

Introduction to DESMI Pumps Selection Program WinPSP (A)

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Disclaimer

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

The program is distributed 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.

DESMI reserves the right to make modifications at any time.

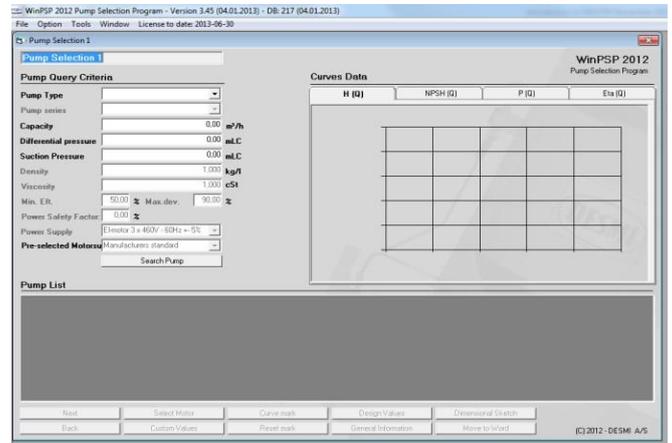
Specifications are subject to change without notice.

Example on how to select a DESMI pump in Win-PSP

When selecting a pump, all the white areas are used to specify the pumps performance.

This pump selection example is based on the following specifications:

Media:	Fresh water
Pump type:	Vertical in-line
Pump series:	NSL
Capacity:	100 m³/h
Pressure:	25 mLC



Step 1: Pump type and series

To select pump type click on “Pump Type” and “Pump series” scroll bars. The DESMI pump types are now displayed. Select required type and series. Series description can be found in pump manual on www.desmi.com

Pump Query Criteria	
Pump Type	Vertical In-line Centrifugal Pump
Pump series	NSL

Step 2: Capacity and pressure

Type in required capacity and differential pressure. Type in suction pressure while it is required or keep it zero. Press enter to make next input field available.

Capacity	100,00	m³/h
Differential pressure	25,00	mLC
Suction Pressure	0,00	mLC

Step 3: Features

Type in each white field under following guide.

Density: Fresh water has a density of 1.000 kg/l, and seawater 1.025 kg/l.

Viscosity: Clean water has a viscosity of 1.000 cSt.

Min. Eft: This feature will automatically force the program to select a pump, which has a minimum efficiency of 50% in the duty point.

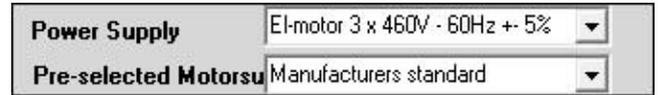
Max. dev.: This feature will automatically force the program to select a pump, which differential pressure is within +/-20% on user’s pre-selected differential pressure.

Density	1.000	kg/l
Viscosity (>=10 cSt)	1.000	cSt
Min. Eft.	50.00	%
Max. dev.	20.00	%
Power Safety Factor:	5.00	%

Power Safety Factor: This feature will automatically force the program to select a motor, which rate power output is at least 5% larger than maximum pump shaft power.

Step 4: Voltage and frequency

Power Supply: Click on “Power Supply” scroll bar and select one type that meets your requirements.

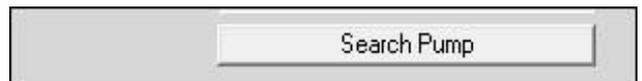


Pre-selected Motor: This feature allows the user to select between a various ranges of electric motors. The manufacturer’s standard is DESMI motor produced by BEVI.

If your preference is not in DESMI default supply scope, other brand IEC standard motors or NEMA standard motors can be delivered according to agreement with DESMI. Please continue the selection with choosing manufacturer’s standard and later ask DESMI to revise the motor brand in selection output.

Step 5: Search

Press “Search Pump” button and the program will now find the pumps that meets your specifications.



