

VERTICAL TURBINE PUMPS



Dynapumps Offices Australia & Chile

Dynapumps
MORE THAN JUST PUMPS

VERTICAL TURBINE PUMPS
CATALOGUE

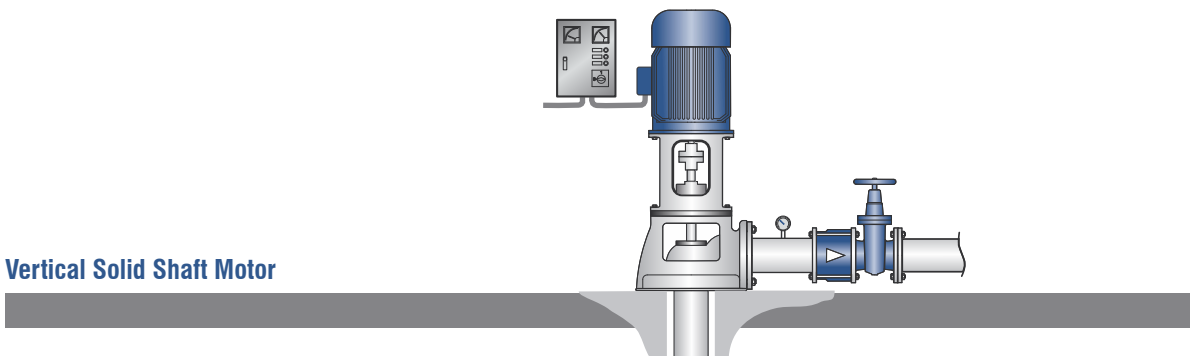




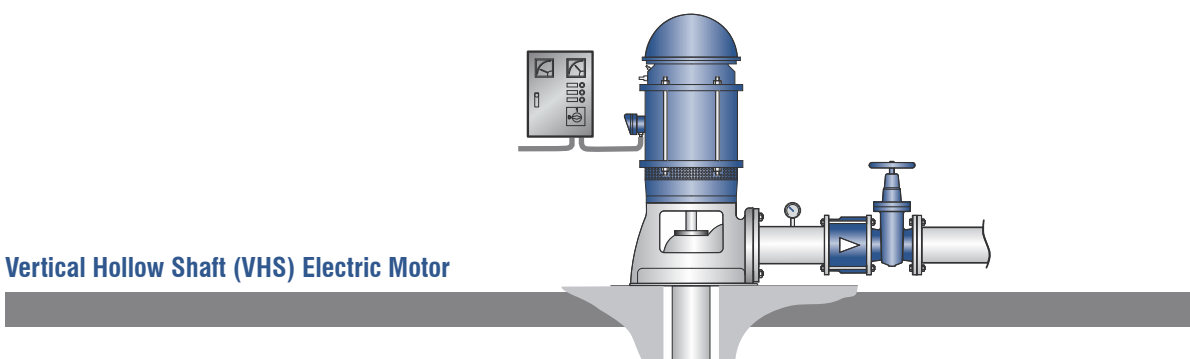
VERTICAL TURBINE PUMPS

Vertical Turbine Pumps Drive Varieties

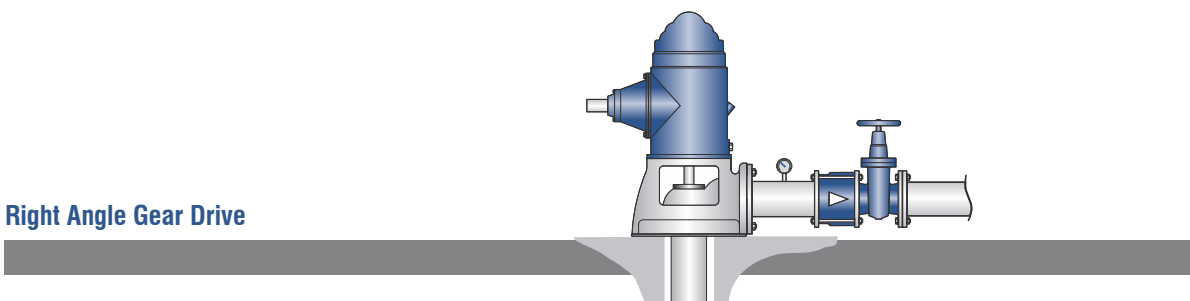
Vertical Solid Shaft Motor



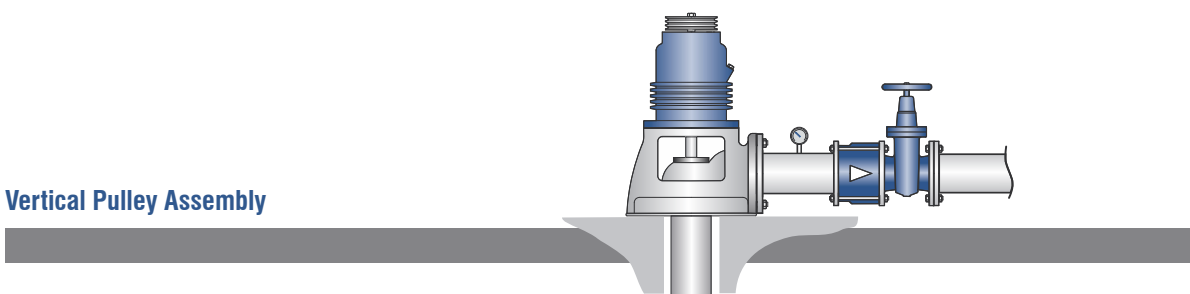
Vertical Hollow Shaft (VHS) Electric Motor



Right Angle Gear Drive



Vertical Pulley Assembly

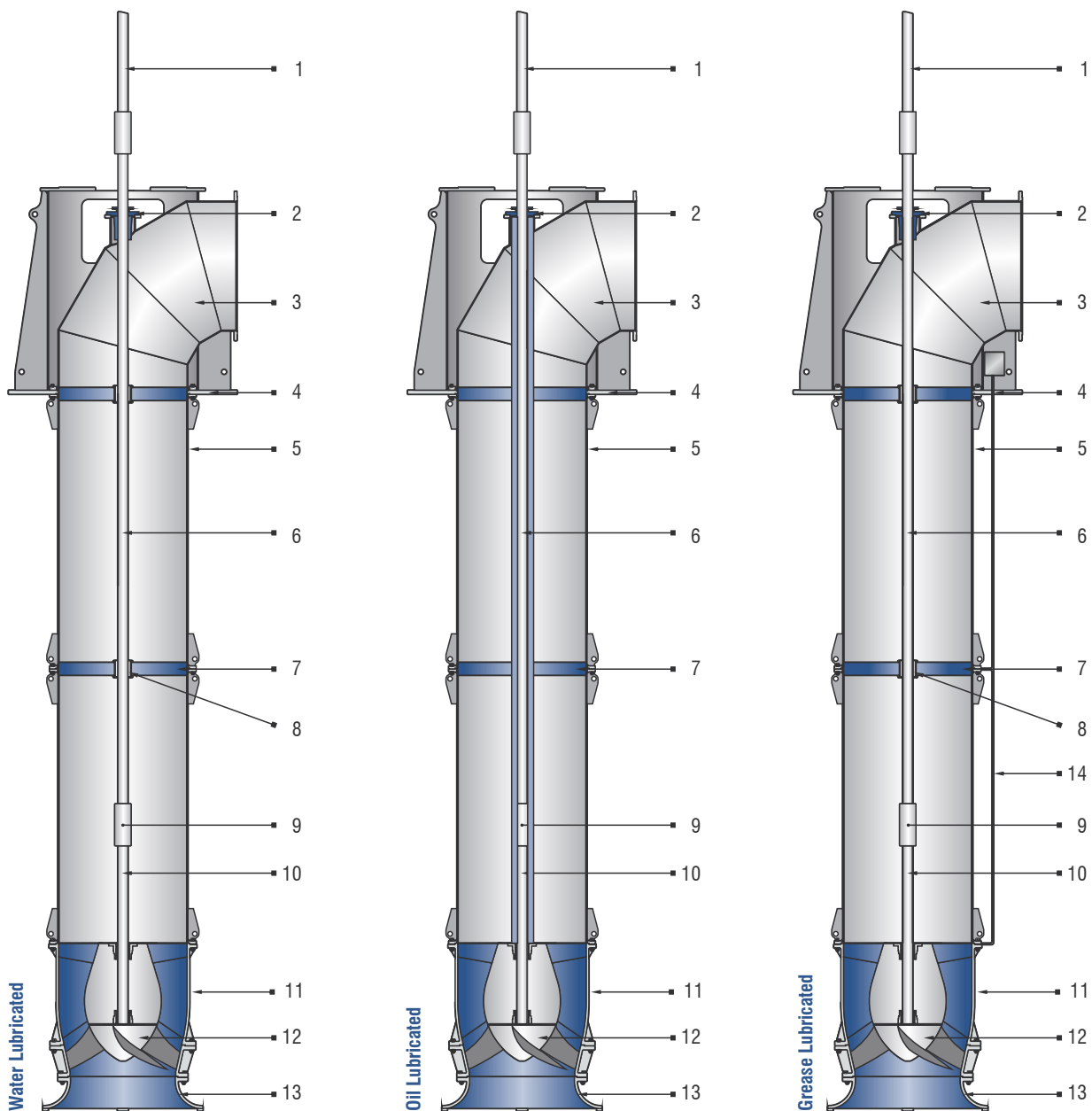


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Vertical Turbine Pumps Lubricated Varieties



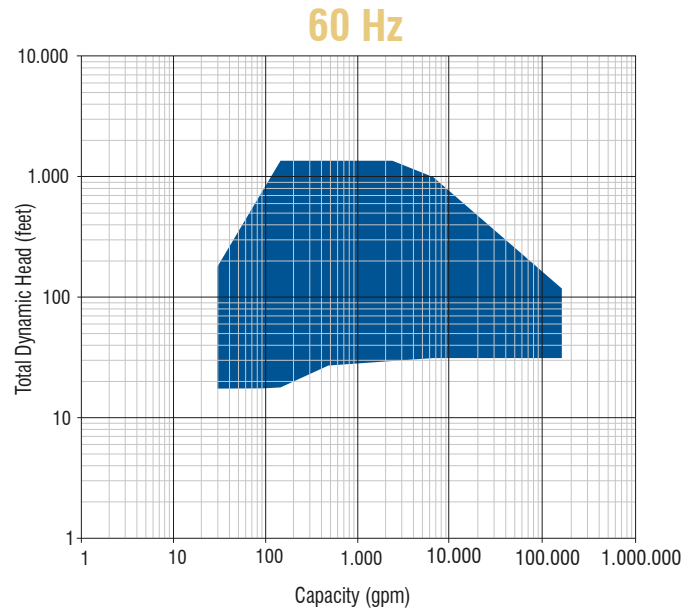
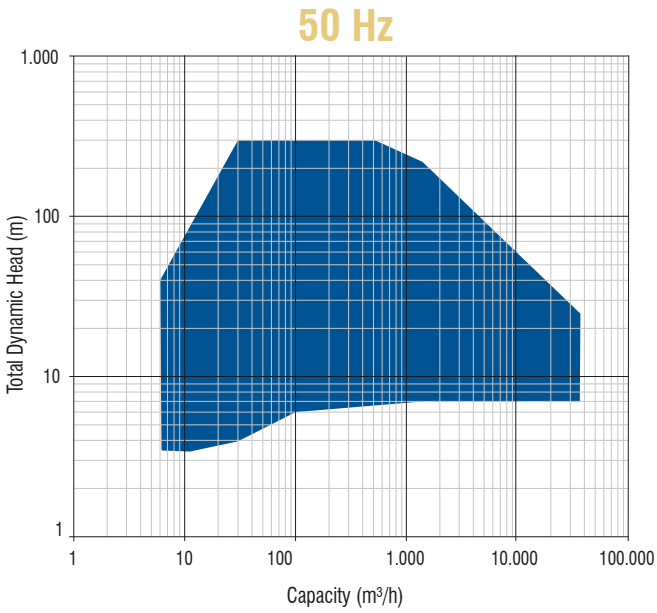
Part List For Standard Application

N°.	DESCRIPTION	MATERIAL
1	Head Shaft	AISI 420
2	Stuffing Box	ASTM A48
3	Discharge Elbow	ASTM A48 / Steel construction
4	Base Plate	ASTM A48 / Steel construction
5	Column Pipe	Steel construction
6	Line Shaft	AISI 420 / AISI 316
7	Bearing Retainer	ASTM A48

N°.	DESCRIPTION	MATERIAL
8	Bearing	Lastik / SAE 63
9	Shaft Coupling	AISI 420 / AISI 316
10	Pump Shaft	AISI 420 / AISI 316
11	Diffuser	ASTM A48
12	Impeller	ASTM A48 / SAE 63 / AISI 316
13	Suction Bell	ASTM A48
14	Grease Tube	AISI 316

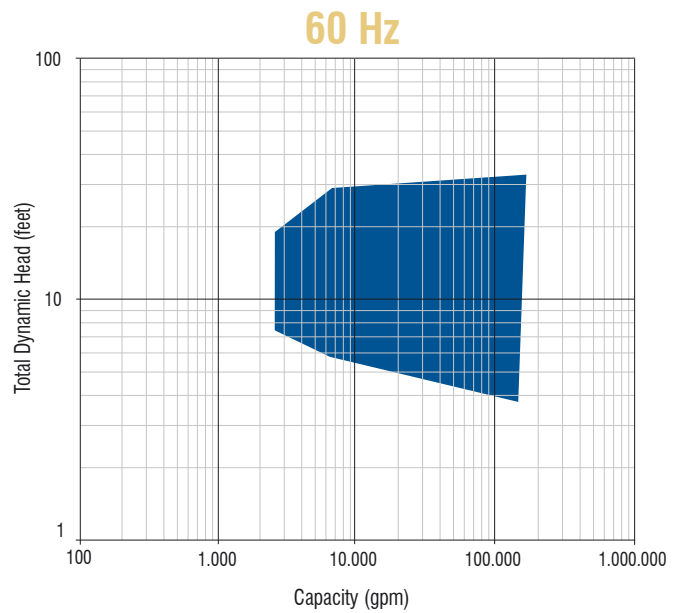
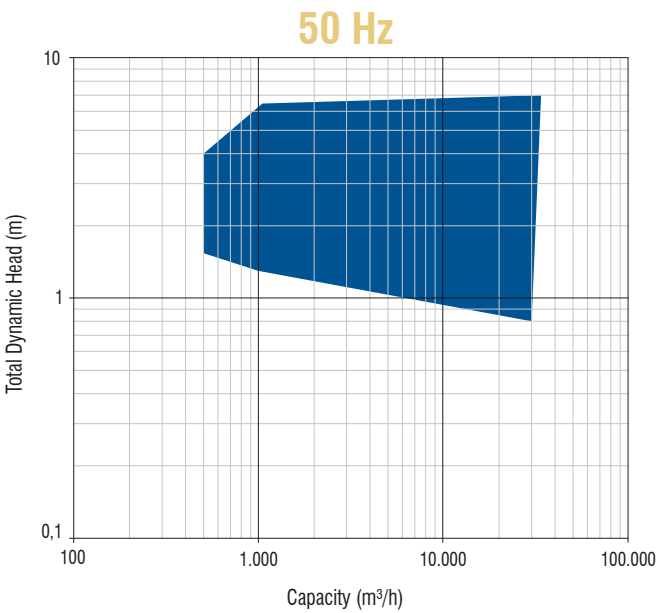
Different material options available. ⓘ

Mixed Flow Vertical Turbine Pumps Performance Range



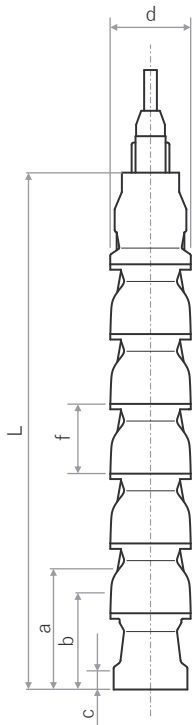
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Axial Flow Vertical Turbine Pumps Performance Range



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Technical Specifications



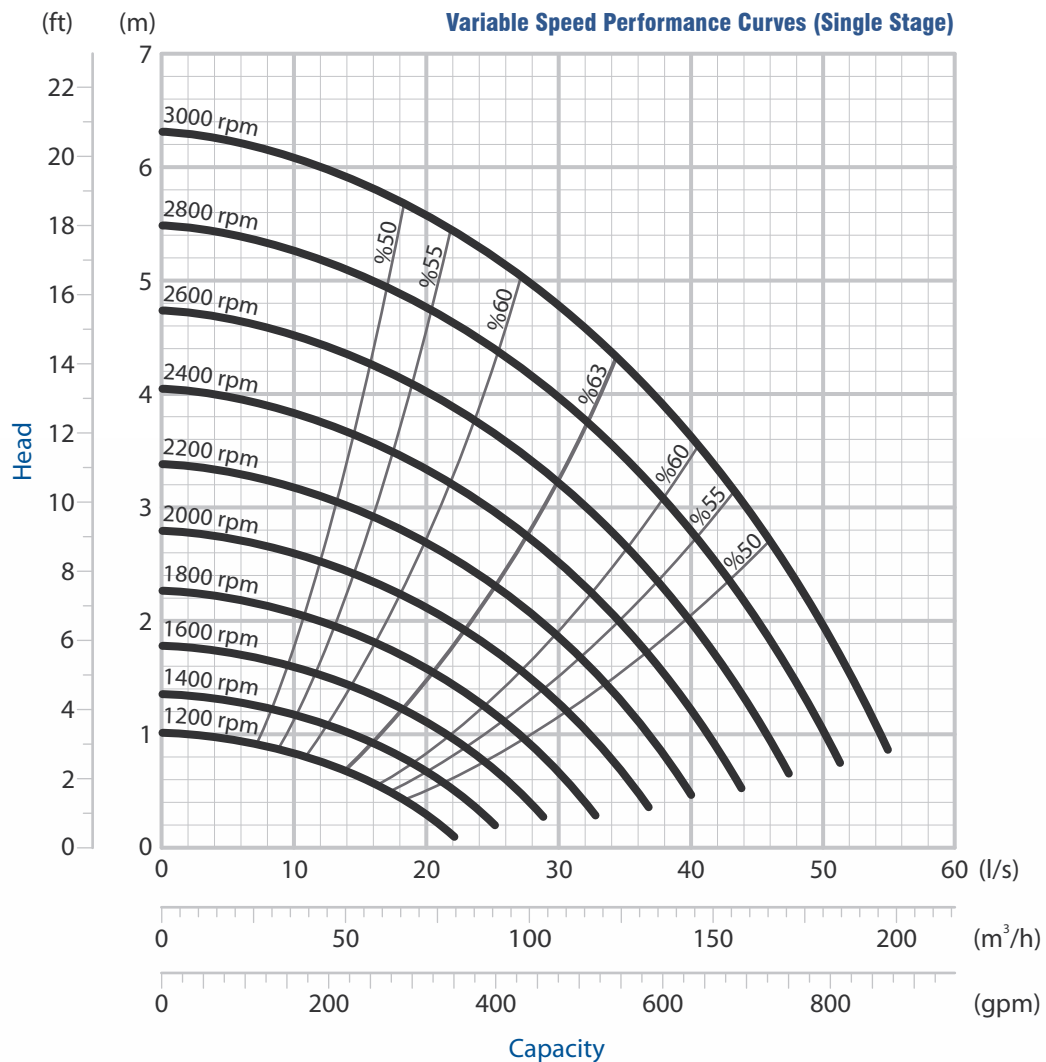
Material

- Impellers** : Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

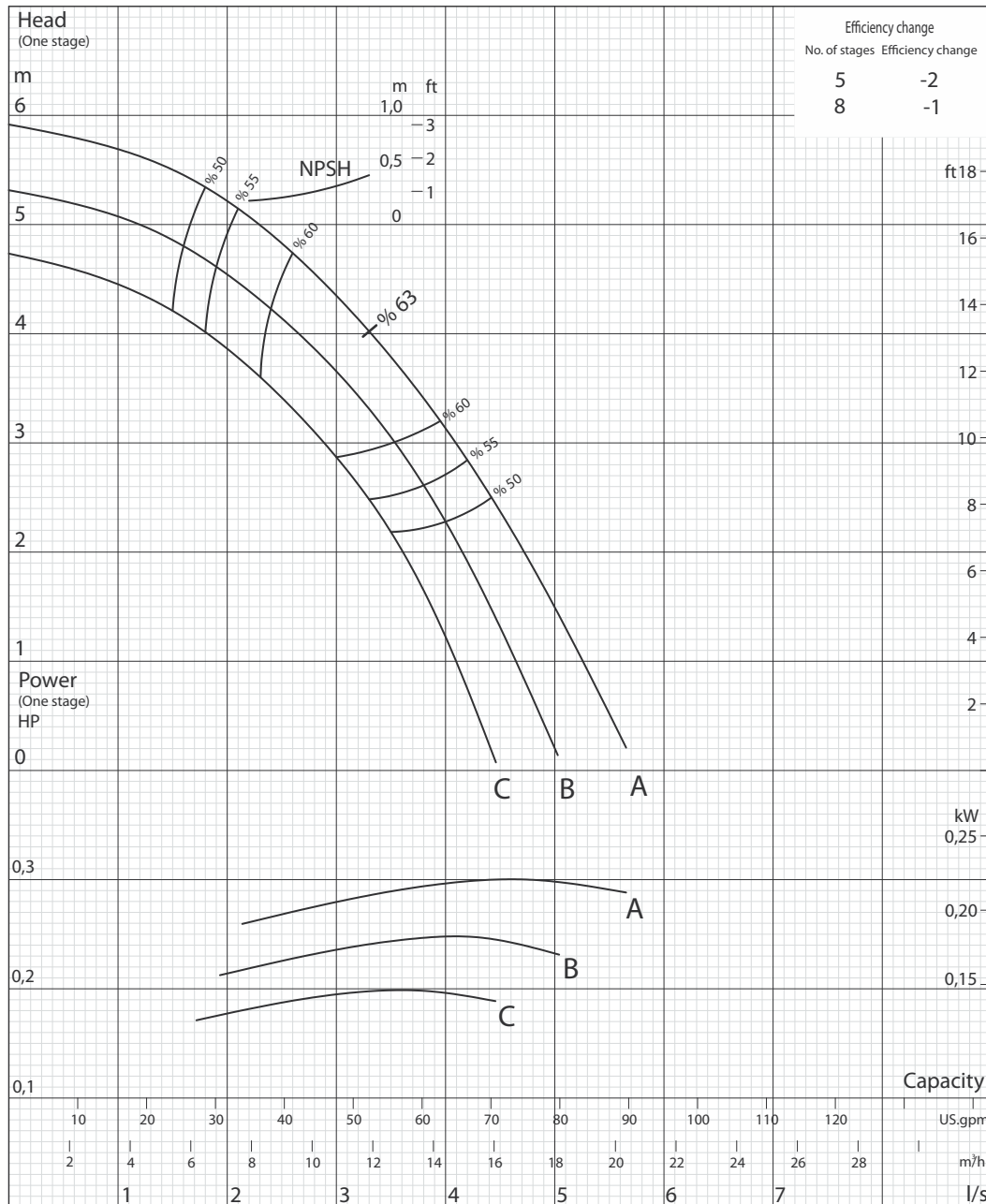
Dimensions

- (a) Minimum required submergence : 177,8 mm
 - (b) Bottom of bearing hub to imp. eye : 101,6 mm
 - (c) Suction case thread engagement : 27 mm
 - (d) Bowl diameter : 92 mm
 - (e) Length one-stage assembly : 270 mm
 - (f) Additional stage length : 76,2 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



2900 rpm

Performance Curves (Single Stage)



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VTP 0434

No. of vanes
7

Thrust constant (K)
2,526 Kg/m

Pump outside diameter
92 mm

Max. number of stages
40

Rotation
CCW

Revolution
2900 rpm

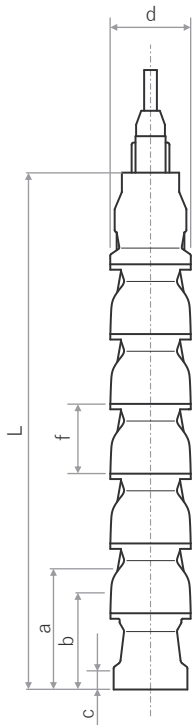
Shaft diameter
15,875 mm

WR²
0,000197 kg.m²

Efficiency deduction no of stages → deduct (%)
5 → %-2 | 8 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



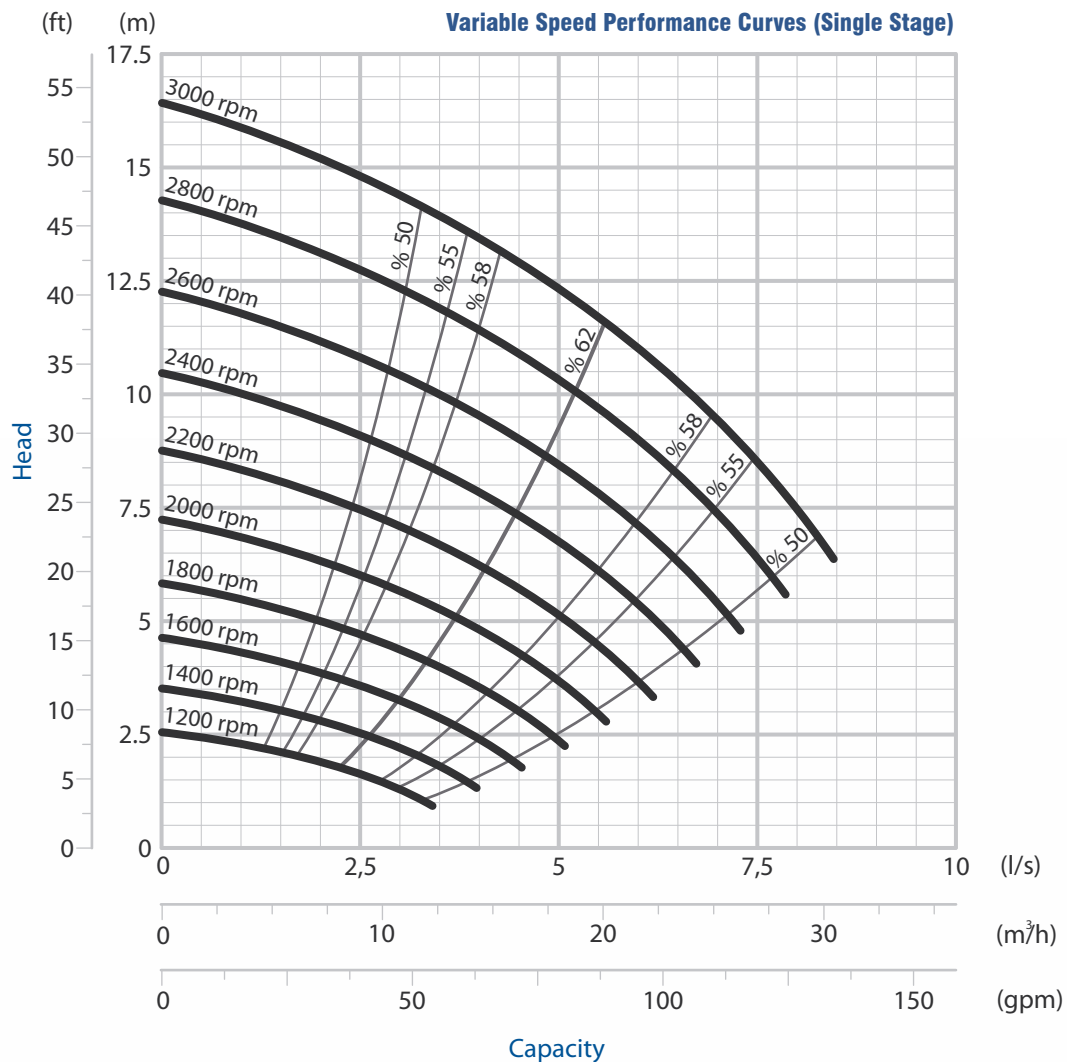
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

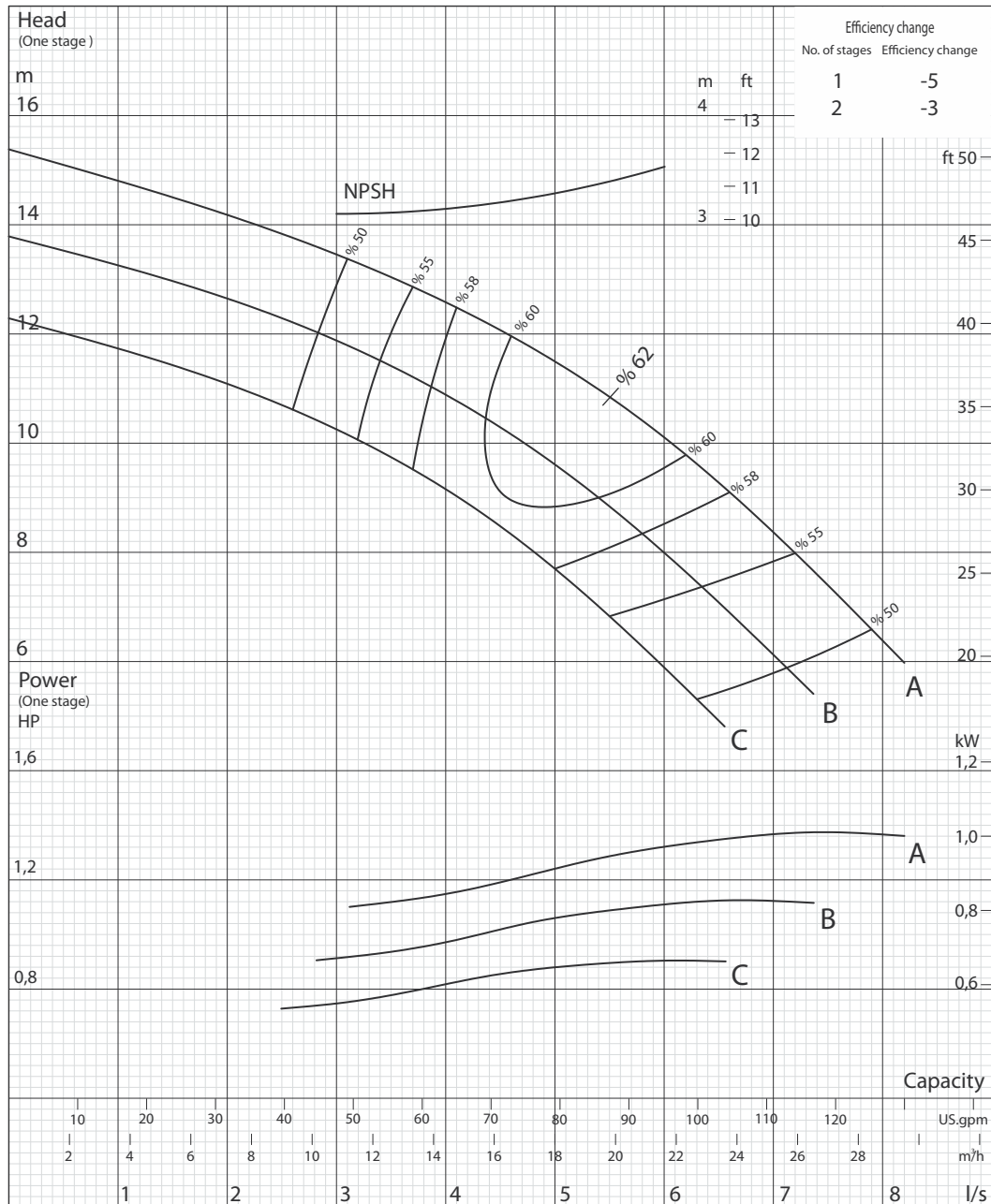
Dimensions

- (a) Minimum required submergence : 266,7 mm
 - (b) Bottom of bearing hub to imp.eye : 165,1 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 141 mm
 - (e) Length one-stage assembly : 289 mm
 - (f) Additional stage length : 89 mm
- (L) Pump length: e + (no. of stages -1) x f



2900 rpm

Performance Curves (Single Stage)



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VTP 0613

No. of vanes
6

Thrust constant (K)
4,832 Kg/m

Pump outside diameter
141 mm

Max. number of stages
40

Rotation
CCW

Revolution
2900 rpm

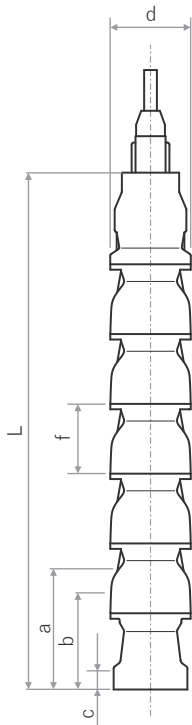
Shaft diameter
25,4 mm

WR²
0,00132 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-5 | 2 → %-3

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



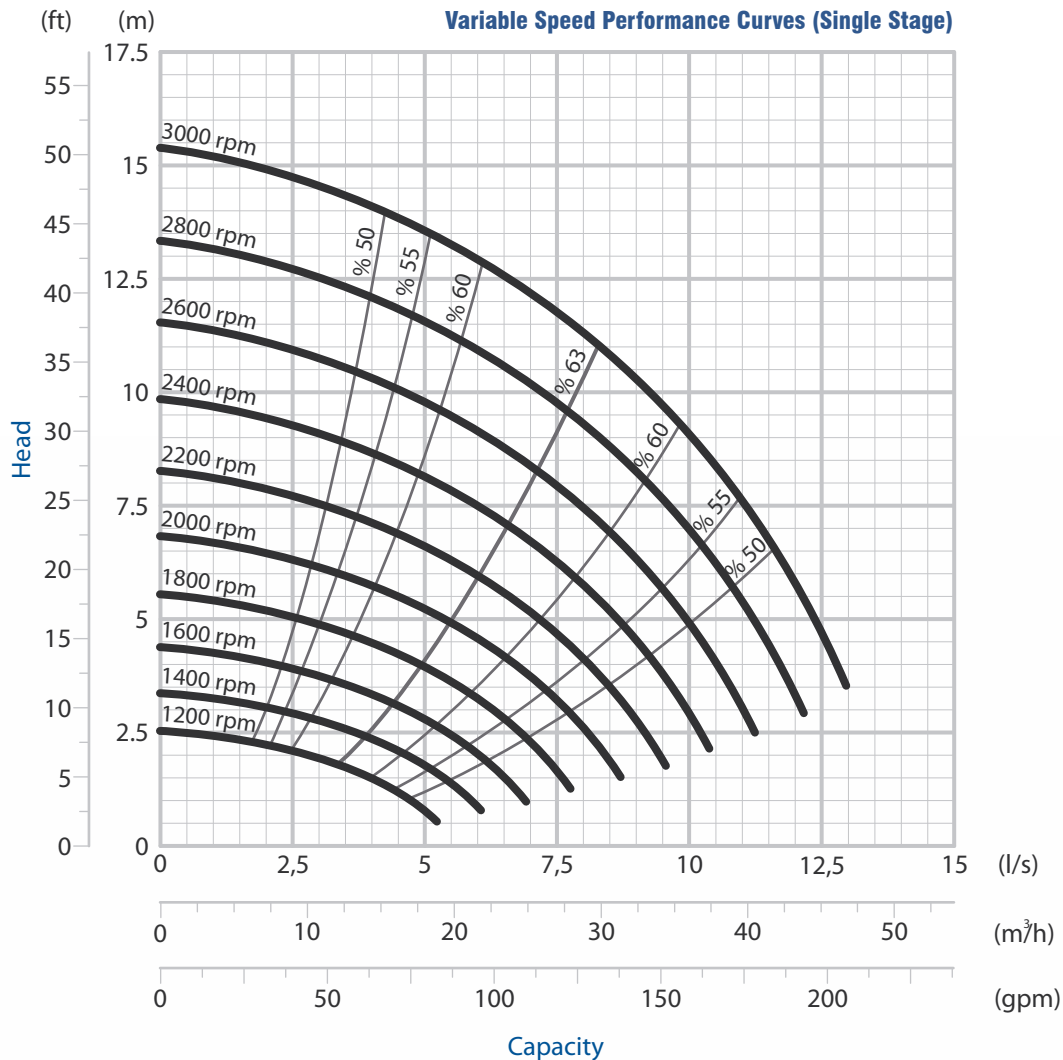
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

