User's Manual for

ROTAN 2013

Pump Selection Program

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Prezoure Prezoure	and the second s	0 bar Power Consump	tion 453 kW Elfic	ienky 37	r	Pressure side
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Main bearing	2 .	and the second se			Base Plate	
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Shaft Seal 2					Spacer Coupling	Exit
	and the second second					
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		Class Society	DESMI Test			
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				OK		

3. Release 2013.05.01

Disclaimer

DESMI will not be responsible for any damages caused by the use or misuse of this program.

This program is distributed "as is" with no warranty expressed or implied.

DESMI will not be responsible for any losses incurred, either directly or indirectly, by the use of this program. Use this program entirely at your own risk.

DESMI reserves the right to make modifications at any time.

Prices and specifications are subject to change without notice.

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2 Getting Started

2.1 Installing the program

The selection program is available for download from the following address:

http://www.desmi.com/selection-programs.aspx

Please click:

"ROTAN SETUP20130311.exe (new updated version - expiry date:xxxxx"

Or:

"If you experience issues running the selection programs in Windows 7 or Vista, please click here."

If you have any questions or if you need help please contact us by email at: **desmi@desmi.com**.

3 Using the Program

3.1 The program screen

🕽 Rotan 2012 Pump Selectio	n Program - Versi	on 4.81 (19	.04.2013) - DB: 229 (18.04.2013	0				- • ×
File Option Spare Parts Li	st Window Lic	ense to dat	e: 2013-06-30					
Pump Selection 1								23
Pump Selection 1 Pump data Pump Type	Pump Type 💌	Ī	Configuration Stand				DESMI F Pump Select (C) 2012 - DESM	
Viscosity	0,00	cSt	Pump information					
Capacity	0,00	m³/h	Speed in % of max.	0 %	NPSHr	0,00 mlc		
Pressure	0,0000	bar	Power Consumption	0,00 kW	Efficiency	0 %		
Size		1	Rotor Speed	0,00 m/s	Volume Deviation	0,0 %		
Speed		rpm	Torque	0,0 Nm	Capacity min.	0,00 m³/h		
Temperature	0,00	*C	Torque of max.	0 %	Capacity max.	0,00 m³/h		
Material Codes			-					
Main parts							F - Flanges	
Lubrication/Bearings	·						R -Single Relief	
Idler bearing							RR - Double Rel Base Plate	iet Valve
Main bearing	v						Dase Flate D - Heating jack	et - Front Cover
Shaft Seal	v						K - Heating jack	
Mechanical Shaft Seal	Y						T - Special Clea	ences
Shaft Seal 1	T						Bare Shaft	
Shaft Seal 2			6				Spacer Coupling	
Part and price specif	cations							
Item no.	EU CH US I	Description				Quantity	Discount %	Price EUR
Combinations	Gear and N	fotor	VFD Option	Liquid Lis	Move to	Word	Duty Point	
Pipe Friction	Dimensional :	Sketch	Select Coupling	Curves	Reset Sel	ections	Terms_Conditions	

3.2 Menu selection

This section describes the different selection options. At the top of the selection program window, you can choose between the different kinds of menu selections.

ile Option Spare P	Parts List Window License to dat	e: 2013-06-30
Fump Selection 1		
Pump Selection	on 1	
A REAL PROPERTY AND A REAL PROPERTY OF A REAL PROPE		
in in		Configuration Standard
Pump data	Pump Type 💌	Configuration Standard
Pump data Pump Type Viscosity		

Illustration 2

3.2.1 File

- New Calc Start a new pump selection window. A total of 10 different selections are possible at the same time.
- Exit

Select this to end the session and leave the selection program. (selections are not saved)

3.2.2 Options

3.2.2.1 Unit

The Rotan Selection program gives you the flexibility to choose from many difference units of measurement. The Options menu lets you select the unit type and size. When you select a specific type and size the program will store the selection and use the selection until another selection has been made – additionally when you stop and start the selection program again.

3 Rotan 2012 Pump Selec	tion Program - Version	4.81 (19.04.2013) - DB: 229 (18.04.2013)					
File Option Stare Parts	s List Window Licen	se to date: 2013-06-30					
Use MS Office		Viscosity Capacity Pressure Lengths Lengths (Diameters and Dimension Sketch)	* * * * *	 Image: A start of the start of	cSt - Centistoke m ² /s - Square meter pr ft ² /s - Square foot per "E - Degrees engler R1 - Seconds redwood	secound	
Pump Type Viscosity Capacity	Pump Type 0,00	0.00 Weight 0.00 Power			R2 - Seconds redwood 2 SSU - Second saybolt universal		
Pressure Size Speed	0,000	Torque NPSH Temperature Langauge	, , ,	v	fficiency olume Deviation apacity min.	0 % 0,0 % 0,00 m³/h	
Temperature Material Codes	0,00	Currency Currency Update	•	Ca	apacity max.	0,00 m³/h	
Main parts	×			1		I	

Illustration 3

The following unit types are available:

- Viscosity
- Capacity
- Pressure
- Lengths
- Length (Diameter and Dimension Sketch)
- Weight
- Power
- Torque
- NPSH
- Temperature
- Language
- Currency
- Currency Update

3.2.2.2 Currency update

S Rotan 2012 Pump Selection Program - Version	n 4.81 (19.04.2013) - DB: 229 (18.04.2013)	
File Option Spare Parts List Window Licer	nse to date: 2013-06-30	
Es Unit >	Viscosity	· ·
UseMS Office Application	Capacity	+
Rump selection I	Pressure	
Pump data	Lengths	- F
Pump Type Pump Type	Lengths (Diameters and Dimension Sketch)	- F
Viscosity 0,00	Weight	+
Tiscosity	Power	NPSH
	Torque	Effici
	NPSH	- F
Size	Temperature	→ Volur
Speed C	Langauge	, Capa
Temperature 0,00	Currency	, Capa
Material Codes	Currency Update	
Main parts	43	

Illustration 4

When you select currency update you are able to update the currency values.

Currency	
Currency	
EUR	1,00000
	7,46040
NEW NEW	1,00000
NEW	1,00000 1,00000
	0000
MY PRICE	1,00000
	1,00000

Illustration 5

There are different values in the standard program, but you can change and update the values. The ones labeled NEW, have no values. Furthermore, you have the possibility to either add additional currencies or set up custom discount rates.

3.2.2.3 Use Word application

The selection program is able to use the Microsoft Word application. The selection program moves all the information from your selection to a Word template by automatically generating a new document with all the information, curves and dimensional sketches.

3.2.3 Spare Parts List

File Option Spare Pa	rts List Vindow License to dat	e: 2013-06-30		
Pump Selection	12			
Pump data		Configuration Standard		
Pump Type	Pump Type 👻	🔽 European 🛛 🗖 US		
Viscosity	0,00 cSt	Pump information		
Capacity	0,00 m³/h	Speed in % of max.	0 % NPSHr	0,00 mla
Pressure	0,0000 bar	Power Consumption	0,00 kW Efficiency	0 %
Size	-	Rotor Speed	0,00 m/s Volume Deviation	0,0 %
Speed	rpm	Torque	0,0 Nm Capacity min.	0,00 m³,
				the second second second

Illustration 6

When you select Spare Parts List you will arrive into a new window with different possibilities.