Step 6: Selecting pump model

Given the different options of the NSL models, NSL125-265 is chosen on the basis of:

Efficiency, NPSH, speed, el-motor size and cost index etc.:

EU	CH	US	Pump (Best price unit)	Motor	Imp. Dia	rpm	H(mLC)	P(kw)	NOL(kw)	Eta(%)	BEP(%)	NPSH(mLC)	Density	Viscosity
E	E	F	NSL125-265 (2.232 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	238	1752	24.96	9.84	14.82	69.11	76.09	1.68	1.00	1.00
E	E	E	NSL100-330 (2.328 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	270	1752	30.09	11.75	14.65	69.90	71.18	2.00	1.00	1.00
E	E	E	NSL125-265C (2.456 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	238	1752	24.96	9.84	14.82	69.11	76.09	1.68	1.00	1.00
E	E	E	NSL125-265B (2.330 EUR)	22.20 kW 3D 160 M4 18.5/22.2kW	240	1764	27.45	12.35	16.06	60.55	68.72	2.01	1.00	1.00
E	E	E	NSL150-265 (2.284 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	238	1752	24.95	12.40	17.04	54.63	79.05	3.81	1.00	1.00
E	E	E	NSL150-215B (1.935 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	215	1752	22.11	11.10	15.22	54.28	79.50	4.09	1.00	1.00
E	E	E	NSL80-330 (2.276 EUR)	18.00 kW 3D 160 L4 15/18kW Ma	308	1752	25.17	12.84	13.58	53.41	60.96	2.58	1.00	1.00
E	E	E	NSL100-330E (2.328 EUR)	13.20 kW 3D 160 L6 11/13.2kW M	330	1164	21.41	7.79	9.58	74.92	75.03	1.35	1.00	1.00
E	E	E	NSL125-330 (2.536 EUR)	13.20 kW 3D 160 L6 11/13.2kW M	330	1164	22.66	8.64	12.43	71.46	78.57	1.22	1.00	1.00

Pump (Best price unit) is only an estimated guide price for pump unit only. Click on the bar of NSL125-265, and press “Next” button at the bottom left, the pump model is now selected.

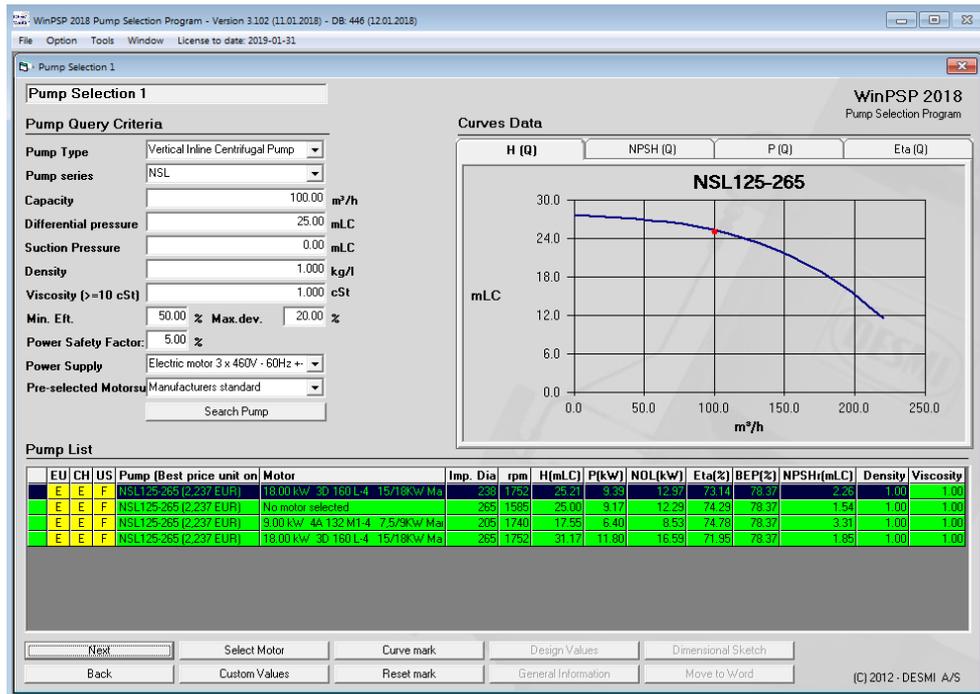
Step 7: Selecting pump working scenario

Four pump working scenarios on selected pump model are given.

1. Required capacity and differential pressure with system calculated impeller diameter and nominal rotation speed.
2. Required capacity and differential pressure with full size impeller and system calculated rotation speed.
3. Required capacity and system calculated differential pressure with minimum impeller diameter and nominal rotation speed.
4. Required capacity and system calculated differential pressure with full size impeller and nominal rotation speed.