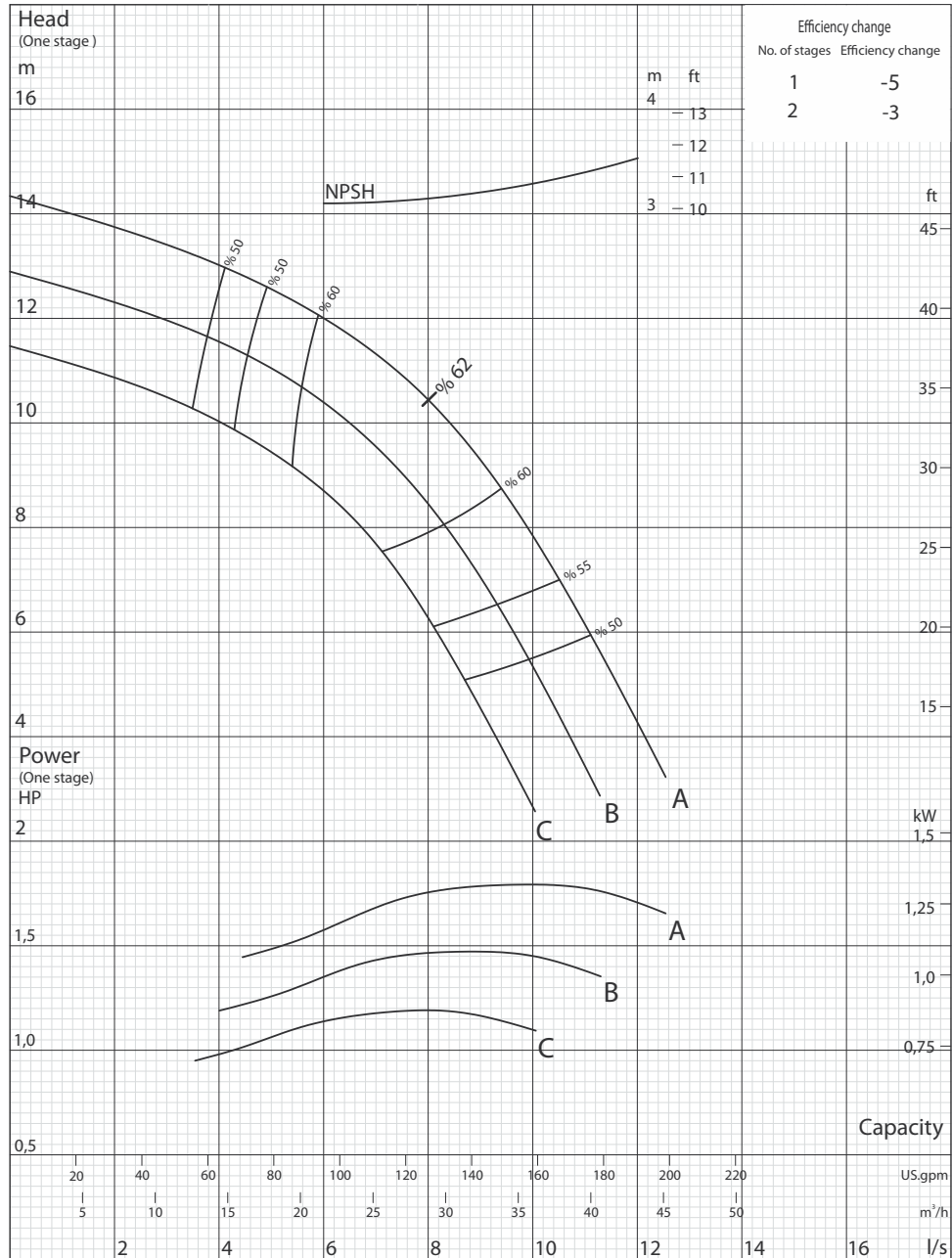
Dimensions

- (a) Minimum required submergence : 266,7 mm
 - (b) Bottom of bearing hub to imp. eye : 165,1 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 141 mm
 - (e) Length one-stage assembly : 289 mm
 - (f) Additional stage length : 89 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



2900 rpm

Performance Curves (Single Stage)



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VTP 0614

No. of vanes
8

Thrust constant (K)
4,832 Kg/m

Pump outside diameter
141 mm

Max. number of stages
40

Rotation
CCW

Revolution
2900 rpm

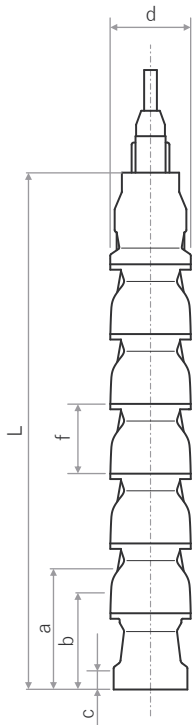
Shaft diameter
25,4 mm

WR²
0,00132 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-5 | 2 → %-3

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



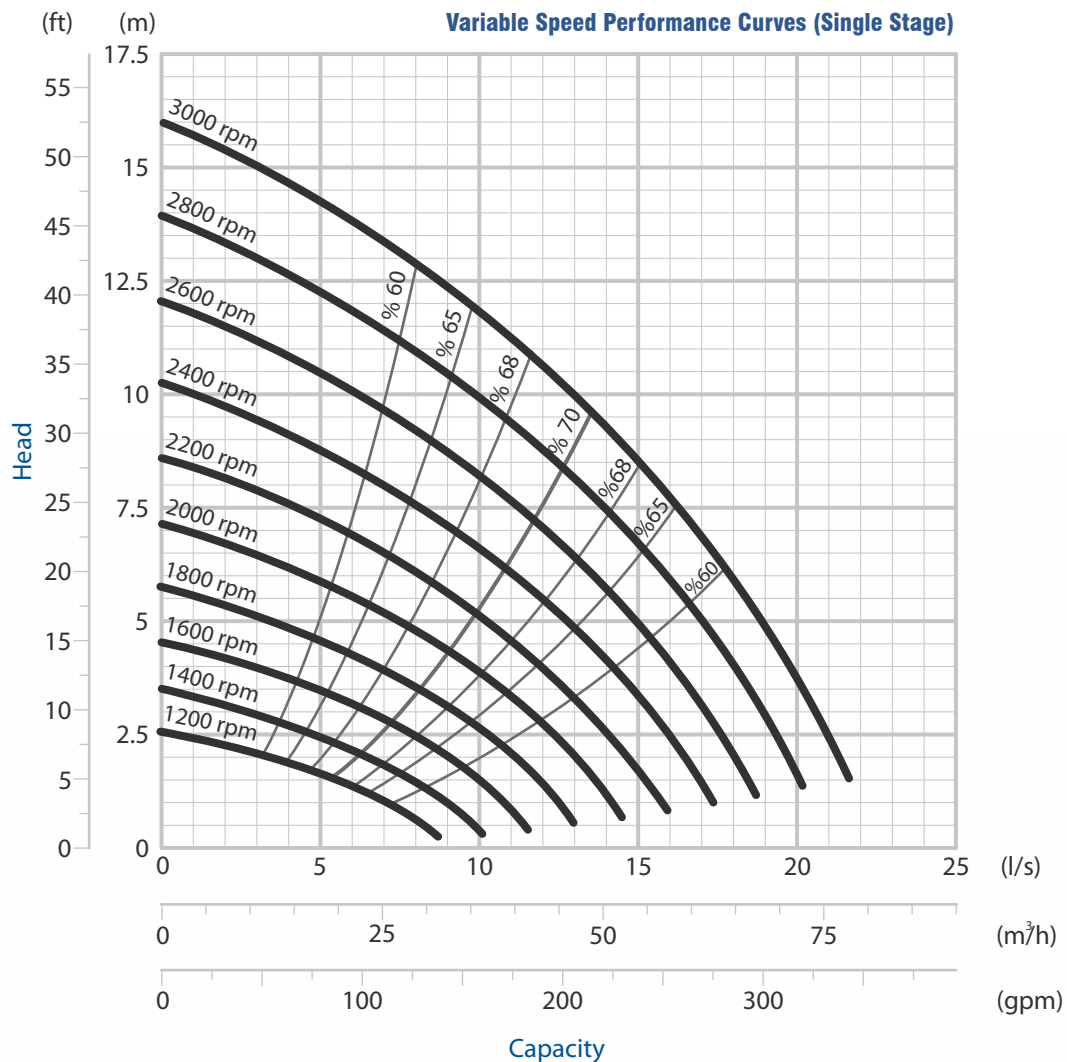
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

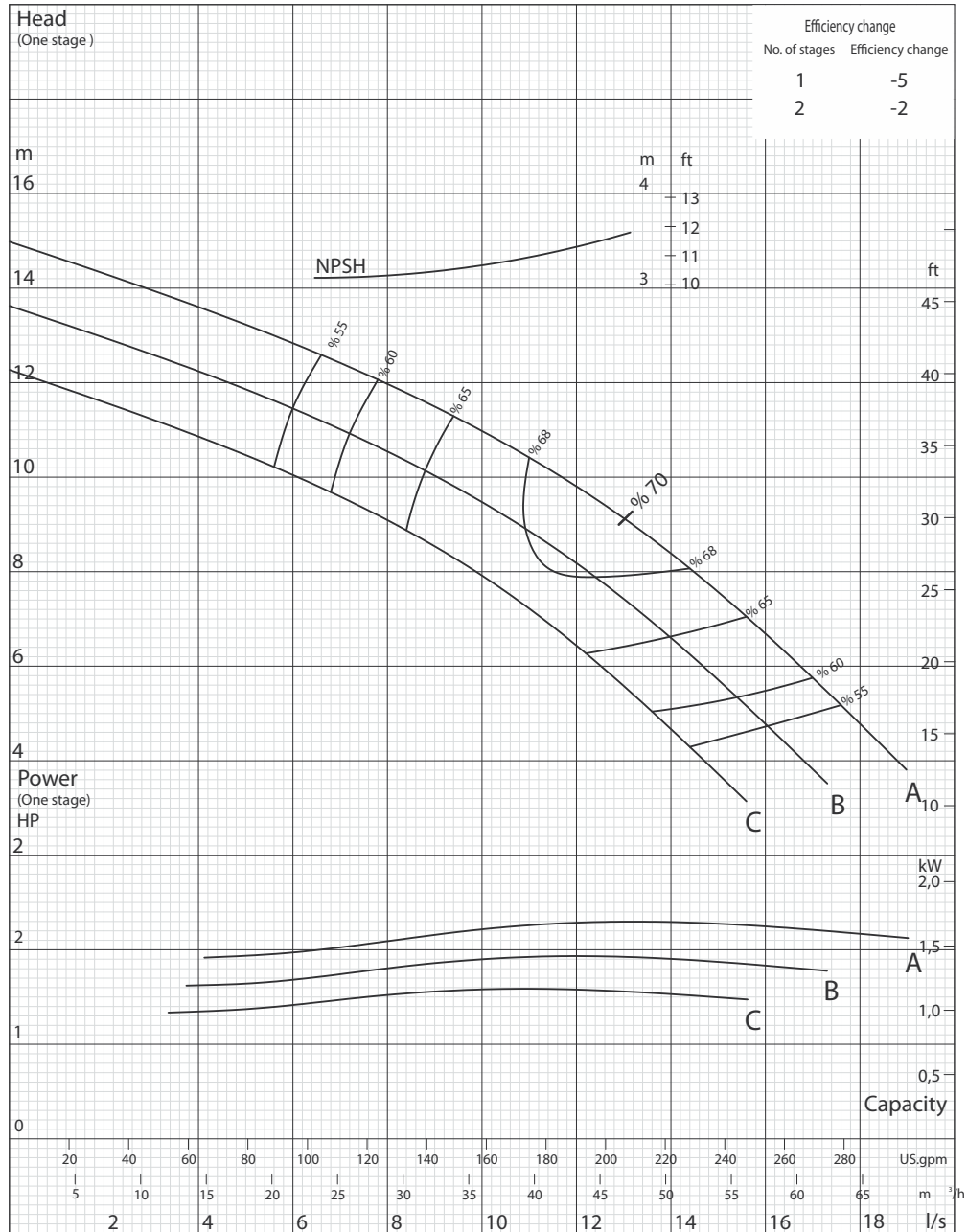
Dimensions

- (a) Minimum required submergence : 330 mm
 - (b) Bottom of bearing hub to imp.eye : 177,8 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 144 mm
 - (e) Length one-stage assembly : 435 mm
 - (f) Additional stage length : 130 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



2900 rpm

Performance Curves (Single Stage)



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VTP 0632

No. of vanes
4

Thrust constant (K)
4,666 Kg/m

Pump outside diameter
144 mm

Max. number of stages
30

Rotation
CCW

Revolution
2900 rpm

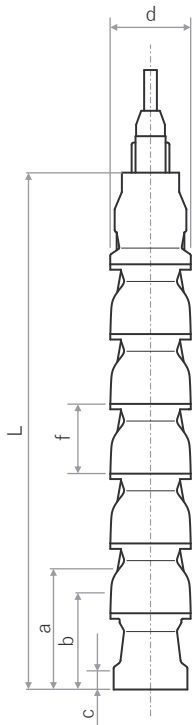
Shaft diameter
25,4 mm

WR²
0,0018 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-5 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



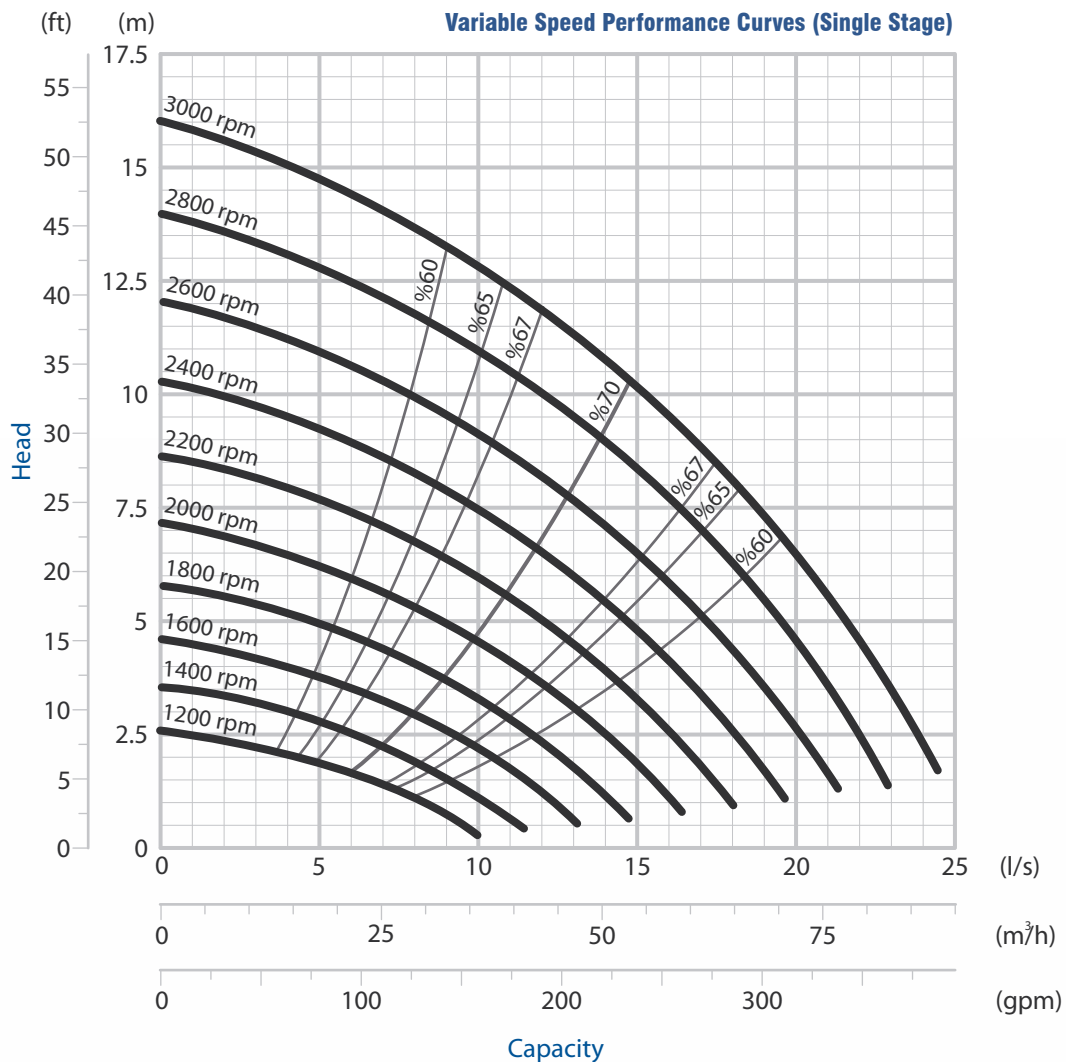
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

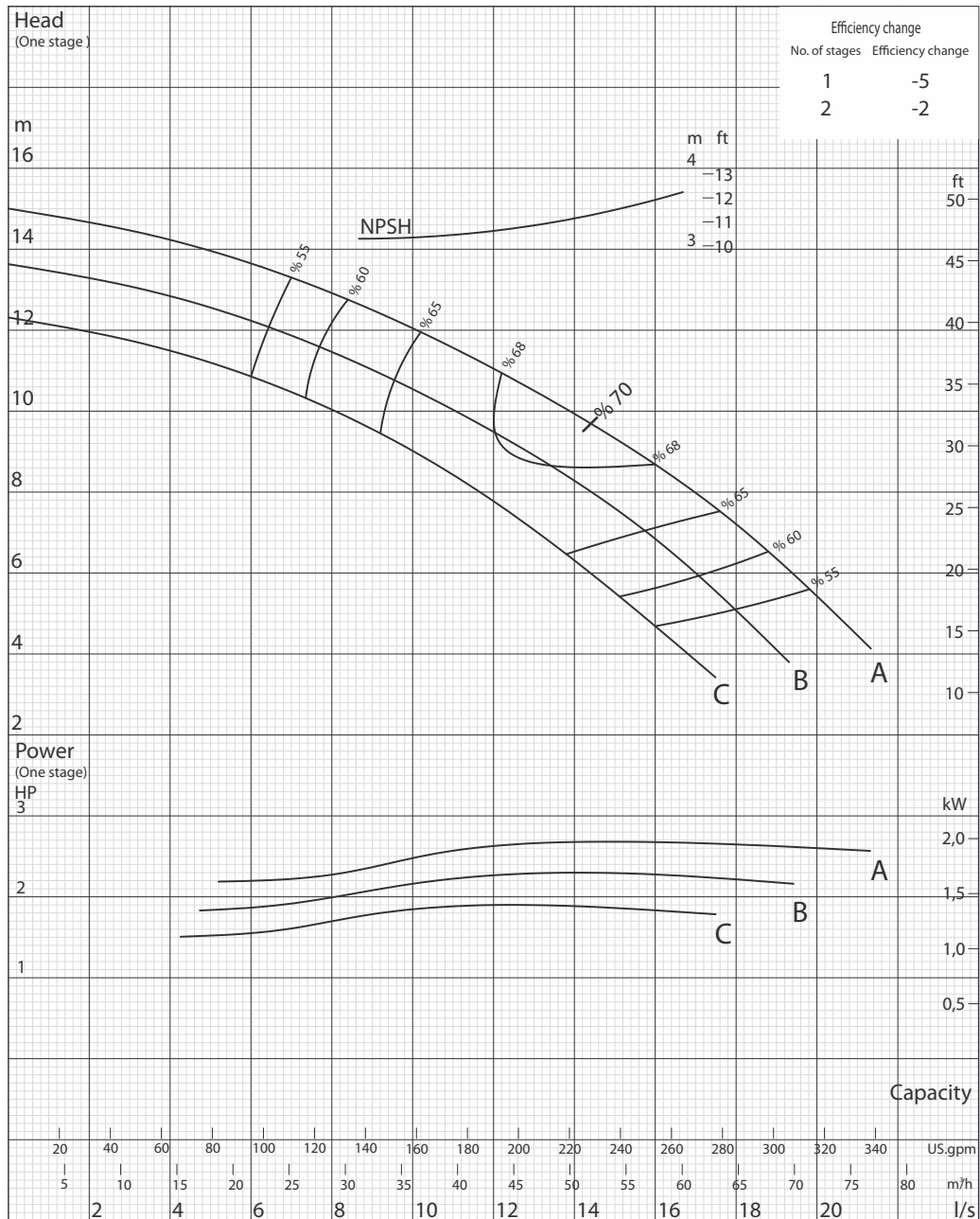
Dimensions

- (a) Minimum required submergence : 330 mm
 - (b) Bottom of bearing hub to imp.eye : 177,8 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 144 mm
 - (e) Length one-stage assembly : 435 mm
 - (f) Additional stage length : 130 mm
- (L) Pump length: e + (no. of stages -1) x f



2900 rpm

Performance Curves (Single Stage)



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VTP 0633

No. of vanes
5

Thrust constant (K)
4,666 Kg/m

Pump outside diameter
144 mm

Max. number of stages
30

Rotation
CCW

Revolution
2900 rpm

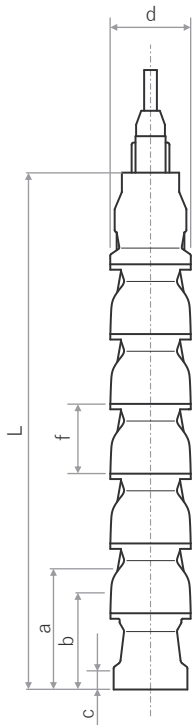
Shaft diameter
25,4 mm

WR²
0,0018 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-5 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



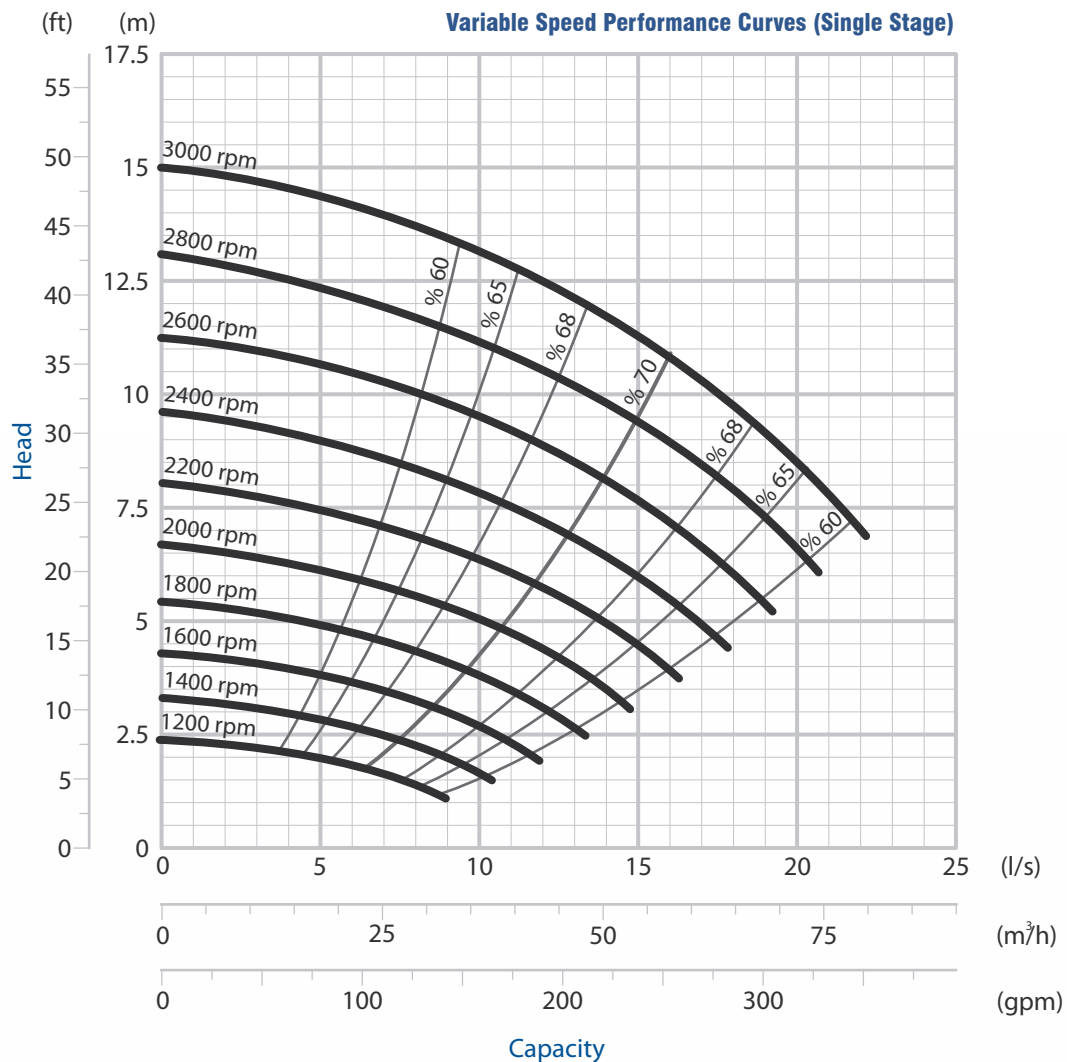
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

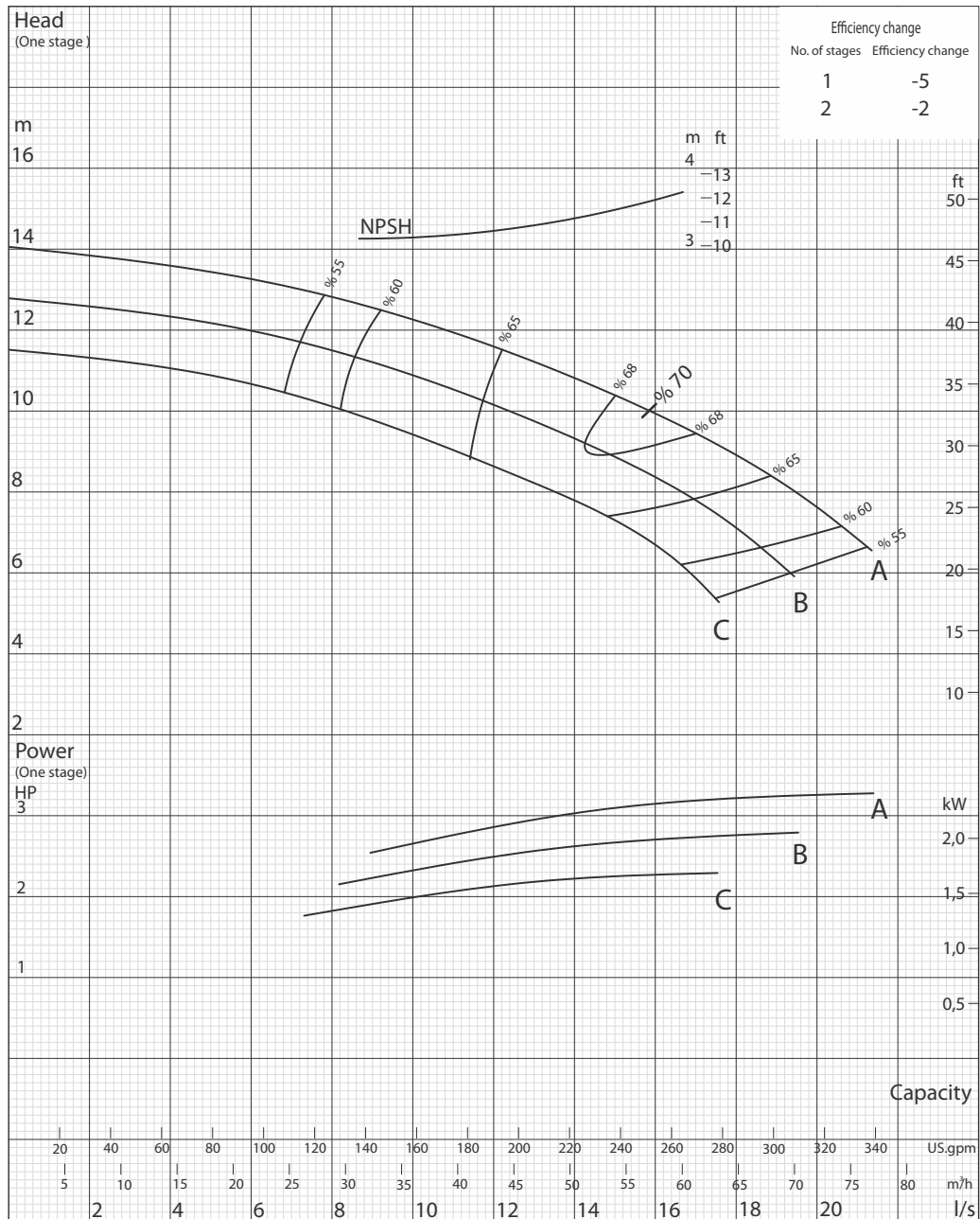
Dimensions

- (a) Minimum required submergence : 330 mm
 - (b) Bottom of bearing hub to imp.eye : 177,8 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 144 mm
 - (e) Length one-stage assembly : 435 mm
 - (f) Additional stage length : 130 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



2900 rpm

Performance Curves (Single Stage)



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VTP 0634

No. of vanes
7

Thrust constant (K)
4,666 Kg/m

Pump outside diameter
144 mm

Max. number of stages
30

Rotation
CCW

Revolution
2900 rpm

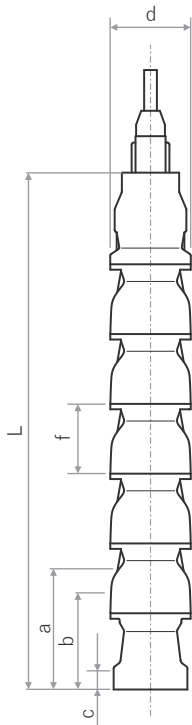
Shaft diameter
25,4 mm

WR²
0,0018 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-5 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



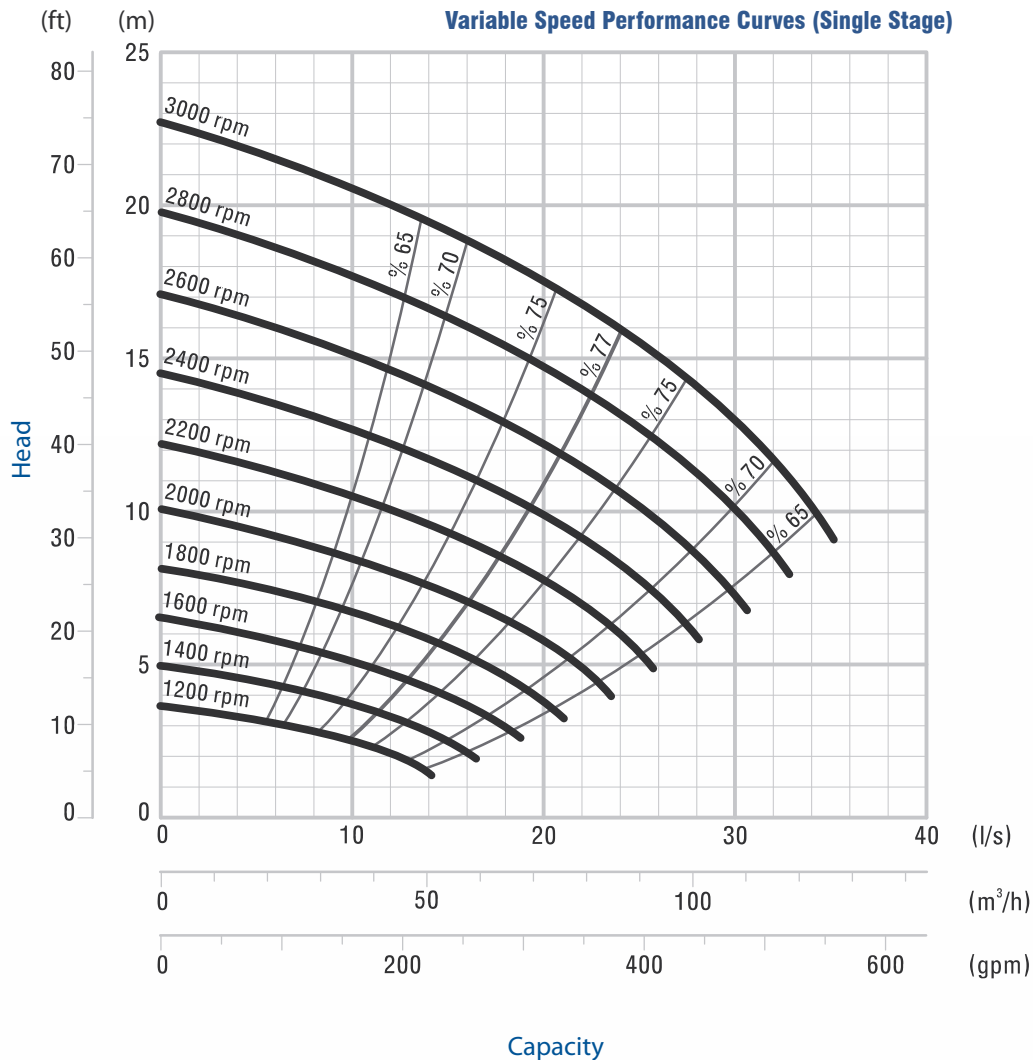
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

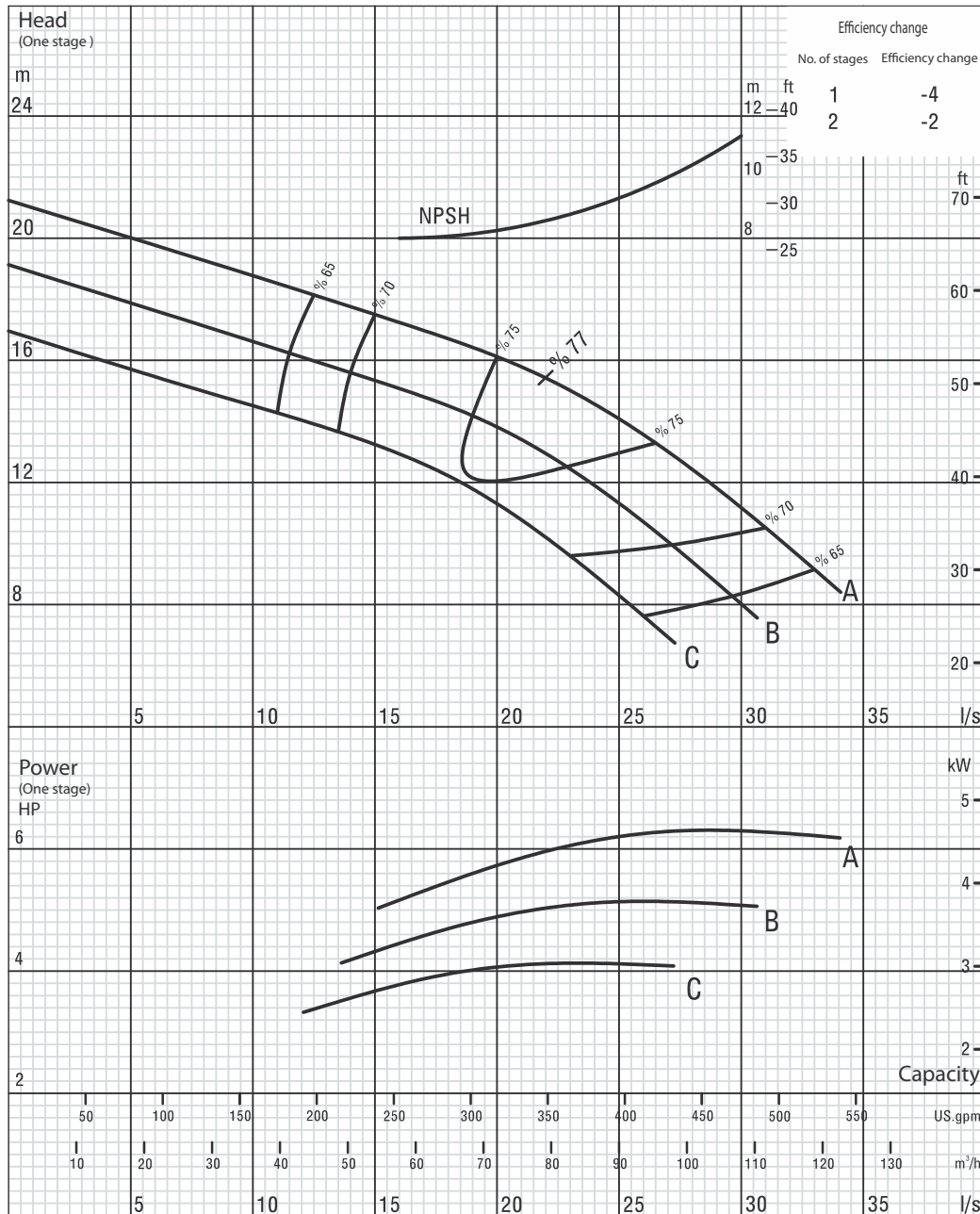
Dimensions

- (a) Minimum required submergence : 300 mm
 - (b) Bottom of bearing hub to imp.eye : 178 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 165 mm
 - (e) Length one-stage assembly : 517 mm
 - (f) Additional stage length : 125 mm
- (L) Pump length: e + (no. of stages -1) x f



2900 rpm

Performance Curves (Single Stage)



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VTP 073

No. of vanes
6

Thrust constant (K)
Kg/m

Pump outside diameter
165 mm

Max. number of stages
30

Rotation
CCW

Revolution
2900 rpm

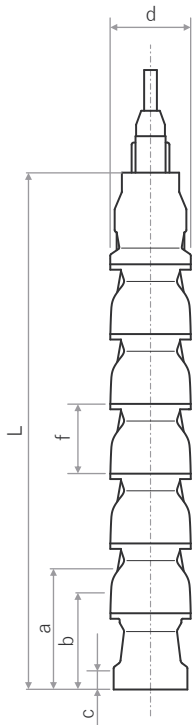
Shaft diameter
25,4 mm

WR²
kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



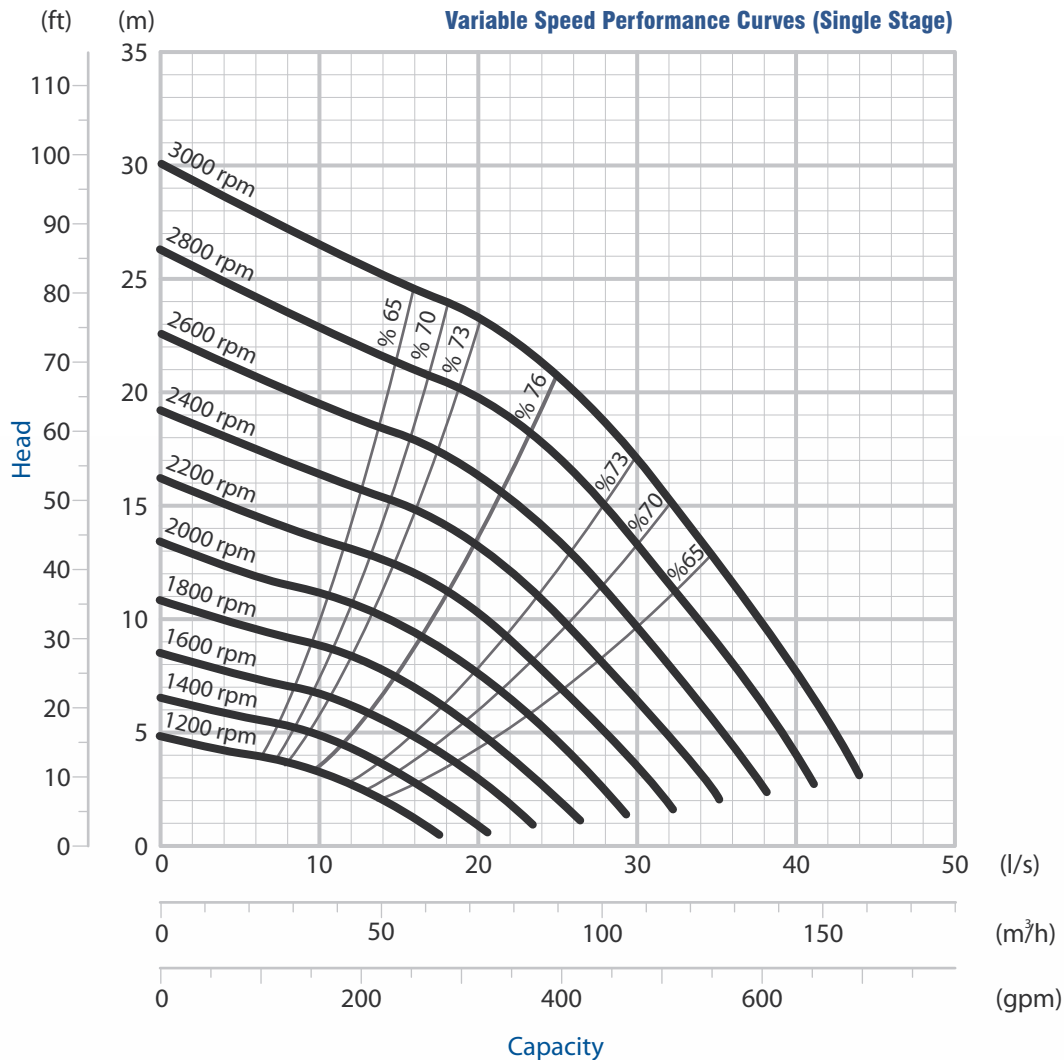
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