Spare Parts		1			
ltem no.		(7578 Cuded sparepart structure		
Item description:					
Item no. 7578	EU CH US	Pos No.	Description EDGGEF-4U33S ANSI150RF C	Quantity	Price EUR 5.638,00
			Move Spare Part list to Word	Close wind	ww

Illustration 7

Type in an item number and press [Enter]

Then you can see the description and price. If you move the cursor to the description line and click on it, all the information will be moved into the Part and price specifications for the selection.

Spare Parts List for a specific pump.

ltem no.				(7578 Included sparepart structure		
tem description:					he		
ltem no.	EU	CH	US	Pos No.	Description	Quantity F	rice EUR
7578	1				ED66EF-4U33S ANSI150RF C		5.638,00
1066-001GH430	1			A.	CASING ED66E ANSI 150 RF	1,00	0,00
1066-002BQ430				AA	FRONT COVER ED66	1,00	0,00
1066-005BA200	A	Α	В	AB	AB IDLER / GG25	1,00	159,00
1066-021CC017	A	В	В	AC	ACIDLER PIN"U" / 16MNCR5	1,00	47,00
0007-030AA822	A	В	В	AD	AD IDLER BUSH"U3/U5"/CARBON	1,00	63,00
1844458	A	В	Е	B.	B 0-RING Ø120,32X2,62/FPM	1,00	15,00
1066-003RA050				BA	REAR COVER ED66 ST60-2	1,00	0,00
1066-004DD225	В	1	Е	BU	ROTOR Ø126K71 ED66	1,00	694,00
1066-020FF129	A	В	Е	BV	SHAFT SISI 329	1,00	608,00
0031-115AA904	A	В	В	C.	C GASKET/SENTINEL 329	1,00	4,00
700040	A	В	В	CB	SUNK KEY A 10×8×25 ST.60.11	1,00	1,80
0067-180AA025	В	В	Е	CQ	COUPLING CASING ED51/66	1,00	442,00
704436	С	В	В	D.	SCREW M8K20/DIN933-AISI316	4,00	10,00
704436	С	В	В	E.	SCREW M8X20/DIN933-AISI316	4,00	10,00
703335	C	В	E	F.	CH-SCREW M8X30 SIS2343.	4,00	5,60
2348578	A	В	В	G.	PLUG 1/4"RC/DIN906-AISI316	2,00	22,00
703225	D	В	В	H.	DBI-DUT NO. 87	2,00	3,80
709355	С	В	В	J.	SCREW Ø1,85 X 4,76 A2	2,00	0,80
701103	В	Ε	Е	KN	EYE BOLT M8 ST.	1,00	5,10
3112-000BA082	В	Ε	Е	MB	PLUG 1/4"RC/DIN906-12.9	2,00	1,60
709075				MD	SLOTTED PIN 5×20 KERPIN S2 A4	4,00	0.00
707607				ME	ALLEN SCREW M 8X 22 ST8.8 FZB	4,00	0,00
703723	С	В	Е	MG	CH-SCREW M 8X35 A4 DIN912	4,00	8,80
701082	В	Е	Е	MH	PLUG M. INDV. SEKSK. 1/8"RG	1,00	0,70
1066-064AA116	В	В	Е	MJ	CAN AISI 316	1,00	1.294,00
707624	A	В	Е	NA	0-RING Ø 8,30X2,40 VITON	2,00	3,20
1849417	В	В	Е	NM	POINTED SCREW M8X10 AISI316	4,00	4,00
3345-072SA849	A	В	В	NN	0-RING Ø114.5X3/FPM	1.00	11,00
2448459	A	В	Е	NP	0-RING 126,67X2,62 VITON	1,00	16,00
					Move Spare Part list to Word	Close windo	

Illustration 8

It is also possible to find a specific Spare Parts List in this window.

Type in an item number and select "Included spare part structure" press [Enter] This will return a complete spare part list. This can then be moved into word by selecting "Move Spare Part list to Word"

Item description.

Spare Parts			
tem no.		│ Included sparepart structure	
tem descriptio	HD101EDKLT-1U	228	
ltem no.	EU CHUS Po		Quantity Price EUR
6806	G G D	HD101EDKLT-1U228 CJ/825 USA	3.493,0
8718	DG	HD101EDKLT-1U228 CJ/825	4.013,0
9093	6	HD101EDKLT-1U22BS H.PL. CJ/825	3.917,0
CFG113897		HD101EDKLT-1U22B CJ/825 USA	0,0
CFG114057		HD101EDKLT-1U22B CJ/825 USA	0,0
CFG116879		HD101EDKLT-1U22B CJ/825 USA	0,0

Illustration 9

There is also the possibility to search for an Item by the item discription. Example: Type in HD101EDKLT1U22B press [Enter] Then all the existing item numbers with this description will be shown.

In the above example we search by an exact description, but it is also a possible to search for a part of a description.

Searching by part of a description

ltem no. Item descriptio	on GP4	IE*M-1U	J2B2	Included sparepart structure		
ltem no.	EU	сні ша	Pos No.	Description	Quantity	Price EUR
4844	D	DF		GP41EM-1U2B2 DINX		0,0
5695	В			GP41ERM-1U2B2 MG12		784,0
5801	G			GP41EM-1U2B2 V.MONT.DINRA		823,0
5822	D	D		GP41EFM-1U2B2 DIN [#]		0,0
6575	G	G F		GP41EM-1U2B2 NPT DINX		490,0
6936				GP41EFM-1U2B2 A.I.F 150RF DINK		0,0
8015	G	G		GP41EFM-1U2B2 ANSI150RF DINK		589,0
8140	G			GP41EFM-1U2B2 04+20/SS DIN¤		1.275,0
870490				GP41EM-1U2B2 CUTAWAY		0,0
CFG123732				GP41EM-1U2B2 NPT DINKA		0,0
CFG123948				GP41EM-1U2B2 NPT DINKA		0,0
CFG124744				GP41EM-1U2B2 NPT DINRA		0,0

Illustration 10

Example 1:

We are searching an Item number forGP41EM-1U2B2 pump with or without flanges.

By using a wildcard "*" in the description (GP41E*M-1U2B2), the program will search any characters in its' place. Characters before and after will be exact as written

Type in GP41E*M-1U2B2 and press [Enter] All existing matching descriptions will be listed, including Item numbers.

CFG numbers are only for internal use. These are not available for order.