The working scenario is selected on the basis of:

Required duty point and rotation speed:



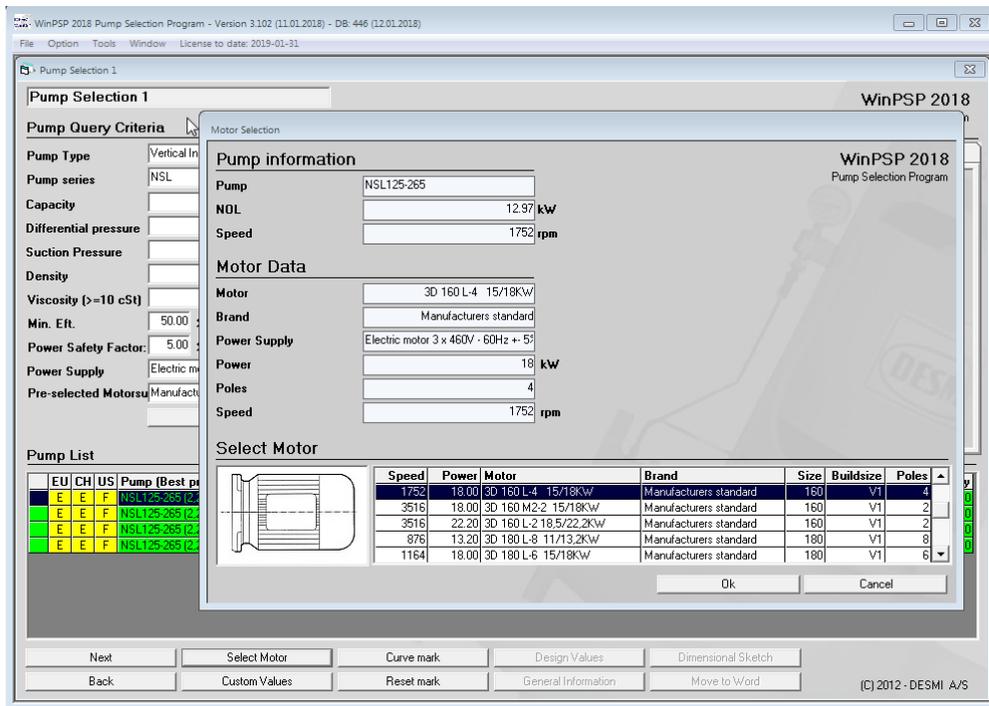
In this case, system calculated impeller diameter and nominal rotation speed is selected. As a consequence the suitable motor is selected by system. It is 18.00 kW manufacturer’s standard 3D 160 L-4.

Press "Next" button at the bottom left, to finalize the pump working scenario.

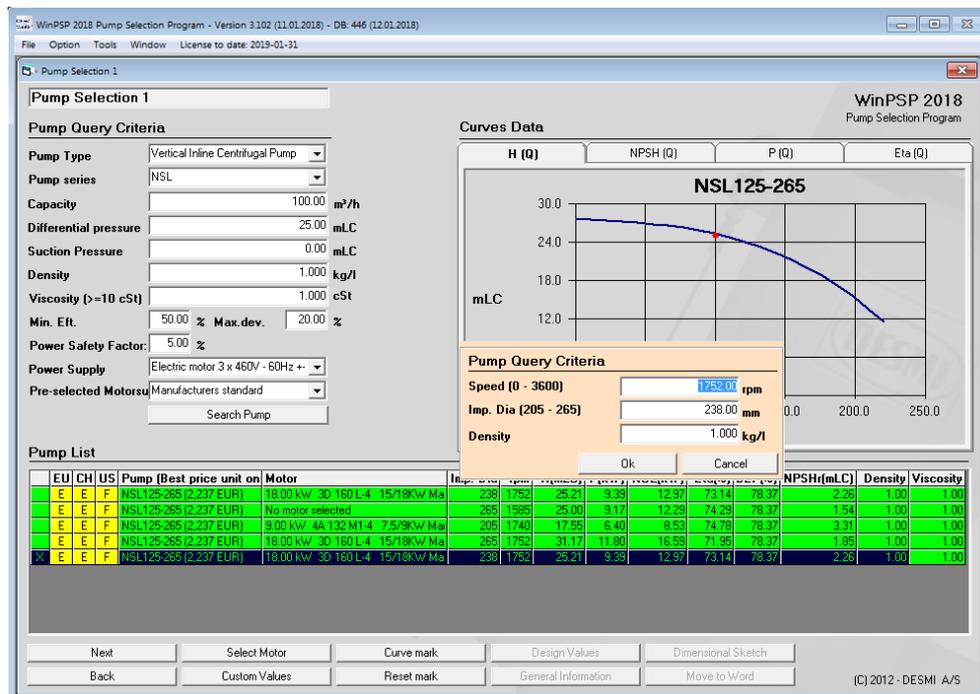
Press “Back” button at the bottom left, to re-select pump model.