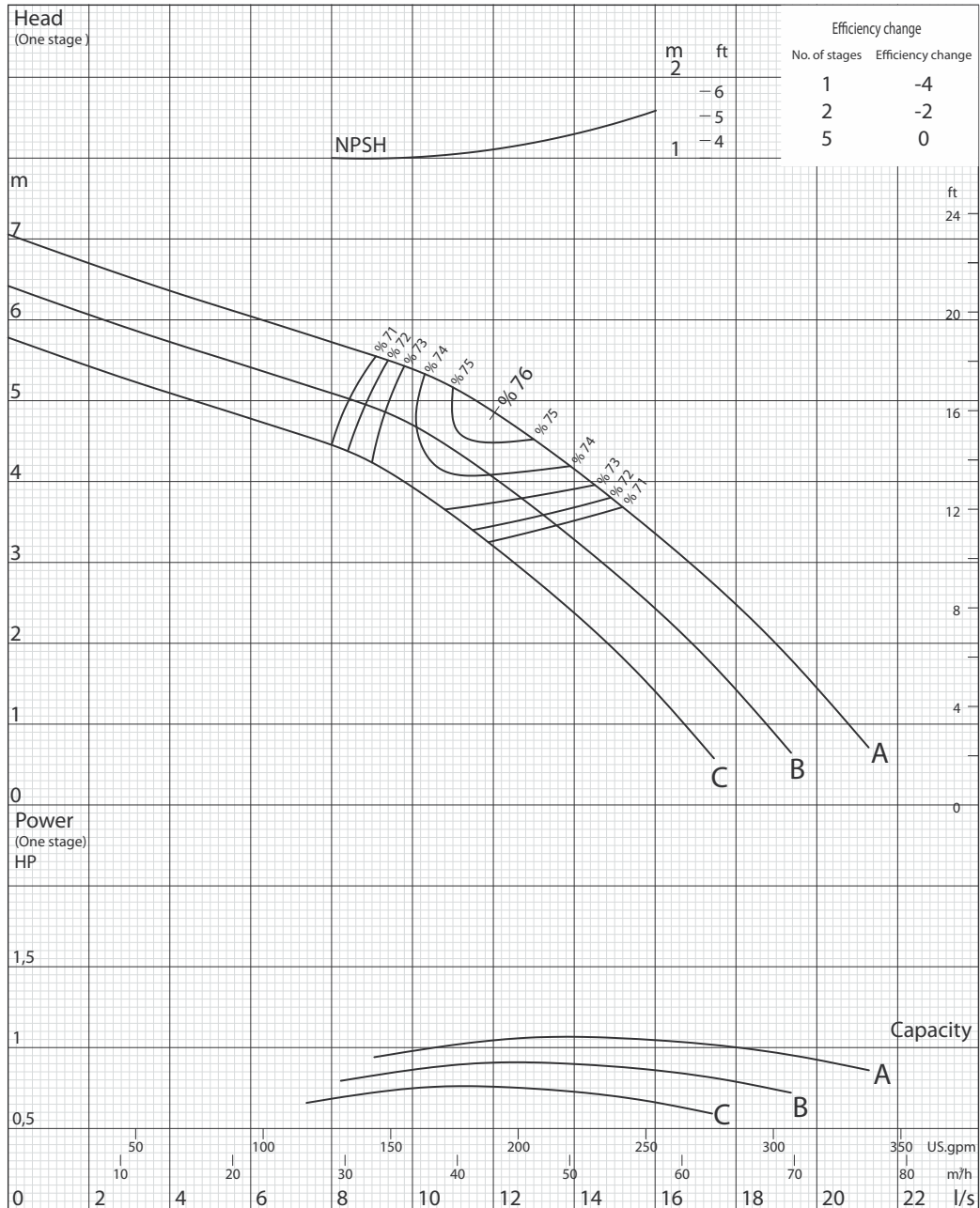
Dimensions

- (a) Minimum required submergence : 381 mm
 - (b) Bottom of bearing hub to imp. eye : 178 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 190 mm
 - (e) Length one-stage assembly : 561 mm
 - (f) Additional stage length : 165 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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VTP 0831

No. of vanes
6

Thrust constant (K)
7,832 Kg/m

Pump outside diameter
190 mm

Max. number of stages
35

Rotation
CCW

Revolution
1450 rpm

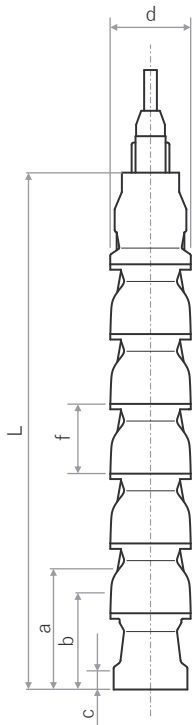
Shaft diameter
30,16 mm

WR²
0,0063 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



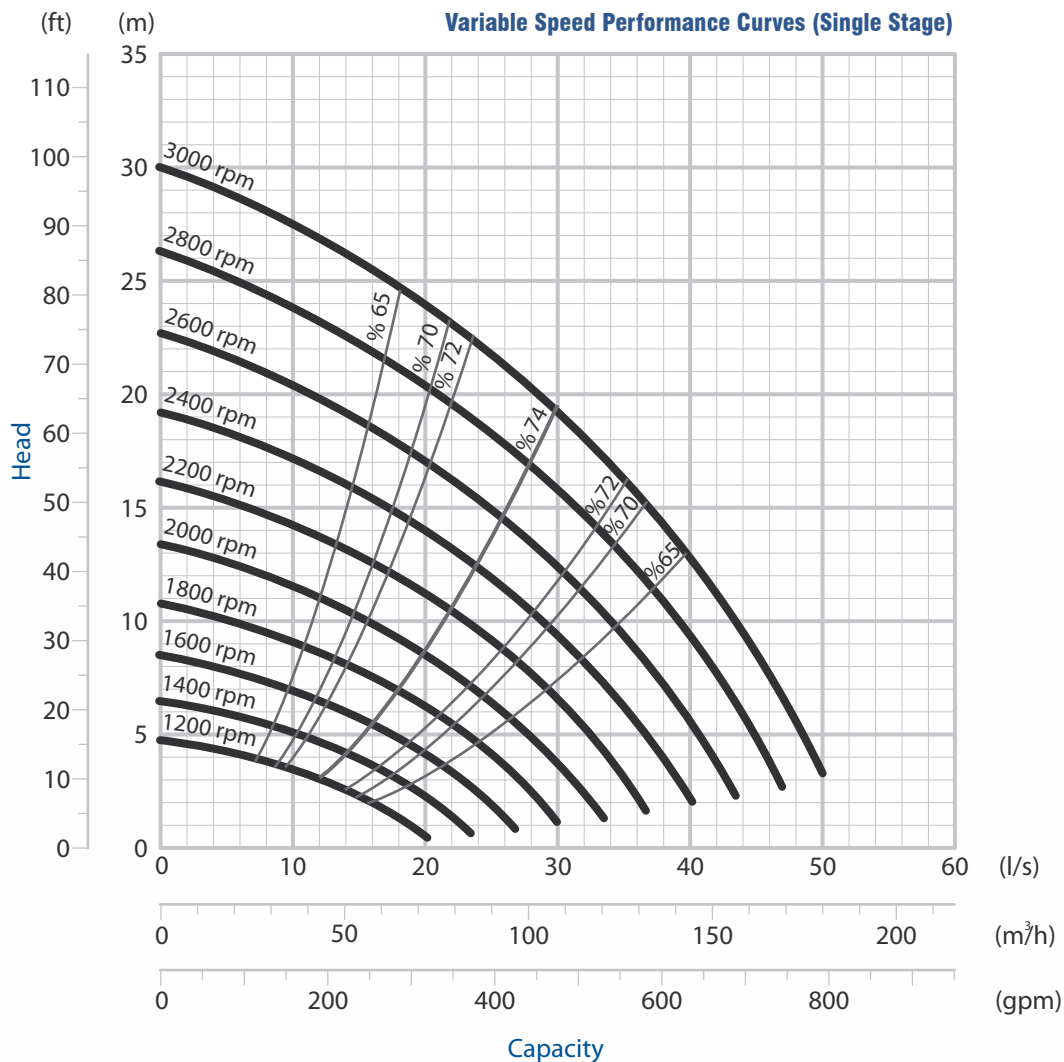
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

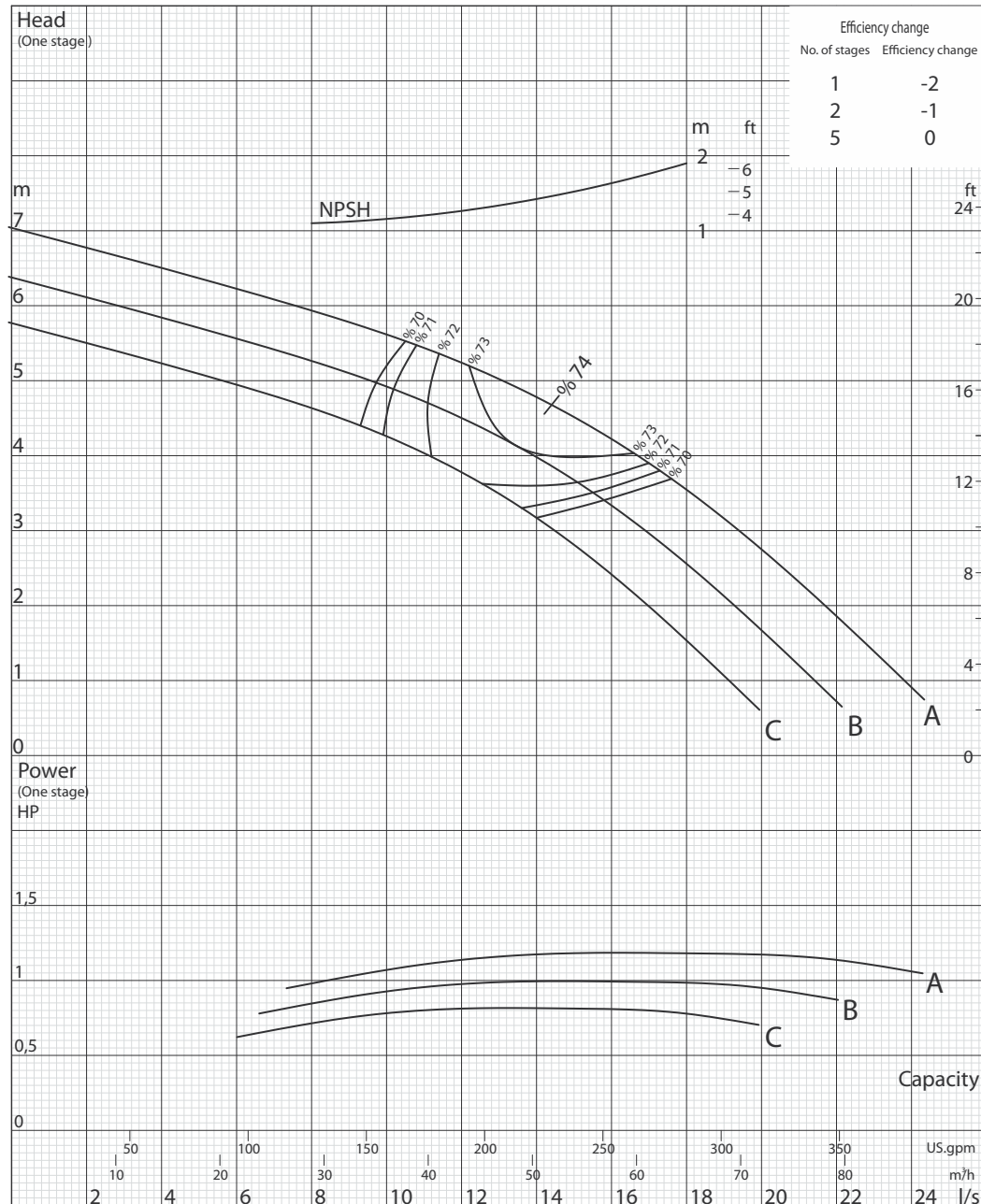
Dimensions

- (a) Minimum required submergence : 381 mm
 - (b) Bottom of bearing hub to imp. eye : 178 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 190 mm
 - (e) Length one-stage assembly : 561 mm
 - (f) Additional stage length : 165 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 0832

No. of vanes
5

Thrust constant (K)
11,295 Kg/m

Pump outside diameter
190 mm

Max. number of stages
30

Rotation
CCW

Revolution
1450 rpm

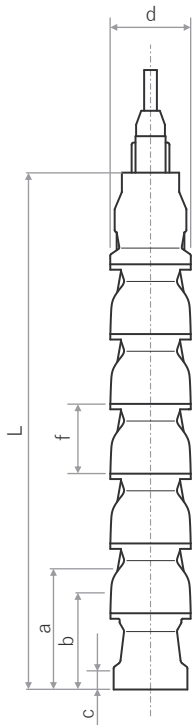
Shaft diameter
30,16 mm

WR²
0,0067 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 5 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



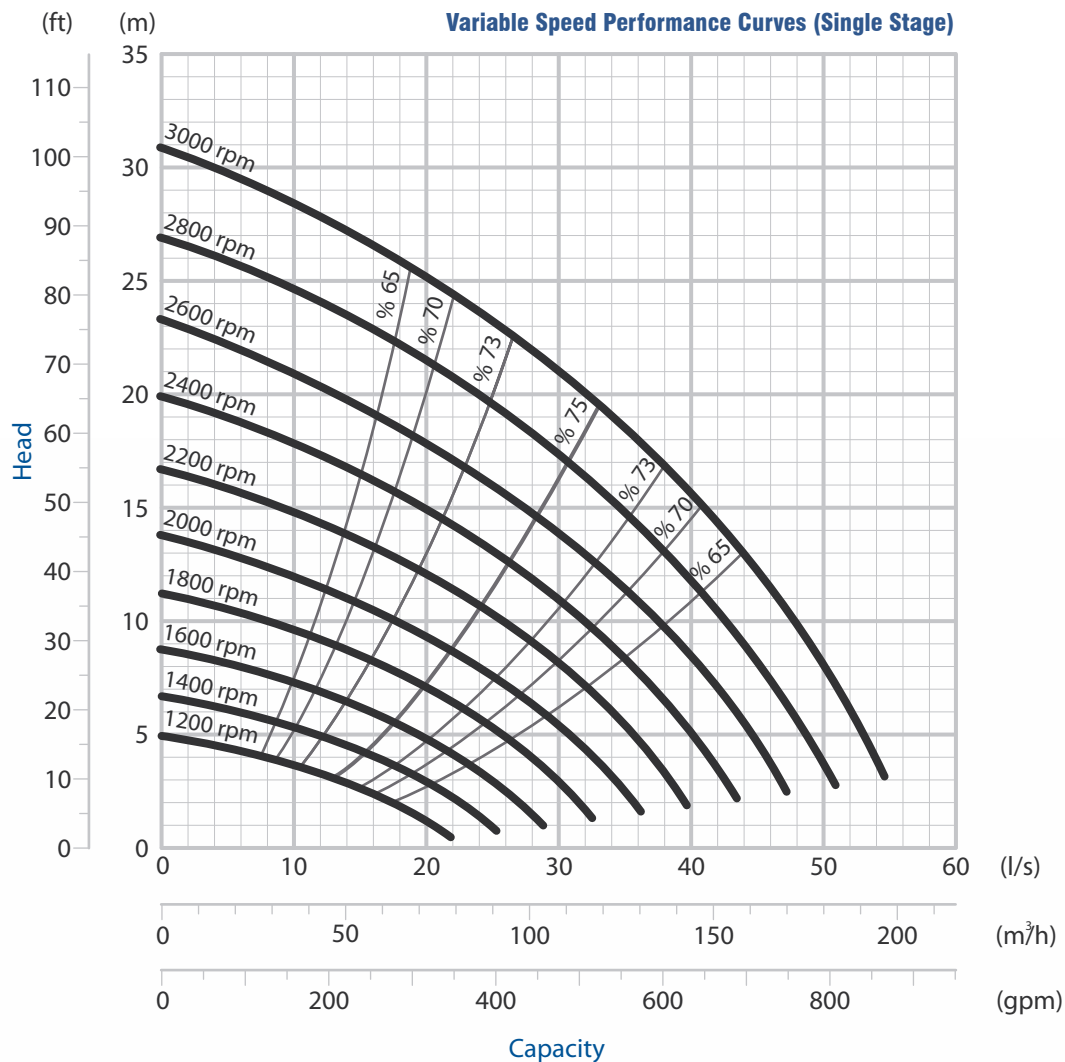
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

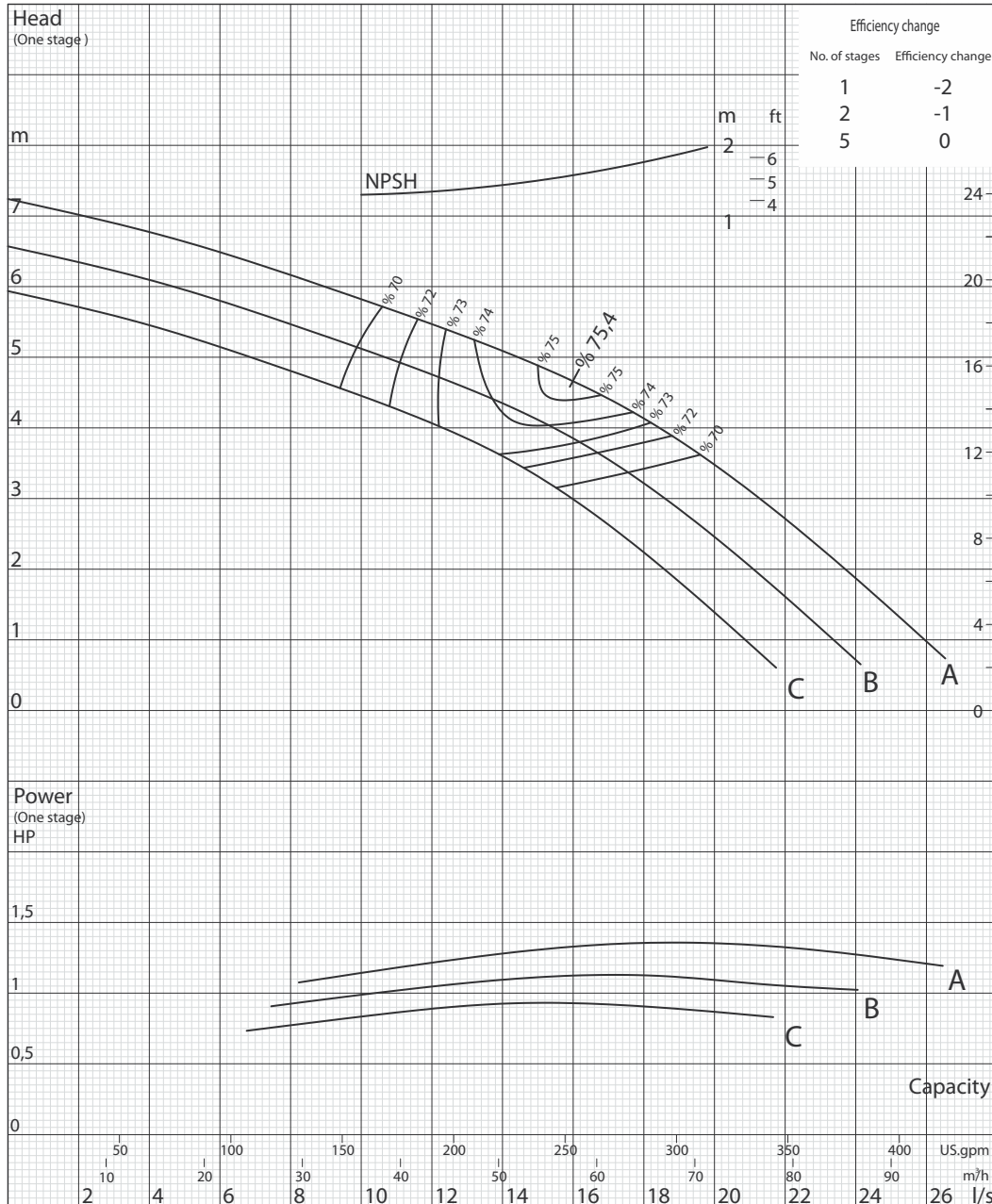
Dimensions

- (a) Minimum required submergence : 381 mm
 - (b) Bottom of bearing hub to imp.eye : 178 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 190 mm
 - (e) Length one-stage assembly : 561 mm
 - (f) Additional stage length : 165 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 0833

No. of vanes
6

Thrust constant (K)
11,295 Kg/m

Pump outside diameter
190 mm

Max. number of stages
30

Rotation
CCW

Revolution
1450 rpm

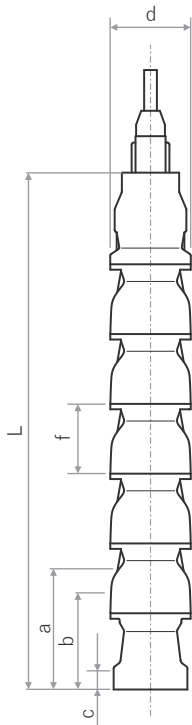
Shaft diameter
30,16 mm

WR²
0,0067 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 5 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



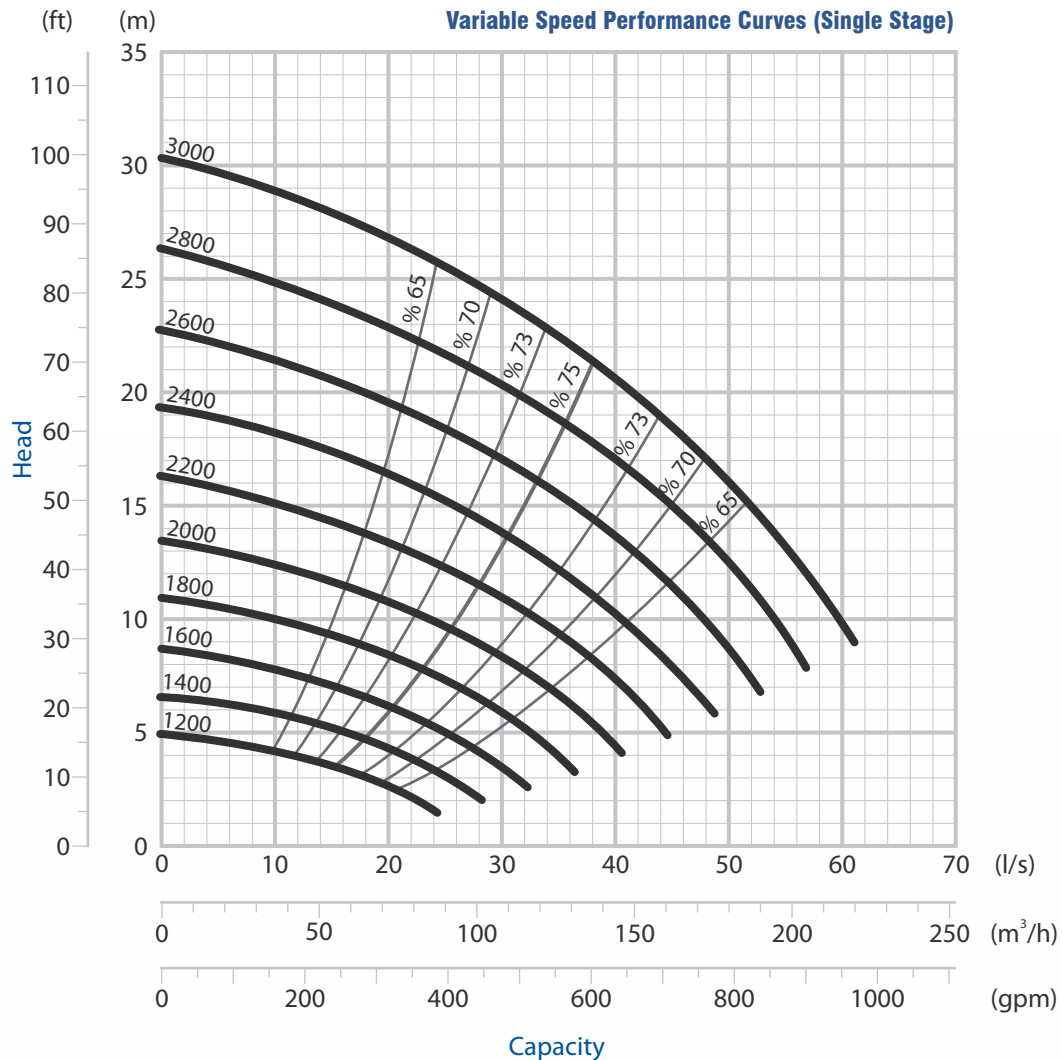
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

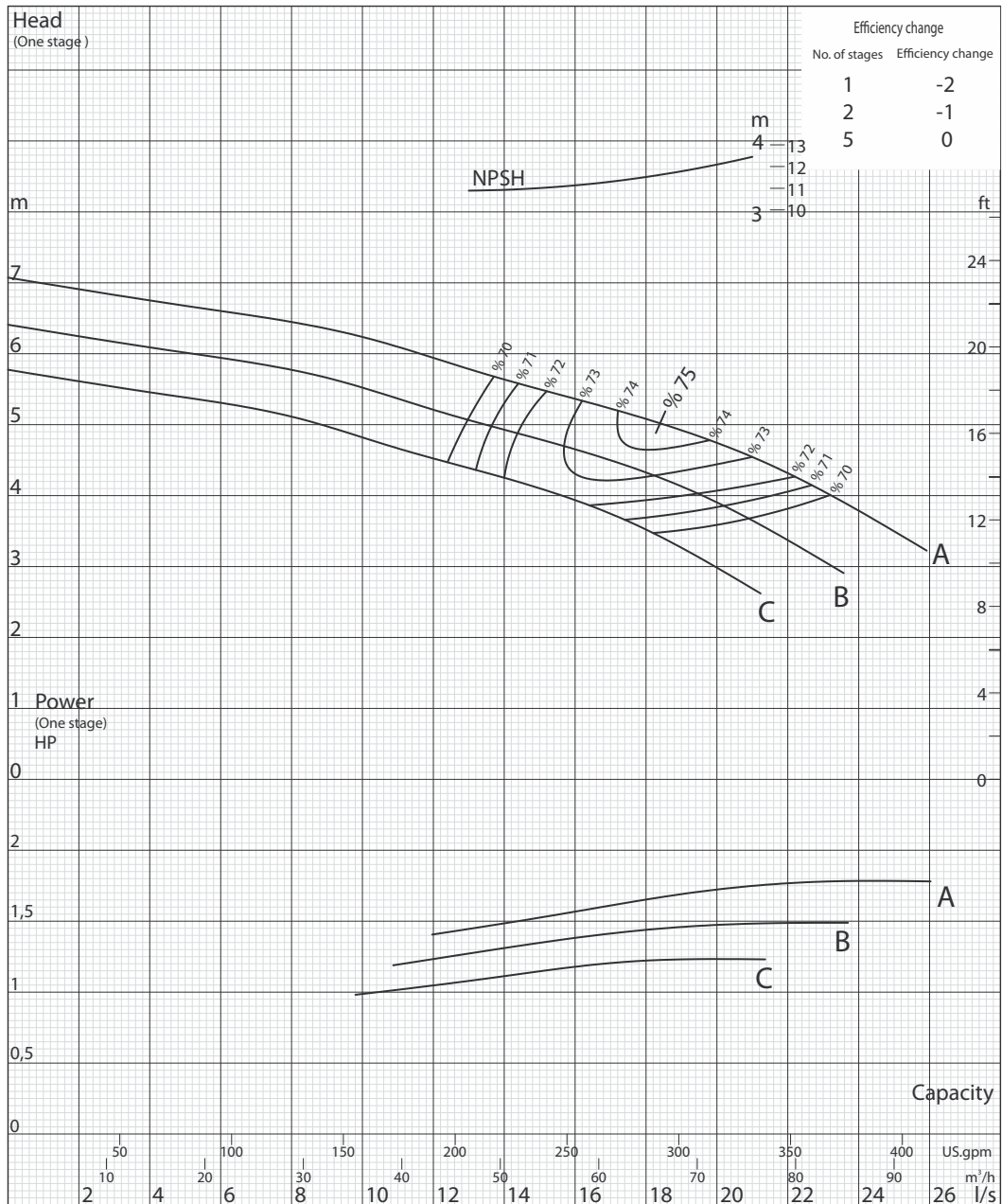
Dimensions

- (a) Minimum required submergence : 381 mm
 - (b) Bottom of bearing hub to imp.eye : 178 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 190 mm
 - (e) Length one-stage assembly : 561 mm
 - (f) Additional stage length : 165 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 0834

No. of vanes
8

Thrust constant (K)
11,295 Kg/m

Pump outside diameter
190 mm

Max. number of stages
30

Rotation
CCW

Revolution
1450 rpm

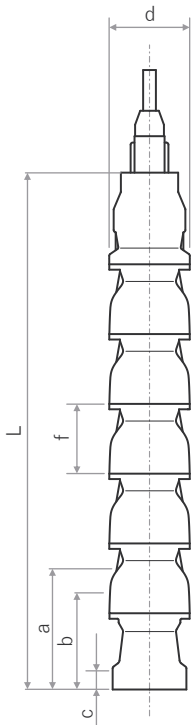
Shaft diameter
30,16 mm

WR²
0,0067 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 5 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



Material

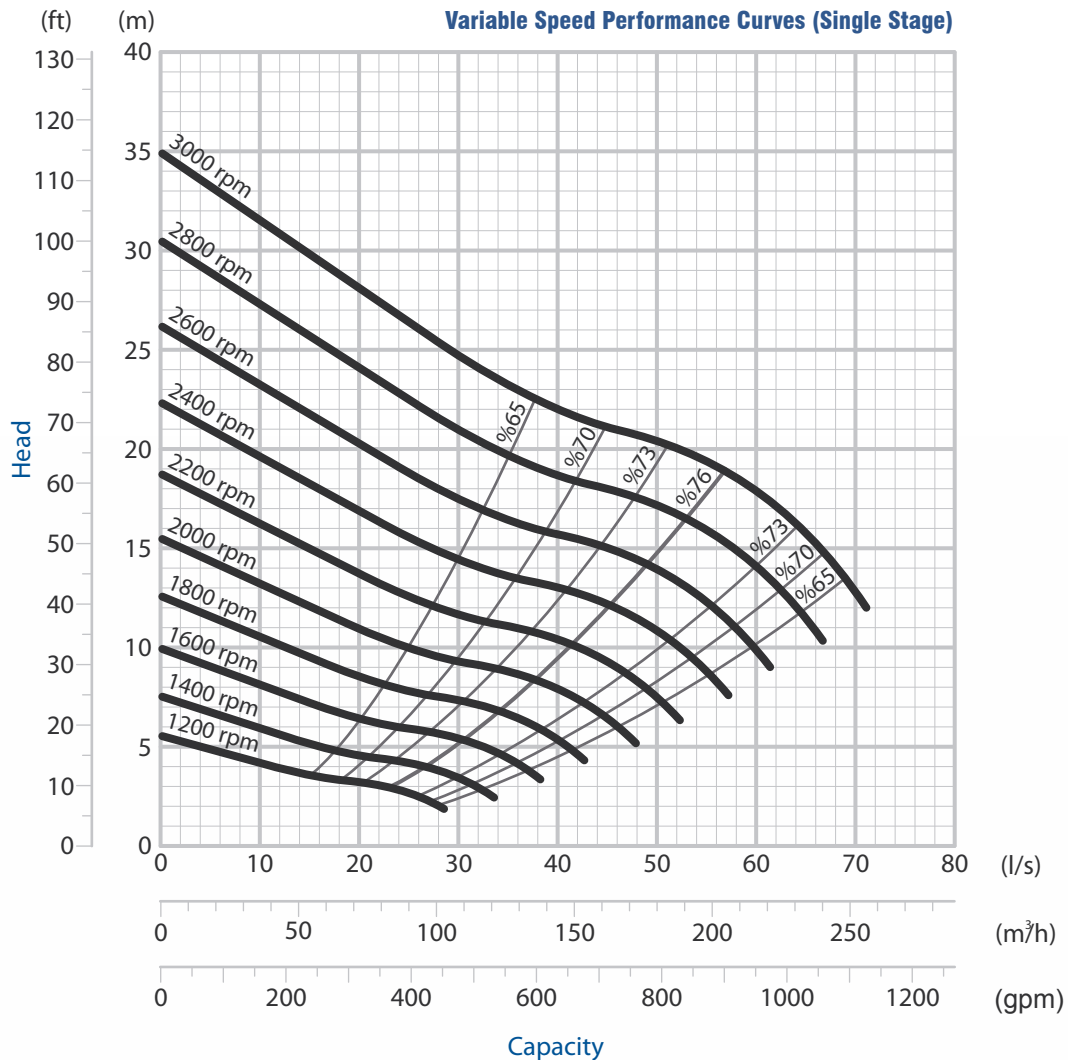
- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

Dimensions

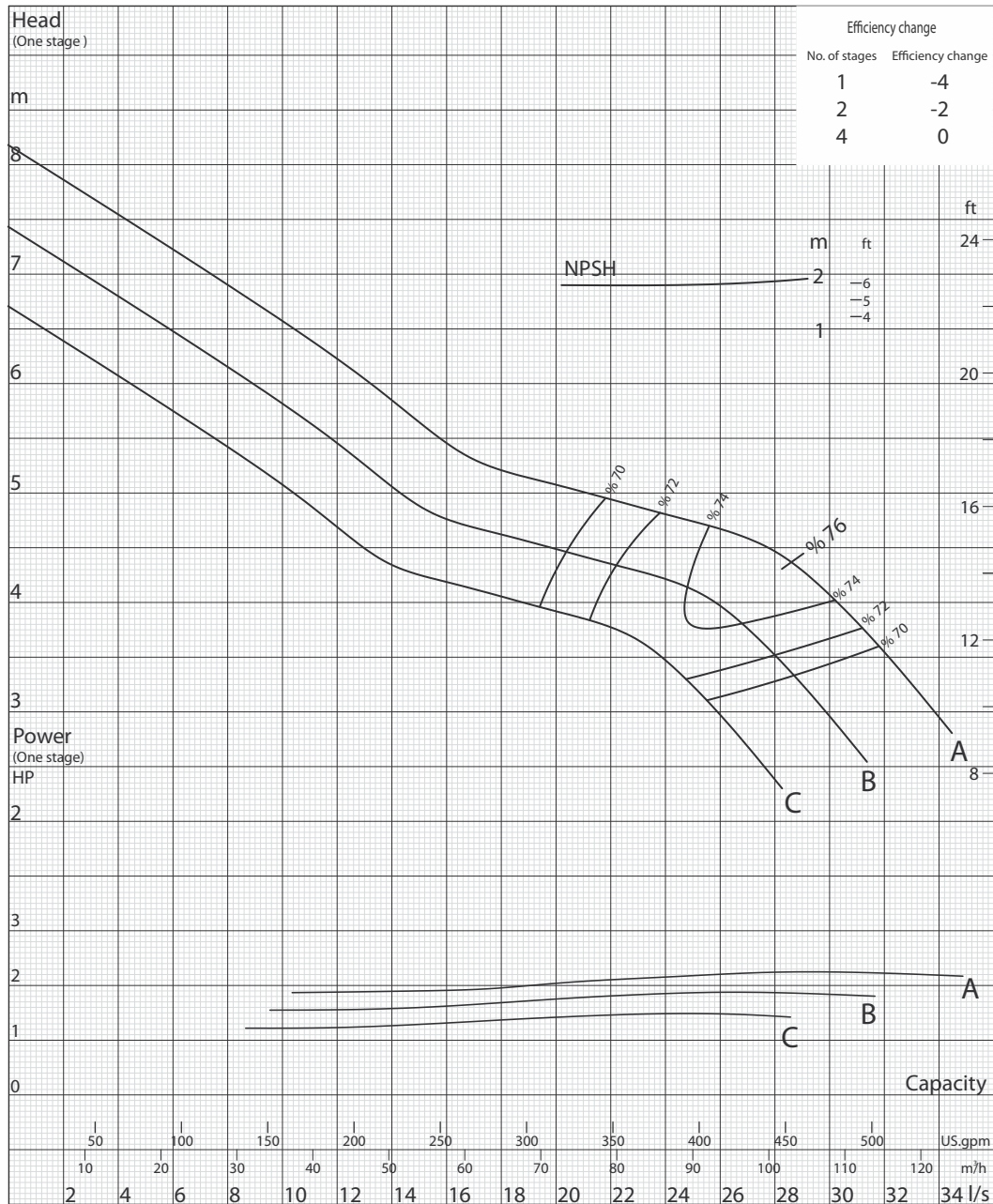
- (a) Minimum required submergence : 457 mm
 - (b) Bottom of bearing hub to imp. eye : 228 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 192,8 mm
 - (e) Length one-stage assembly : 623 mm
 - (f) Additional stage length : 190,6 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$

