# Type GD

## Inline stainless steel centrifugal pump

## 管道式不銹鋼離心泵

通大 TONGDA



### 使用範圍

管道式離心泵，由SUS304不銹鋼制成，適用于冷凍水、空調系統和供暖系統的二次熱水和普通工業低壓運行。結構輕便，一個人就可以完成安裝。

### Applications

This inline centerifugal pumps are made of SUS304,which are suitable to transport chilled water, hot water from air conditioning system and heating system, also can be run under low pressure for common industry.

### 電機

- 全閉式扇冷電機
- 絕緣等級：F級或B級
- 防護等級IP55
- 單相：220V、50Hz，2900轉/分
- 三相：380V、50Hz,2900轉/分
- 可按用戶要求增加熱保護裝置

### Moto

T.E.F.C.continuous duty
Insulation class：For B
Protection class：IP55
Single phase：220V、50Hz，2900rpm
Three phase：380V、50Hz，2900rpm
Overload switches are available upon request.

### 材質

- 泵體、葉輪與后蓋：SUS304
- 泵軸：SUS304
- 支架：鑄鐵HT200；電機外殼：鋁
- 機械密封：石墨/碳化硅/丁腈橡膠

### Material

Casing, impelier, back cover:SUS304
Pump Shaft:SUS304
Bracket :Cast iron HT200. Motor jacket:Aluminmun
Mechanical seal: Carbon/SiC/NBR

### 性能極限

- 最大吸入正壓：4bar
- 液體溫度：-15℃~80℃
- 泵的使用參照性能表範圍以防止電機過載，造成危險。

### Technical date

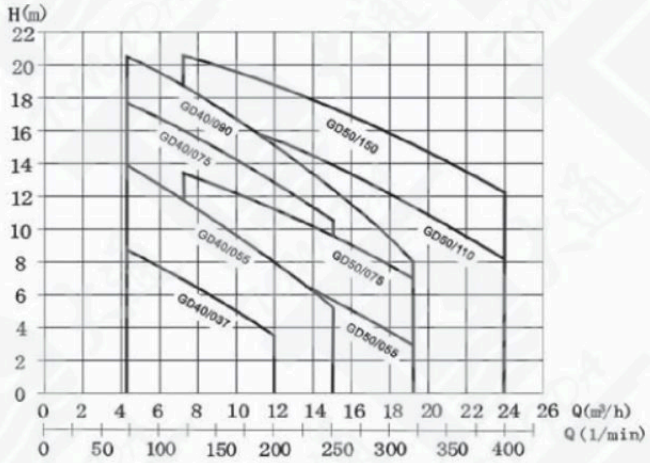
Max.Suction pressure:4bar
Liquid temperature: -15℃~80℃
To avoid overload and danger the pump should be operated within the perfomance ranges.

## 型號說明 Symbols:

GD 40 / 075 D

- D：相數，D:單相　無 D：三相 Phase，D: Single phase without D:three phase
- 075：電機功率：0.75kW Motor power: 07.5kW
- 40：進出水口尺寸：40mm Suction and discharge size: 40mm
- GD：管道式離心泵 Inline centrifugal pump

## 型譜圖 Curve Chart:




## 性能表 PERFORMANCE DATE

n=2900rpm

| 型號 Model | | | | 功率 Power | | Q=流量 Capacity | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 單相 Single phase 220V 50Hz | 电流 (A) | 三相 Three phase 380V 50Hz | 电流 (A) | 千瓦 kW | 馬力 HP | 1/min | 70 | 100 | 120 | 150 | 200 | 250 | 320 | 400 |
| | | | | | | $m^3/h$ | 4.2 | 6 | 7.2 | 9 | 12 | 15 | 19.2 | 24 |
| GD40/037D | 2.26 | GD40/037 | 0.95 | 0.37 | 0.5 | | 9.5 | 9 | 8 | 7 | 5 | | | |
| GD40/055D | 3.35 | GD40/055 | 1.28 | 0.55 | 0.75 | | 14 | 13 | 12.5 | 11.5 | 9 | 6.5 | | |
| GD40/075D | 4.45 | GD40/075 | 1.88 | 0.75 | 1.0 | | 17.5 | 16.5 | 16 | 15.5 | 13.5 | 11 | | |
| GD40/090D | 5.40 | GD40/090 | 2.12 | 0.90 | 1.2 | | 20.5 | 19.5 | 19 | 18.5 | 17 | 14 | 8 | |
| GD50/055D | 3.35 | GD50/055 | 1.28 | 0.55 | 0.75 | | | | 10.5 | 10 | 9 | 7 | 4.5 | |
| GD50/075D | 4.45 | GD50/075 | 1.88 | 0.75 | 1.0 | | | | 13.5 | 13 | 12 | 10.5 | 8 | |
| GD50/110D | 6.24 | GD50/110 | 2.48 | 1.1 | 1.5 | | | | 17.5 | 17 | 16 | 14.5 | 12 | 9 |
| GD50/150D | 8.80 | GD50/150 | 3.12 | 1.5 | 2.0 | | | | 20.5 | 20 | 19 | 17.5 | 15.5 | 12.5 |

## 安裝尺寸 DIMENSIONS

| 型號 Model | 尺寸 Dimensions(m) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | E | B | B2 | H3 | DNA | DNM | D1 | D2 | S |
| GD40/037 | 305 | 415 | 80 | 210 | 40 | 40 | 150 | 125 | 18 |
| GD40/055 | 305 | 415 | 80 | 210 | 40 | 40 | 150 | 125 | 18 |
| GD40/075 | 305 | 415 | 80 | 210 | 40 | 40 | 150 | 125 | 18 |
| GD40/090 | 305 | 415 | 80 | 210 | 40 | 40 | 150 | 125 | 18 |
| GD50/055 | 310 | 455 | 87.5 | 210 | 50 | 50 | 165 | 125 | 18 |
| GD50/075 | 310 | 455 | 87.5 | 210 | 50 | 50 | 165 | 125 | 18 |
| GD50/110 | 310 | 455 | 87.5 | 210 | 50 | 50 | 165 | 125 | 18 |
| GD50/150 | 310 | 455 | 87.5 | 210 | 50 | 50 | 165 | 125 | 18 |