Below description is prepared for advanced user who has adequate pump, pumping and motor technical knowledge to customize working scenario by own. DESMI does not guarantee that your designed working scenario can be achieved by DESMI pumps. Please consult DESMI on the feasibility of your customized working scenario.

1. If you want to select another size of motor, press “Select Motor” button at the bottom left side, to select another motor in pop up window. Click on “OK” button to finish the selection and close the sub-window. Now your selection is displayed in working scenario list.



2. If you want to change the rotation speed and impeller diameter, press “Custom Values” button at the bottom left side, to enter in designed speed and impeller diameter in pop up window. Click on “OK” button to finish the selection and close the sub-window. Now your selection is displayed in working scenario list.



3. Press "Next" button at the bottom left, to finalize the pump working scenario.

Step 8: Design values

Press “Design values” button at the bottom right to pop up a sub-window to select pump features on main parts material, configuration, motor, manometers and shaft seal material, etc.

The screenshot shows the WinPSP 2018 Pump Selection Program interface. The 'Pump Query Criteria' section includes fields for Pump Type (Vertical Inline Centrifugal Pump), Pump series (NSL), Capacity (100.00 m³/h), Differential pressure (25.00 mLC), Suction Pressure (0.00 mLC), Density (1.000 kg/l), Viscosity (1.000 cSt), Min. Eff. (50.00 %), Max. dev. (20.00 %), Power Safety Factor (5.00 %), Power Supply (Electric motor 3 x 460V - 60Hz +-), and Pre-selected Motors (Manufacturers standard). The 'Curves Data' section displays a graph for NSL125-265 showing H (Q) in mLC vs m³/h. The 'Part and price specifications' table is as follows:

Item no.	EU	CH	US	Description	Quantity	Discount %	Price EUR
				Motor Manufacturers standard 3D 160 L-4 15/18KW (18.00 kW)	1.00	0.00	0.00
Total price							0.00

Buttons at the bottom include: Next, Select Motor, Curve mark, Design Values, Dimensional Sketch, Back, Custom Values, Reset mark, General Information, and Move to Word. The copyright notice is (C) 2012 - DESMI A/S.

Step 9: Configuration and feature options

Known combination: Click on one bar to select suitable material and configuration. Other material can be delivered according to agreement with DESMI.

Pump configuration description can be found in pump manual on www.desmi.com

EL	CH	US	Material	Pump Casing	Impeller	Shaft	Shaft Seal	Configuration	Configurationscode	Description
D	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	12			
E	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	12			(+/-) concept see FD structure
D	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	12			(+/-) concept see FD structure
D	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	13			(+/-) concept see FD structure
D	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	14			(+/-) concept see FD structure
D	E	A	Grey cast iron (G)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	15			(+/-) concept see FD structure
E	E	D	Bronze (RG5)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	02			(+/-) concept see FD structure
E	E	D	Bronze (RG5)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	13			(+/-) concept see FD structure
E	E	D	Bronze (RG5)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	14			(+/-) concept see FD structure
E	E	D	Bronze (RG5)	NA/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Ce	15			(+/-) concept see FD structure

Select Motor: Click on one bar to select suitable efficiency class, heating element and rain cap. More features can be delivered according to agreement with DESMI.