Searching by part of a description

ltem no. Item description	HD	81EM-1	U382*	Included sparepart structure		
Item no.	EU	ен и	Pos No.	Description	Quantity	Price EUR
2885				HD81EM-1U3B2 A		2.981,0
4918	D	D		HD81EM-1U3B2 DIN [×]		0,0
5991	D			HD81EM-1U3B2 CL150RF DINK		2.519,0
60030				HD81EM-1U3B2S VERT. DIN¤ USA		0,0
6127	G	GE		HD81EM-1U3B2 DIN¤ USA		0,0
6449	1			HD81EM-1U3B2S CL250FF USA DINR		2.495,0
CFG114908				HD81EM-1U3B2 DIN USA RA		0,0
CFG117224				HD81EM-1U3B2 DIN USA RA		0,0
CFG118028				HD81EM-1U3B2 DIN USA RA		0,0
CFG126374				HD81EM-1U3B2 DIN¤ USA		0,0
CFG126375				HD81EM-1U3B2 DINE USA		0,0
CFG127953				HD81EM-1U3B2 DINE USA		0,0
CFG128332				HD81EM-1U3B2 DIN¤ USA		0,0
CFG13429				HD81EM-1U3B2 VER DIN¤ USA		0,0
CFG1397				HD81EM-1U3B2 DIN# USA		0,0

Illustration 11

Example 2:

We are searching an Item number for an HD81EM-1U33B2 with ANSI CL 150 flanges.

Type in: HD81EM-1U33B2*

By using a wildcard "*" in the description (HD81EM-1U33B2*), the program will search any characters after this place. Characters before will be exact as written.

Type in HD81EM-1U33B2* press [Enter]

All existing matching descriptions will be listed, including Item numbers.

CFG numbers are only for internal use. These are not available for order.

3.2.4 Window

File Option Spare Parts List	Window License to date	: 2013-06- <mark>3</mark> 0			
B · Pump Selection 3 Pump Selection 3 Pump data	 Pump Selection 1 2 Pump Selection 2 3 Pump Selection 3 4 Pump Selection 4 	nfiguration Stand	ard		
Ритр Туре	5 Pump Selection 5	European 🦵 U	S		
Viscosity	0,00 cSt	Pump information			
Capacity	0,00 m³/h	Speed in % of max.	0 %	NPSHr	0,00 mi
Pressure	0,0000 bar	Power Consumption	0,00 kW	Efficiency	0 %
Size	-	Rotor Speed	0,00 m/s	Volume Deviation	0,0 %
Speed	0 rpm	Torque	0,0 Nm	Capacity min.	0,00 m³

Illustration 12

Here you can choose from all the difference selections currently open. Each pump selection has its own window named by the pump selection title.

4 Pump Selection

4.1 Title and settings with the first selection

🔁 Rotan 2012 Pump 😡	ection Program - Version 4.81 (19	.04.2013) - DB: 229 (18.04.2013)
File Option Spare Pa	rts List Window License to dat	e: 2013-06-30
B Pump Selection 1		
Pump Selection	1	
	9	
Pump data		Configuration Standard
Pump Type	Pump Type 📼	🗹 European 🦳 US
Viscosity	0,00 cSt	Pump information
Capacity	0,00 m³/h	Speed in % of max. 0 % NPSHr

Illustration13

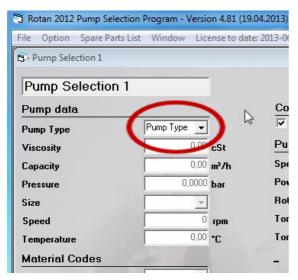
Type the title of the specific pump selection. As standard the program names it "Pump Selection 1". (2, 3, etc...)

This can be renamed by manually writing in the name.

Pump Selection 1						
Pump Selection 1						
Pump data			Configuration Stand	ard		
Ритр Туре	Pump Type 👻		🔽 European 📄 🗌	5		
Viscosity	0,00	cSt	Pump information			
Capacity	0,00	m²/h	Speed in % of max.	0 %	NPSHr	0,00 ml
Pressure	0,0000	bar	Power Consumption	0,00 kW	Efficiency	0 %
Size	¥		Rotor Speed	0,00 m/s	Volume Deviation	0,0 %
Speed	0	rpm	Torque	0,0 Nm	Capacity min.	0,00 m³
Temperature	0,00	•C	Torque of max.	0 %	Capacity max.	0,00 m ³
Material Codes			-			
Main parts	Y	-		- 14 N	2	
Lubrication/Bearings	¥		Configuration Standar	d - Note		X
Idler bearing	-		EU = Standard option			
Main bearing	-		US = This option is only for product th	at will be quoted a	nd sold by DESMI in US I	
Shaft Seal	-					
Mechanical Shaft Seal	*					
Shaft Seal 1	¥					
Shaft Seal 2						1

US option is only for product that will be quoted and sold by DESMI in the US. All others have to be marked "European."

4.2 Setting the pump data



mLc: Metres of liquid column MLc x SG/10,3 = bar

Illustration 15

4.2.1 Select pump type

Type the pump type or select it by simply clicking the drag-point and choose between the different pump types.

4.2.2 Viscosity, capacity and pressure

This paragraph is the most important part of the program. Here you enter the hydraulic data for the pump calculations.

If you want to change the type of pump, see below.

First you have to enter the viscosity of the liquid. As you will see at the bottom of the screen, you are able to enter values in the interval 1 to 175,000 cSt. When you have entered a value press < Enter > to go to the next field, Capacity. Enter the capacity at which you wish to pump and press < Enter > to continue. Now enter pressure. At the bottom of the screen you will see in which range you are able to enter - from 0 to 10 bar or from 0 to 16 bar dependent on the size of the pump.

4.2.3 Pump size

When you have typed the wanted Viscosity, Capacity and Pressure, the program selects a size within the selected pump type range. If you want to change it to a another size, just click the arrow button on the keyboard or click the drag-point, and select between the different pump sizes.

4.2.4 Speed

If you change the speed, the selection program will maintain the selected pump size and change the capacity. When you select a prime mover, the speed will be changed to fit the capacity of the selected pump.

4.2.5 Temperature

Here you type the temperature of the pump media.

4.3 Material Codes

Main parts	-	Code	Casing/Covers	Rotor/Idler	Shaft	🔽 F - Flanges
Lubrication/Bearings	v	1 - Cast Iron 3 - Stainless Steel	GG-25 GX5 CrNiMo 19-11-2	GG-25	St.60.2 X3CrNiMoN27-5-2	R -Single Relief Valve
Idler bearing	Ŧ	4 - Cast Steel	GS-52.3	GG-25	St.60.2	RR - Double Relief Valve
Main bearing	w.					Base Plate
Shaft Seal	*					D - Heating jacket - Front Cove
Mechanical Shaft Seal	*	2				T - Special Clearences
Shaft Seal 1	*					Bare Shaft
Shaft Seal 2	Ψ.					Spacer Coupling

Illustration 16

Here you select the specific material combinations for the selected pump type and pump size. It is only possible to choose between combinations that have been approved by the DESMI ROTAN department.

In each selection you get a specific description of the different selection options at the right side of the window, see above. You can type the pump code or select by clicking the dropdown menu, and choose between the different pump types. It is also possible to make your choice by simply clicking the specific description.

