

Pump Selection Software

Pump Selection Program is a tool for people dealing with / manufacturing pumps to choose a pump from the available list of models which is best suited for a particular situation. The program relieves the user from scanning product catalogues and performing variety of calculations to predict the actual performance of the pump. Just by giving the duty parameters, i.e. discharge and head, the user can see the list of all the

Enter Pump Selection Parameters

Hydraulic Parameters

Specify Discharge lpm

Specify Head m

Operating Frequency

50 Hz

60 Hz

Fluid Characteristics

Density kg/cu.m

Temperature deg C

Viscosity

Phase

Any

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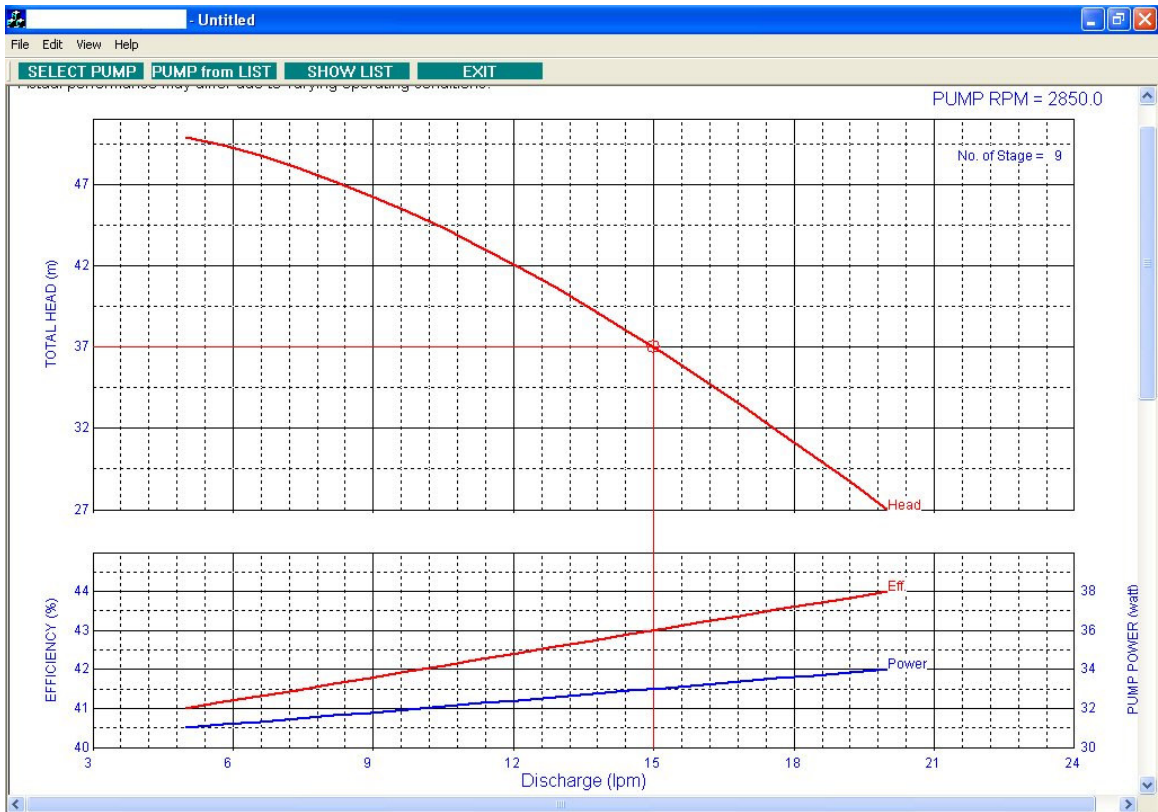
3

Cancel

Start Selection

pumps which can perform the given duty along with their power requirement and efficiency at given duty point.

For selecting a pump the program searches the database and creates a list of all pump models capable of performing given duty. The user can then select a particular model from list and can view / print the specifications of the model along with its characteristic curves. The program will automatically select a suitable motor for the pump and show its specifications also.



There is also provision for calculating head losses as per various pipe sizes and calculating energy requirement.

TECHNICAL ANNEXURE	
Pump Model	QF-1
No. of Stage	9
Required Discharge	15.0 lpm
Required Head	37.0 m
Actual Discharge	14.8 lpm
Actual Head	37.0 m
Rated Discharge	15.0 lpm
Rated Head	37.0 m
Speed	2850.0 rpm
Pump Outlet	32.0 mm
Bore Hole	100.0 mm
Power P1	207.8 Watt
Pump Efficiency	43.0 %
Frequency	0 Hz
Phase	0
Voltage	0 volt
Rated Current	0.0 Amp
Motor Type	(0.0 kW)
Motor Efficiency	0.0 %
OverAll Efficiency	0.0 %
Power P2	1.\$ Watt

The other salient features of the software are as follows

The software is created in Visual C++.

The software runs as a standalone application, it does not require any graphic program like AutoCAD for generating graphics.

The software is compact enough to be downloaded from your website.

The software is highly user friendly, so that any person with little or no technical knowledge can use it for pump selection.

The software comes along with a windows help file, so that the user can go through it to understand the working / features of the program.