Select Motor	dc	dc	dc	Mapics Item No	Buildsize	Heat	Cap
844400	D	E	G	Manufacturers standard 3D 160 L-4 15/18KW (18.00	V1	False	False
844400E2	D	E		Manufacturers standard 3D 160 L-4 15/18KW (18.00	V1	False	False
844403	D	E		Manufacturers standard 3D 160 L-4 15/18KW (18.00	V1	True	False
844403E2	D	E		Manufacturers standard 3D 160 L-4 15/18KW (18.00	V1	True	False

Feature Option: Click on scroll bars to select manometers and shaft seal material. NITRIL is for seawater application and EPDM for high temperature applications. Keep “Select Addon” scroll bar unselected if pump should not be with priming function.

Press “Ok” button at the bottom to finish the configuration and feature option selection, and close the sub-window.

Design Values

Pump: NSL125-265 (Imp. Dia = 238.00 mm)

Motor: Manufacturers standard 3D 160 L-4 15/18kW (18.00 kW)

Material: A Pump casing: Cast iron + cast iron alloys. Impeller: N/AIBz

Configuration: 02 Monobloc design with bearing

Standart/Spec.: Standard

Description: (+/-) concept see FO structure

Partlist: 672641 Assembly drawing 410326

Dimensional Sketch: 410394 Sparepart drawing

Feature Option

MANOMETER -1/5 BAR Selected ItemNo 672515

NITRIL Ø38 Selected ItemNo 672573

Select Addon

Select Motor	dc	dc	Mapics Item No	Buildsize	Heat	Cap
844400	D	E	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844400E2	D	E	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844403	D	E	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False
844403E2	D	E	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False

Known combinations

EU	CF	UC	Material	Pump Casing	Impeller	Shaft	Shaft Seal	Configuration	Configurationscode	Description
G	D	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			
E	E	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	02			(+/-) concept see FO structure
G	D	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			(+/-) concept see FO structure
G	D	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
G	D	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
G	D	A	Grey cast iron (G)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure
E	E	D	Bronze (RG5)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	02			(+/-) concept see FO structure
E	E	D	Bronze (RG5)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
G	E	D	Bronze (RG5)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
E	E	D	Bronze (RG5)	N/AIBz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure

Buttons: Ok, Reset Selections, Cancel

If pump should be with priming function, instead of press “Ok” button at the bottom, click on “Select Addon” scroll bar to configure priming device according to following guide.

Step 9a: Priming Ejector as an option

Please read user manual while priming ejector to be configured.

https://www.desmi.com/UserFiles/file/Manuals/Marine_and_Offshore/T1521UK.pdf

Click on “Select Addon” scroll bar, select one type of priming device. In this case “DESMI ½” EJECTOR RG5” is selected. Now a new selection area pop up. Click on each scroll bar and select the required feature. After all features have been selected, press “Ok” button in pop up area to finish the priming feature selection and close the pop up area. Press “Ok” button at the bottom to finish the configuration and feature option selection and close the sub-window.

Design Values

Design Values

Pump: NSL125-265 (Imp. Dia = 238.00 mm)

Motor: Manufacturers standard 3D 160 L-4 15/18kW (18.00 kW)

Material: A Pump casing: Cast iron + cast iron alloys. Impeller: N/A/Bz

Configuration: 02 Monobloc design with bearing

Configuration:

Configurationscode:

Configurationscode:

Standart/Spec.: Standard

Description: (+/-) concept see FO structure

Partlist: 672641 Assembly drawing 410326

Dimensional Sketch: 410394 Sparepart drawing

Feature Option Selected ItemNo

MANOMETER -1/5 BAR 672515

NITRIL Ø38 672573

DESMI 1/2" EJECTOR RG5

Select AddOn - DESMI 1/2" EJECTOR R

Ø3.5 NOZZLE/Ø10 DIFFUSER

OPTION 1-10 BAR

SOLENOID VALVE 1/2" 230V-50/60

Plate for ESL ejector

Ok

Select Motor	dc	dc	dc	Mapics Item No	Buildsize	Heat	Cap
844400	D	E	C	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844400E2	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844403	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False
844403E2	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False

Known combinations

EL	CF	UC	Material	Pump Casing	Impeller	Shaft	Shaft Seal	Configuration	Configurationscode	Description
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	02			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure

Ok Reset Selections Cancel

Step 9b: Priming Pump B114 as an option

Please read user manual while priming pump to be configured.

https://www.desmi.com/UserFiles/file/Manuals/Marine_and_Offshore/T1488UK.pdf

Click on “Select Addon” scroll bar, select one type of priming device. In this case “B114N PRIMING PUMP” is selected. Now a new selection area pop up. Click on each scroll bar and select the required feature. After all features have been selected, press “Ok” button in pop up area to finish the priming feature selection and close the pop up area. Press “Ok” button at the bottom to finish configuration and feature option selection and close the sub-window.

