

## Installation plan



Customer pos. no.: PU-ME42 A/B/C/D  
Purchase order date: 2009-08-10  
Your P/O no.: B09M0170  
Quantity: 4,000

Number: 9971598635 - 044  
Line: 001300  
Date: 2009-08-26  
Page: 65 / 82

### Etanorm RGC1 250-500

Volute casing pump in back pull-out design

Version no.: 9

No drawing is available for  
the product as configured.

*Drawing is not to scale*

*Dimensions in mm*

#### Motor

Motor manufacturer	Siemens
Motor size	without assignment
Motor power	336.00 kW
Speed of rotation	1486 rpm
Position of terminal box	0°/360° (top)

#### Baseplate

Design	Welded steel
Size	14
Material	Steel ST
Leakage drain, baseplate	Drip tray
Rp1	
Foundation bolts	M30x400

#### Connections

Suction nominal size DN1	DN 300 / EN 1092-2
Discharge nominal size DN2	DN 250 / EN 1092-2
Nominal pressure suct.	PN 10
Rated pressure disch.	PN 10

#### Coupling

Coupling manufacturer	Flender
Coupling type	Arpex NAN
Coupling size	212
Spacer	200.0 mm

#### Weight net

Pump	642 kg
Baseplate	630 kg
Coupling	
Coupling guard	7 kg
Motor	1900 kg
Total	3179 kg

#### Connect pipes without stress or strain!

Zulässige Maßabweichung für Achshöhen:  
Maße ohne Toleranzangabe, mittel nach:  
Anschlussmaße für Pumpen:  
Maße ohne Toleranzangabe - Schweißteile:  
Maße ohne Toleranzangabe - Graugussteile:

DIN 747  
ISO 2768-m  
EN735  
ISO 13920-B  
ISO 8062-CT9

**For auxiliary connections  
see separate drawing.**

## Connection plan

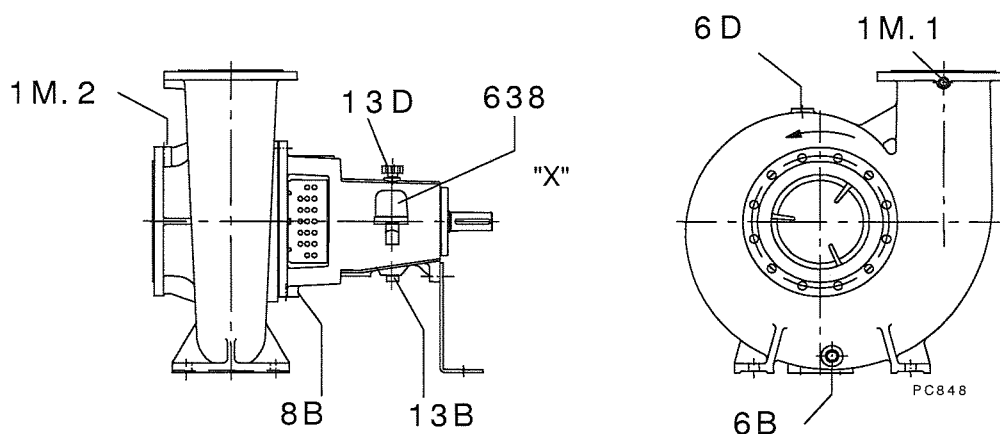


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### Connections

13B Oil drain	G 1/2	Drilled and plugged.
638 Constant level oiler	Rp 1/4	Supplied unassembled with main equipment, to be installed by customer in acc. with operating instructions
8B Leakage drain	G 3/4	Drilled and plugged.
13D Refill / venting	Dia. 20	Closed with venting plug
1M.1 Pressure gauge connection	G 1/2	Drilled and plugged.
1M.2 Pressure gauge connection	G 1/2	Drilled and plugged.
6B Pumped liquid drain	G 3/4	Drilled and plugged.
6D Pumped medium - filling / venting	G 3/4	Drilled and plugged.

## Force and Moment Limits

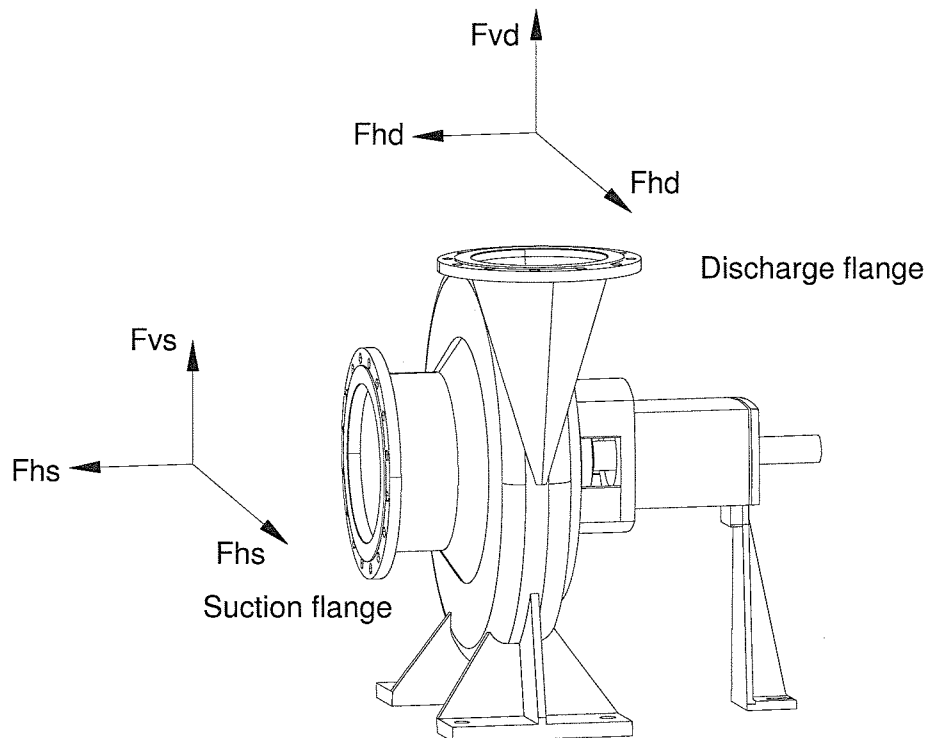


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### Force and Torque Limits

Suction flange		Discharge flange	
Fvs	5000 N	Fvd	5000 N
Fhs	7000 N	Fhd	7000 N
Mts	6200 Nm	Mtd	3800 Nm
Valid for temperature	38.0 °C		

The allowable resulting forces are to be determined by

$$\left[ \frac{\sum |F_V|}{F_{Vmax}} \right]^2 + \left[ \frac{\sum |F_H|}{F_{Hmax}} \right]^2 + \left[ \frac{\sum |M_t|}{M_{tmax}} \right]^2 \leq 1$$

using the sums of the absolute values of the respective loads acting on the nozzles.

The given forces and torques are the sums of the absolute values of the forces acting on the respective flange.

The sum of the forces is calculated regardless of their direction.

The given force and torque limits are only applicable for static pipe loads.

The values apply for installation on completely grouted baseplates bolted to a rigid, level foundation