Variable Speed Performance Curves (Single Stage)



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 0853

No. of vanes
5

Thrust constant (K)
11,815 Kg/m

Pump outside diameter
192,8 mm

Max. number of stages
30

Rotation
CCW

Revolution
1450 rpm

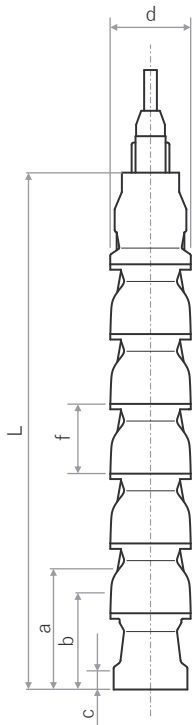
Shaft diameter
30,16 mm

WR²
0,0102 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



Material

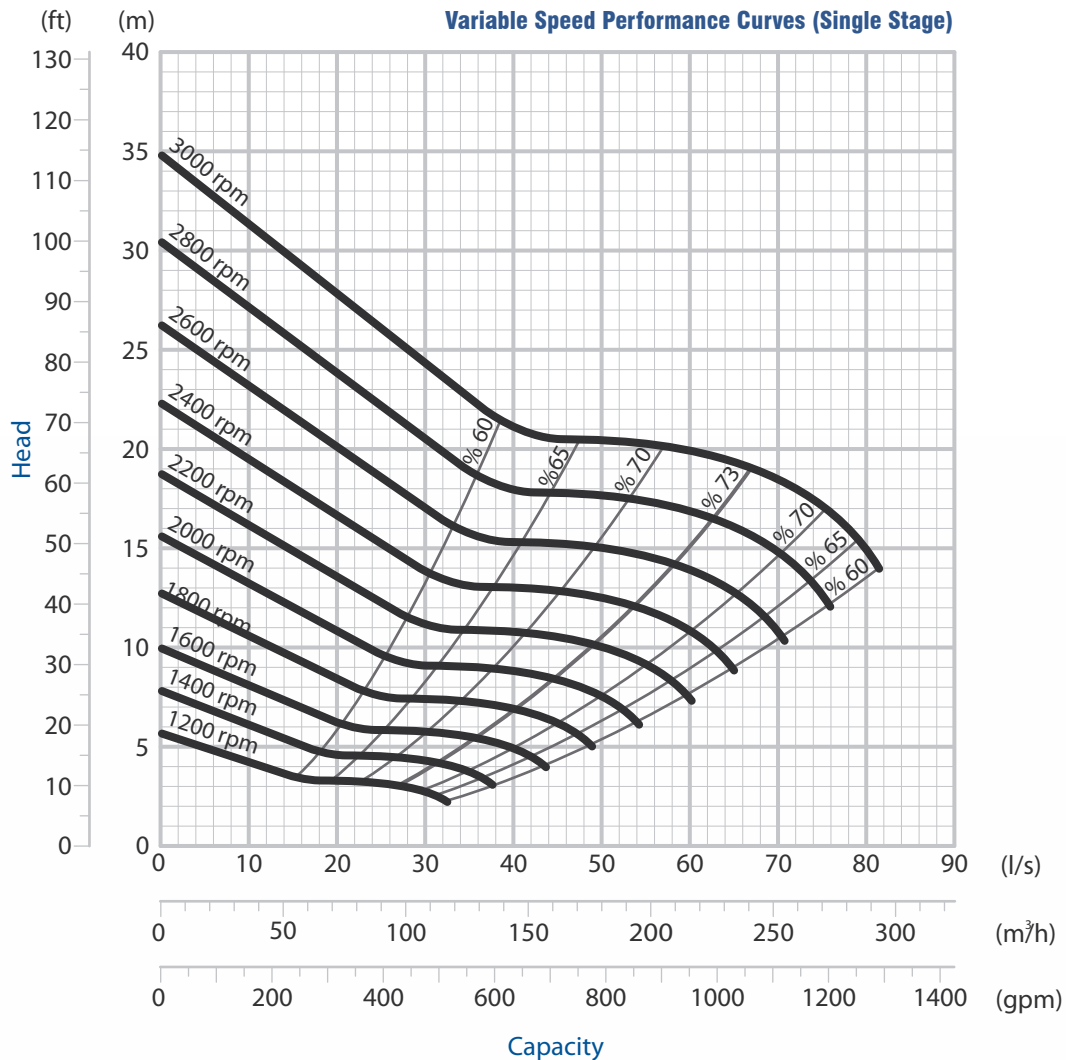
- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

Dimensions

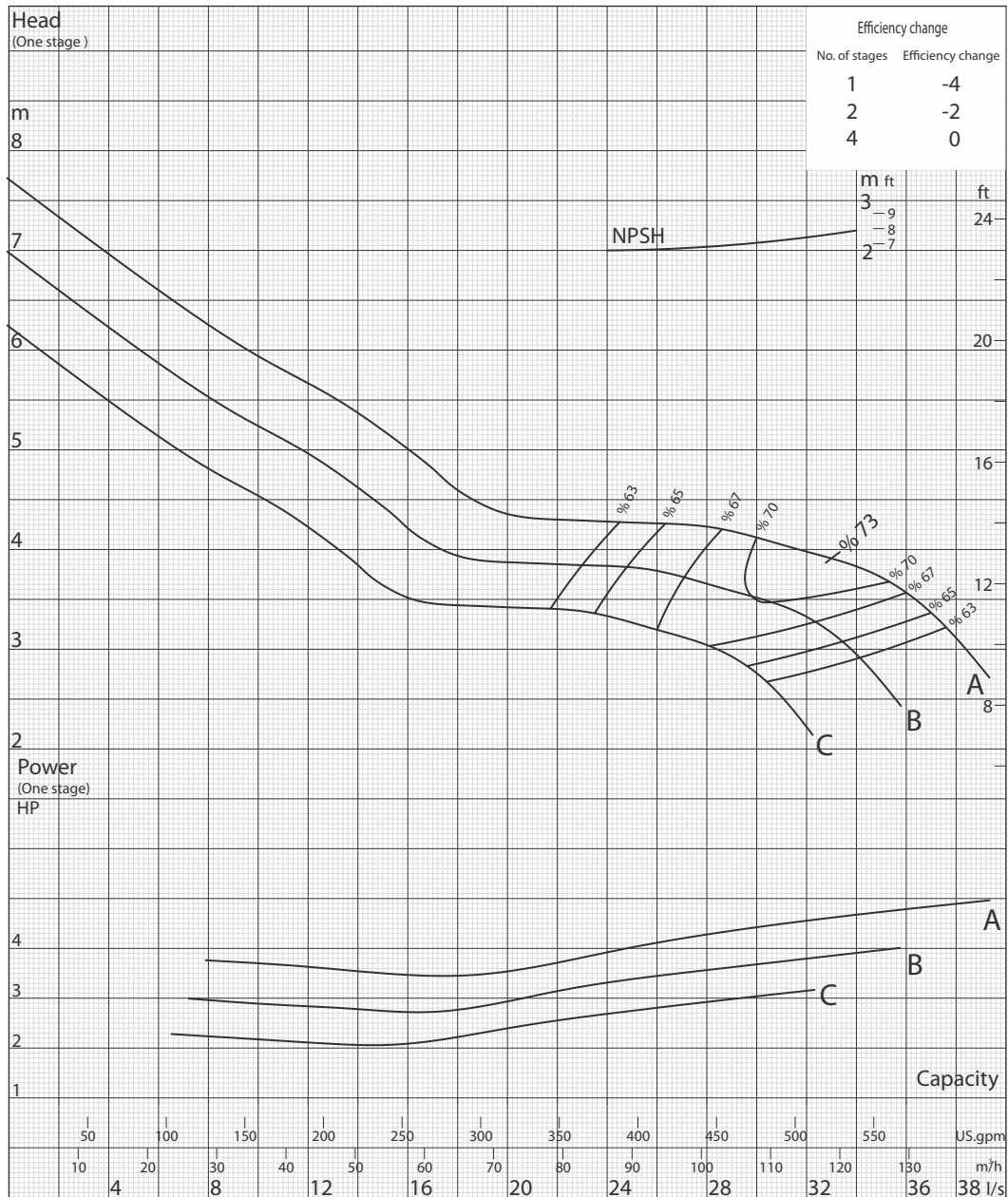
- (a) Minimum required submergence : 457 mm
 - (b) Bottom of bearing hub to imp.eye : 228 mm
 - (c) Suction case thread engagement : 35 mm
 - (d) Bowl diameter : 192,8 mm
 - (e) Length one-stage assembly : 623 mm
 - (f) Additional stage length : 190,6 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$

Variable Speed Performance Curves (Single Stage)



1450 rpm

Performance Curves (Single Stage)



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 Dynapumps Offices Australia & Chile

VTP 0854

No. of vanes
7

Thrust constant (K)
11,815 Kg/m

Pump outside diameter
192,8 mm

Max. number of stages
30

Rotation
CCW

Revolution
1450 rpm

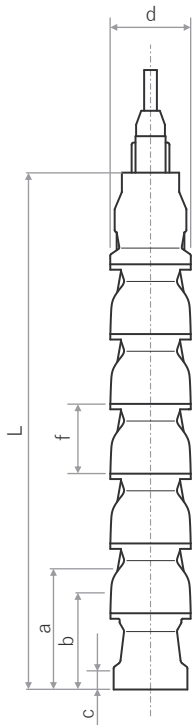
Shaft diameter
30,16 mm

WR²
0,0102 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



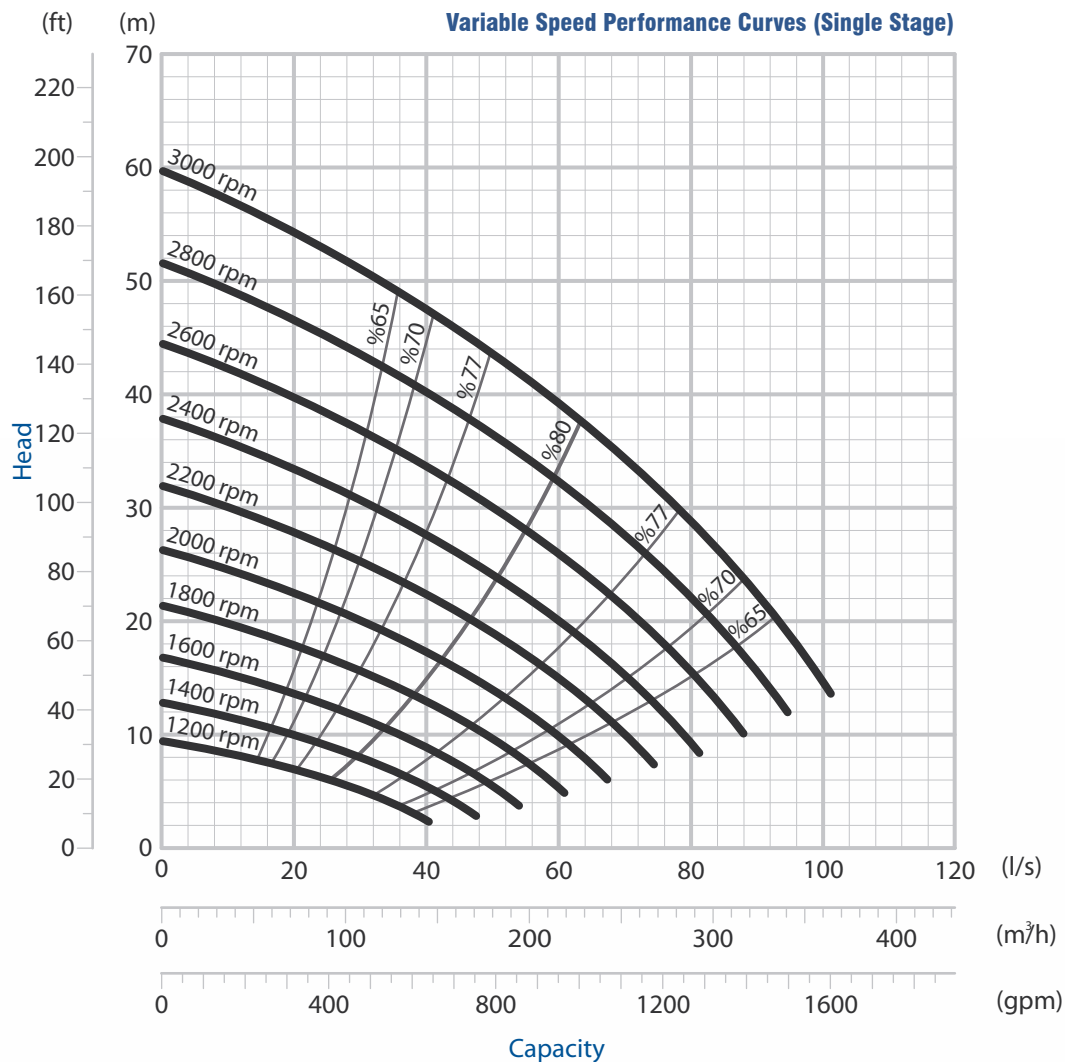
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

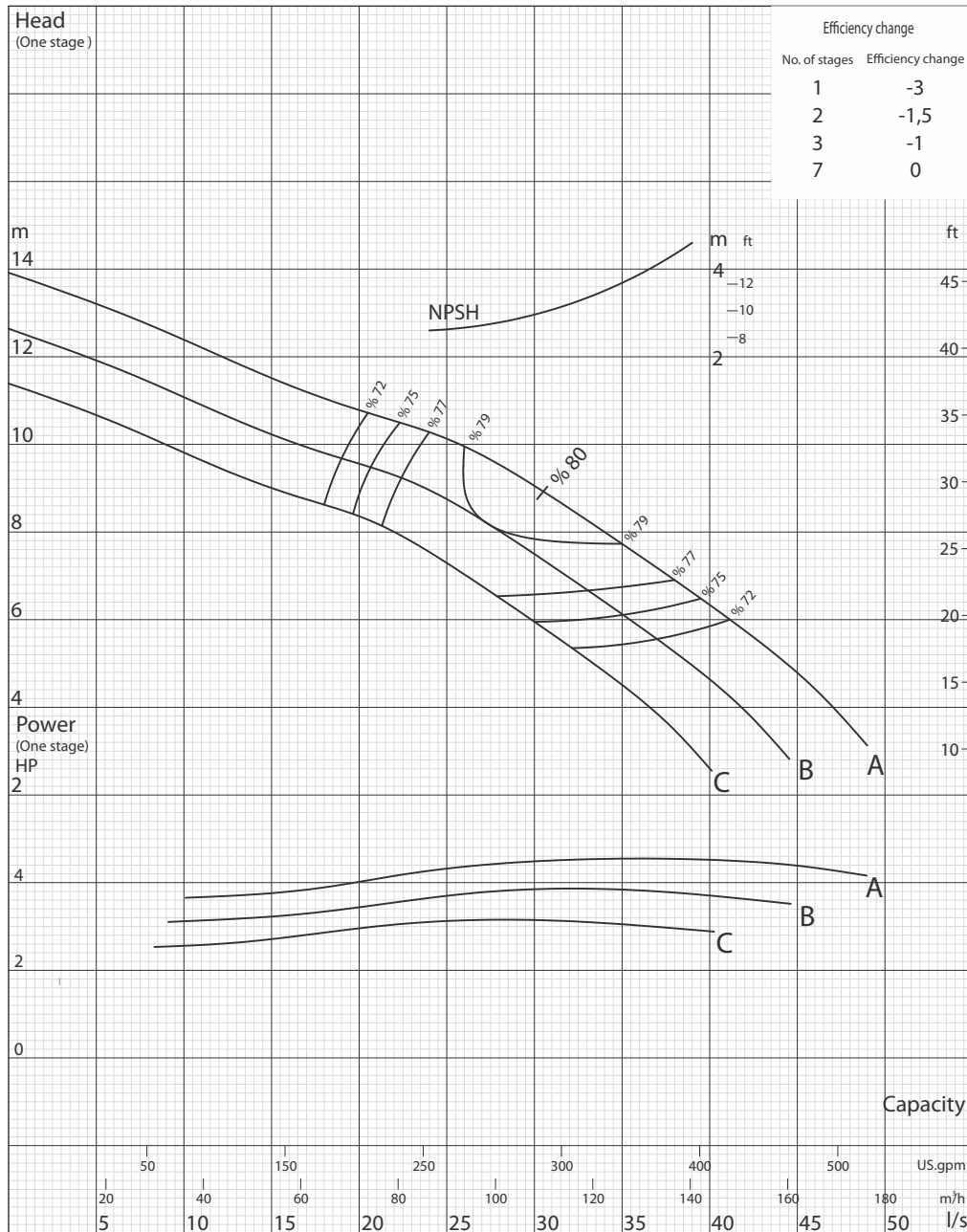
Dimensions

- (a) Minimum required submergence : 533 mm
 - (b) Bottom of bearing hub to imp.eye : 280 mm
 - (c) Suction case thread engagement : 42 mm
 - (d) Bowl diameter : 238 mm
 - (e) Length one-stage assembly : 618 mm
 - (f) Additional stage length : 212,7 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1032

No. of vanes
5

Thrust constant (K)
12,39 Kg/m

Pump outside diameter
238 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

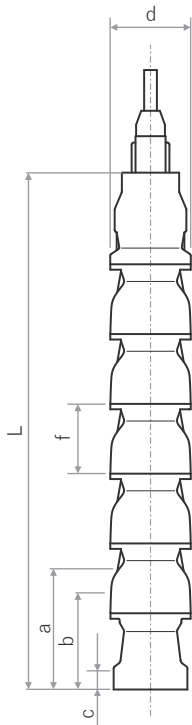
Shaft diameter
42,86 mm

WR²
0,0248 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1,5 | 3 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



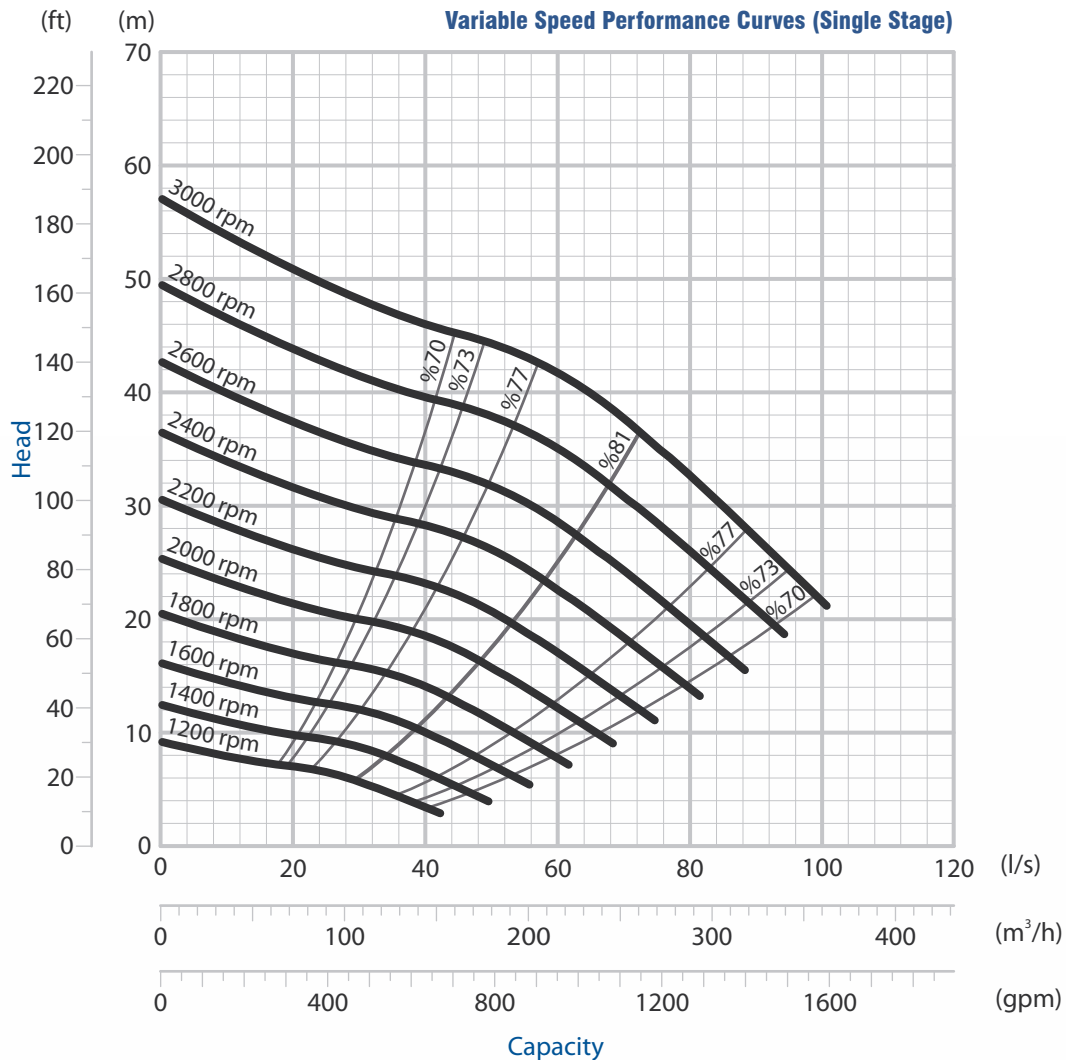
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

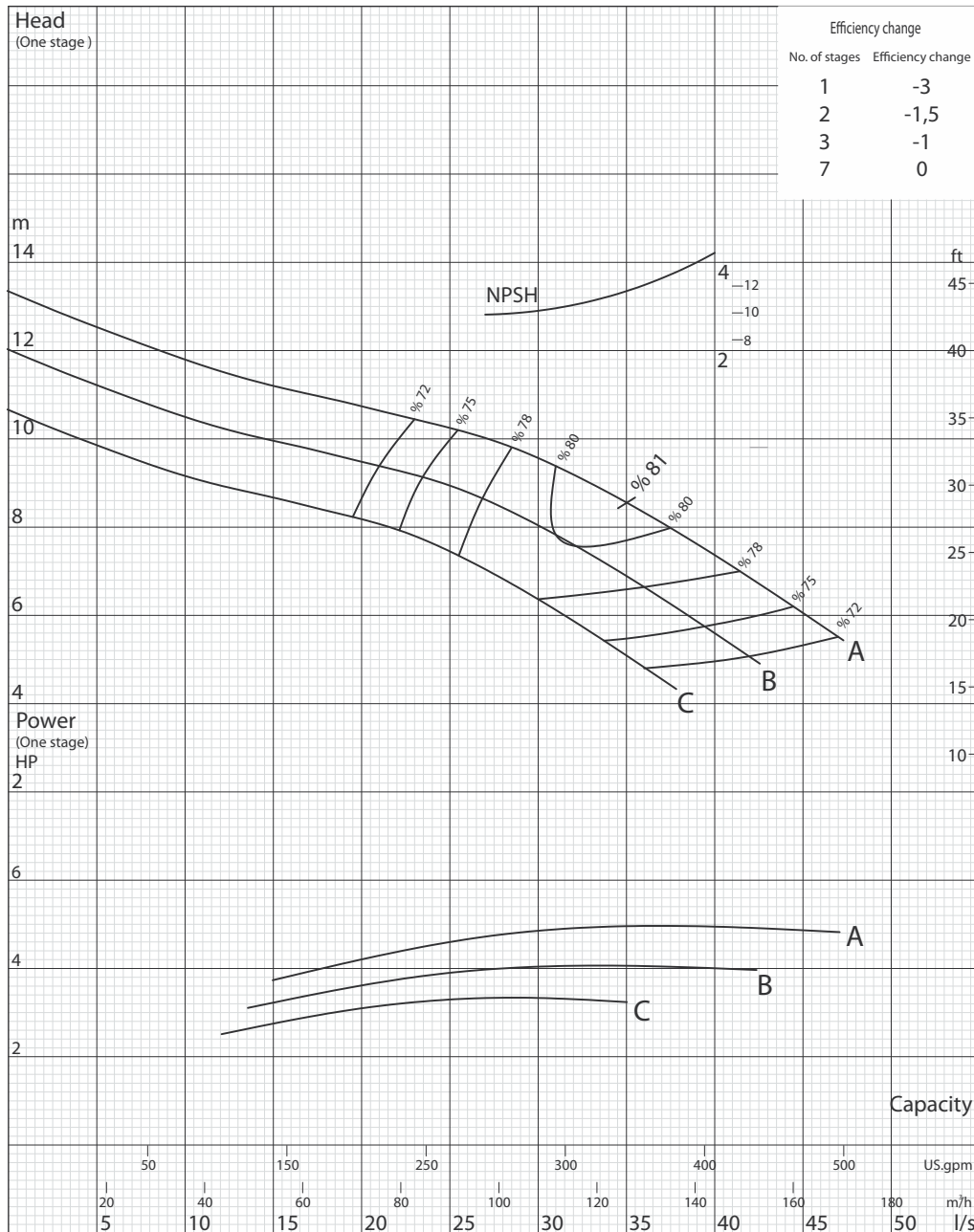
Dimensions

- (a) Minimum required submergence : 533 mm
 - (b) Bottom of bearing hub to imp.eye : 280 mm
 - (c) Suction case thread engagement : 42 mm
 - (d) Bowl diameter : 238 mm
 - (e) Length one-stage assembly : 618 mm
 - (f) Additional stage length : 212,7 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1033

No. of vanes
6

Thrust constant (K)
12,39 Kg/m

Pump outside diameter
238 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

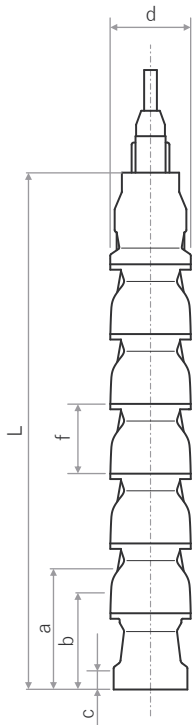
Shaft diameter
42,86 mm

WR²
0,0248 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1,5 | 3 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



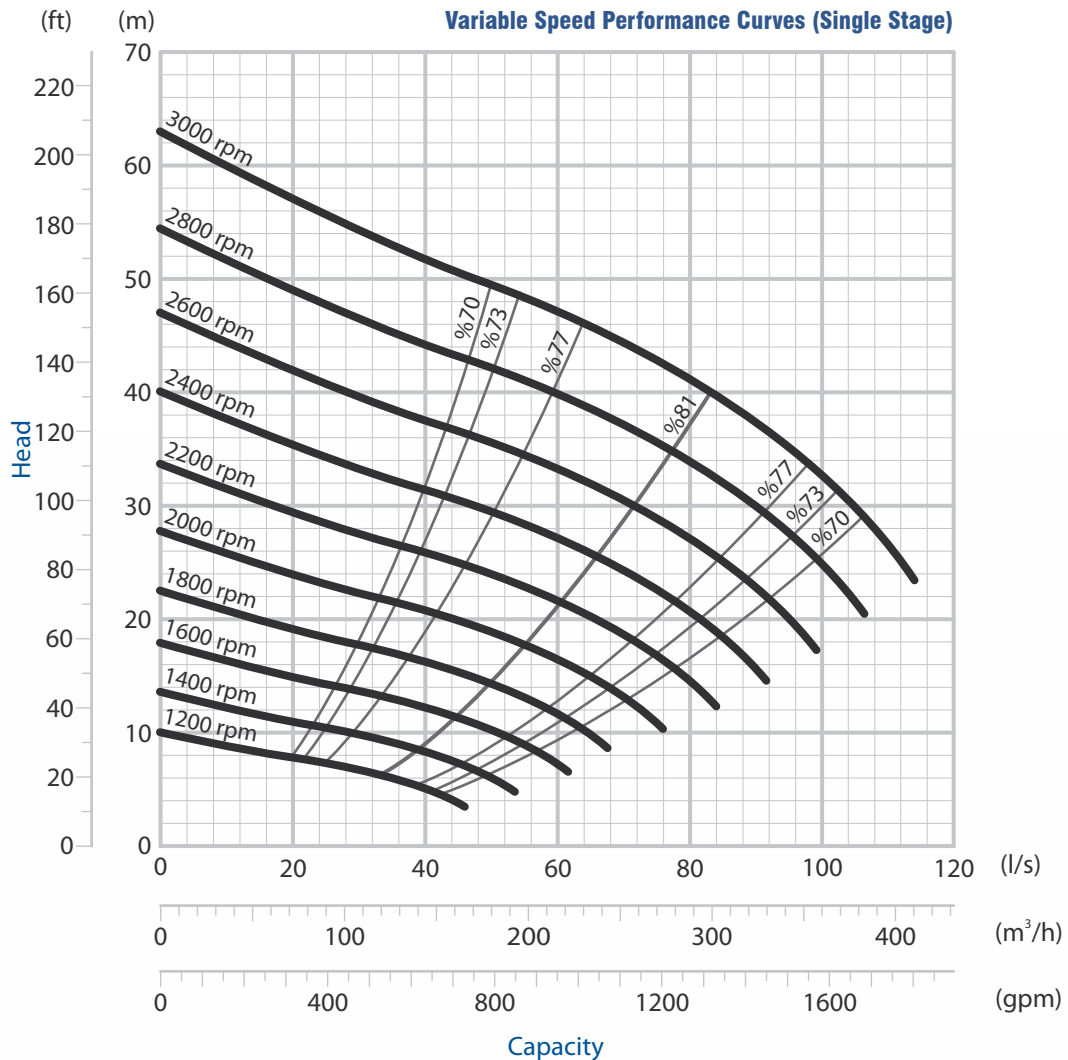
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

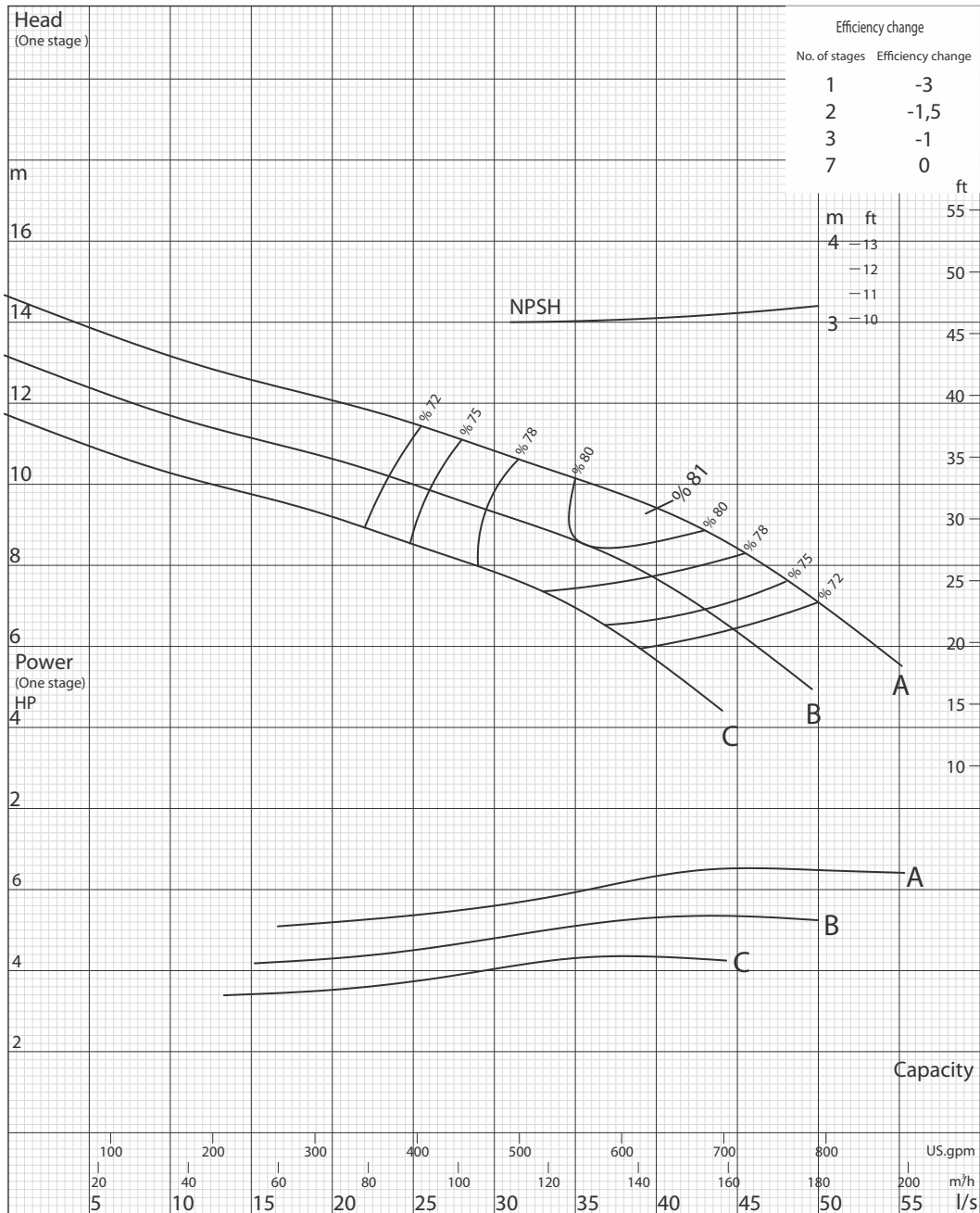
Dimensions

- (a) Minimum required submergence : 533 mm
 - (b) Bottom of bearing hub to imp.eye : 280 mm
 - (c) Suction case thread engagement : 42 mm
 - (d) Bowl diameter : 238 mm
 - (e) Length one-stage assembly : 618 mm
 - (f) Additional stage length : 212,7 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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VTP 1034

No. of vanes
7

Thrust constant (K)
12,39 Kg/m

Pump outside diameter
238 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

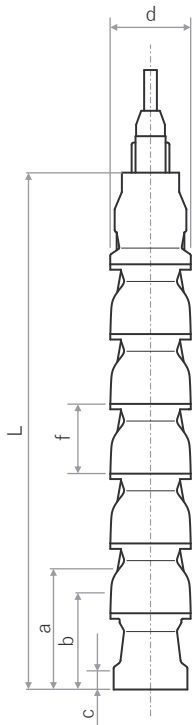
Shaft diameter
42,86 mm

WR²
0,0248 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1,5 | 3 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



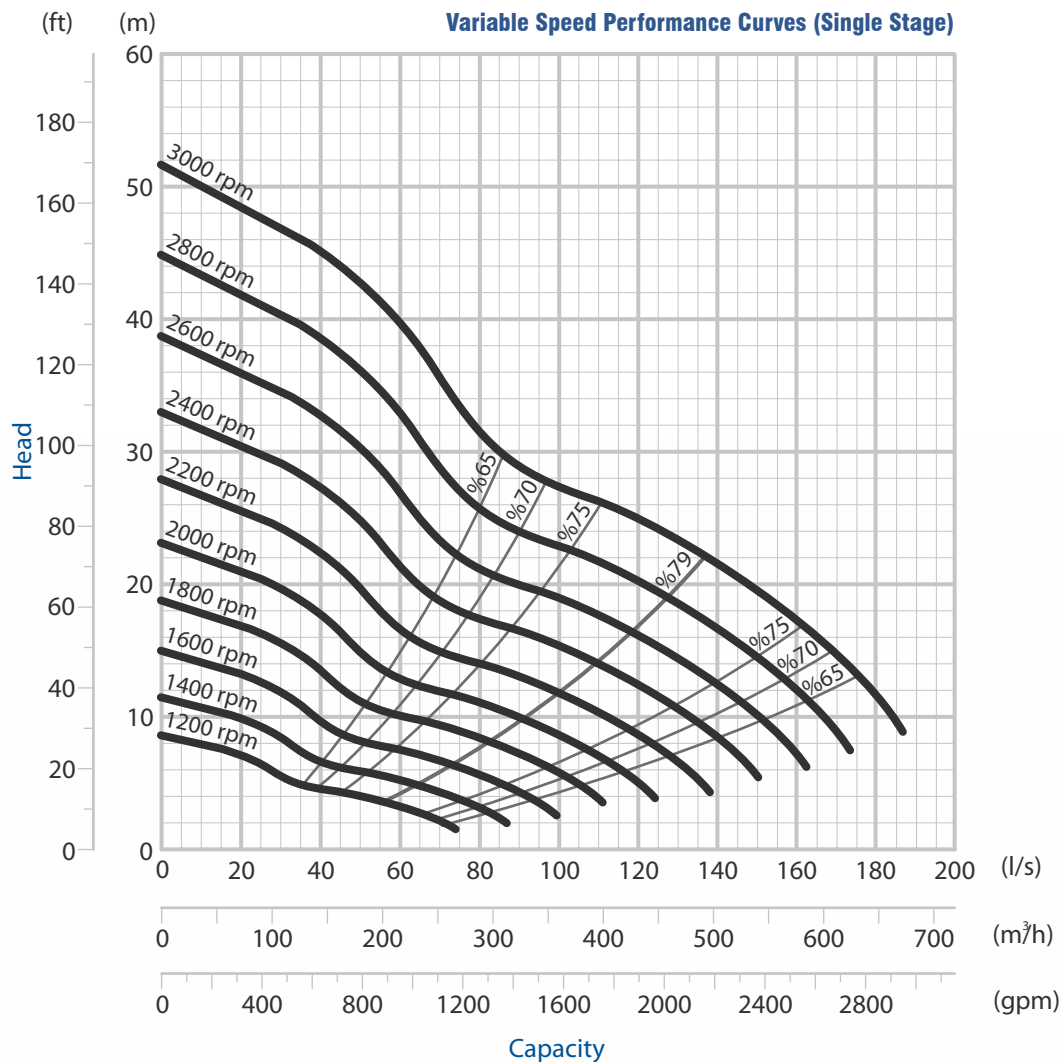
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