Design Values

Design Values

Pump: NSL125-265 (Imp. Dia = 238.00 mm)

Motor: Manufacturers standard 3D 160 L-4 15/18kW (18.00 kW)

Material: A Pump casing: Cast iron + cast iron alloys. Impeller: N/A/Bz

Configuration: 02 Monobloc design with bearing

Configuration:

Configurationscode:

Configurationscode:

Standart/Spec.: Standard

Description: (+/-) concept see FO structure

Partlist: 672641 Assembly drawing 410326

Dimensional Sketch: 410394 Sparepart drawing

Feature Option Selected ItemNo

MANOMETER -1/5 BAR 672515

NITRIL Ø38 672573

B114N PRIMING PUMP

Select AddOn - B114N PRIMING PUMP

DESMI 90S2 1.5kW/50Hz

NSL-215/265/02/16 100/112-200

NAME PLATE LABEL w. CE

1-10 BAR w. PRESSURE GAUGES

MAGN.VEN.230V/50/60HZ

B114N -UNIT OPTION

Ok

Select Motor	dc	dc	dc	Mapics Item No	Buildsize	Heat	Cap
844400	D	E	C	Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844400E2	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	False	False
844403	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False
844403E2	D	E		Manufacturers standard 3D 160 L-4 15/18kW (18.00)	V1	True	False

Known combinations

EL	CF	UC	Material	Pump Casing	Impeller	Shaft	Shaft Seal	Configuration	Configurationscode	Description
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	02			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	12			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
E	S	A	Grey cast iron (G)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	02			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	13			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	14			(+/-) concept see FO structure
E	S	D	Bronze (RG5)	N/A/Bz DS/EN 1	Duplex Stainless	Mechanical Carbon/Cei	15			(+/-) concept see FO structure

Ok Reset Selections Cancel

Step 10: Delivery terms

A three-column codes are displayed on right side of “Item no.” list. The codes describe the expected delivery time for each item. “EU” means expected delivery time in EMEA (Europe). “CH” means expected delivery time in APAC (Asia). “US” means expected delivery time in North America. Click any frame in the column, a list with the expected delivery time definition will pop up. Click “Ok” in pop up area to close the sub-window. Please note that only delivery times marked with green color need not to be verified by the DESMI Planning Department.

WinPSP 2018
Pump Selection Program

Pump Selection 1

Pump Query Criteria

Pump Type: Vertical Inline Centrifugal Pump
Pump series: NSL
Capacity: 100.00 m³/h
Differential pressure: 25.00 mLC
Suction Pressure: 0.00 mLC
Density: 1.000 kg/l
Viscosity (>=10 cSt): 1.000 cSt
Min. Eff.: 50.00 % Max. dev.: 20.00 %
Power Safety Factor: 5.00 %
Power Supply: Electric motor 3 x 460V - 60Hz +-
Pre-selected Motors: Manufacturers standard

Curves Data

H (Q) | NPSH (Q) | P (Q) | Eta (Q)

Codes

EU	Description
A	1-3 working days - high priority (Delivery categories)
B	1 working week (Delivery categories)
C	1 working week (Delivery categories)
D	2 working weeks (Delivery categories)
E	5 working weeks (Delivery categories)
F	10 working weeks (Delivery categories)
G	By request (Delivery categories)
H	By request (Delivery categories)
I	By request (Delivery categories)
	Blank
CTO	CTO - Configure To Order
ETO	ETO - Engineer To Order

