NEWTONUS PUMP

END SUCTION CENTRIFUGAL PUMP

MR model (Stainless steel)

We are professional engineers for energy saving pump & piping

General

Application :

-Commercial Building : Transfer to reservoir; booster to krans, wastafel, shower, toilet, nozzel
-Industrial : Transfer to reservoir; booster to krans, wastafel, shower, toilet, nozzel, process/circulation
-Water Treatment : Transfer to reservoir; process/circulation
-Chiller/Air Conditioning, boiler/heating : Circulation; transfer
-Agriculture, farming, gardening, water fountain: Booster to irrigation, sprinkle
-Residencial : Transfer to reservoir; booster to krans, wastafel, shower, toilet, nozzel/sprinkle
-Sea water desalination : Transfer, booster
-Washing/Car washing : Sprayer/nozzel
-Jet pump : Transfer to reservoir; booster to krans, wastafel, shower, toilet, nozzel

Specification :

-Maximum flow 160 M3/hour
-Maximum head 70 meter
-Liquid temperatur -20 deg.C to 100 deg.C
-Maximum working pressure 10Bar
-Inlet/outlet diameter DN32 - DN100
-Liquid pH 6 - 9, clean liquid non grain/fiber, non chemical

MR model (SS 304) c/w Motor

Electric motor :

-3Ph/380V-415V/50Hz/2P
-1Ph/220V-240V/50Hz/2P
-Insulation class F, protection clas IP55
-Maximum power : 37 kW

Features :

-Compact and small size.
-Low vibration and low noise
-Easy to install at the piping.

Engineering & pricing solution

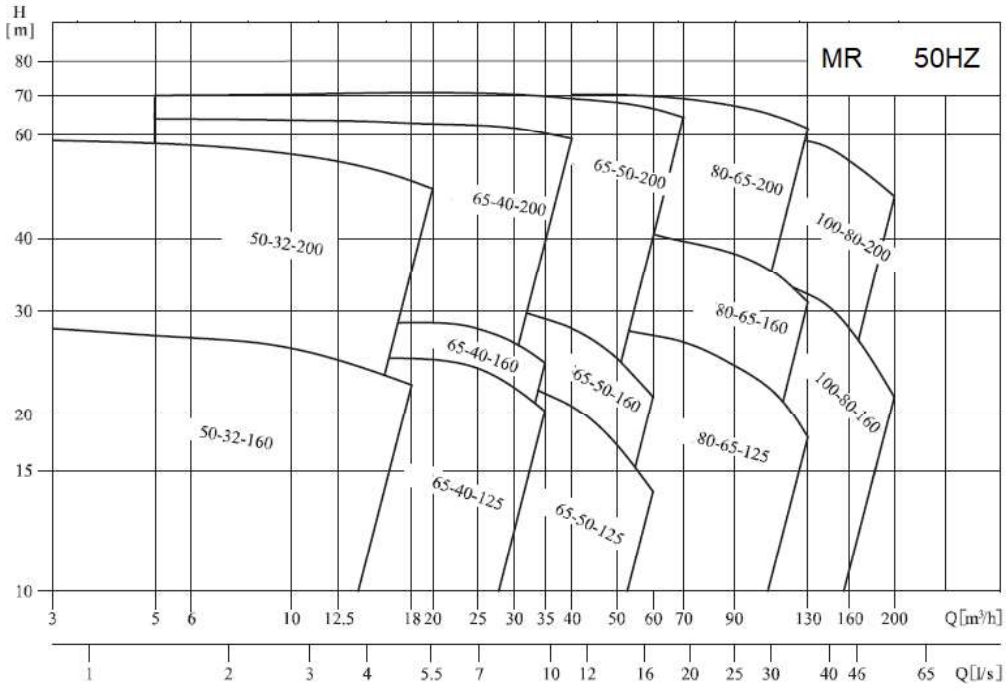
The energy saving & long life time of pump is our focus. The pump energy saving is not only determined by pump efficiency, but also depending by pipe diameter, controller, etc. Therefore we are ready to give consultation or trainning of piping engineering (Free of charge) before purchase the pumps, for as below :

-Calculation to determine the pump flow & total head, pipe diameter & material (inlet/ outlet pipe)
-To avoid cavitation, the suction pipe (negative/positive suction) should be calculated max. suction lift (Hs).
-Selection of pump controller according to the application system
-Selection of pump type according to flow, total head, material and electrical power
-Selection of cheaper price with similar or better pump & application.