4.3.1 Main parts

Here you select materials for the main parts. Normally the main part is connected to the selected pump type, but with the ED pumps it is possible to select different kinds of material for the main parts.

4.3.2 Lubrication/Bearings

Here you select the kind of Lubrication wanted for the pump selection.

4.3.3 Idler bearing

Here you select materials for the idler bearing.

4.3.4 Main bearing

Here you select materials for the main bearing.

4.3.5 Shaft seals, shaft seal 1 and shaft seal 2

Here you select shaft seals. If you choose mechanical seals, you will be able to select the specific seals in the next one or two selections.

4.3.6 After material selections

When you have finished the material selection, the selection program normally finds a specific pump that corresponds to the selected parameters, and it will insert the part and price specifications as shown below.

Pårt and price specifi Item no. 2577			Description HD81EF-1U11			Quant 1	ity Discount %	Price EUR 1.639,00
Total price			1					1.639,00
Combinations	G	ear and	d Motor	VFD Option	Liquid List	Move to Word	Duty Point	
Pipe Friction	Dim	ension.	al Sketch	Select Coupling	Curves	Reset Selections	Terms Conditions	

4.3.6.1 Discount

In the above illustration you will find a column with the line quantity and discount. If you click on one of these specific lines, you will be able to change the quantity and discount value in % as shown below.

Material Codes	the transferred	HD8155 11111)			
Main parts	1 - Cast Iron 👻	Item Price	e, Quantity and Di	scount	🗹 F - Flanges	
Lubrication/Bearings	U V				🔲 R -Single Relief	Valve
Idler bearing	1 -	Part original p	rice	1639.00	🔲 RR - Double Re	lief Valve
and a second		Discount %		5,00	🔲 Base Plate	
Main bearing		New Part price	e	1635000	D - Heating jack	ket - Front Cover
Shaft Seal	B					ket - Rear Cover
Mechanical Shaft Seal	-	New Quantity		4,00	T - Special Clea	
Shaft Seal 1	-	Delete Spare	Part Line Reset Pri	ce Ce	Bare Shaft	
Shaft Seal 2		Cano	el Ok		Spacer Coupling	1
Part and price specifi	cations					
Part and price specifi Item no.		2230	1-12	Quantity	Discount %	Price EUR
	EU CH US Description	В	- Marca - P	Quantity 1,00		Price EUR 1.639,00
ltem no. 2577	EU CH US Description	B				
Item no.	EU CH US Description	B				1.639,00
Item no. 2577	EU CH US Description	B VFD Option	Liquid List			1.639,00

4.4 Other selections

There is a couple of other selections you can make in order to configure the pump. Click those that should be selected. Most of them will show you a detailed description of the selection as shown below. Make your selection and the selection program will look for the specific combination and display it in Part and price specifications.

🕤 Rotan 2012 Pump Selectio	n Program - Version 4.81 ((19.04.2013) - DB: 229 (18.04.2013))				×
File Option Spare Parts Li	st Window License to a	date: 2013-06-30					
B Pump Selection 1							
Pump Selection 1 Pump data Pump Type Viscosity Capacity	HD v 50.00 cSt 20.01 m ² /h 5.0000 bar	Configuration Stand		NPSHr Efficiency	3,47 mlc 59 ≵	Pump Selec (C) 2012 · DESI	Rotan 2012 tion Program MI A/S
Pressure	81 v	Rotor Speed	6,52 m/s	Volume Deviation	2,2 %		
Size Speed	808 rpm	Torque	55,3 Nm	Capacity min.	19,56 m³/	h	
Temperature	20,00 °C	Torque of max.	15 %	Capacity max.	20,46 m³/		
Material Codes		HD81EF-1U11	2				
Main parts	1 - Cast Iron 💌					F - Flanges	
Lubrication/Bearings	U	R			X	and the second s	
Idler bearing Main bearing Shaft Seal Mechanical Shaft Seal Shaft Seal 1 Shaft Seal 2	1 V 1 V 8 V 5 V	Safety valve, single acting (one direc to protect the pump and the complete against excess pressure.	tion), used 9 installation		n	RR - Double Rel Base Plate D - Heating jack K - Heating jack T - Special Clea Bare Shaft Spacer Coupling	ket - Front Cover ket - Rear Cover rences
Part and price specifi	EU CH US Descript		A COLOR		Quantity	Discount %	Price EUR
2577 8311 Total price	D HD81EF-1				4,00 1,00	5,00 0,00	6.228,20 322,00 6.550,20
Combinations	Gear and Motor	VFD Option	Liquid List	Move to V		Duty Point	
Pipe Friction	Dimensional Sketch	Select Coupling	Curves	Reset Sele	ctions	Terms_Conditions	

Illustration 19

4.4.1 RR - Double relief valve

The selection program will show you all the parts needed for the double relief valve that fit the pressure values you specified.

ubrication/Bearings dier bearing Aain bearing Shaft Seal Mechanical Shaft Seal Shaft Seal 1	U 1 B			 B. Single Relief RR - Double Re Base Plate D - Heating jacl K - Heating jacl T - Special Cleat Bare Shaft 	lief Valve ket - Front Cove ket - Rear Cove arences
Shaft Seal 2 Part and price specifi	cations			Spacer Coupling	9
Shaft Seal 2 Part and price specifi Item no.		Description	Quantity	Discount %	Price EUR
Part and price specifi		Description HD91EF-1U11B	Quantity 1,00		
Part and price specifi Item no.	EU			Discount %	Price EUR
Part and price specifi Item no. 2577 8311 8311	EU	HD81EF-1U11B	1,00	Discount %	Price EUR 1.639,00
Part and price specifi Item no. 2577 8311	EU	HD81EF-1U11B VALVE ED1/HD/GP 81/101 1-16BAR	1,00	Discount % 0,00 0,00	Price EUR 1.639,00 322,00

4.5 Function buttons

When you have selected a specific pump combination, some of the function buttons will be highlighted and function enabled.

	2				
Combinations	Gear and Motor	VFD Option	Liquid List	Move to Word	Duty Point
Pipe Friction	Dimensional Sketch	Select Coupling	Curves	Reset Selections	Terms_Conditions

Illustration 21

4.5.1 Combination button

The combinations button lets you choose between different combinations for the selected pump type, size and material combinations. To select, just click the Item number. The selected line is the one that corresponds with the selection at the moment. It will change the other possible selections and change the specific pump combination in the

It will change the other possible selections and change the specific pump combination in the Parts and price specifications.