Max. Order Quantity (EMEA) | Max. Order Quantity (ASIA US) | Ok

Part and price specifications

Item no.	EU	CH	US	Description	Quantity	Discount %	Price EUR
872641	E	E		NSL125-285/A02	1.00	0.00	2,456.00
872119	E	E		DRIVING UNIT 160	1.00	0.00	356.00
872515	D	E		MANOMETER -1/5 BAR	1.00	0.00	163.00
872573	E	D		NITRIL Ø38	1.00	0.00	206.00
944400	D	E		MOTOR 3D 160 L-4 15/18KW	1.00	0.00	1,021.00
Total price							4,202.00

Next | Select Motor | Part list | Design Values | Dimensional Sketch
Back | Custom Values | Find part | General Information | Move to Word

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Step 11: Additional information

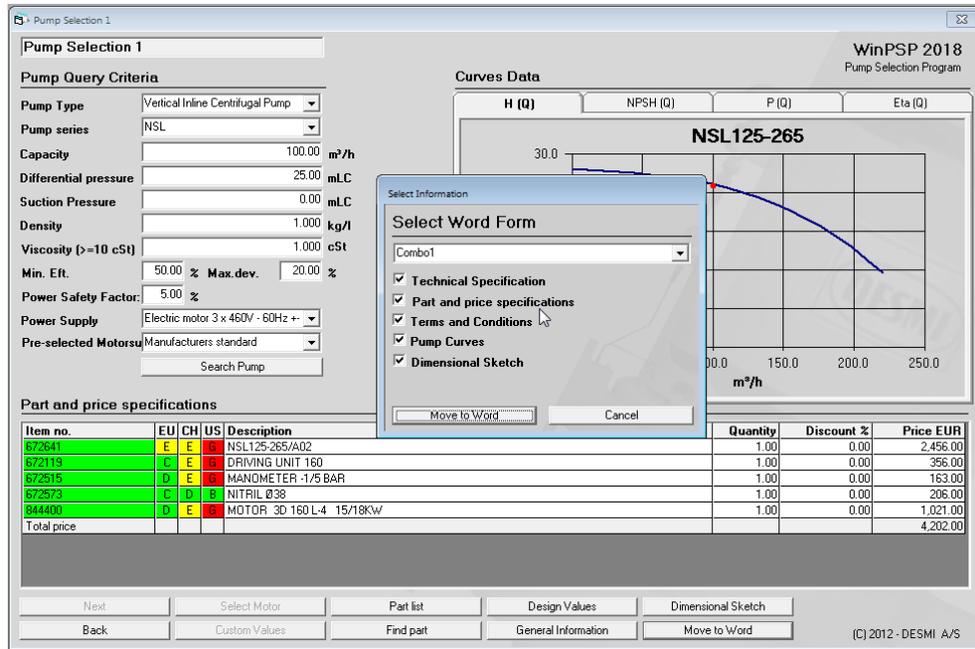
Click on “General Information”, a sub-window pop up, it is possible to add further terms and conditions such as delivery terms, method of delivery, class society, special paint, certificates etc.

Press “Ok” button at the bottom right to finish the selection and close this sub-window.

General Information		Pump	
Quotation No.		Capacity	100.00 m³/h
Pos. No.		Total Man. Head	25.21 mLC
Pump	NSL125-265/A02	Speed	1752 rpm
Pump Media	Sea water	Power Consumption	9.39 kW
Pump Casing	Grey cast iron (GG20)	NPSH	2.26 mLC
Suction/Pressure	125/125 mm.	Non-Overl. Power	12.97 kW
Impeller	NiAlBz DS/EN 1982 CC333	Max partical size	15.00
Impeller Diameter	238.00 mm		
Shaft	Duplex Stainless Steel AISI 329	Motor	
Mechanical Shaft Seal	NITRIL Ø38	Brand	Manufacturers standard
Bearings	Ball Bearings	Motor	3D 160 L-4 15/18kW
Coupling	Monobloc	Power Supply	Electric motor 3 x 460V - 60Hz + 5%
Rotation	Clockwise	Construction	T.E.F.C
Manometer	MANOMETER -1/5 BAR	Insulation Cl.	F-IP55
Delivery Terms	EXW INCOTERMS 2010	Speed	1752 rpm
Method of Delivery	Most Cost Effective Way	Performance	18.00 kW
Paint Specifications	RAL 1007 (Dalfodl yellow), Gloss 50, Tema	Delivered by	DESMI A/S
Class Society	No DESMI Test	Material Certificate	TIFICATE 3.1 (Stainless- and Carbon Steel)
Class Society Test	No DESMI Test	Test Criteria	ISO 9906 Grade 2B (Standard) (CF)
Delivery Time	Working weeks from receipt of Guide - Delivery Time		
Additional Comments			

Step 12: Move to Word

Click on “Move to Word” at the bottom, one sub-window will pop up. Select required subjects, and press “Move to Word” button in pop up area, It is now possible to generate a Word file including technical specification, parts and price list, terms and conditions, pump curves and dimensional sketch.