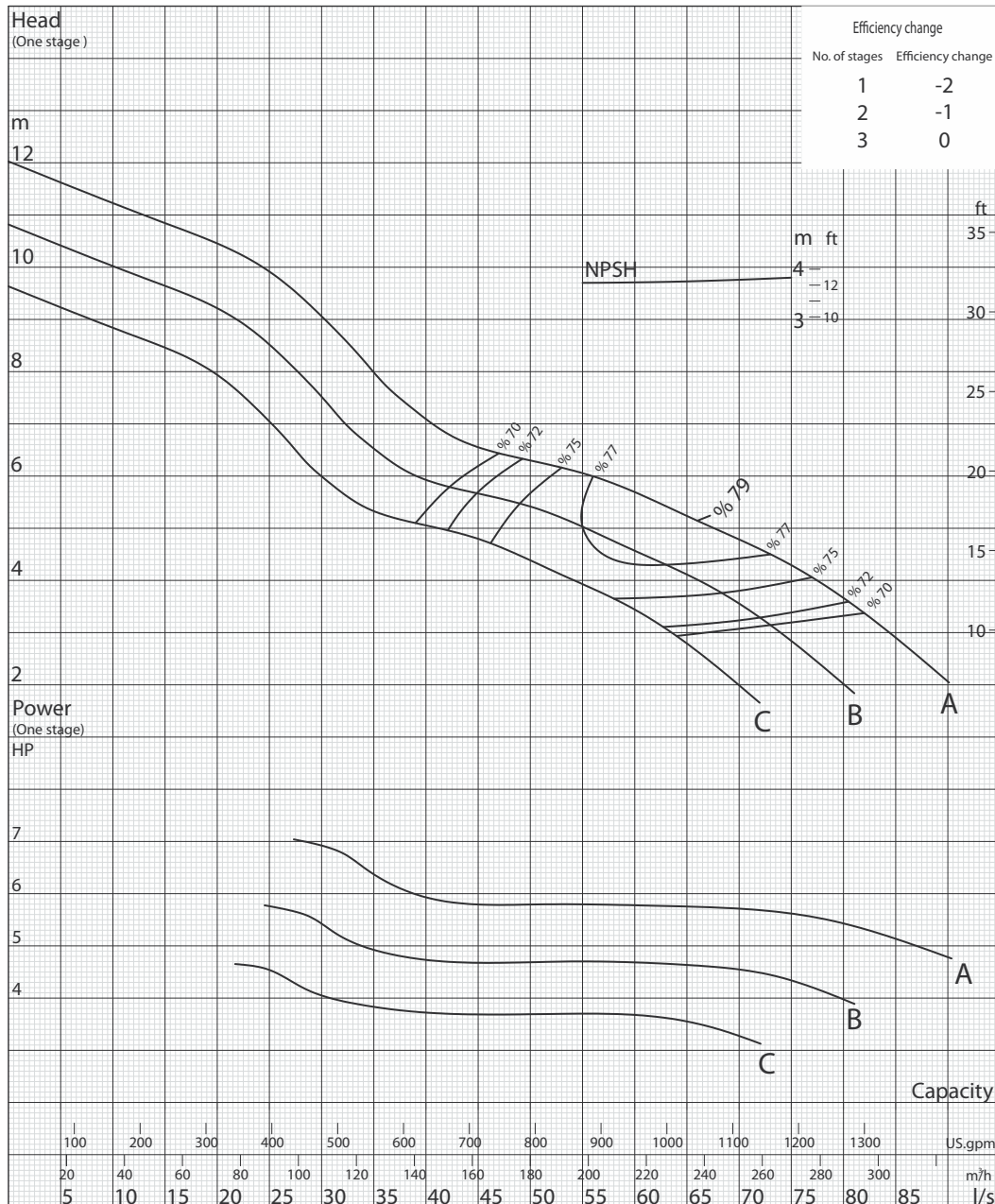
Dimensions

- (a) Minimum required submergence : 545 mm
 - (b) Bottom of bearing hub to imp.eye : 292 mm
 - (c) Suction case thread engagement : 50 mm
 - (d) Bowl diameter : 248 mm
 - (e) Length one-stage assembly : 685 mm
 - (f) Additional stage length : 222,3 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1053

No. of vanes
5

Thrust constant (K)
20,658 Kg/m

Pump outside diameter
248 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

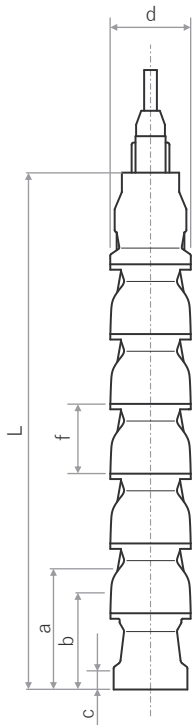
Shaft diameter
42,86 mm

WR²
0,0354 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



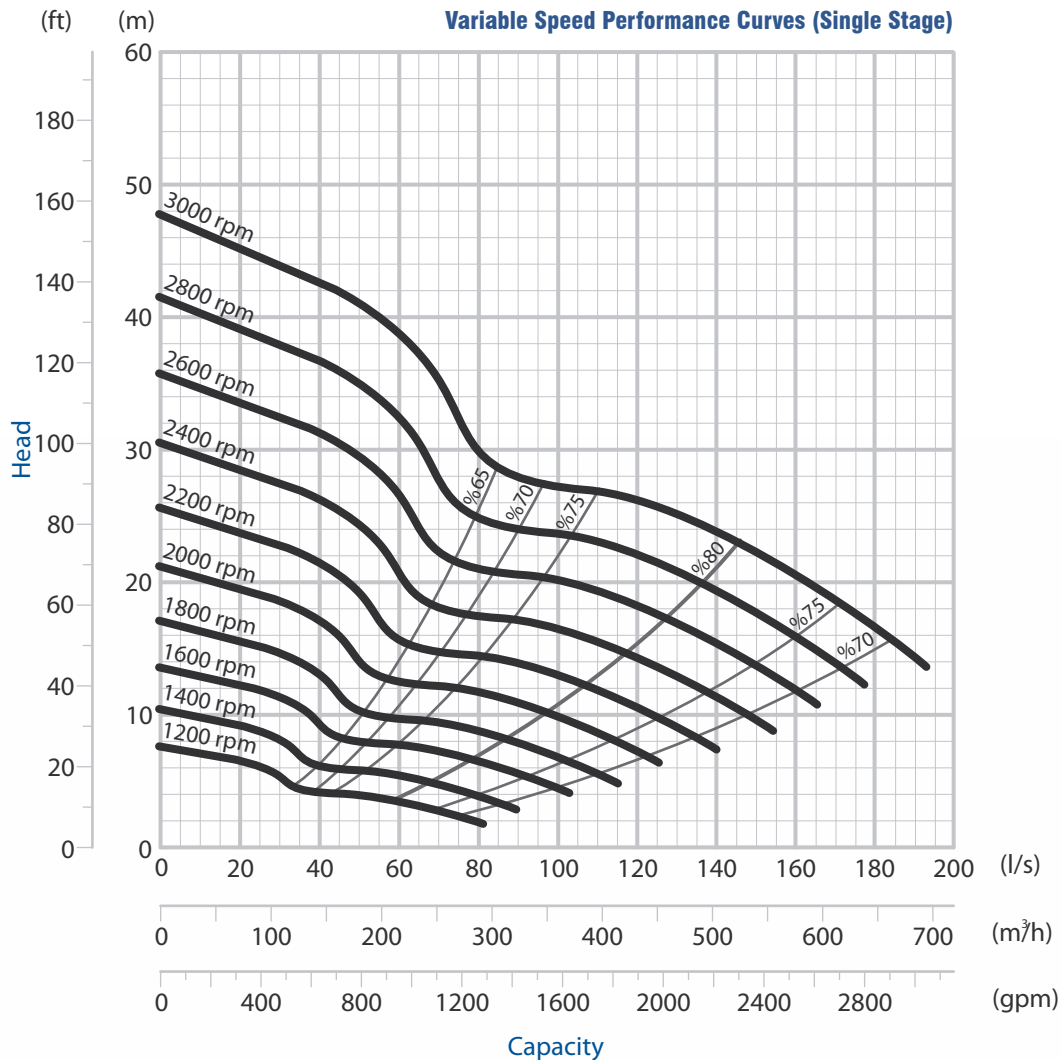
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

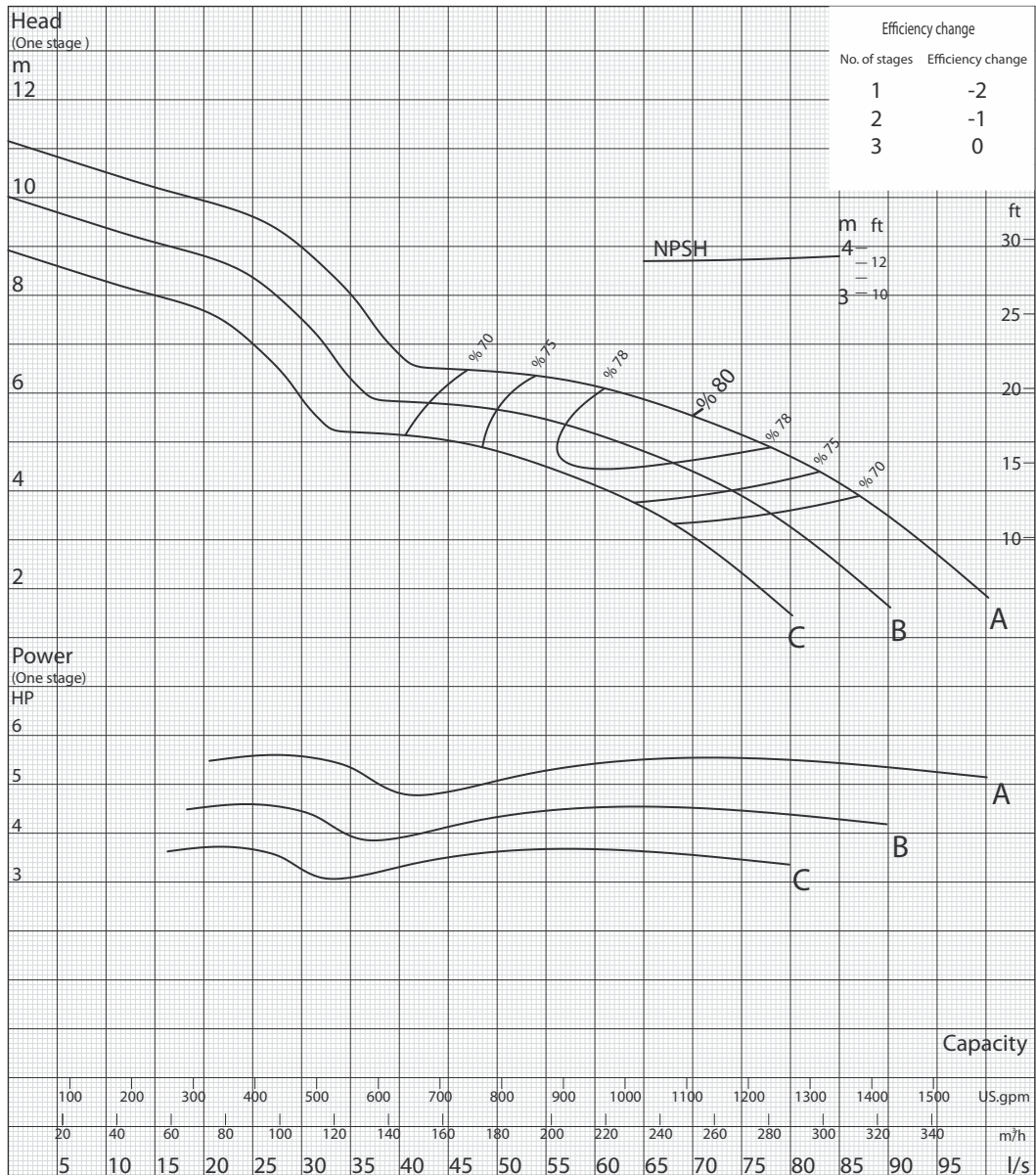
Dimensions

- (a) Minimum required submergence : 545 mm
 - (b) Bottom of bearing hub to imp.eye : 292 mm
 - (c) Suction case thread engagement : 50 mm
 - (d) Bowl diameter : 248 mm
 - (e) Length one-stage assembly : 685 mm
 - (f) Additional stage length : 222,3 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1054

No. of vanes
7

Thrust constant (K)
20,658 Kg/m

Pump outside diameter
248 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

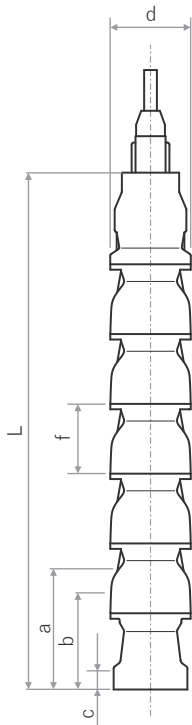
Shaft diameter
42,86 mm

WR²
0,0354 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



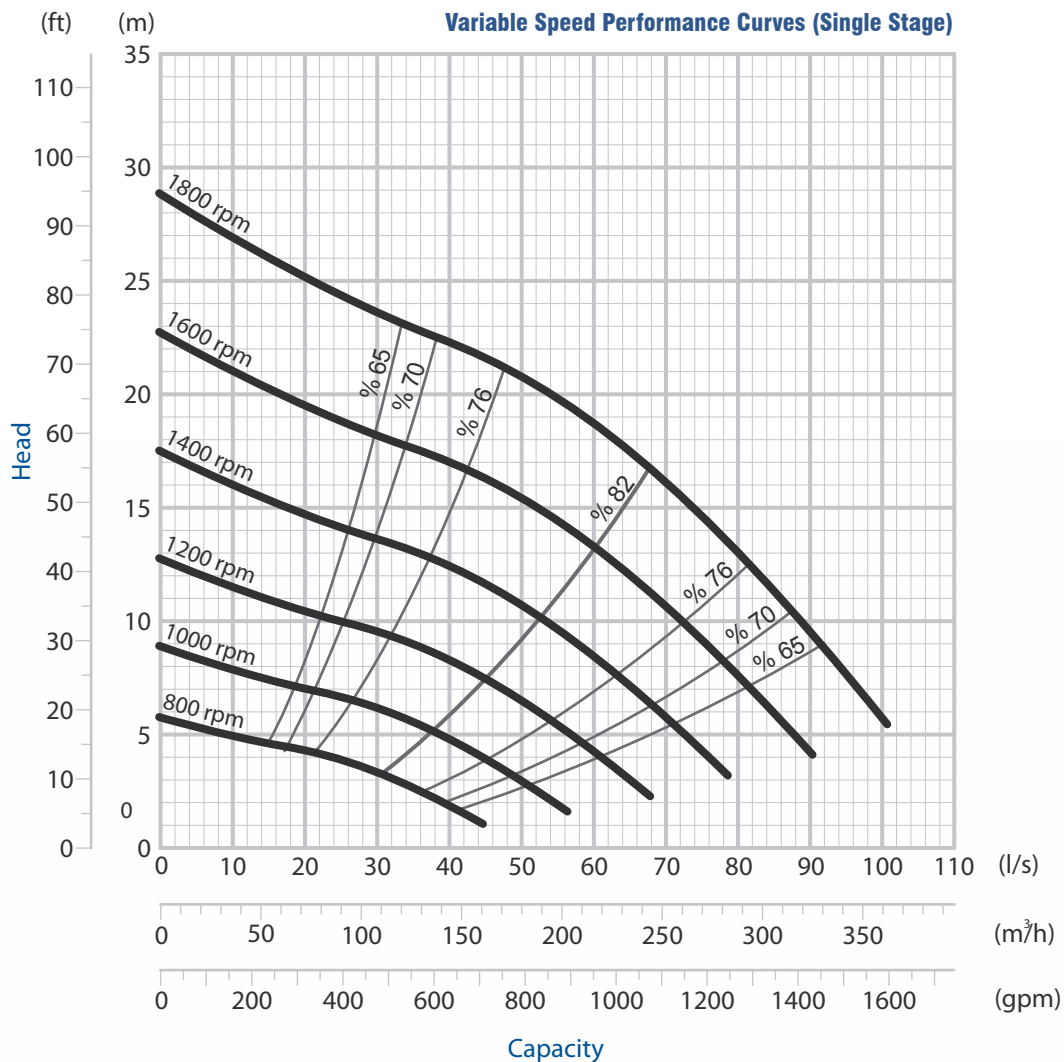
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

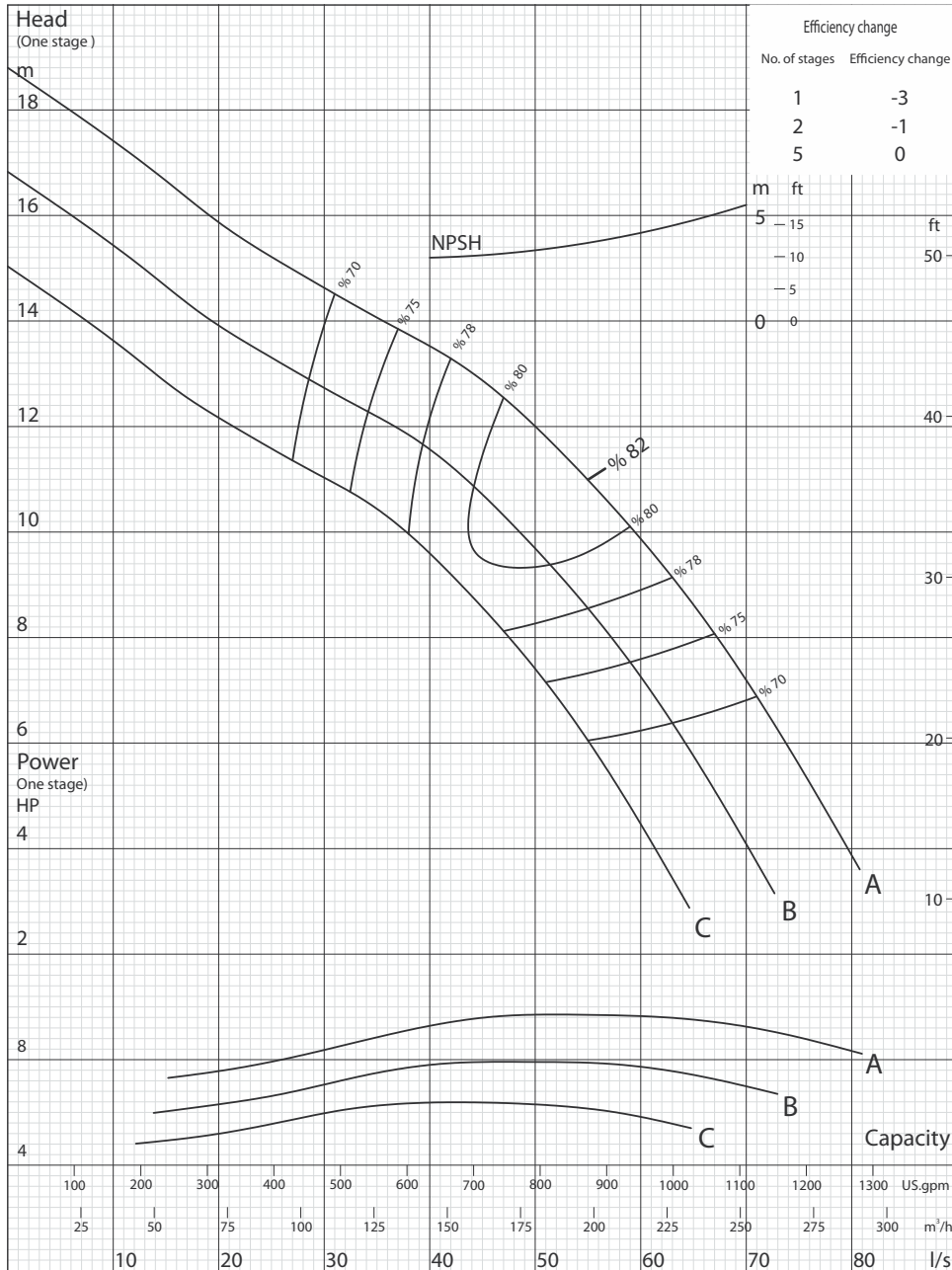
Dimensions

- (a) Minimum required submergence : 560 mm
 - (b) Bottom of bearing hub to imp.eye : 305 mm
 - (c) Suction case thread engagement : 40 mm
 - (d) Bowl diameter : 291 mm
 - (e) Length one-stage assembly : 755 mm
 - (f) Additional stage length : 254 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1232

No. of vanes
5

Thrust constant (K)
17,388 Kg/m

Pump outside diameter
291 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

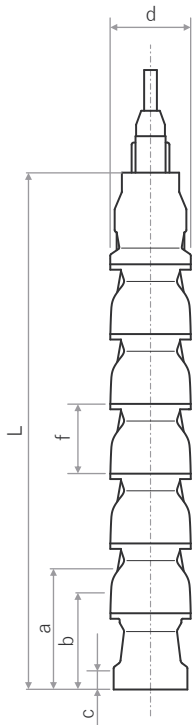
Shaft diameter
49,21 mm

WR²
0,0505 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



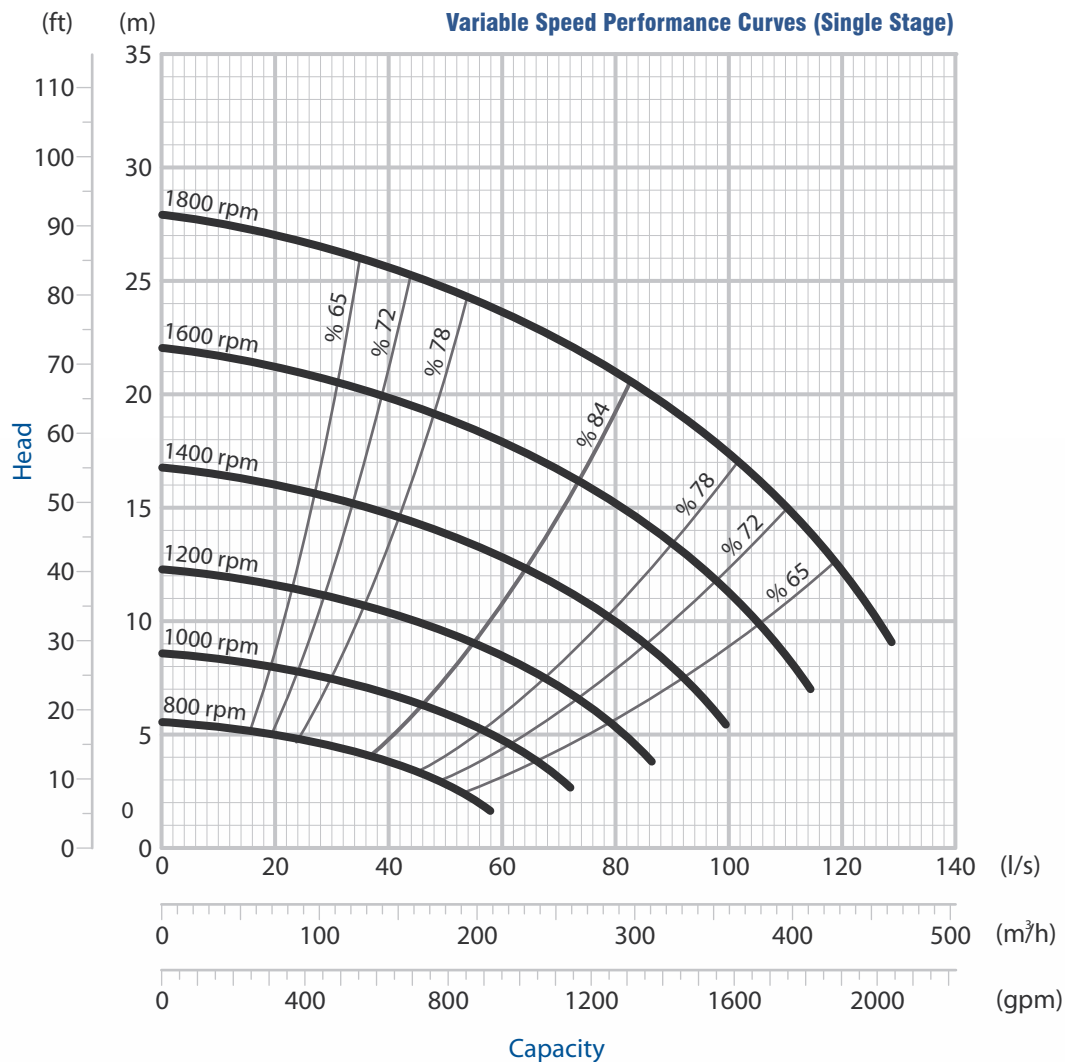
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

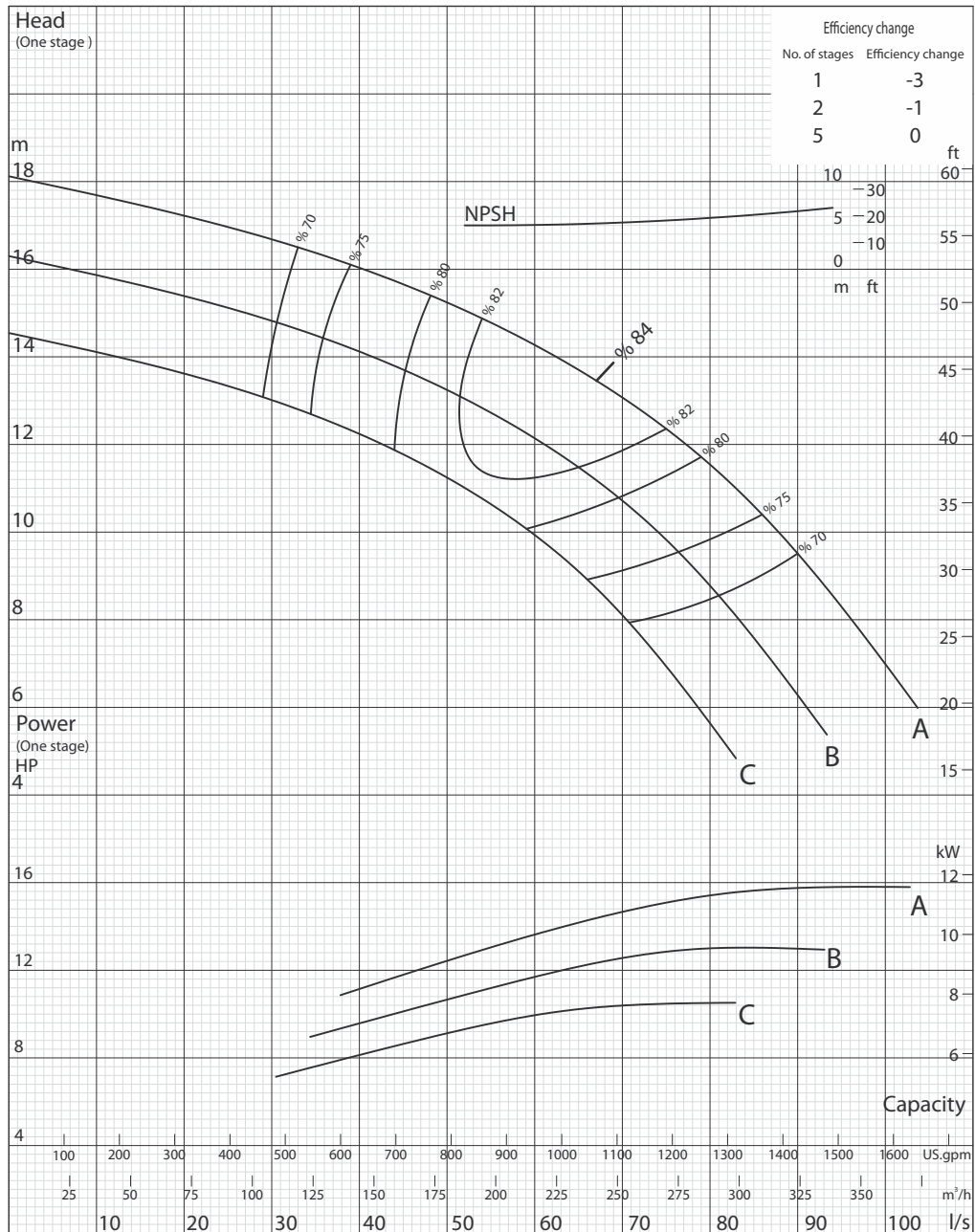
Dimensions

- (a) Minimum required submergence : 560 mm
 - (b) Bottom of bearing hub to imp.eye : 305 mm
 - (c) Suction case thread engagement : 40 mm
 - (d) Bowl diameter : 291 mm
 - (e) Length one-stage assembly : 755 mm
 - (f) Additional stage length : 254 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1234

No. of vanes
8

Thrust constant (K)
17,388 Kg/m

Pump outside diameter
291 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

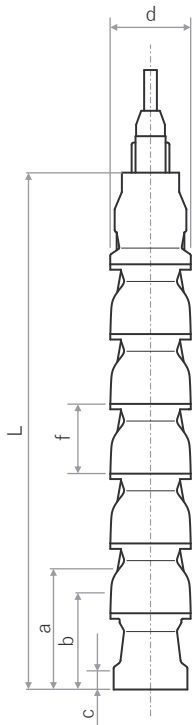
Shaft diameter
49,21 mm

WR²
0,0505 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



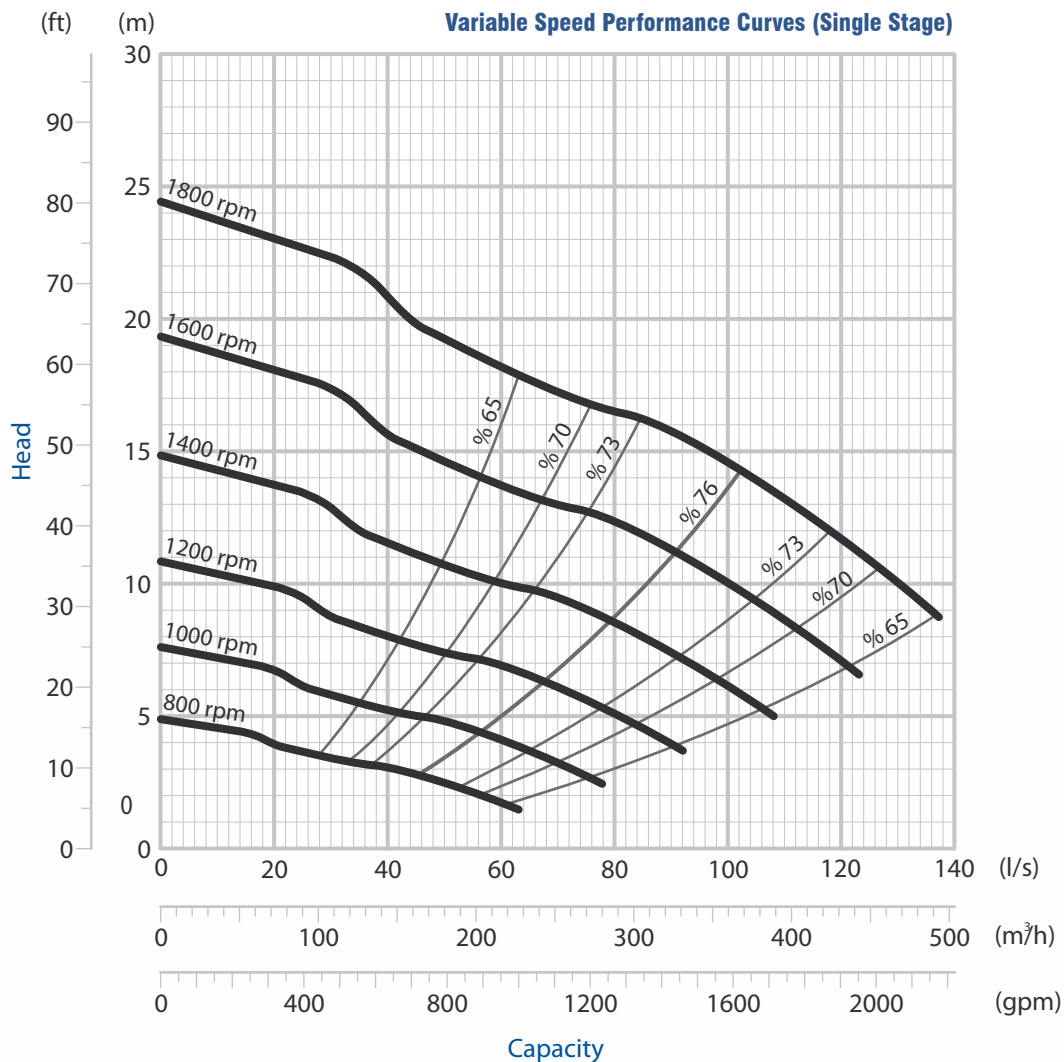
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

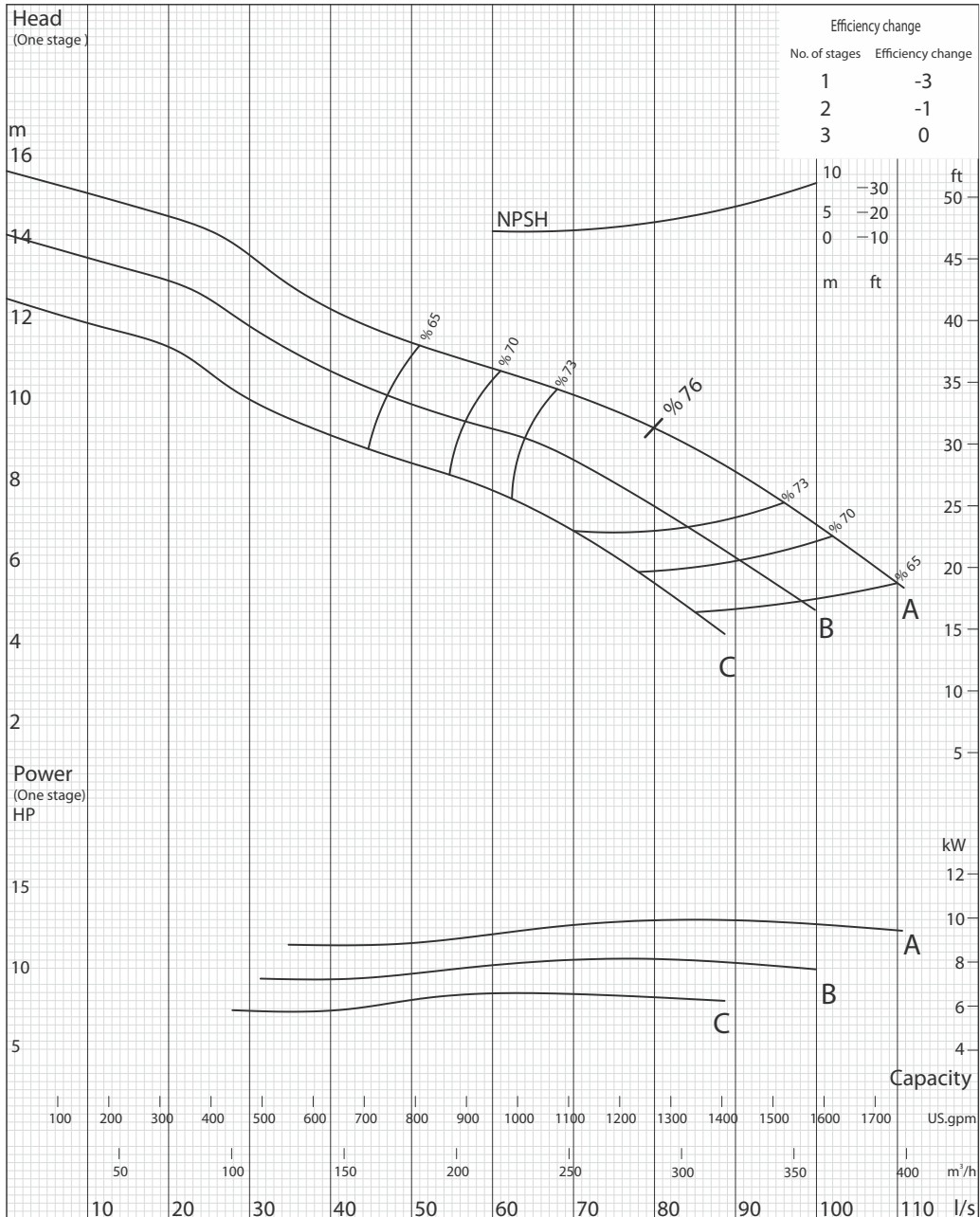
Dimensions

- (a) Minimum required submergence : 635 mm
 - (b) Bottom of bearing hub to imp.eye : 305 mm
 - (c) Suction case thread engagement : 57 mm
 - (d) Bowl diameter : 294 mm
 - (e) Length one-stage assembly : 775 mm
 - (f) Additional stage length : 279,4 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1252