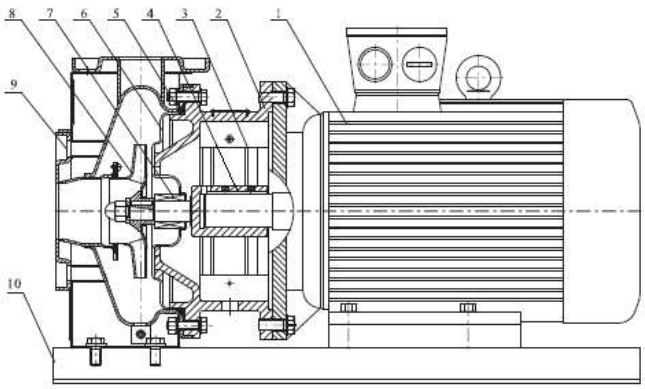
Konsultasi : WA, BiP 0877 7067 8615, email : engineering@newtonus.com, engineering.newtonus@gmail.com

Technical

Performance curve :



Component & Material :



NO.	Parts	Material
1	Motor	
2	Pump head	ASTM25B
3	Guard plate	AISI304
4	Shaft	AISI420/ AISI304
5	O ring	NBR
6	Lining of pump head	AISI304
7	Mechanical seal	Carbon/Silicon Carbide
8	Impeller	AISI304
9	Casing	AISI304
10	Base plate	ASTMA570

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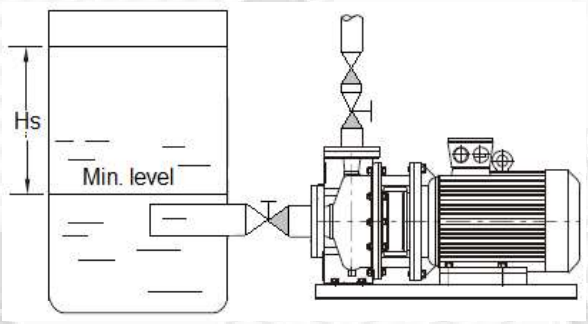
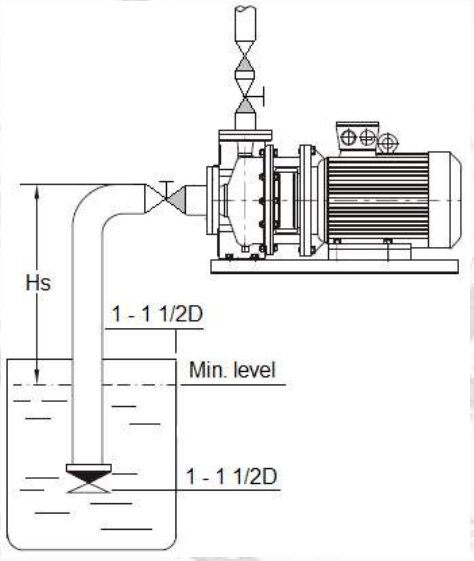
Suction piping installation:

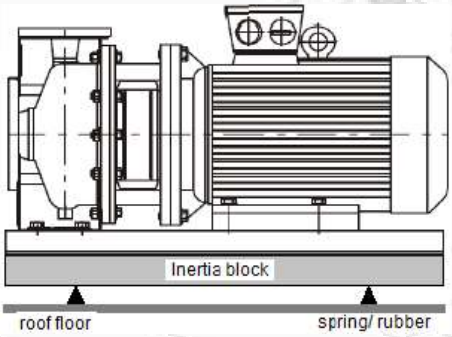


Positif suction, is recomended istallation



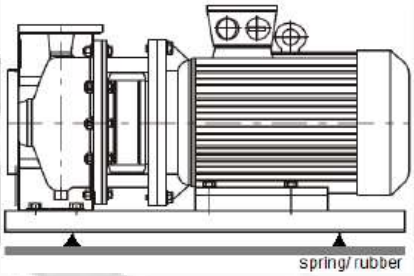
Negative suction. P >2.2KW, Hs (Max suction lift) should be calculated to avoid cavitation. Recomended P < 2,2KW, Hs = 1Mtr-4Mtr

Pump installation :

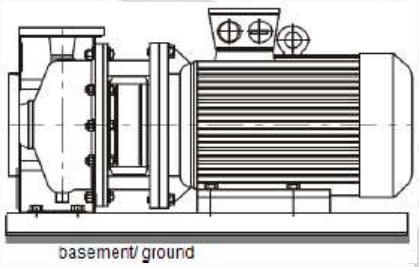


Pump installation, P > 2,2KW on the roof floor.

To avoid high vibtration and noise accuring due to effect of rotation, the pump should be installed inertia block & spring/rubber vibration damper. This installation can avoid the damage of building constructions.



Not recomended pump installation. The base frame will deflection and shaft misalignment.



Installation of Pump>2.2KW on the ground