Material Codes	200	HD81EF-1	U11B			
Main parts	1 - Cast Iron 📼	Item no. (1) Descripti	on	Price EUR 🔺	🖂 F - Flanges	
Lubrication/Bearings		2577 HD81E-1U		1.639,00	🔲 R -Single Relie	f Valve
1		2577 HD81E-1U		1.639,00	RR - Double Re	elief Valve
Idler bearing		2577 HD81E-1U		1.639,00	Base Plate	
Main bearing	1 -	HD81EFT-		1.869,00	_	
Shaft Seal		HD81EFT-		1.869,00	D - Heating jac	ket - Front Cover
		HD81EFT-	1U11B (RR)	1.869,00	🗌 K - Heating jac	ket - Rear Cover
Mechanical Shaft Seal	v	HD81EFK-		2.127,00	T - Special Cle	arences
Shaft Seal 1	-		10118 (RR)	2.127,00	Bare Shaft	
Shart Sear 1						
Shaft Seal 2	<u> </u>	•		•	Spacer Couplin	g
Part and price specif			1 -			
Hem no.	EU CH US Des			Quantity		Price EUR
2577		31EF-1U11B		1,00		1.639,00
8311		VE ED1/HD/GP 81/101 1-16BAR		1,00	0,00	322,00
8311 3589		VE ED1/HD/GP 81/101 1-16BAR YPASS CONS.HD81/101		1,00		322,00
Total price		TPASS CONS.HD61/101		1,00	0,00	2.959.00
					1 1	2.333,00
Combinations	Gear and Moto	or VFD Option	Liquid List	Move to Word	Duty Point	

4.5.2 Pipe friction

It is possible to calculate the friction losses in a <u>simple piping systems</u>, but be aware that it might not be working properly in case of turbulent water flows.

When you click the Pipe Friction button a new window as shown below will open.

Pipefriction data	1			
	Suction side		Pressure side	
Pipe Diameter	0	mm	0	mп
Pipe Length	0,0	m	0,0	m
Height	0,00	m	0,00	m
No of fittings	0		0	
Specific Gravity	1,00			
Vapour pressure	0,00	bar		
Viscosity	50,00	cSt		
NPSHa	0.00	mic	Use	
Pressure	0,00	bar	Exit	

Illustration 23

Enter the data for your piping system. If you want to represent liquids running to/from a place above the pump, just set the height to a negative number.

When you have finished your calculation, you have four possibilities:

- Use The calculated data, which means the calculated pressure, is transferred to the main calculation.
- Exit Leave the pipe calculations.

If SG is different from 1: Do not forget to tip it in.

Please note, there many other factures effecting a pipe system and these figures should only be used as indications.

4.5.3 Gear and Motor button

When you click the Gear and Motor button, you can select a drive unit for the selected pump.

Select Gear and Motor							- • ×
Pump information							
Pump I	HD81EF-1U11B		Power	Flang	ed		
Power Consumption	1,90 kW	(▼ 5) Hz				
Rotor Speed	350 rpm		□ 60 Hz		A		
Motor Data			Gear Data				
Motor	4A 132 S-8 2,2/2,64KW		Gear				
Manufacturer	Man. Std.		Manufacturer	and the second s			
Power 50Hz	2,20 kW		Gear Ratios			0,00	
Poles	8		Input Speed			0 rpm	
Motor Speed 50Hz	710 rpm		Output Speed	-		0 rpm	
Use Gearmotor	Use Gear and Motor	Use only Motor		OK	1	Cancel	
Select Motor						1 pro-	
	50Hz (kW) Motor	Туре		acturer	Size Pole		Price EUR 🔺
	2,20 4A 112 M-6 IE2 2,2/2,64KW	B5	Man. St	td.	112	6 940	383,00
	2,20 4A 100 L1-4 IE2 2,2/2,64KW	B5	Man. SI	td.	100	4 1420	266,00
	2,20 4A 90 L-2 2,2/2,64KW 2,20 WE1R 100 L4 IE2	85 85	Man. St VEM	td.a	90	2 2840 4 1420	198.00 622.00
Select Gear	1 2.201 WETH 100 E4 IE2	185	IVEM		1 1001	41 14201	622.00
	S-Factor Gear		Manufacturer	Input Speed	Output Speed	Gear Ratios	Price EUR
	6,27 SK51E-IEC 132 (B3)		NORD	710	345	2,06	1.280,00
	4,14 SK41E-IEC 132 (B3) 6,33 SK51E-IEC 132 (B3)		NORD NORD	710	390 390		1.186,00
	2,88 SK31E-IEC 132 (B3)		NORD	710	403		860,00
	4.15 SK41E-IEC 132 (B3)		NORD	710	436		1.186.00

Illustration 24

First you have to select IEC or NEMA. Please note that NEMA option is only for product that will be quoted and sold by DESMI in US.

You can choose between three different kinds of prime mover types as shown above by clicking on the button for the specific use:

- Use Gear Motor
- Use Gear and Motor
- Use only Motor

If you choose to use gear and motor you will be able to use a different brand of motor and gear. The selection program knows what kind of combination you can use; this will prevent you from selecting parts that do not match.

If you want 60Hz instead of 50Hz, you can select another drive unit and the list of gear motors and motors will change to the new type.

When you want to make the selection, click the wanted drive unit, and the specifications for the drive unit will be shown at the top of the window.

When you have selected one, the OK button will be enabled, click it to make your final drive unit selection, and move the information to the main window. If you click Cancel you will leave the Gear and Motor selection without selecting any prime mover for the pump. If you have selected a prime mover part, this will have an effect on the dimension sketch.

4.5.4 Dimension Sketch button

When you click the Dimension Sketch button you will get information on pump, base plate, and prime mover dimensions, and the selection will open the below window.

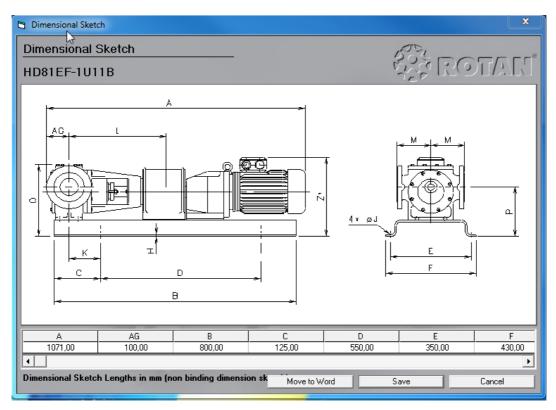


Illustration 25

Here you will see all dimensions for the selected pump configuration. You also have the possibility to move the dimension sketch and the specific dimensions to a new Word document, or to save the dimension sketch as a bmp-file.

4.5.4.1 Duty Point button

2			\frown	
VFD Option	Liquid List	Move to Word	Duty Point	
Select Coupling	Curves	Reset Selections	Terms_Conditions	

Illustration 26

If a pump has to operate at different duty points – for example different viscosity, pressure etc. Then there is a possibility to list up the different duty points in the selection.