No. of vanes
5

Thrust constant (K)
24,52 Kg/m

Pump outside diameter
294 mm

Max. number of stages
17

Rotation
CCW

Revolution
1450 rpm

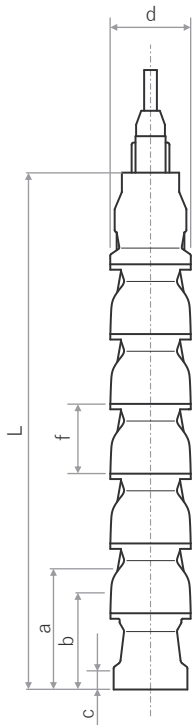
Shaft diameter
49,21 mm

WR²
0,0707 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



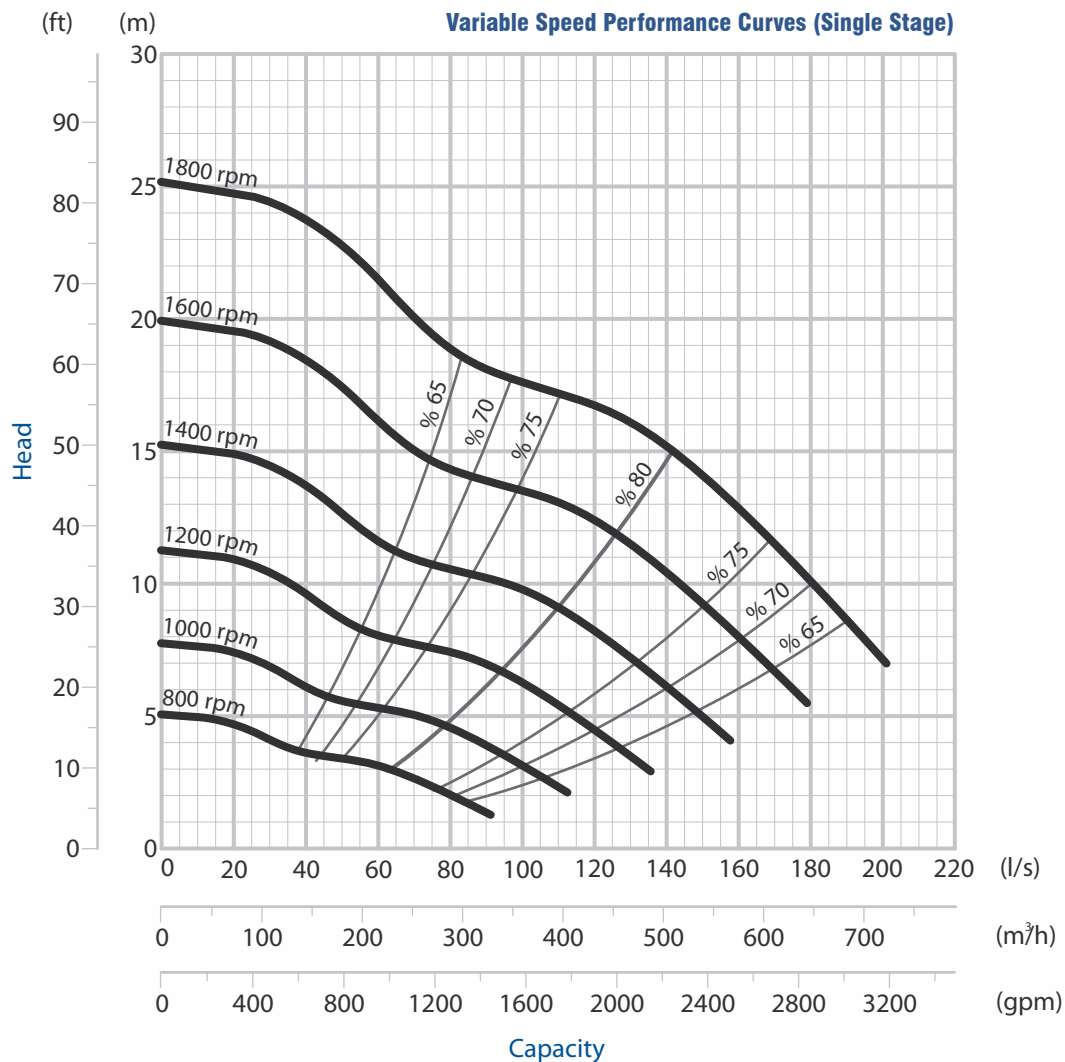
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

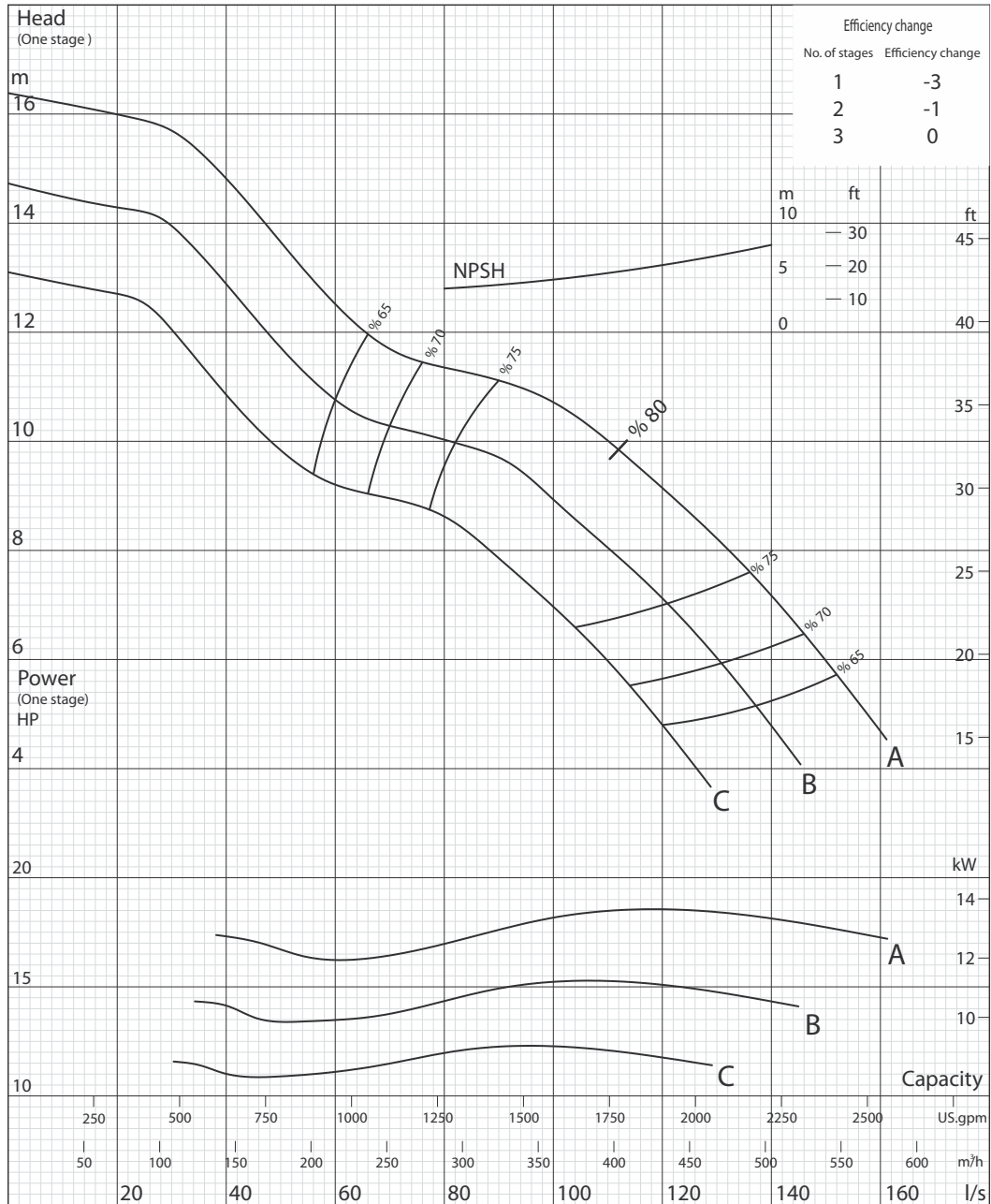
Dimensions

- (a) Minimum required submergence : 635 mm
 - (b) Bottom of bearing hub to imp.eye : 305 mm
 - (c) Suction case thread engagement : 57 mm
 - (d) Bowl diameter : 294 mm
 - (e) Length one-stage assembly : 775 mm
 - (f) Additional stage length : 279,4 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1253

No. of vanes
4

Thrust constant (K)
24,52 Kg/m

Pump outside diameter
294 mm

Max. number of stages
16

Rotation
CCW

Revolution
1450 rpm

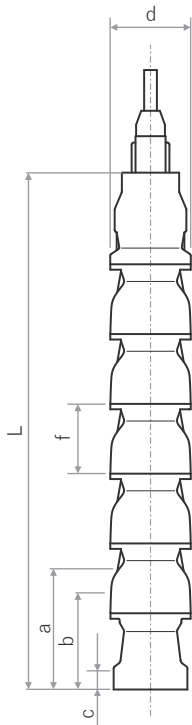
Shaft diameter
49,21 mm

WR²
0,0707 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



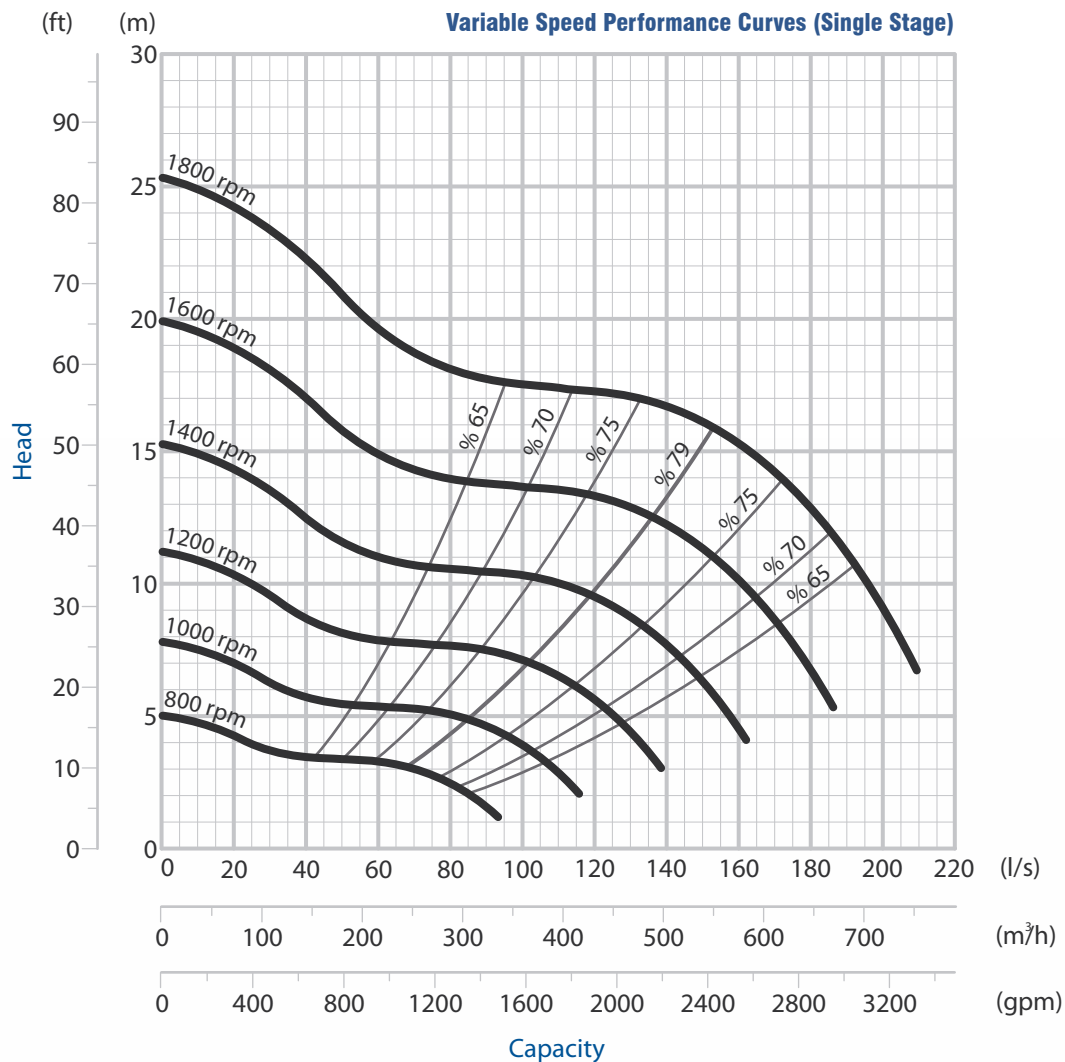
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

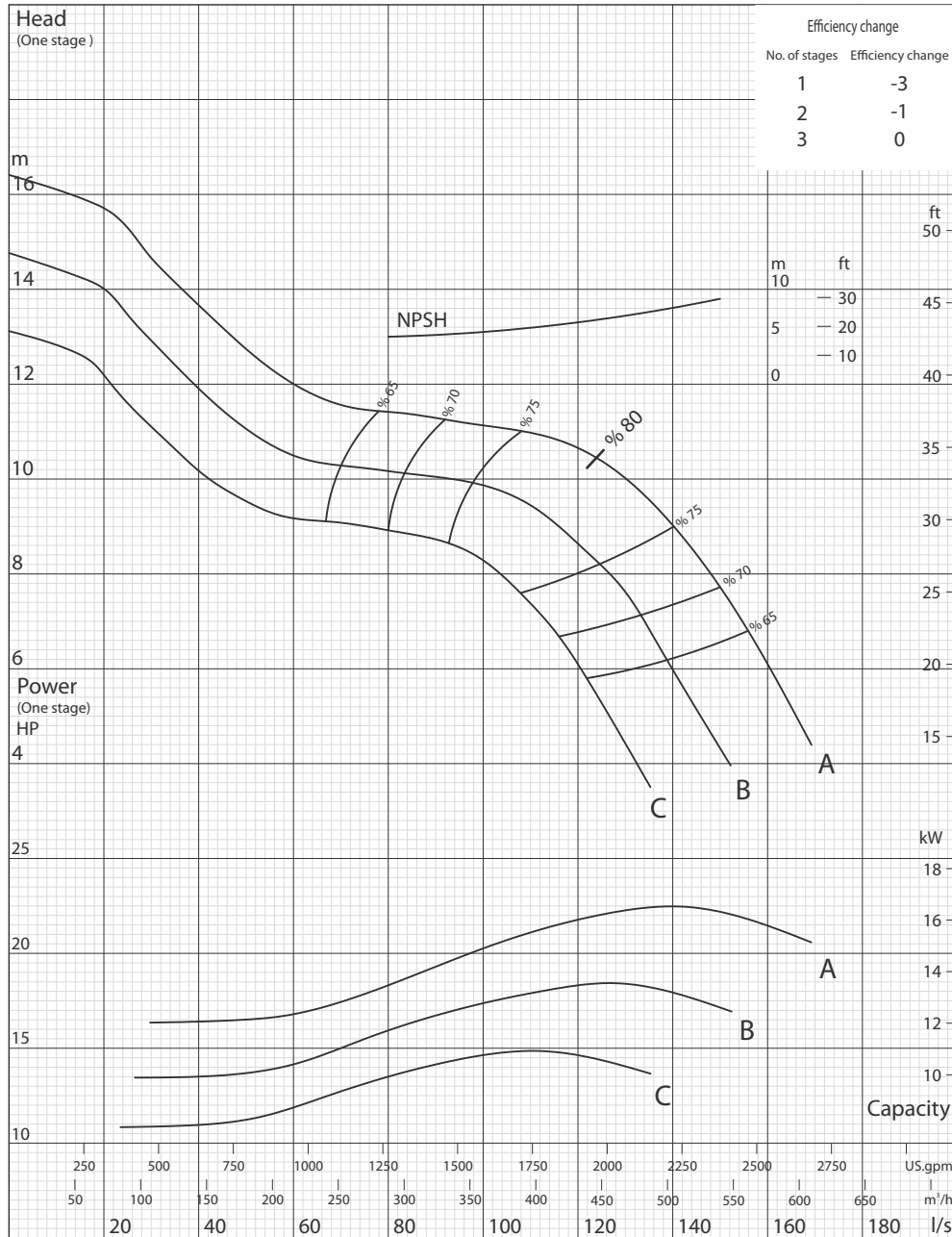
Dimensions

- (a) Minimum required submergence : 635 mm
 - (b) Bottom of bearing hub to imp.eye : 305 mm
 - (c) Suction case thread engagement : 57 mm
 - (d) Bowl diameter : 294 mm
 - (e) Length one-stage assembly : 775 mm
 - (f) Additional stage length : 279,4 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1254

No. of vanes
8

Thrust constant (K)
24,52 Kg/m

Pump outside diameter
294 mm

Max. number of stages
15

Rotation
CCW

Revolution
1450 rpm

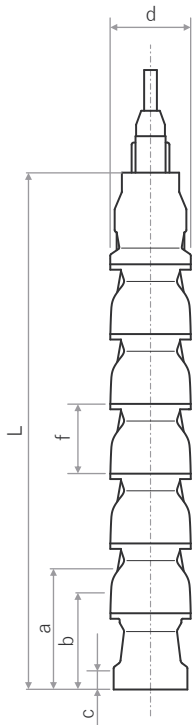
Shaft diameter
49,21 mm

WR²
0,0707 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-3 | 2 → %-1

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



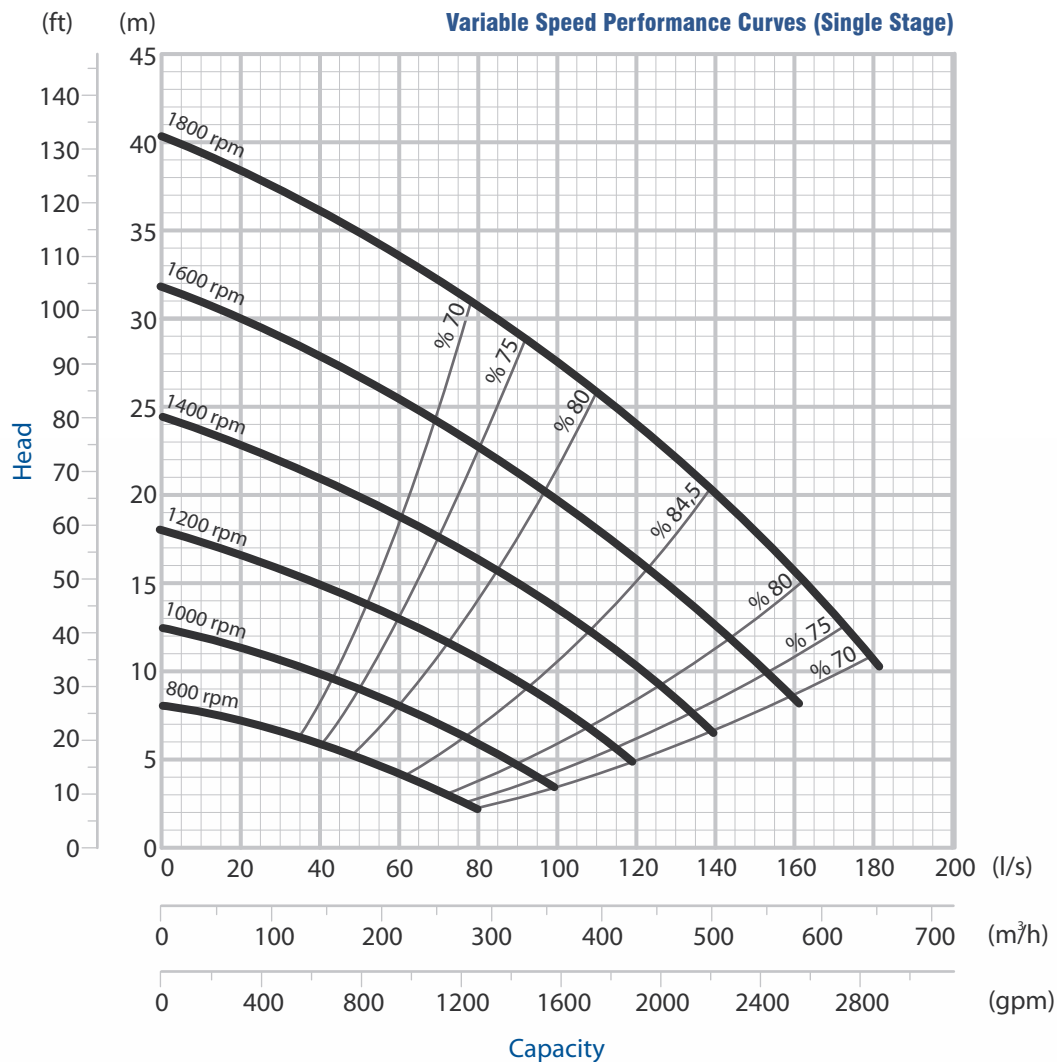
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

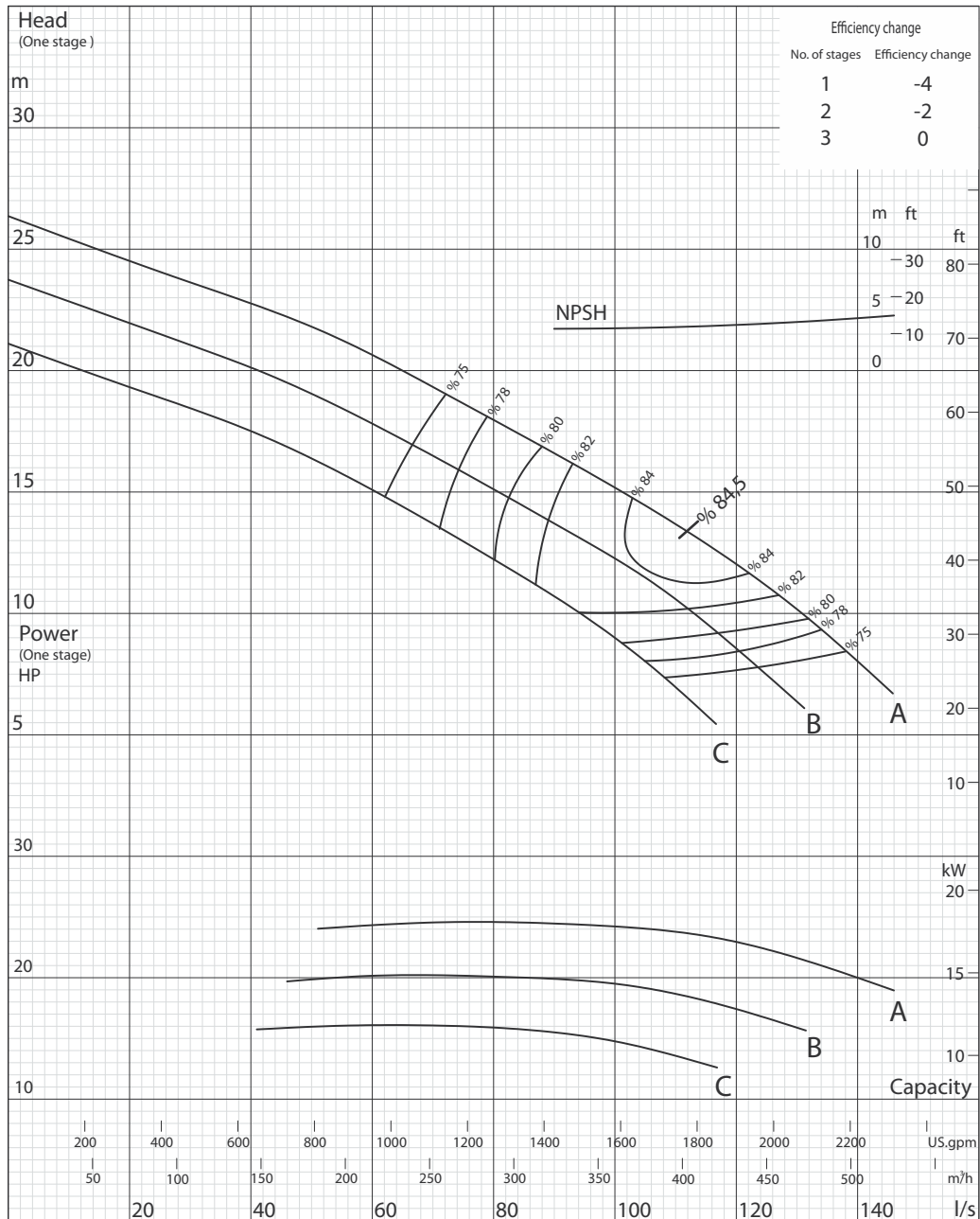
Dimensions

- (a) Minimum required submergence : 815 mm
 - (b) Bottom of bearing hub to imp.eye : 480 mm
 - (c) Suction case thread engagement : 175 mm
 - (d) Bowl diameter : 365 mm
 - (e) Length one-stage assembly : 742 mm
 - (f) Additional stage length : 315 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1432

No. of vanes
5

Thrust constant (K)
28,83 Kg/m

Pump outside diameter
365 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

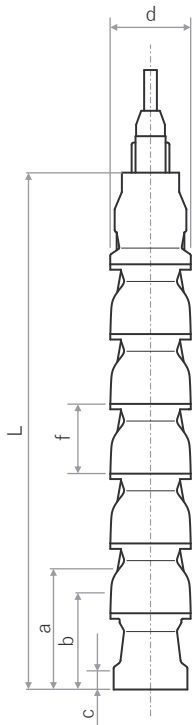
Shaft diameter
49,21 mm

WR²
0,174 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



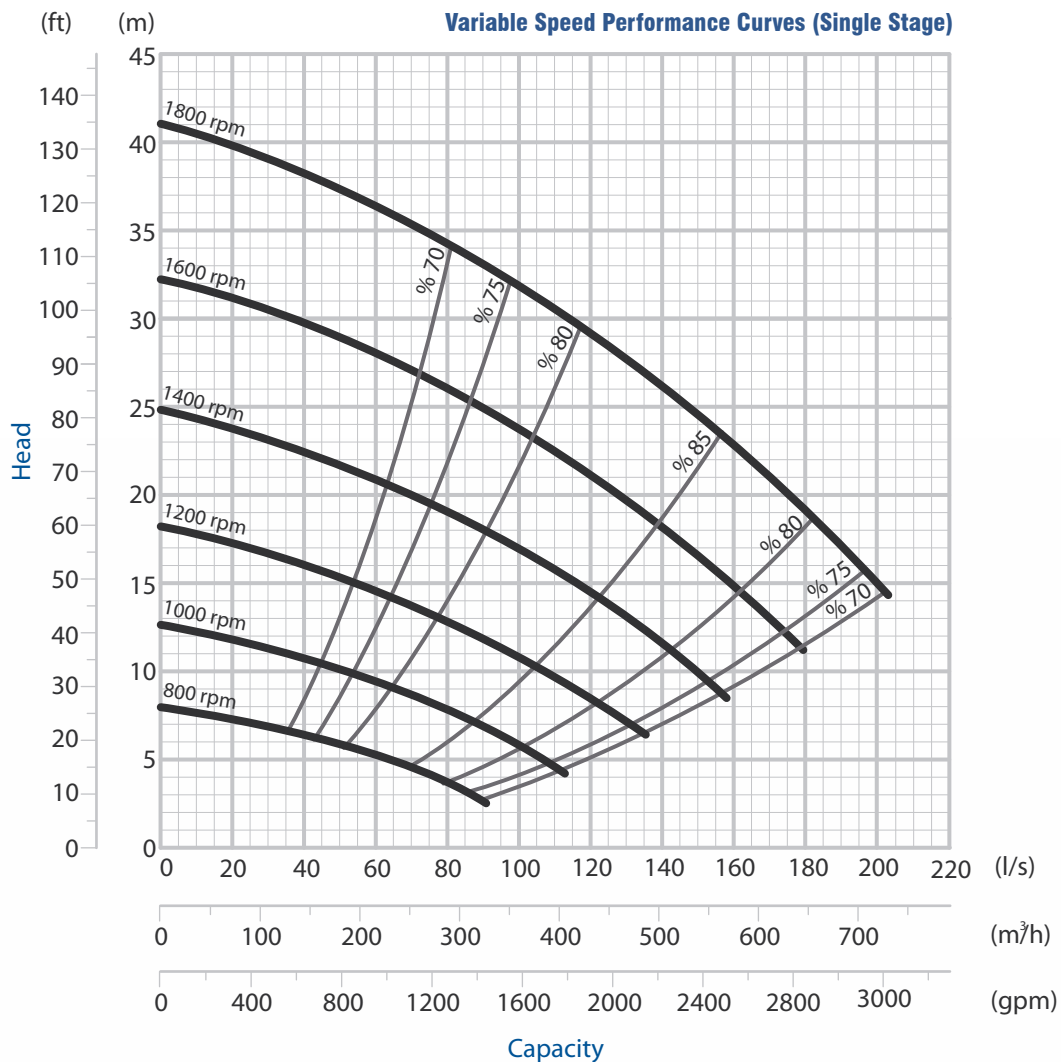
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

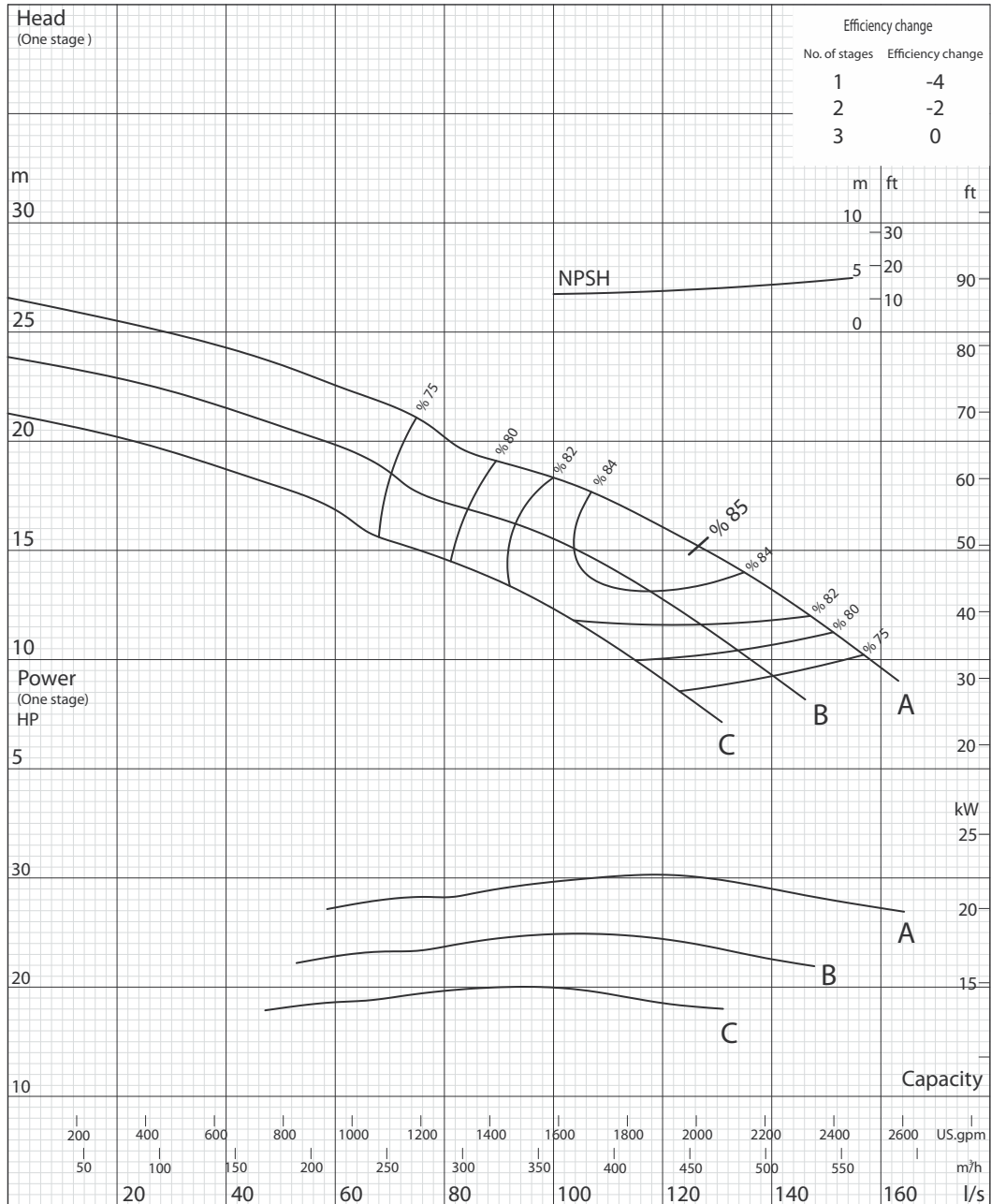
Dimensions

- (a) Minimum required submergence : 815 mm
 - (b) Bottom of bearing hub to imp.eye : 480 mm
 - (c) Suction case thread engagement : 175 mm
 - (d) Bowl diameter : 365 mm
 - (e) Length one-stage assembly : 742 mm
 - (f) Additional stage length : 315 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1433

No. of vanes
6

Thrust constant (K)
28,83 Kg/m

Pump outside diameter
365 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

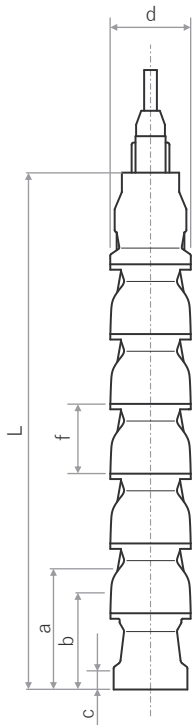
Shaft diameter
49,21 mm

WR²
0,174 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



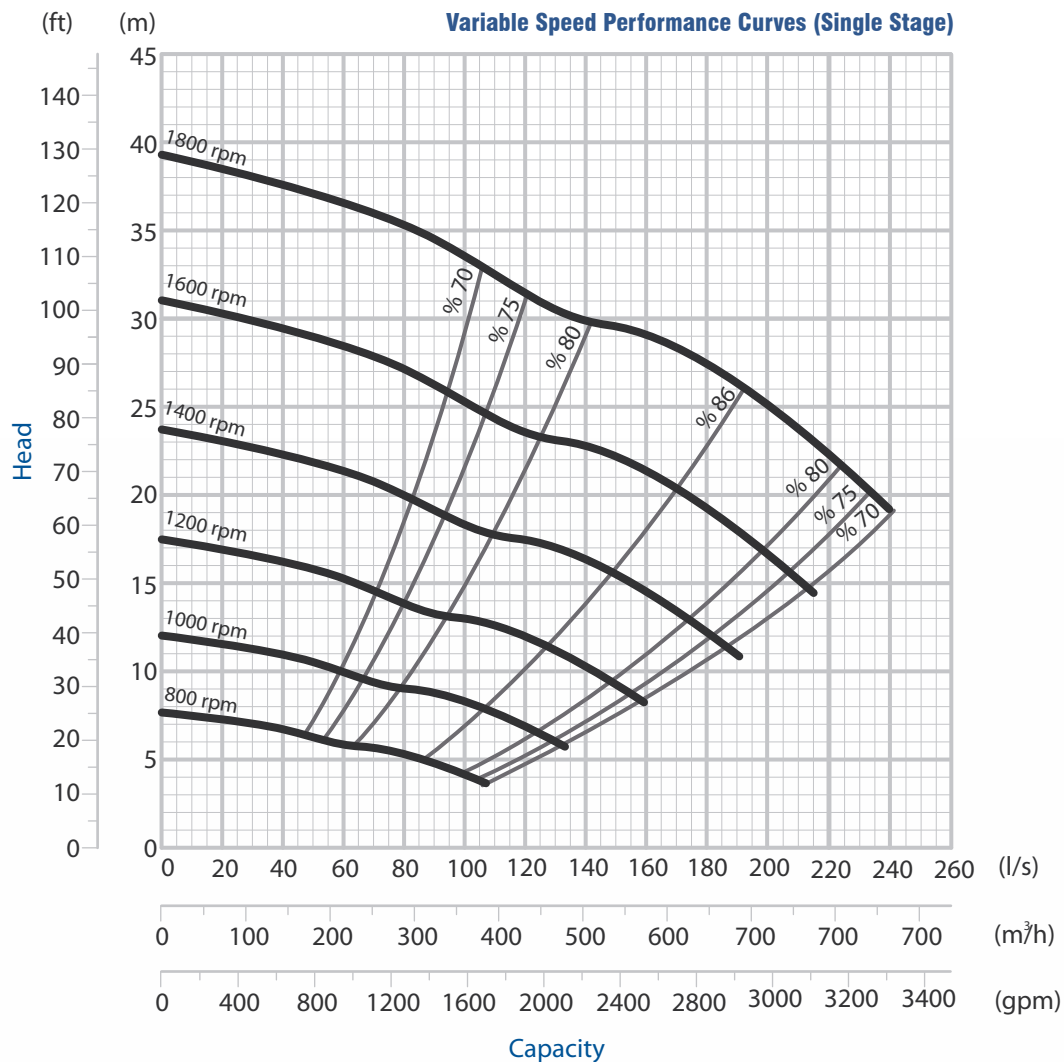
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

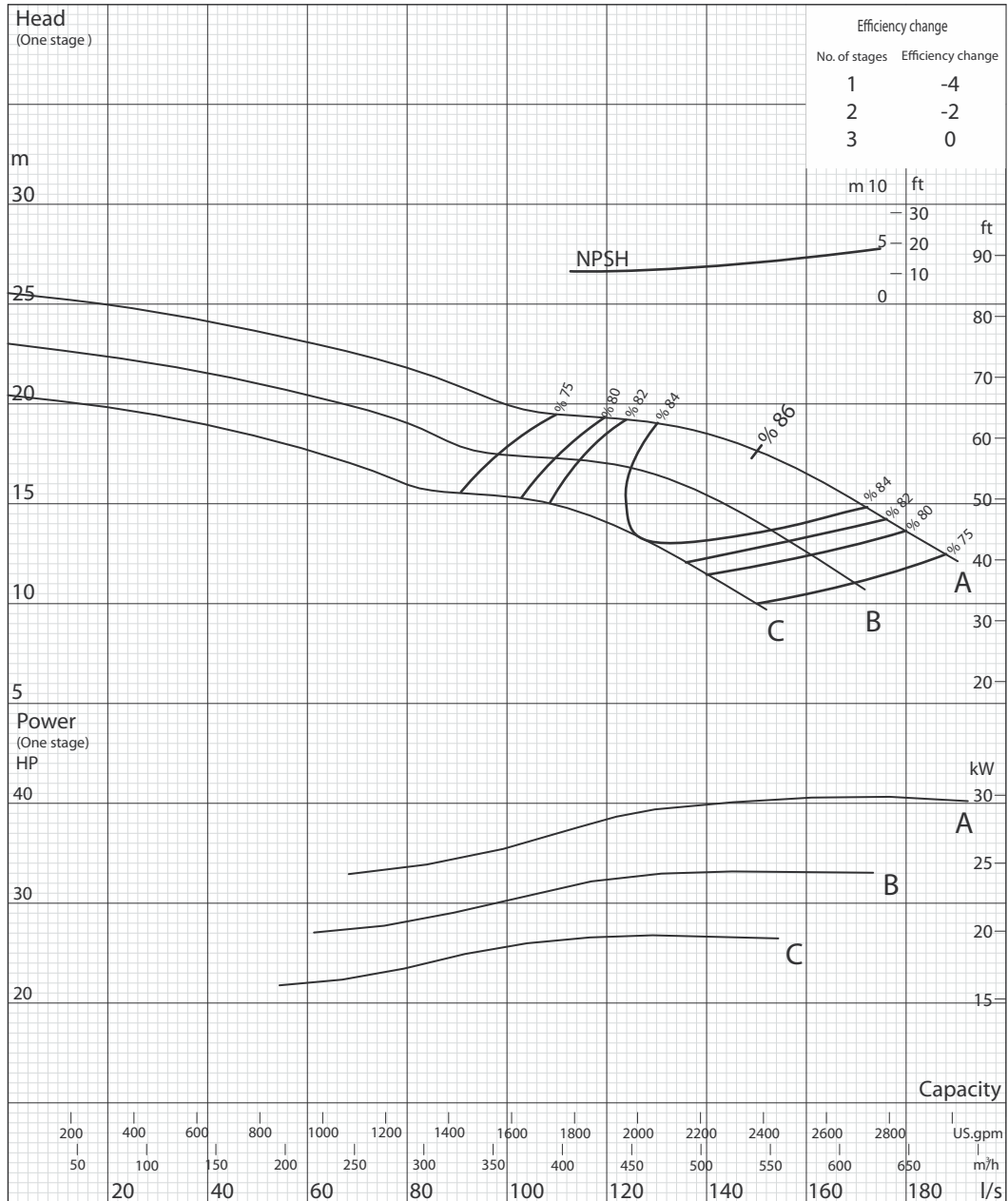
Dimensions

- (a) Minimum required submergence : 815 mm
 - (b) Bottom of bearing hub to imp.eye : 480 mm
 - (c) Suction case thread engagement : 175 mm
 - (d) Bowl diameter : 365 mm
 - (e) Length one-stage assembly : 742 mm
 - (f) Additional stage length : 315 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1434