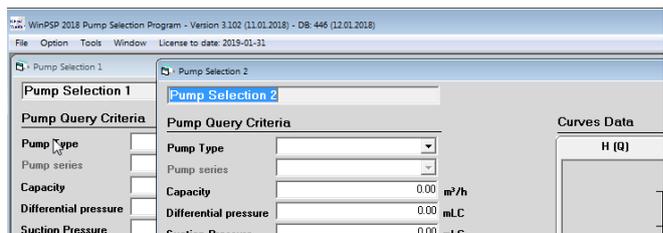


Supplement

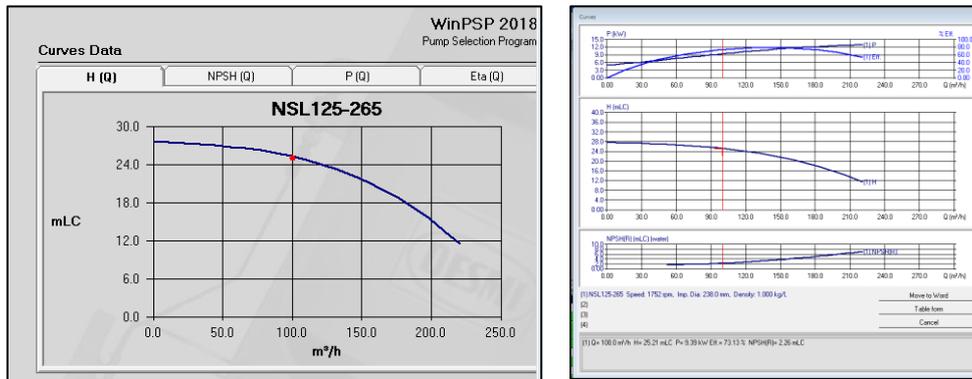
1. The program default unit is metric system. If other measuring systems is preferred, please choose your preference by click “Option” menu in upper main menu bar.



2. If you want the program to calculate with multi specifications, please click “File” to open more selection window.



3. In step 7: Selecting pump working scenario, if you want to review H(Q), NPSH(Q), P(Q) and Eta(Q) in one sheet, double click frame of any one curve, a sub-window will pop up with all curves in one sheet.



Click on the curve in sub-window, you may read the Q, H, P, Eta and NPSHr value on any point of the curve. Click on “Move to Word” button in sub-window, you may export the curve to Word file. Click on “Cancel” button in sub-window, close the sub-window.

4. In step 12: Move to Word, if you want to review the dimensional sketch before export it, click on “Dimensional Sketch” button, a sub-window will pop up with dimensional sketch and pump weight. If you want to export the Sketch individually, click on “Move to Word” button to generate a Word file. Click on “Cancel” button to close the sub-window.

Item no.	EU	CH	US	Description	Quantity
872841	E	E	R	NSL125-265/A02	1.00
872119	E	E	R	DRIVING UNIT 160	1.00
872912	D	L	R	WITHOUT MANDMETERS	1.00
872922	E	D	R	NTRIL 0.25	1.00
844400	D	E	R	MOTOR 30 160L4 15/18kW	1.00

Dimension	Value
T	560.00 mm
L	1177.00 mm
Motor weight	132.0 kg
Pump weight	140.5 kg
Unit weight	292.0 kg

Thank you for your interest in DESMI’s products.

For a price quote please send the selection to ssemea@desmi.com or call the DESMI Support Team on Tel. +45 96328111.

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The mission of DESMI is to develop, manufacture, sell and service pumps and pumping systems, environmental equipment, and special products related to these areas.

MARINE & OFFSHORE

INDUSTRY

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DEFENCE & FUEL

UTILITY