🖱 Rotan 2012 Pump Selection Program - Version 4.81 (19.04.2013) - DB: 229 (18.04.2013)						
File Option Spare Parts List Window License to date: 2013-06-30						
Pump Selection 1						×
					DESM	Rotan 2012
Pump Selection 1						ction Program
Pump data		Configuration Stan	idard		(C) 2012 - DE	
Ритр Туре	CD 💌	Duty Point				
Viscosity	5000,00 cSt	Viscosity	0.00	cSt 0,0	10 cSt 5	000,00 cSt
Capacity	19,43 m³/h					19,43 m³/h
Pressure	3,0000 bar	Capacity			10 m²/h	
Size	101 👻	Capacity min.			¹⁰ m²/h	19,11 m²/h
Speed	371 rpm	Capacity max.			¹⁰ m²/h	19,74 m²/h
Temperature	20,00 °C	Pressure	0,0000			3,0000 bar
Material Codes		Speed		pm	⁰ rpm	371 rpm
Main parts	3 - Stainless (-	Speed in % of max.			0 %	61 %
Lubrication/Bearings		Temperature			¹⁰ *C	20,00 °C
Idler bearing	3 -	Power Consumption	0,00	0,0 kW	¹⁰ kW	6.05 kW
	•	Rotor Speed	0,00	m/s 0,0	¹⁰ m/s	^{3,89} m/s
Main bearing Shaft Seal	2 •	NPSHr	0,00) mic 0,0	¹⁰ mic	4,82 mlc er
	2	Torque	0,0	Nm 0	.0 Nm	155,8 Nm अ
Mechanical Shaft Seal		Torque of max.	0	2	⁰ %	43 %
Shaft Seal 1	KB (o-ring) 💌	Efficiency	0	%	0 %	27 %
Shaft Seal 2	<u> </u>	Volume Deviation			0 %	2 %
Part and price specifi	cations	Close window Clear D	uty Point Saved Duty Point	Saved Duty Poin	t Save Duty	Point
Item no.	EU CH US Descript					
4072 3314-050HA2MC	E G CD101EFI	4-3U332 0 KB DESMI SEAL			.00 0.00	12.577,00 466,00
NORD Gearmotor		MH/4 IE2 B3 7,50kW 371 rpm			0.00	1.928,00
RC0306		125 (45,00/32mm)		1	,00 0,00	354,00
RA20566	E BASEPLA	TE 300G CD101 B125 SK42, SK42	-132MH/4 IE2	1	,00 0,00	1.052,00
Total price 16.377,00						
Combinations	Gear and Motor	VFD Option	Liquid List	Move to Word	Duty Point	
Pipe Friction	Dimensional Sketch	Select Coupling	Curves	Reset Selections	Terms_Condition	;

Make a normal selection

Illustration 27

Press button "Duty Point" and a new window will pop up. In the new window press "Save Duty Point" and press "Close window"

Now we are coming back to the front screen, where the new pump data has to be typed in. Please note, if there has been selected a drive unit (gear, motor etc.) then this has to be selected again.