No. of vanes
8

Thrust constant (K)
28,83 Kg/m

Pump outside diameter
365 mm

Max. number of stages
20

Rotation
CCW

Revolution
1450 rpm

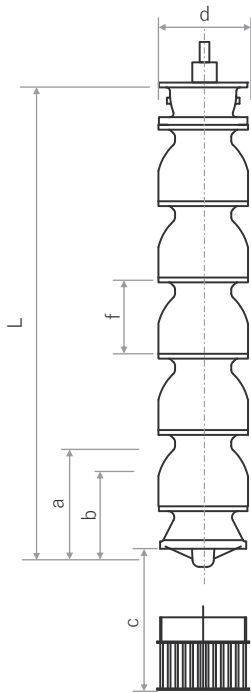
Shaft diameter
49,21 mm

WR²
0,174 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-4 | 2 → %-2

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



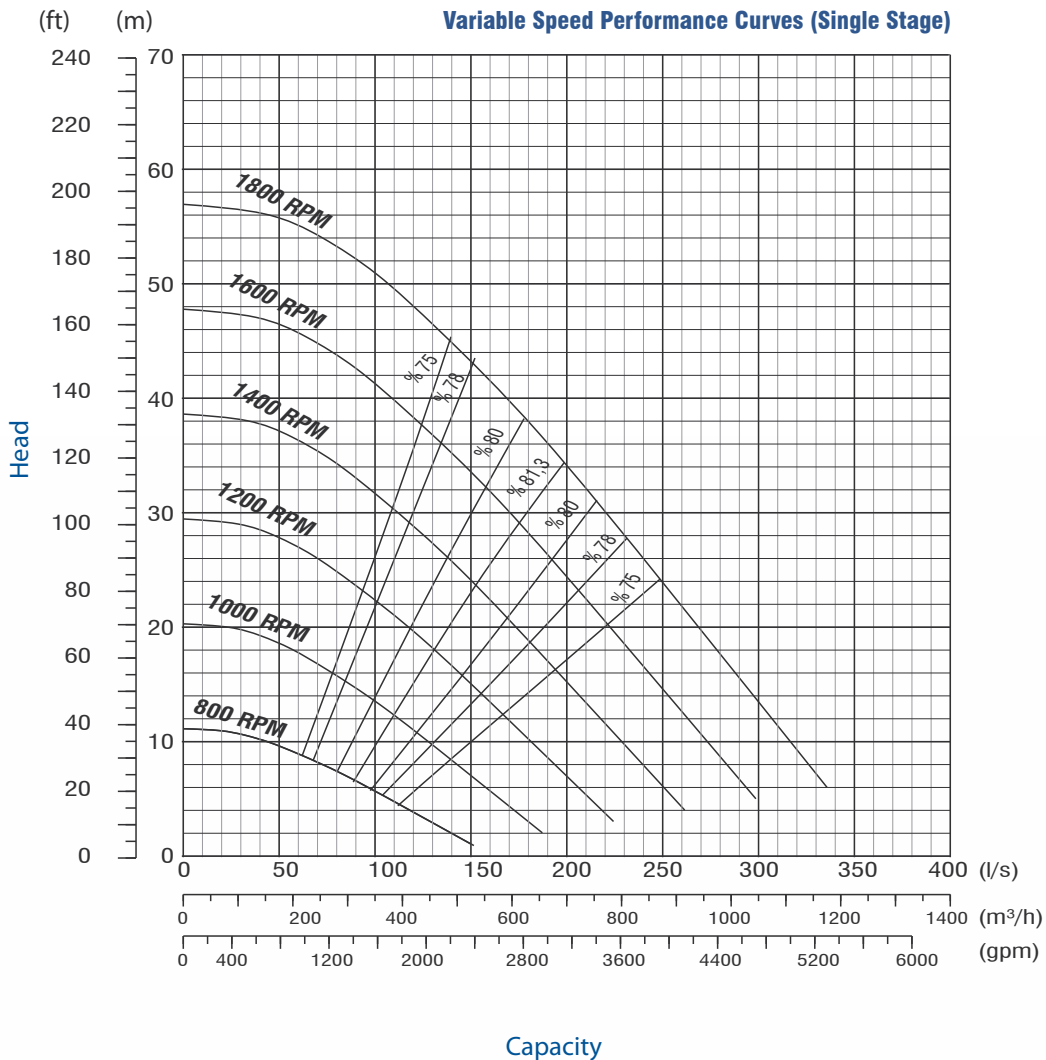
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

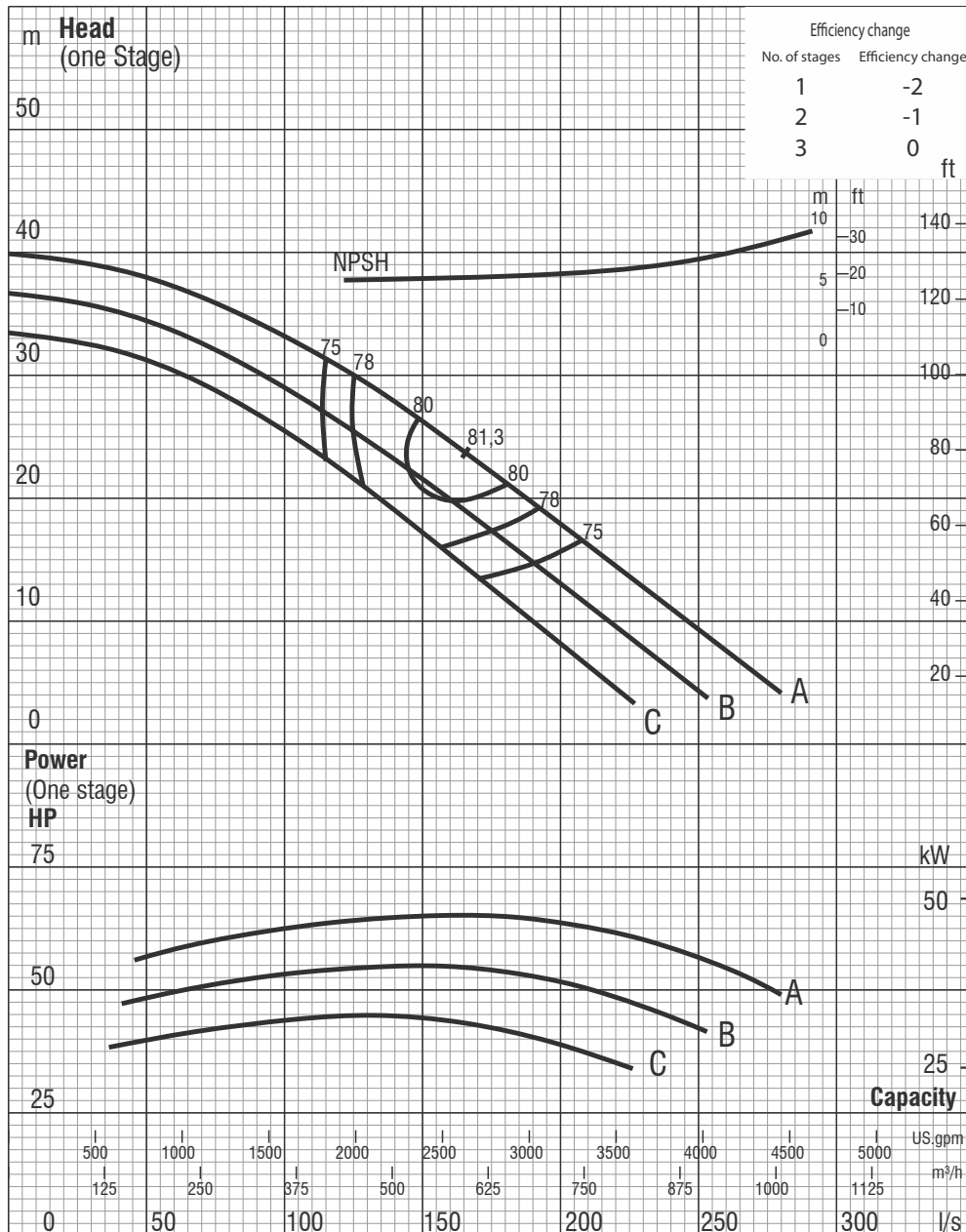
Dimensions

- (a) Minimum required submergence : 865 mm
 - (b) Bottom of bearing hub to imp. eye : 426 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 390 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1732

No. of vanes
5

Thrust constant (K)
43,08 Kg/m

Pump outside diameter
430 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

Shaft diameter
49,21 mm

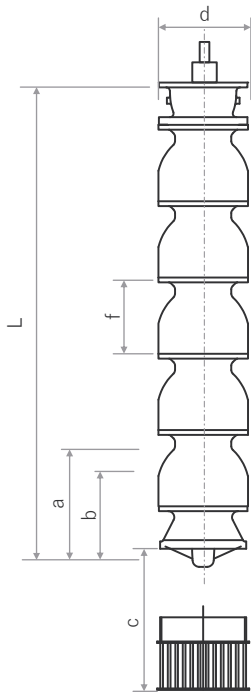
WR²
0,499 kg.m²

Efficiency deduction no of stages → deduct (%)

1 → %-2 | 2 → %-1 | 3 → %-0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



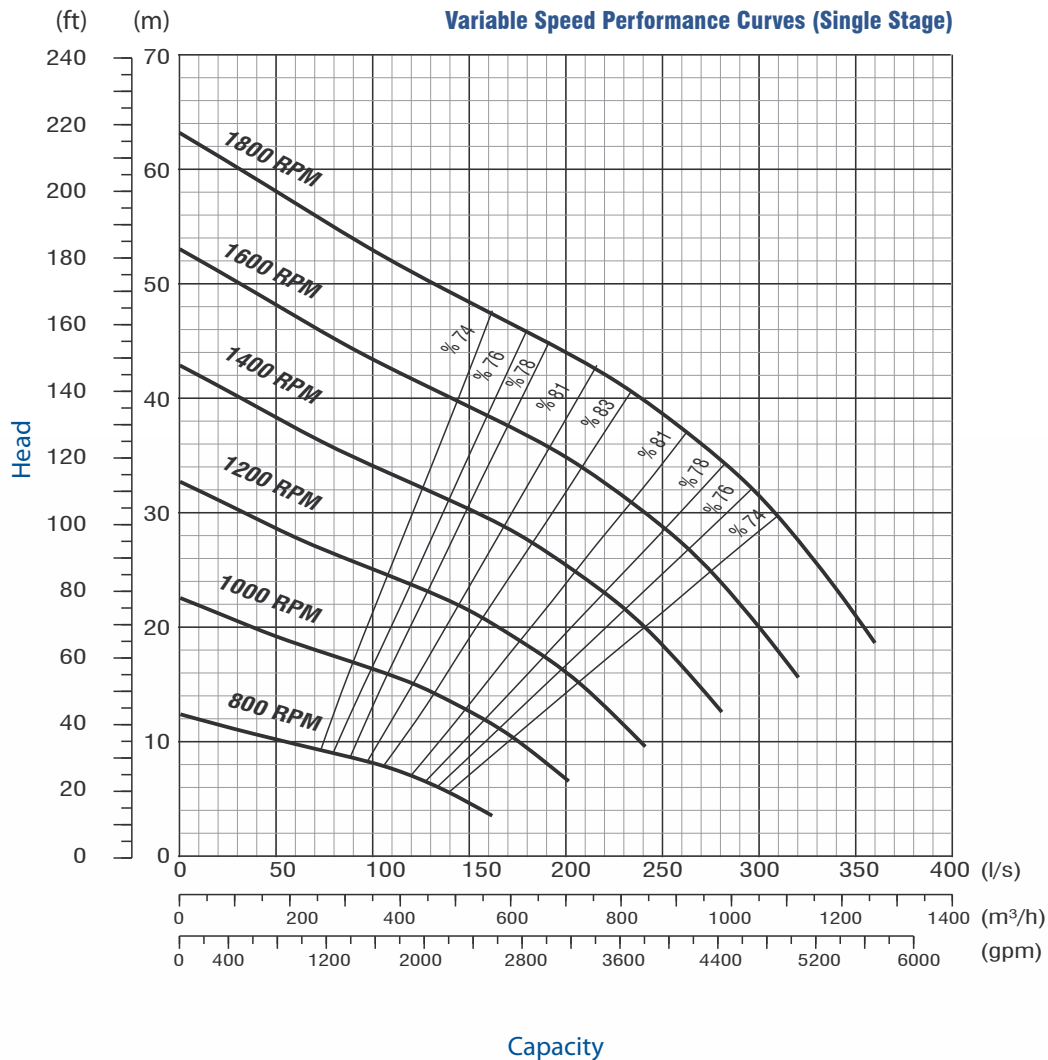
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

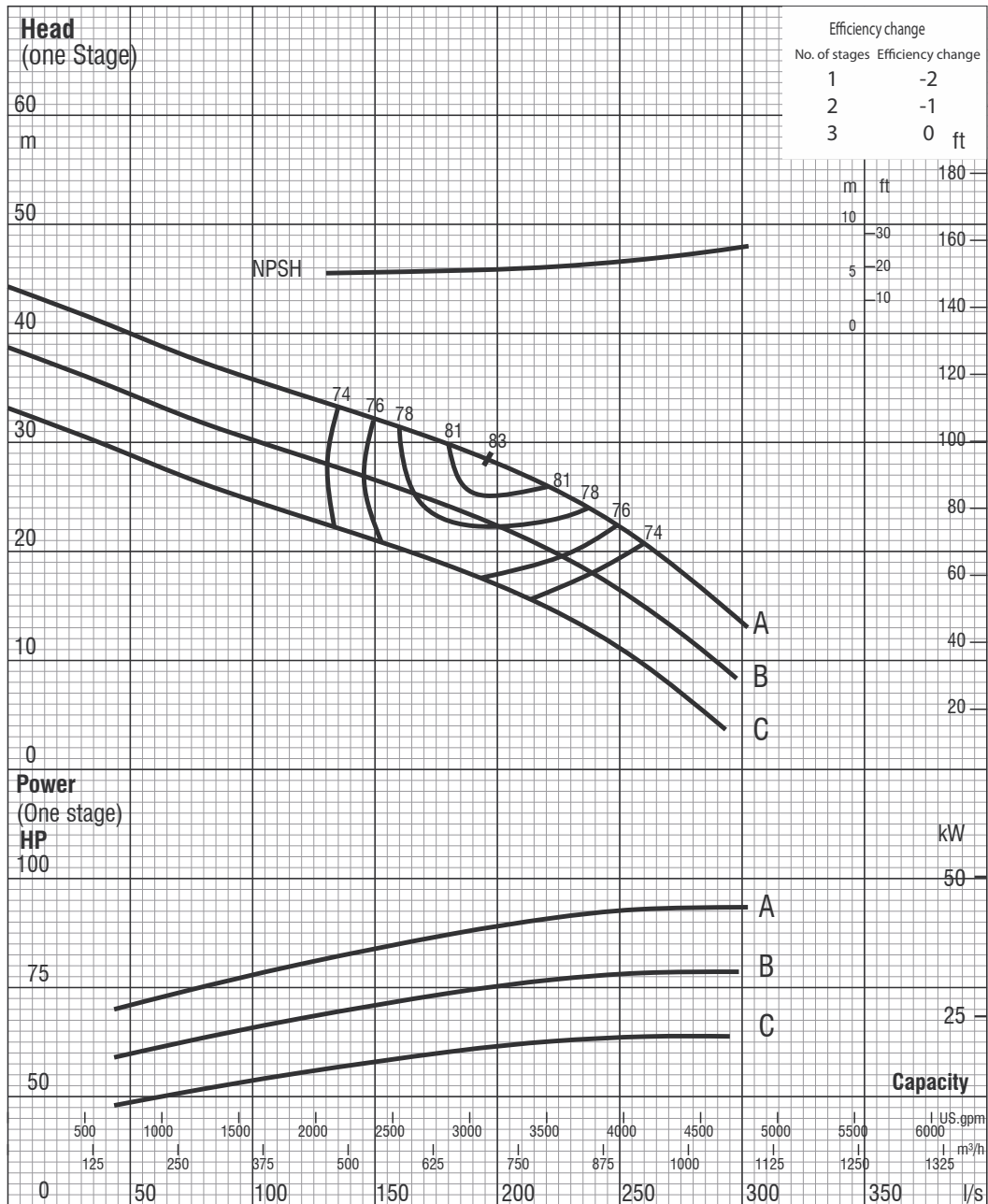
Dimensions

- (a) Minimum required submergence : 865 mm
 - (b) Bottom of bearing hub to imp. eye : 426 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 390 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1733

No. of vanes
6

Thrust constant (K)
43,08 Kg/m

Pump outside diameter
430 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

Shaft diameter
49,21 mm

WR²
0,499 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %-0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications

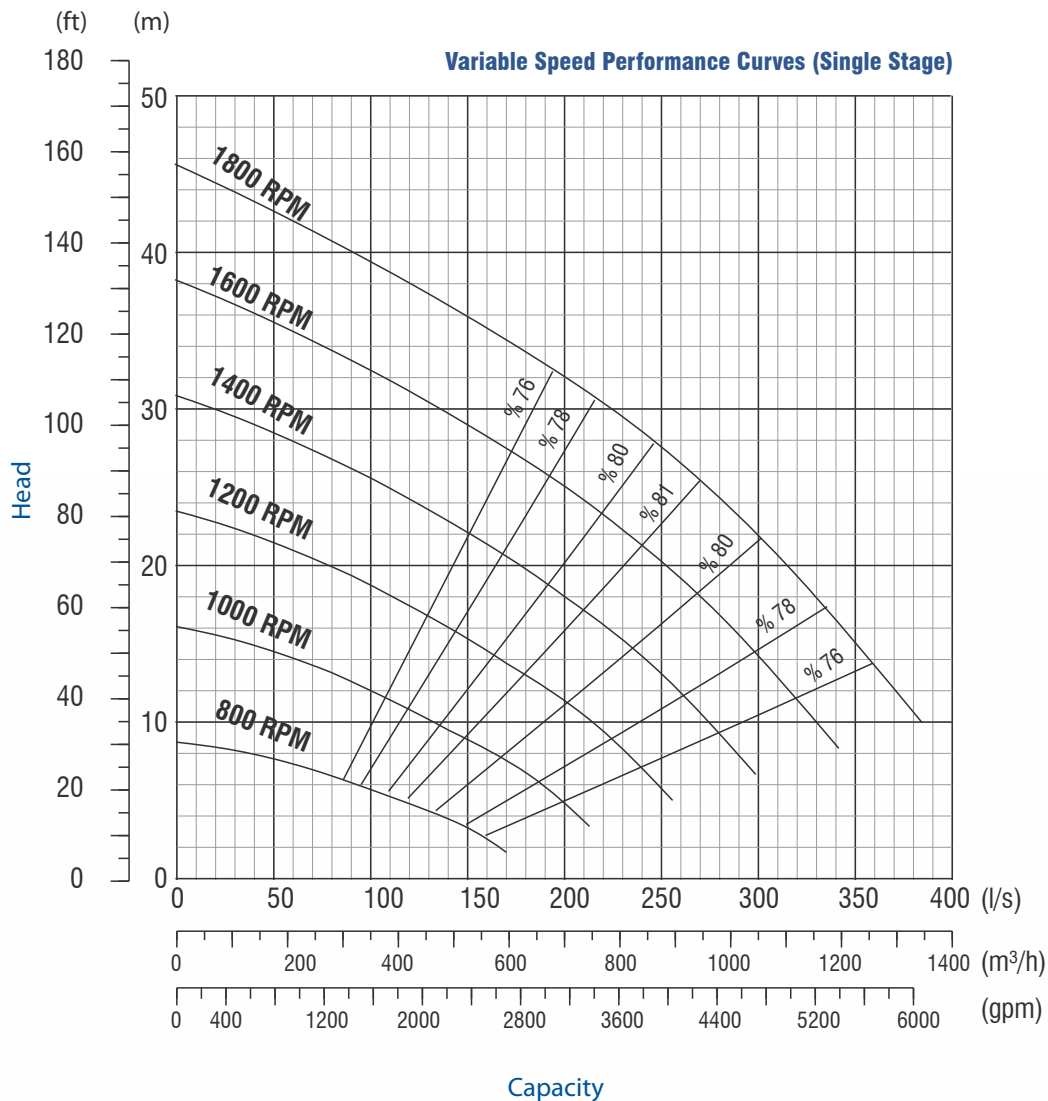
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

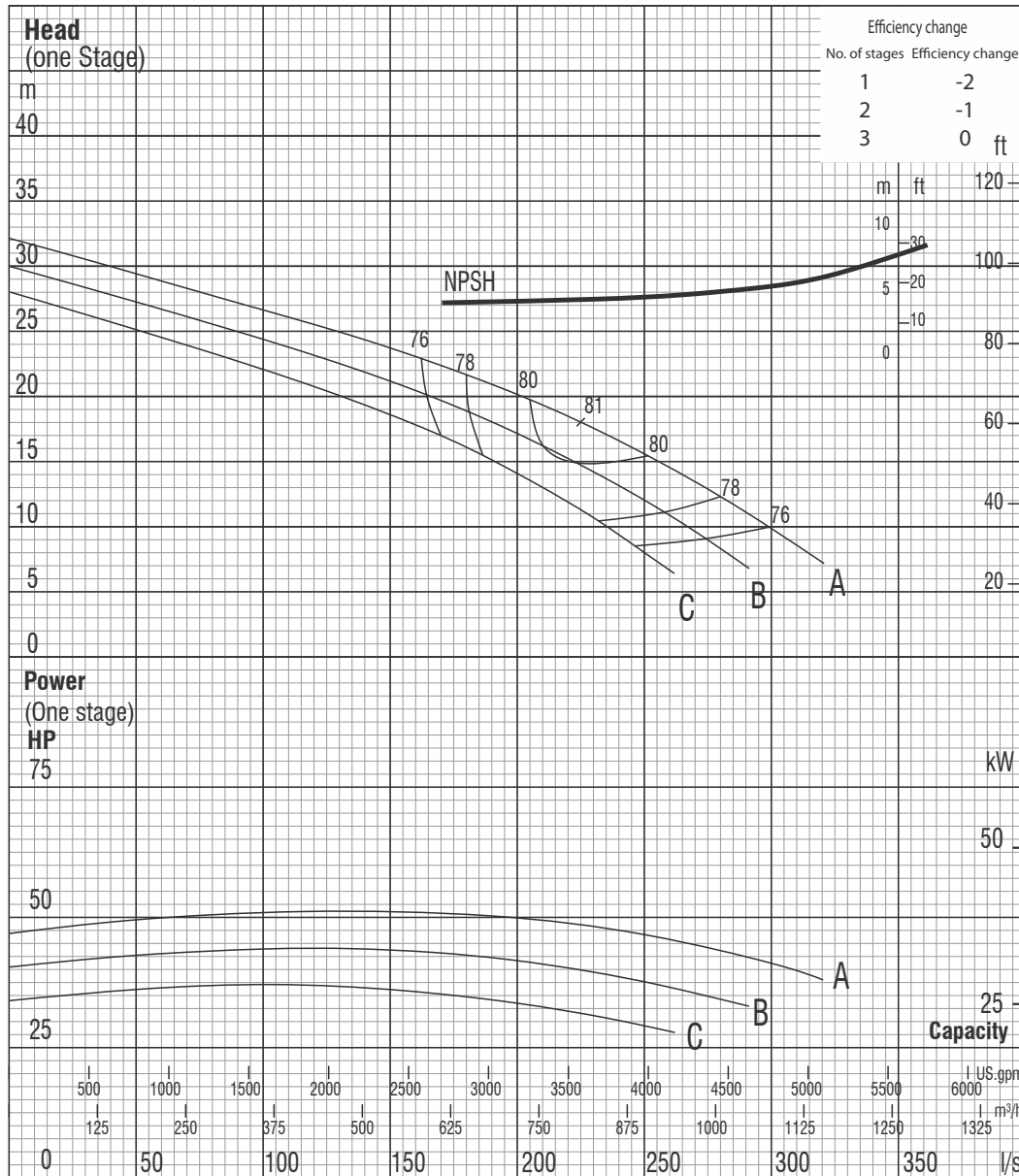
Dimensions

- (a) Minimum required submergence : 865 mm
 - (b) Bottom of bearing hub to imp. eye : 426 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 390 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



www.dynapumps.com.au



Dynapumps Offices Australia & Chile

VTP 1734

No. of vanes
8

Thrust constant (K)
43,08 Kg/m

Pump outside diameter
430 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

Shaft diameter
49,21 mm

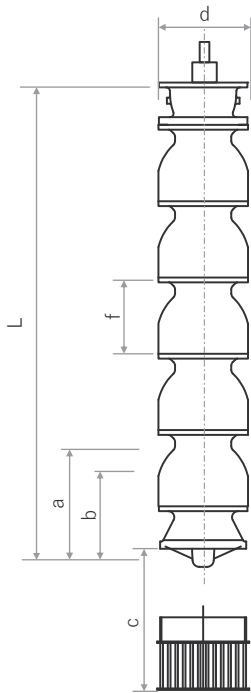
WR²
0,499 kg.m²

Efficiency deduction no of stages → deduct (%)

1 → %-2 | 2 → %-1 | 3 → %-0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



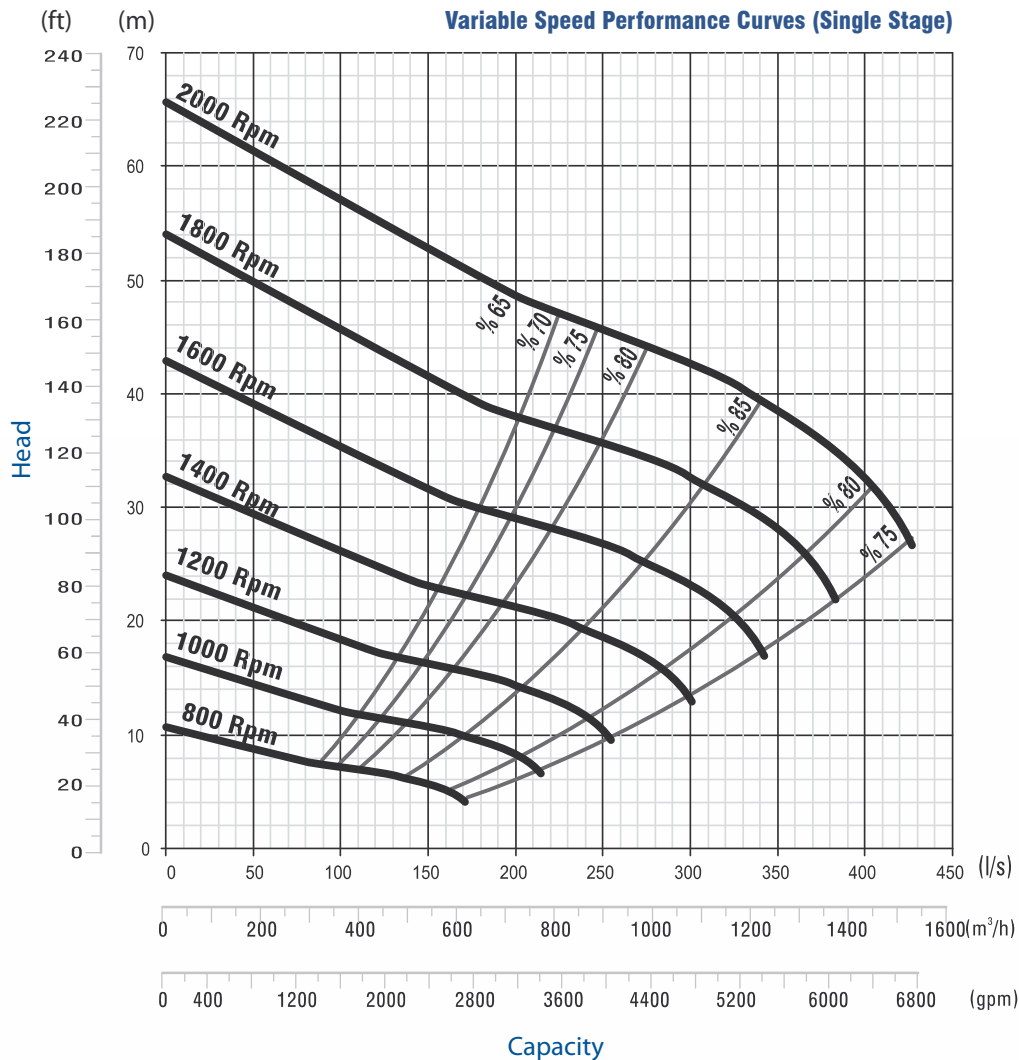
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

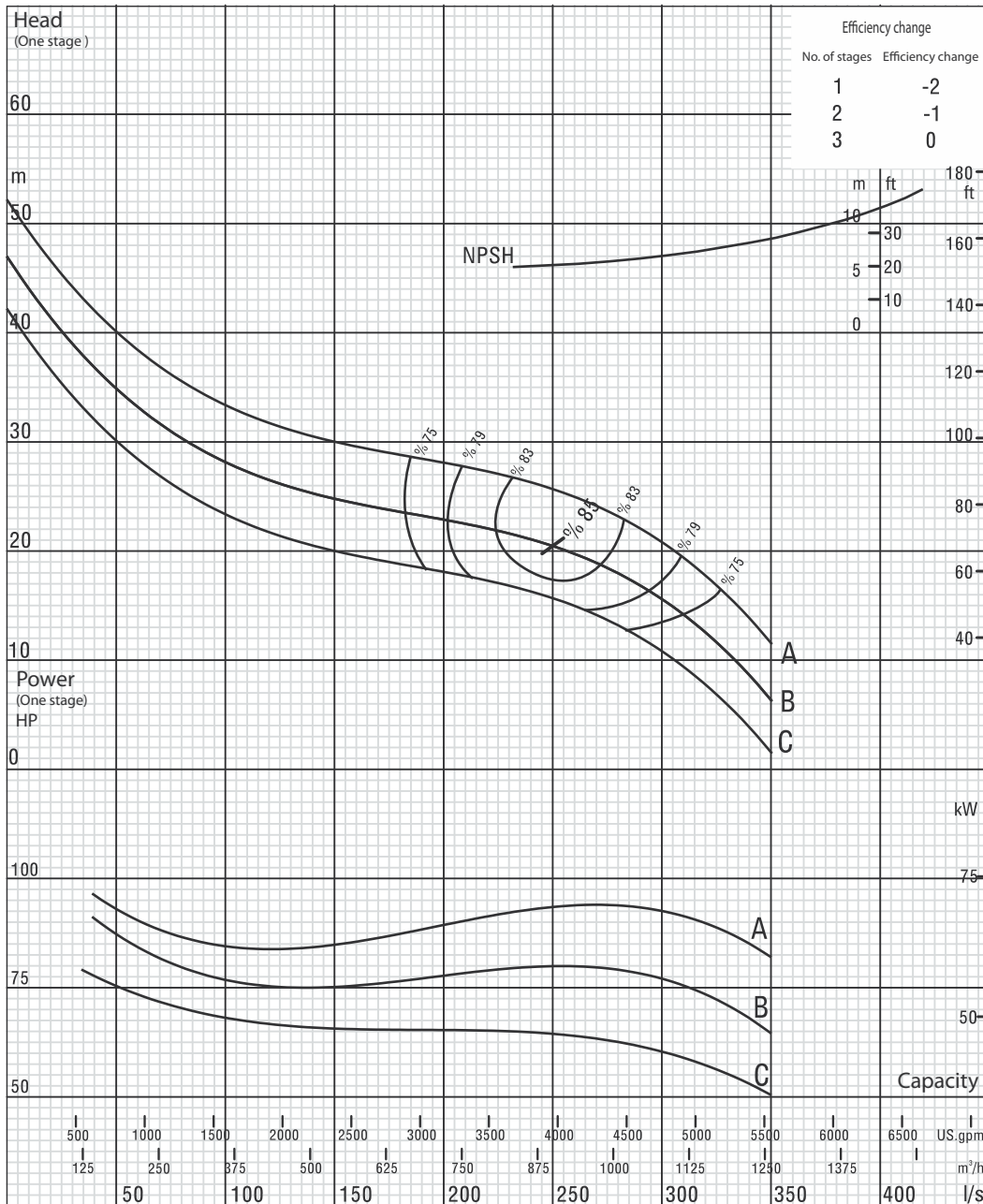
Dimensions

- (a) Minimum required submergence : 889 mm
 - (b) Bottom of bearing hub to imp. eye : 435 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 400 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 1752

No. of vanes
5

Thrust constant (K)
56,93 Kg/m

Pump outside diameter
430 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

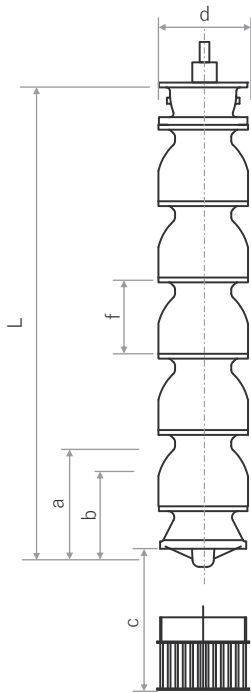
Shaft diameter
49,21 mm

WR²
0,677 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %-0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



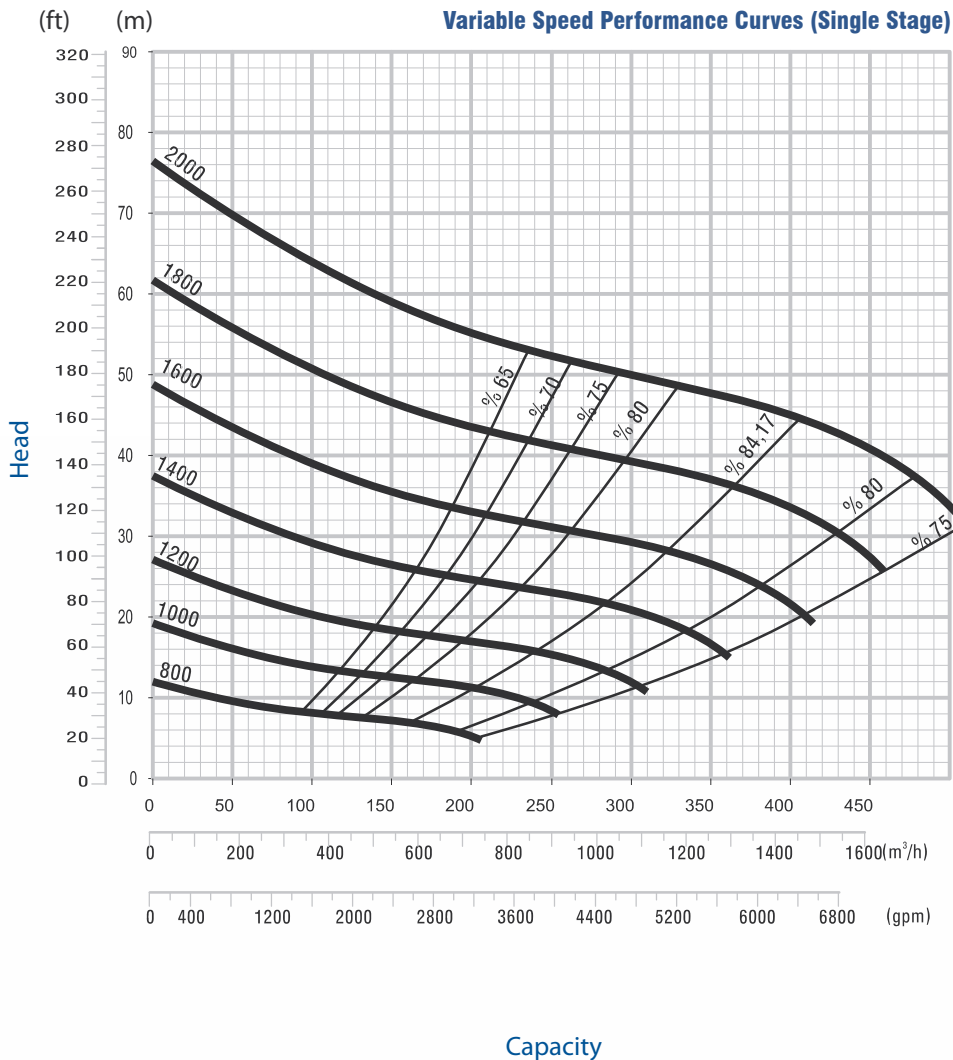
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

