, 2 Freely programmable error message
3, 4 Pump pressure switch option (NO contact)
5, 6 Pressure switch (NO contact)
7, 8 Float switch (NC contact)

X7

Sensor connection

1, 2 Pressure switch (NO contact)
3, 4 Automatic mode switched off
5, 6 Pump is running
7, 8 Pump request
9, 10 Freely programmable error message
11, 12 False start
13, 14 Bus error
15, 16 Collective error
17, 18 Power supply