File Option Spare Parts List Window License to date: 2013-06-30 DESMIR Dotan 20 Pump Selection 1 Pump Selection 1 Pump Selection 1 Pump Jacka DESMIR Dotan 20 Pump Selection Program (C) 2012-0ESMI A/S Pump Jacka Pump Jacka Configuration Standard (C) 2012-0ESMI A/S Pump Selection Program (C) 2012-0ESMI A/S Pump Selection Program (C) 2012-0ESMI A/S Pump Selection Program (C) 2012-0ESMI A/S Pump Information Select Information Select Information Pump Information Pressure Advices 15, Pump Causes Pump Information Pressure Pump Causes Pump Selection Program (C) 2012-0ESMI A/S Main bearing Select Information Pressure Short Select Information Pressure Pressure P	Rotan 2012 Pump Selectio	n Program - Version 4.82 (1	8.05.2013) - DB: 231 (14.05.201	3)				×
Pump Selection 1 DESMI Rotan 20 Pump data Pump fale Pump fale Configuration Standard Viscosity 50,00 c5t Capacity 100 mm full Pressure 40,000 bar Size 101 v Speed 371 mm Temperature 145,000 rcf. Waterial Codes Tale Viscosity 158,200 rcf. Viscosity 100 rcf. Speed 371 mm Temperature 145,000 rcf. Waterial Codes Tale Viscosity 119,22 m/h Viscosity 119,22 m/h Viscosity 145,000 rcf. Viscosity 100 rcf. Viscosity 145,000 rcf. Viscosity 145,000 rcf. Viscosity 100 rcf. Viscosity 100 rcf. Viscosity 100 rcf. </th <th>File Option Spare Parts Li</th> <th>st Window License to da</th> <th>te: 2013-06-30</th> <th></th> <th></th> <th></th> <th></th> <th></th>	File Option Spare Parts Li	st Window License to da	te: 2013-06-30					
Pump Gata Pump Gata Configuration Standard (2012-DESMLAS) Pump Selection Program (2012-DESMLAS) Pump Selection Program (2012-DESMLAS) Piceosity 5000 c5t Select Information 5 Select Information 5 Select Information 5 Select Information 5 Select Information 5 Select Information 5 Pump Information 5 Select Information 5 Pump Information 7 Pump Information	Pump Selection 1							83
Pump data Pump data Pump information Standard (2012-DESMI A/S								
Pump data Configuration Standard (C) 2012-DESMLAS Pump Type CD Viceuropan US Viscosity 65000 cst Pump Information Copacity 1550 mic 55000 cst Speed 371 mm Select Information 65 % Speed 371 mm F - Flanges 1531 m²/h Material Codes Pump Information 1531 m²/h 1531 m²/h Main parts 3 - Sobriest Part and part is Some Parts List Base Plate Main baring 3 - V Pump Information F - Flanges Shaft Seal M - V Vice and part information F - Flanges Main baring 3 - V Vice torumation F - Flanges Shaft Seal M - V Vice and part information F - Flanges Main baring 3 - V Vice and part information F - Flanges Main baring 3 - V Vice and part information F - Flanges Main baring 3 - V Vice and part information F - Flanges Main baring 3 - V Vice and part information F - Flanges Main	Pump Selection 1							
Pump Type C0 V European US Viscosity 5000 cst. Pump Information Capacity 16000 rst. Select Information Pressue 40000 bar Select Information Size 101 Select Information 65 % Size 101 Viscosity 1550 mic Speed 371 ym Select Information 65 % Material Codes Viscosity Pump Information 1582 m²/h Material Codes Viscosity Pump Information 1582 m²/h Viscositon/Rearings Viscositon Pupp Information 1813 m²/h Viscositon/Rearings Viscositon Pupp Information 1813 m²/h Viscositon/Rearings Viscositon Pupp Information 1813 m²/h Viscositon/Rearing Viscositon Pupp Information 1813 m²/h Lubication/Rearing Select Front Co K- Franges R- Songle Reist Vave Shaft Seal 2 Viscositon Save Plate D Heating Jacket - Front Co Shaft Seal 2 Visto Word Corocid Special Clearences </td <td>Pump data</td> <td></td> <td>Configuration Stan</td> <td>dard</td> <td></td> <td></td> <td></td> <td></td>	Pump data		Configuration Stan	dard				
Year System Solid cst Viscosity 1800 cst Capacity 1800 cst Presure 40000 bar Size 101 v Speed 371 rpm Temperature 1550 rc Material Codes 1550 rc Material Codes Puep Information Main pats 3 Starless v Lubrication/Bearing 3 v Y Puep Constraint Y Press Conditions Y Puep Constraint Y Press Conditions Y Puep Constraint Y Puep Constraint								
Capacity Text Capacity Text Capacity Text Seect Information 155 mlc Size 101 Speed 37" rpm Campacity Text Main parts 3-Starless v Lubrication/Dearings J J Y Text Main parts 3-Starless v Lubrication/Dearings J J Y Text Space Parts Text Main baring 3 Saved Dity Point Part and price specifications Image: EU/CH US Description More Add Pices 100 More Add Pices 100 More Add Pices 100 Main parts Saved Dity Point Machanical Shaft Seal H V Main parts Saved Dity Point Main parts Editional State Main parts Corposition More Add Pices E		l	Pump information					
Labically tools in the function of the second of the secon	-					1.50		
Size 101 • Image: Size Ima	Capacity		Select Information	10. 010				
Jusce 100 110 Speed 371 ym Temperature 145:00 19.13 Mator jatts 9 Pupe Information Main parts 9 Pupe Information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and part information 9 Pice and part information V Price and price special Chastremeters 9 Pice EUI Part and price speciations 100 12 100 Part and price speciation 10 100 12	Pressure	4,0000 bar	Select informati	ons		_		
Speed 3/1 rpm Y Pump Information 1032 m/h Temperature 14550 Y Motor Information 1333 m/h Material Codes Y Price and part information 1333 m/h Lubrication/Bearing 3 Y Price and part information 1333 m/h Main bearing 3 Y Price and part information Y Space Parts List Y Space Parts List Y Base Plate Mechanical Shaft Seal 2 Y Y Base Plate Shaft Seal 2 Y Y Base Plate Shaft Seal 2 Y Base Plate D Part and price specifications Y Ease Shaft Base Shaft May Colored Statk M (1283 250W 371 pm) 100 000 12577 PRE domesence 4 8 100 Pick M 2322 100 000 12577 PRE domesence 4 8 100 Pick M 2322 100 000 12577 PRE domesence 4 8 100 Pick M 2322 100 000 12577 PRE domesence 4 8 100 Pick M 2428 372 100 000 12577 PRE domesence 4 8	Size	101 🔹	Z Tale		tion	6,2 %		
Temperature 145.00 °C ✓ Motor Information Material Codes Piperintion data Main pats 3.5 Starfless v Lubrication/Bearing: ✓ Price and pat information Y Pump cannot bearing ✓ Price and pat information Y Pump cannot bearing ✓ Price and pat information Y Pump cannot bearing ✓ Price and pat information Y Pump curves: Space Parts List Y Base Plate D. Healing incket - Front Cc Shaft Seal 2 ✓ ✓ Y Base Plate D. Healing incket - Front Cc Shaft Seal X Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Y Base Plate D. Healing incket - Front Cc Shaft Seal 1 Sloving Y Starter Starte	Speed	371 rpm				6,92 m³/	h	
Material Codes Price and part information Price and part information/Bearings Price and part information Lubrication/Bearings Price and part information Y men schedular Price and part information Y mon schedular Price and part information </td <td>Temperature</td> <td>145,00 °C</td> <td>1.02</td> <td></td> <td></td> <td>9,13 m³/</td> <td>h</td> <td></td>	Temperature	145,00 °C	1.02			9,13 m³/	h	
Main parts 3: Starlens: V Price and part information V F. Flanges Lubrication/Rearing 0 V V Price and part information R. Single Relief Valve Main bearing 3 V V Price and part information R. Single Relief Valve Shaft Seal 2 V Price Parts List Base Plate D. Heating insket- Front Cc Shaft Seal 2 V Price Valve Cancel T. Special Clearences Shaft Seal 1 K8 (orig) V Ease Shaft Base Shaft Shaft Seal 2 V V Base Shaft Space Coupling Part and price specifications Ease Shaft D000 (1925) 100 (000 125) VDRD Generote 5 3 100 (000 125) 125) VDRD Generote 6 144292 100 (000 145) VDRD Generote 6 1442923 100 (000 145)	Material Codes		- Motor minorimotion					
Ider bearing 3 Y Terms Conditions I R. Single Reliet Valve Ider bearing 3 Y Y Reference Reference Reference Main bearing 3 Y Y Pump curves Reference		3. Stablate (w		mation			F - Flanges	
Landback of the basing Image: Constraint of the basing Image: Constraint of the basing Shaft Seal Image: Constraint of the basing Image: Constraint of the basing Shaft Seal Image: Constraint of the basing Image: Constraint of the basing Shaft Seal Image: Constraint of the basing Image: Constraint of the basing Shaft Seal Image: Constraint of the basing Image: Constraint of the basing Shaft Seal Image: Constraint of the basing Image: Constraint of the basing Shaft Seal 1 K8 foring Image: Constraint of the basing Image: Constraint of the basing Part and price specifications Image: Constraint of the basing Image: Constraint of the basing Price EUI VDPD Geamonds Image: Constraint of the basing Image: Constraint of the basing Image: Constraint of the basing VDPD Commonds Image: Constraint of the basing Image: Constraint of the basing Image: Constraint of the basing VDPD Commonds Image: Constraint of the basing Image: Constraint of the basing Image: Constraint of the basing VDPD Commonds Image: Constraint of the basing VDPD Commonds <td>-</td> <td></td> <td>▼ Terms_Conditions</td> <td></td> <td></td> <td></td> <td>and the second second</td> <td>Valve</td>	-		▼ Terms_Conditions				and the second	Valve
Item no. EU Description Guantity Price EU More barring 3 - <td></td> <td></td> <td>Pump curves</td> <td></td> <td></td> <td></td> <td></td> <td></td>			Pump curves					
Shaft Seal 2 Immediate Constraint D Heating tacket - Front CE Kethanical Shaft Seal M Saved by Print K K K-Heating tacket - Front CE Shaft Seal M Saved by Print Executing tacket - Front CE K K-Heating tacket - Front CE Shaft Seal M Saved by Print Executing tacket - Front CE K K-Heating tacket - Front CE Part and price specifications Bare Shaft Spacer Coupling Price EU Spacer Coupling NoRD Generation CU OPS/76/X10 (St M SAL 100 0.00 122/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00 0.00 122/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00 0.00 122/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00 0.00 145/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00 0.00 145/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00 0.00 145/X7 NORD Generation CU OPS/76/X10 (St M SAL 1.00			Spare Parts List				Base Plate	
Shaft Seal 2 Image: Saved Duty Point K Heating jacket - Rear Co Mechanical Shaft Seal M Image: Saved Duty Point T Special Clearences Shaft Seal 1 K8 (oring) Image: Saved Duty Point Image: Saved Duty Point Image: Saved Duty Point Shaft Seal 2 Image: Saved Duty Point Image: Saved Duty Point Image: Saved Duty Point Image: Saved Duty Point Part and price specifications Image: Saved Duty Point Image: Saved Duty Point Image: Saved Duty Point Image: Saved Duty Point 1022 E Image: Duty Point Image: Duty Point Image: Duty Point Image: Duty Point 1022 E Image: Duty Point Image: Duty Point Image: Duty Point Image: Duty Point 1023 E Image: Duty Point	-		V Dimensional Sketcl	,			D - Heating jac	ket - Front Cover
Shalt Seal 1 It is Decisit Clarence in the Shalt Seal 2 It is Decisit Clarence in the Shalt Seal 2 Shalt Seal 2 Base Shalt Seal 2 Price EUI Base Shalt Seal 2 Price EUI	Shaft Seal	2 🗸	Saved Duty Point			Ē		
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Pipe Friction Dimensional Sketch Select Coupling Curves Reset Selections Terms Conditions	Pipe Friction	Dimensional Sketch	Select Coupling	Curves	Reset Selections		Terms_Conditions	

Illustration 28

When the new data is typed in, this will be used as the second Duty Point.

Now both duty points will be saved and they will be a part of the complete selection when this is moved into word by marking "Saved Duty Point"

4.5.5 Move to Word button

When you click the Move to Word button you can move your selected pump configuration to a new Word document.

When you click the button you will be able to select the information you want to move to the Word document. The choice you make will be stored in the database, and the next time you select Move to Word you will get the same selection as the last time.



Illustration 29

4.5.6 Liquid List button

In the liquid list you can search for information on a lot of liquids.

From time to time you will experience that another type of liquid is referred to. In that case there will be another button at the bottom of the screen with the name of the referenced liquid. To see this liquid just click the button.

If you want to go back in your search just, click the Back button.

It is possible to shift between the Liquid list and the Flip/Flap list. The liquid list describes which pump to use and gives additional information about a certain liquid whereas the Flip/Flap list is a resistance list telling you which materials to use for the given liquid.

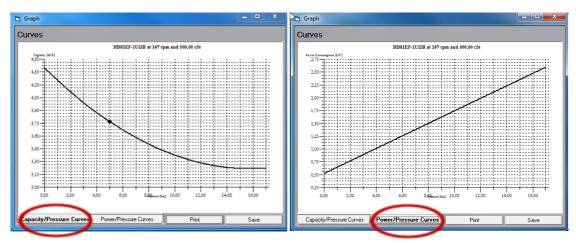
Cmd_LiquidList						x
ACETONE						
OTHER NAMES: Dimethylketo	ne.			*		
FORMULA: CH3COCH3. SP. GR	.: 0.80				ACETONE ADHESIVE	-
VISCOCITY: 0,4-0,5 cP @ 0	degree C.				AEROSOL ALCOHOL ALKYD BESINS	-
PUMP CONSTRUCTION: HDE	M-1U3B2S				ALKYD RESINS AMMONIA AMMONIUM HYDBOXIDE	
SEAL: Standard 2 seal wit	h Teflon O-rings.				AMYL ACETATE	
REMARKS: Colourless liqui					ANIMAL FATS	
with water, alcohol, ethe acetic anhydride; solvent					AQUEOUS AMMONIA ABOCLOB	
lacquers, and adhesives;					AROMATIC SOLVENT	
pharmaceuticals; used in					ASPHALT ASPHALT. CUT-BACK	
parts. Acetone is extreme seal pumps because of haz			mechanical		ASPHALT, EMULSIFIED	
sear pumps because of maz	ardous nacure or	the inquid.			BARIUM SULFATE SLURRY	
					BEESWAX	
					BENZENE	
					BIPHENYL BITUMEN	
					BLACK LIQUOR SOAP	
				-	BLACK STRAP MOLASSES BLOOD	•
1000	Back	Liquid List	Flip / Flap			

Illustration 30

When you have finished searching, click Exit to go back to the pump selection main window.

4.5.7 Curves button

When you have selected a specific pump configuration you can click the Curves button and get a graphics visualizing drawing with the specific pump's flow, pressure and power use.



Ilustration 31

Just click the buttons if you want to switch between Capacity and Effect. You can also select to print or save the curves by selecting the corresponding buttons

4.5.8 Reset button

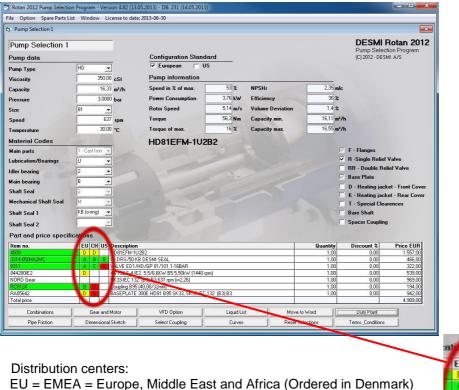
	Combinations	Gear and Motor	VFD Option	Liquid List	Move to Word	Duty Point
	Pipe Friction	Dimensional Sketch	Select Coupling	Curves	Reset Selections	Terms_Conditions
L					\sim	

Illustration 32

When you click this one, it will clear the selection at the bottom of the screen, as shown in the illustration below. It will not clear other selections.

5 Delivery categories, Terms and Conditions.

5.1 Delivery categories



CH = Asia (Ordered in China)

US = North- and South America and Canada (Ordered in UAS)



Illustration 33

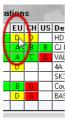


Illustration 34

By pointing on letter, and "click" on it a new window will open

Codes	Codes				
ίξU	Description				
nă Ar	1-3 working days - high priority (Delivery categories)				
В	1 working week (Delivery categories)				
C	1 working week (Delivery categories)				
D	2 working week (Delivery categories)				
E	5 working week (Delivery categories)				
F	10 working week (Delivery categories)				
G	By request (Delivery categories)				
Н	By request (Delivery categories)				
1	By request (Delivery categories)				
	Blank				
CTO	CTO - Configure To Order				
ETO	ETO - Engineer To Order				
	Max. Order Quantity Close				

Illustration 35

For EU the delivery time is based in working weeks from the reception of a Purchase Order.

People outside Desmi

Max order quantity: 2-3 units depending on size and type. Please ask the regional Desmi Distribution center for higher quantities.

Internal Desmi sales people:

Click button "Max Order Quantity" where you will be connected to the Desmi NET, where you find an updated list with information for the quantity.

On Desmi NET in "Sales and Support Portal", you will find information's for:

- Delivery categories
- Available stock Rotan Pumps
- Available stock Rotan Pumps
- Guideline Order entry
- Guideline Max order quantity
- What is Global order Center (GOC)
- KPI Delivery performance (Key performance indicators)

5.2 Terms and conditions.

Click button "Terms Conditions"

3. General Information	
Terms _Conditions	
Delivery Terms	EXW INCOTERMS 2010
Method Of Delivery	Most Cost Effective Way
Paint specifications	RAL 5010 BLUE, Gloss 50, Temalac FD 🗾 💌
Class Society	DESMI Test
Class Society Test	Std. Performa test
Material certificate	None
Test criteria	DESMI Rotan (Standard)
Delivery time	Working days
	ОК

Illustration 36

Default settings as above shown.

Type in the totally delivery time from the delivery categories (Please see 5.1)