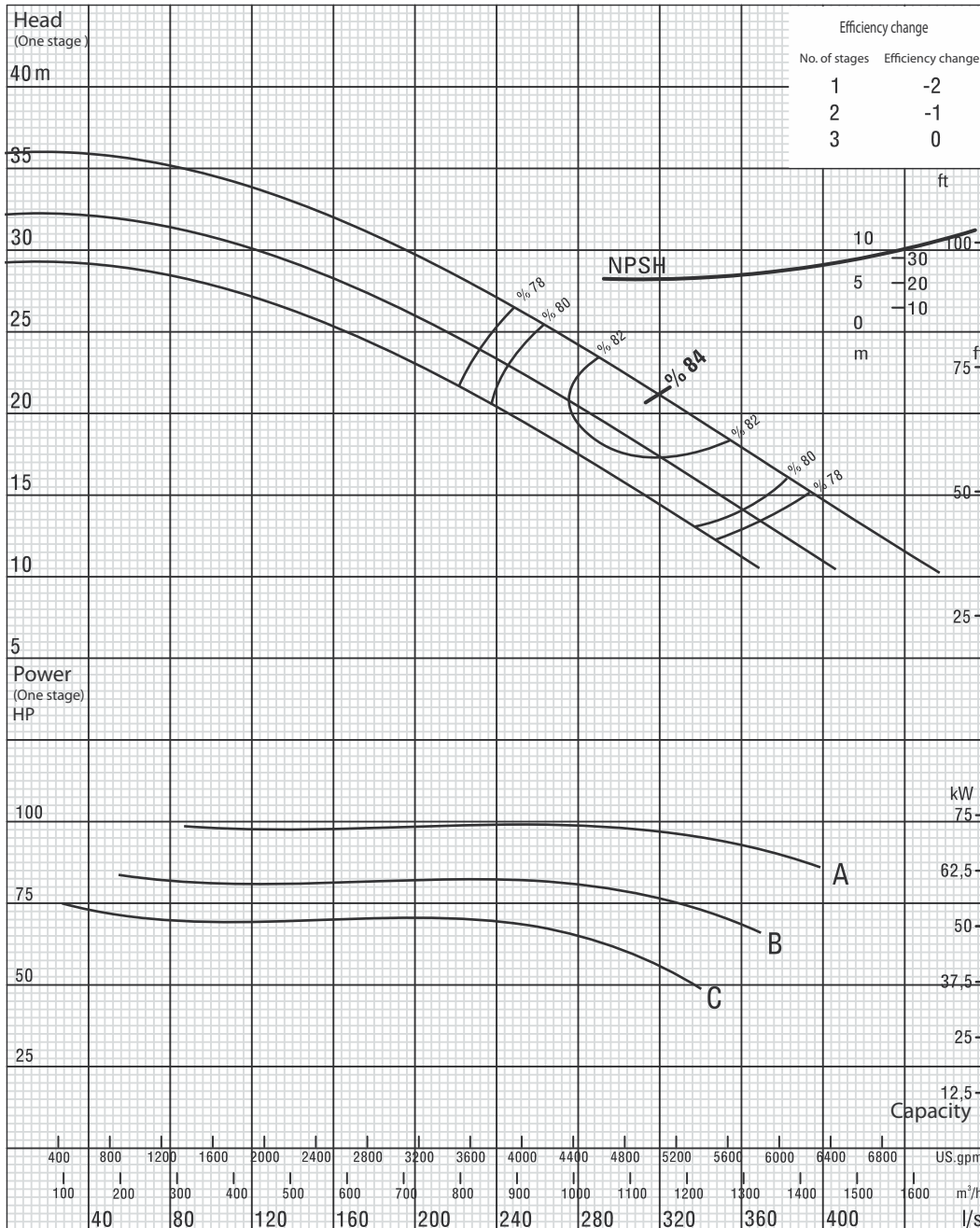
Dimensions

- (a) Minimum required submergence : 889 mm
 - (b) Bottom of bearing hub to imp.eye : 435 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 400 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



www.dynapumps.com.au



Dynapumps Offices Australia & Chile

VTP 1753

No. of vanes
6

Thrust constant (K)
56,93 Kg/m

Pump outside diameter
430 mm

Max. number of stages
2

Rotation
CCW

Revolution
1450 rpm

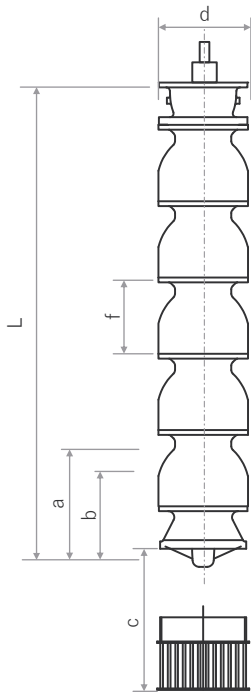
Shaft diameter
49,21 mm

WR²
0,677 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



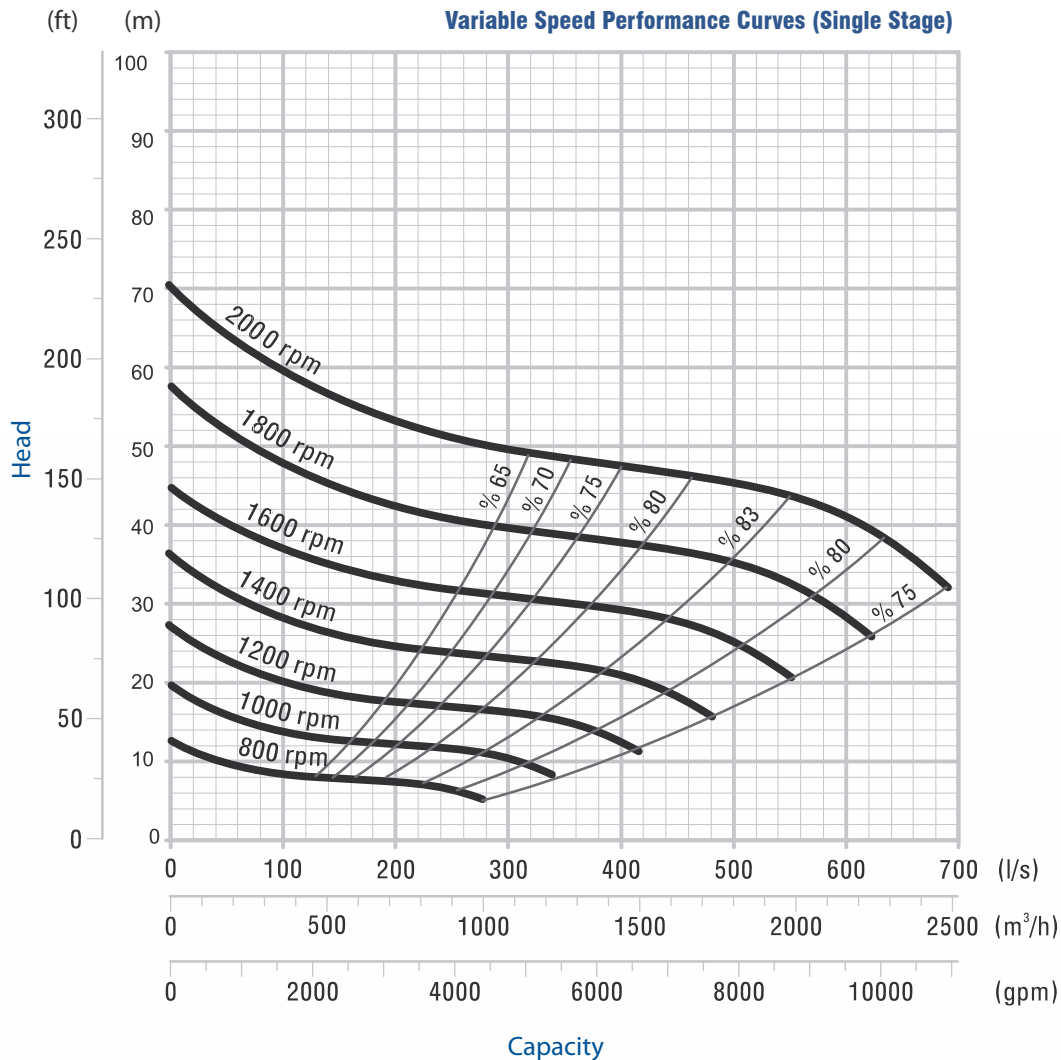
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

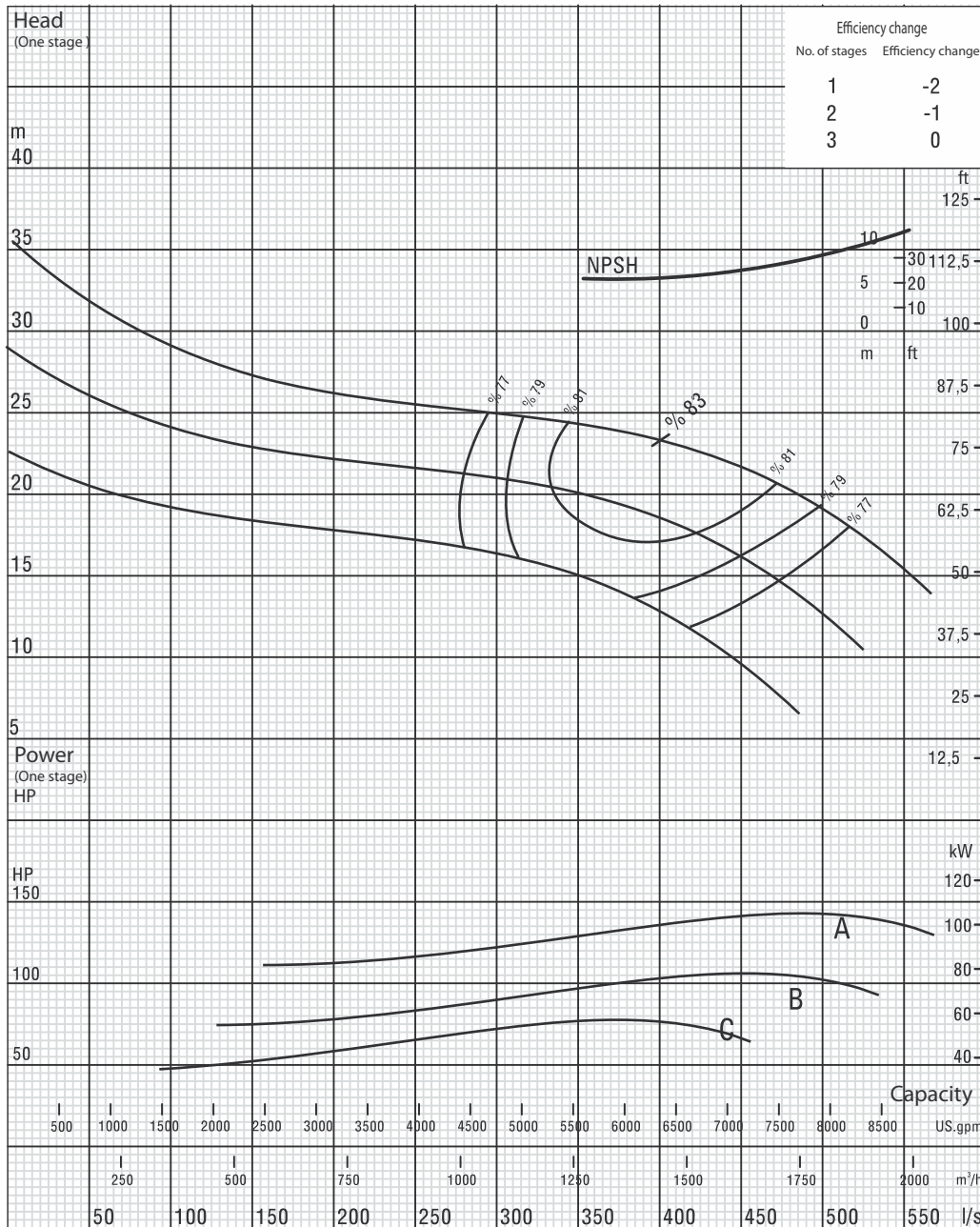
Dimensions

- (a) Minimum required submergence : 965 mm
 - (b) Bottom of bearing hub to imp. eye : 435 mm
 - (c) Suction case thread engagement : 400 mm
 - (d) Bowl diameter : 430 mm
 - (e) Length one-stage assembly : 900 mm
 - (f) Additional stage length : 400 mm
- (L) Pump length: e + (no. of stages -1) x f



1450 rpm

Performance Curves (Single Stage)



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VTP 1754

No. of vanes
8

Thrust constant (K)
56,93 Kg/m

Pump outside diameter
430 mm

Max. number of stages
2

Rotation
CCW

Revolution
1450 rpm

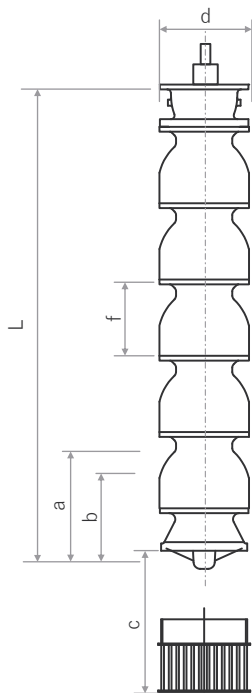
Shaft diameter
49,21 mm

WR²
0,677 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



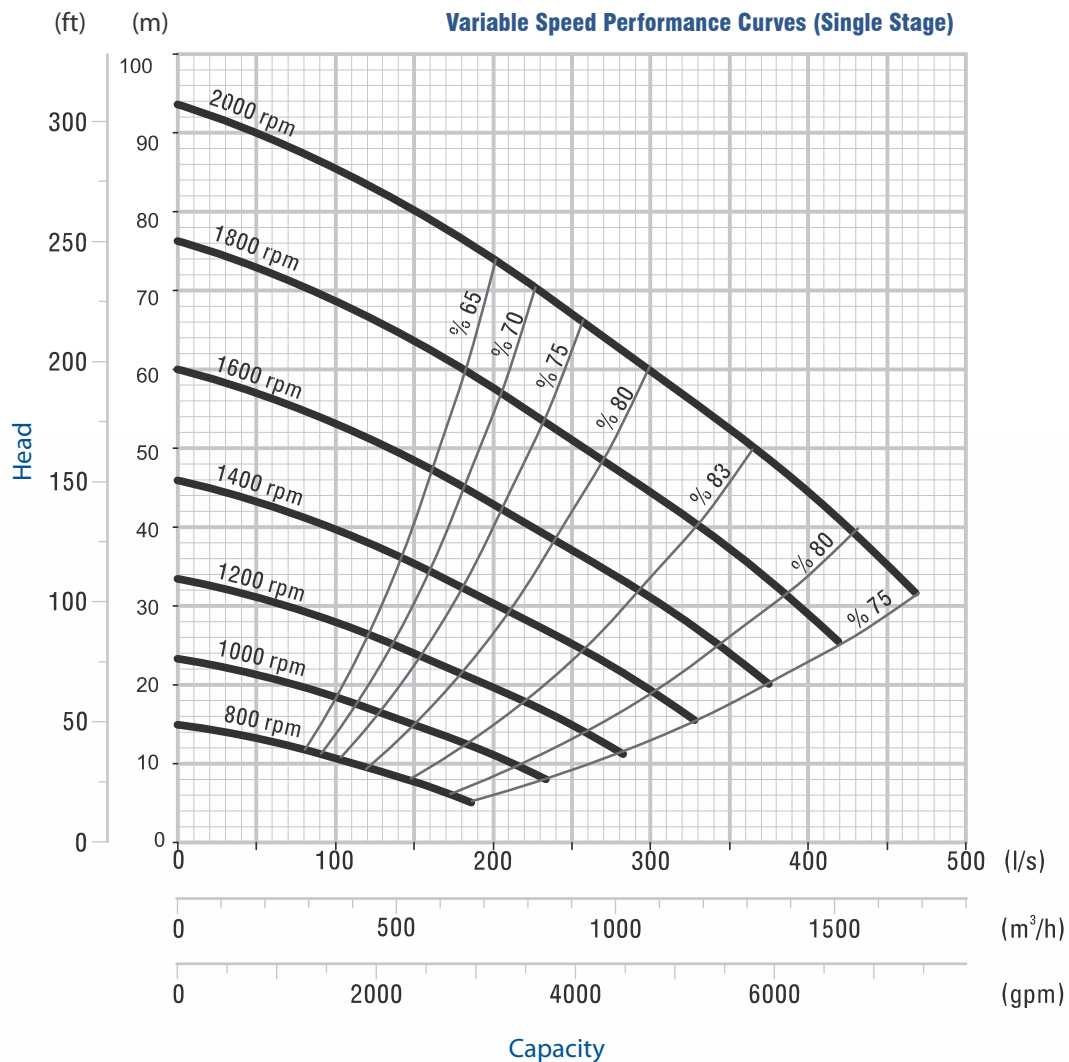
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

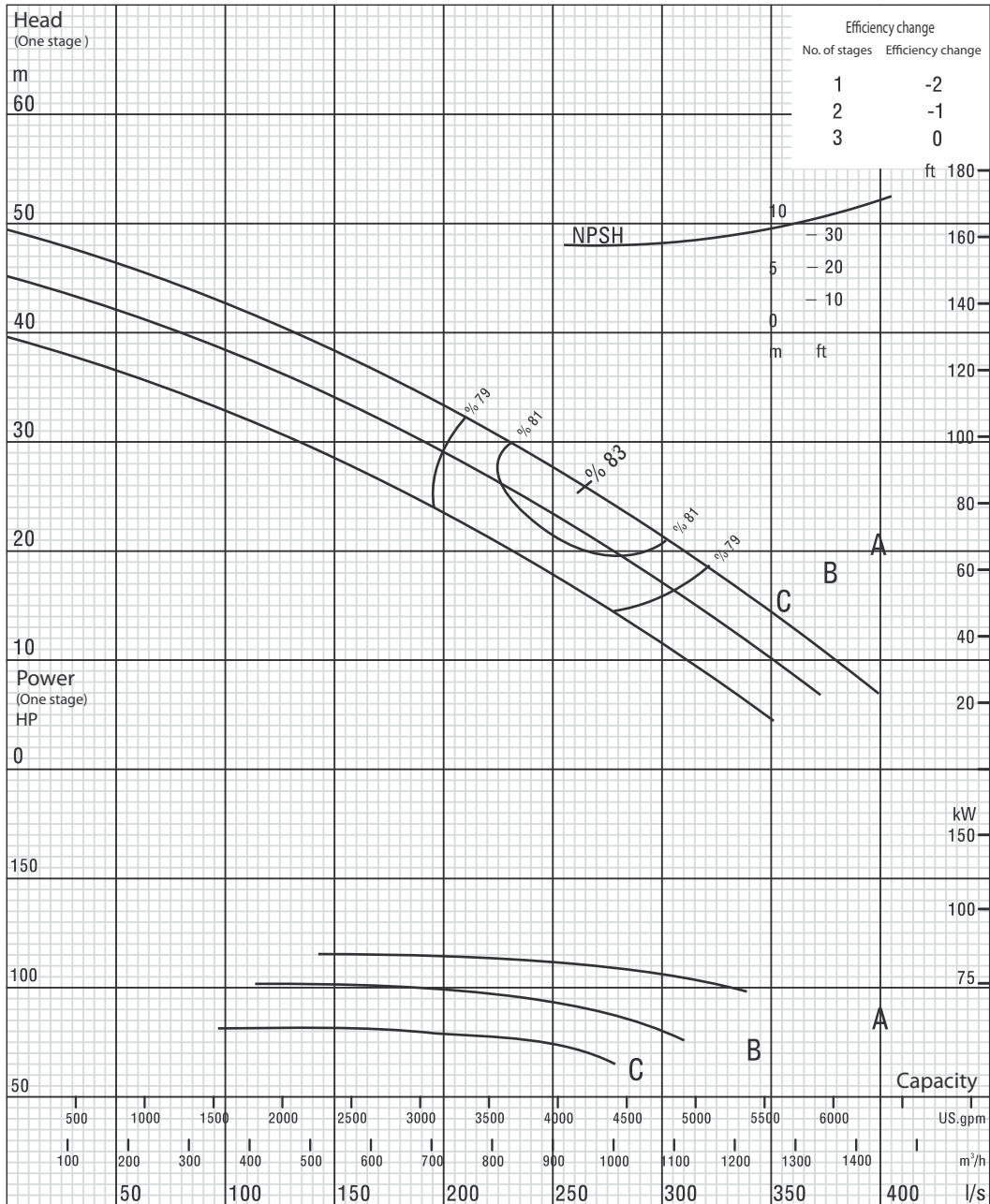
Dimensions

- (a) Minimum required submergence : 838 mm
 - (b) Bottom of bearing hub to imp. eye : 465 mm
 - (c) Suction case thread engagement : 450 mm
 - (d) Bowl diameter : 500 mm
 - (e) Length one-stage assembly : 1005 mm
 - (f) Additional stage length : 420 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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Dynapumps Offices Australia & Chile

VTP 2032

No. of vanes
5

Thrust constant (K)
62,26 Kg/m

Pump outside diameter
500 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

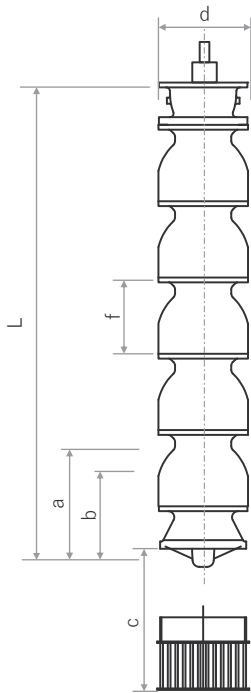
Shaft diameter
61,91 mm

WR²
0,813 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



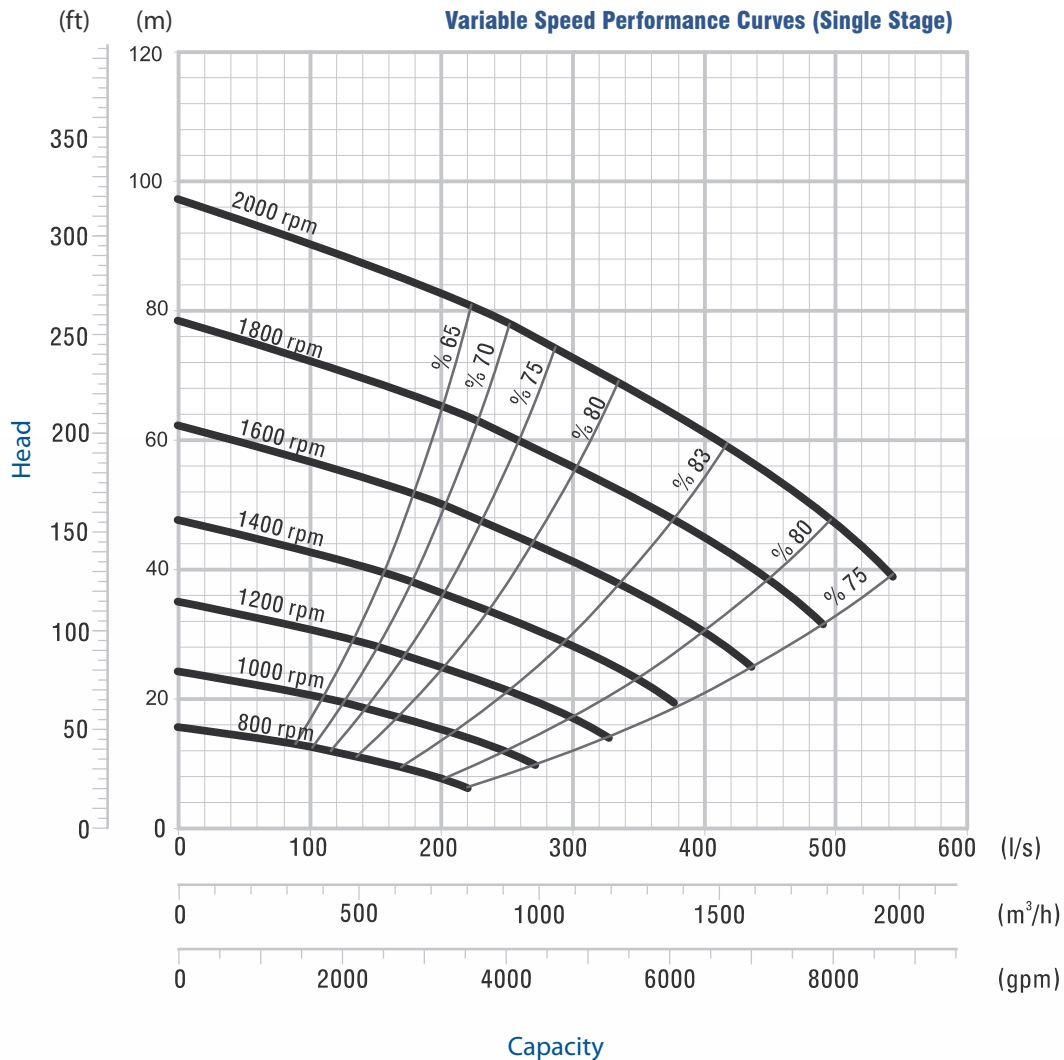
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

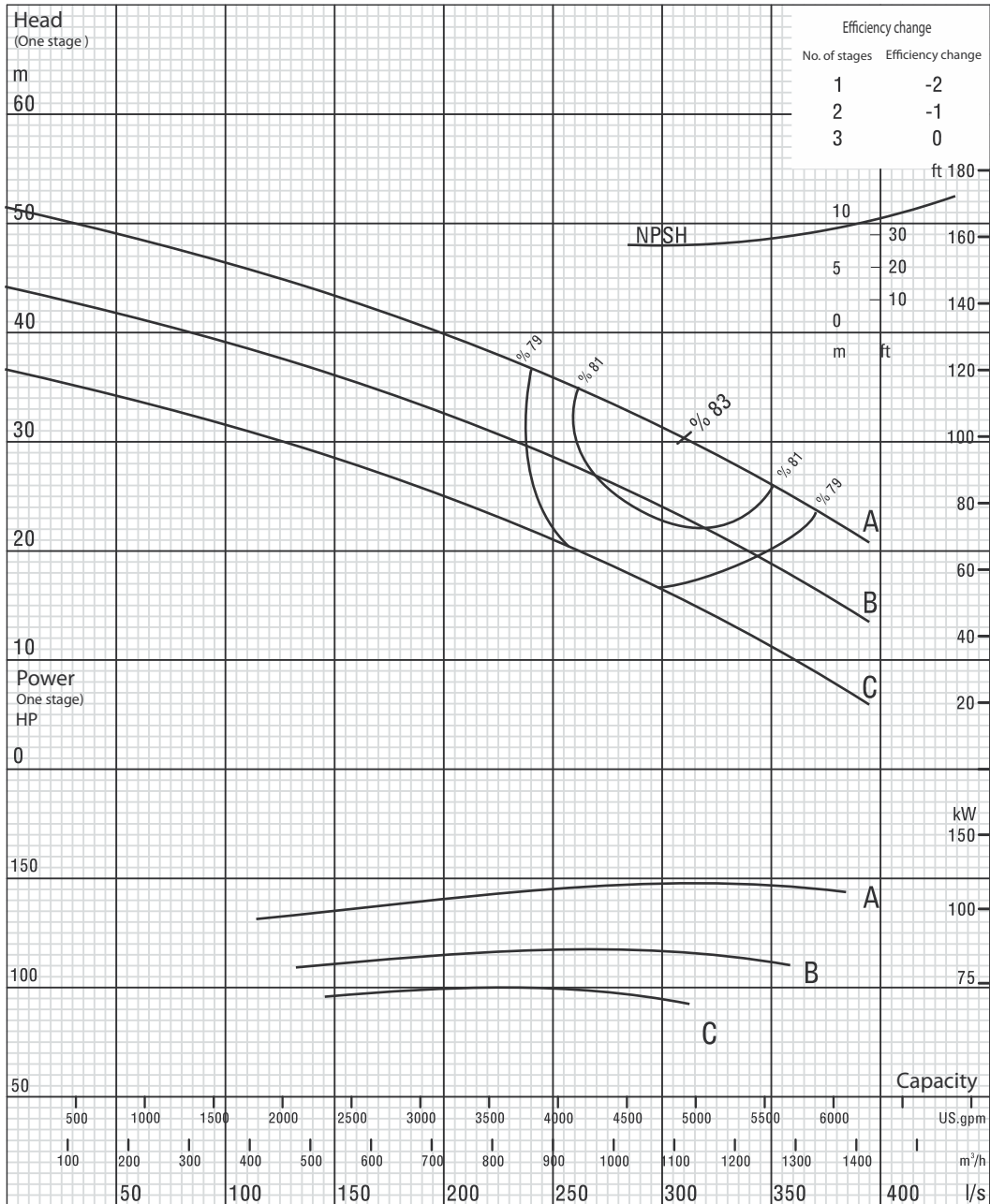
Dimensions

- (a) Minimum required submergence : 889 mm
 - (b) Bottom of bearing hub to imp.eye : 465 mm
 - (c) Suction case thread engagement : 450 mm
 - (d) Bowl diameter : 500 mm
 - (e) Length one-stage assembly : 1005 mm
 - (f) Additional stage length : 420 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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VTP 2033

No. of vanes
6

Thrust constant (K)
62,26 Kg/m

Pump outside diameter
500 mm

Max. number of stages
3

Rotation
CCW

Revolution
1450 rpm

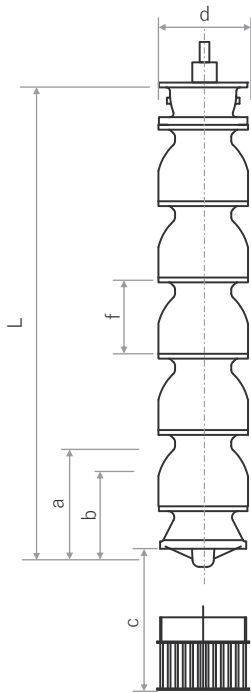
Shaft diameter
61,91 mm

WR²
0,813 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Technical Specifications



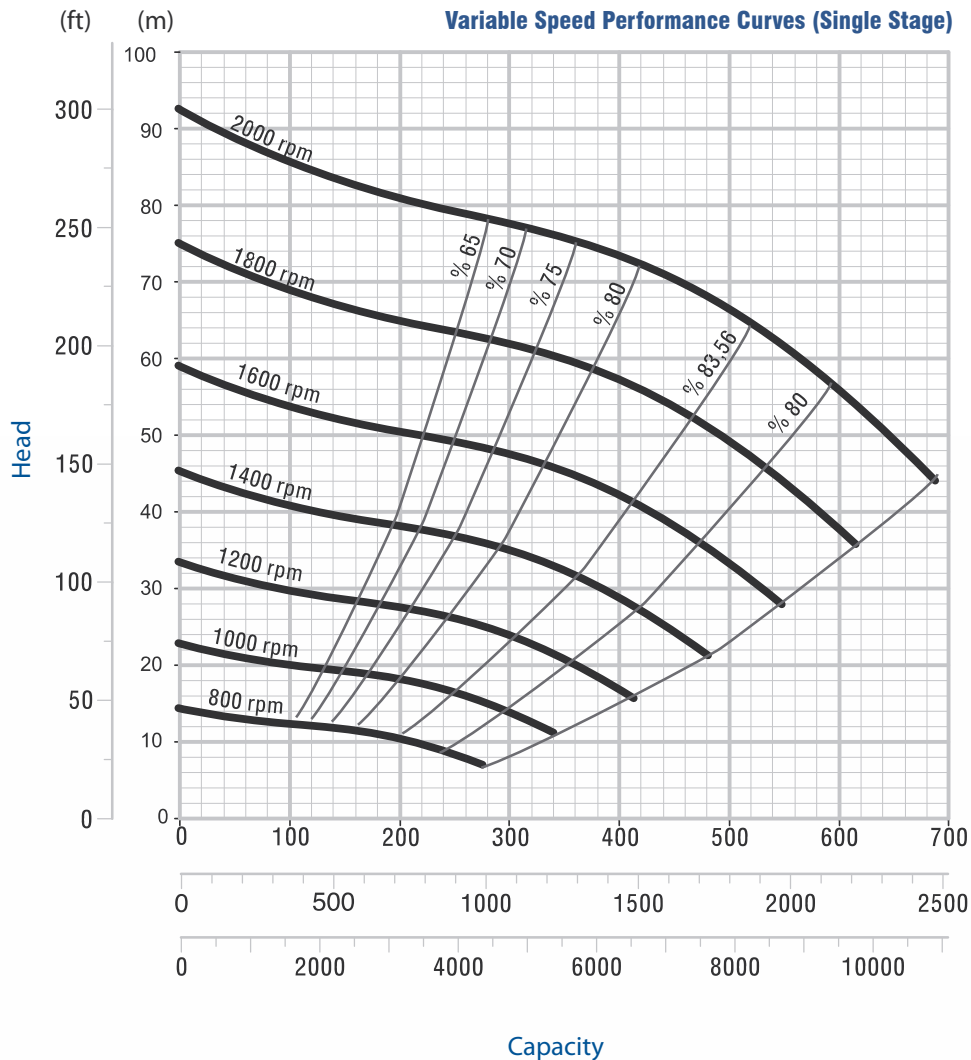
Material

- Impellers** : Cast iron (ASTM A48 Class 30 B) or Bronze (ASTM B145 4A)
- Bowls** : Cast Iron (ASTM A48 Class 30B)
- Pump shaft** : Stainless Steel (ASTM A582 Type 416 - 420)
- Impeller lock collet** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)
- Lineshafts** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1045)
- Lineshaft coupling** : Stainless Steel (ASTM A582 Type 416 - 420) or Carbon Steel (ASTM A108 - 61 Gr 1035)

Please contact us for optional materials.

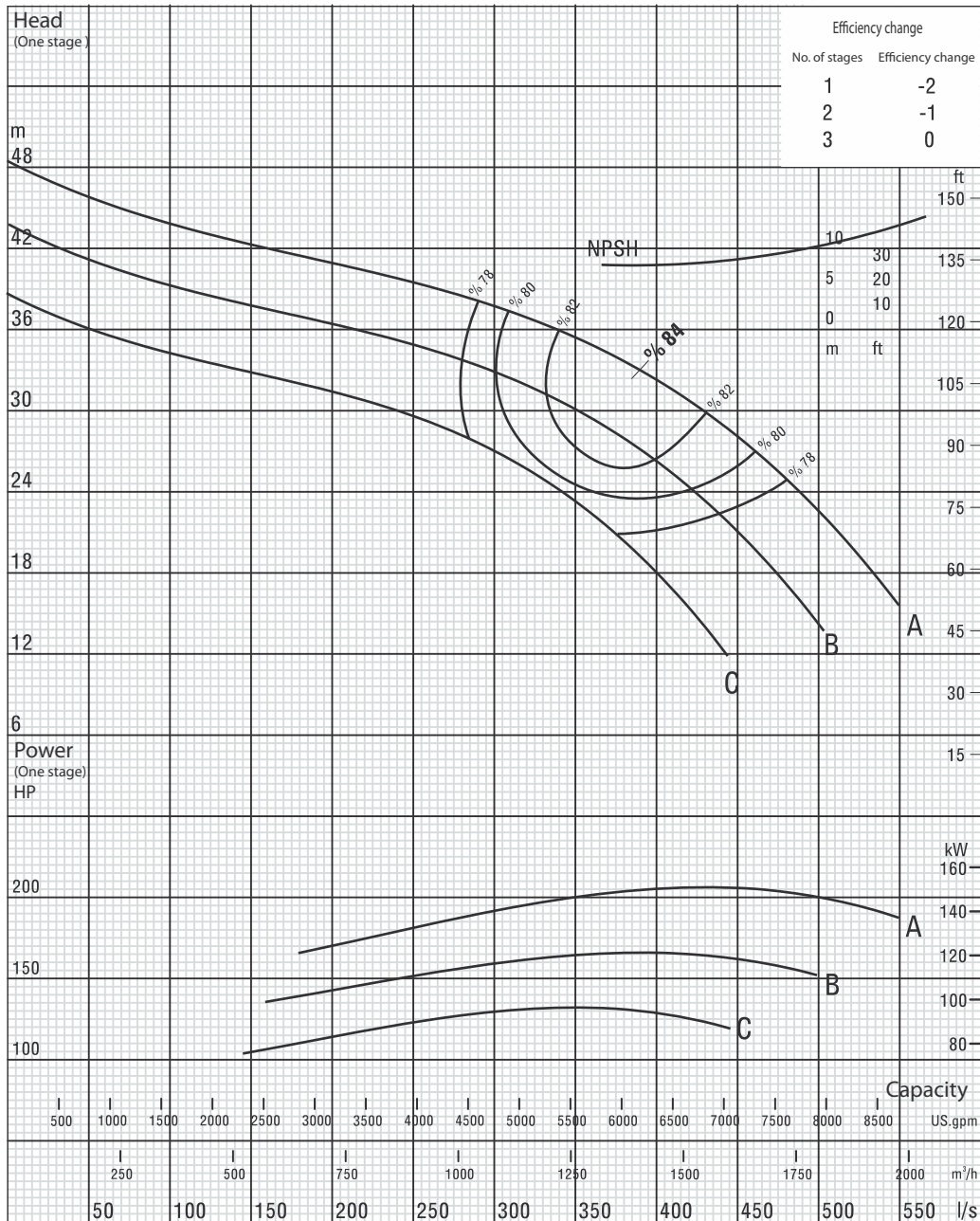
Dimensions

- (a) Minimum required submergence : 950 mm
 - (b) Bottom of bearing hub to imp. eye : 465 mm
 - (c) Suction case thread engagement : 450 mm
 - (d) Bowl diameter : 500 mm
 - (e) Length one-stage assembly : 1005 mm
 - (f) Additional stage length : 420 mm
- (L) Pump length: $e + (\text{no. of stages} - 1) \times f$



1450 rpm

Performance Curves (Single Stage)



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VTP 2034

No. of vanes
8

Thrust constant (K)
62,26 Kg/m

Pump outside diameter
500 mm

Max. number of stages
2

Rotation
CCW

Revolution
1450 rpm

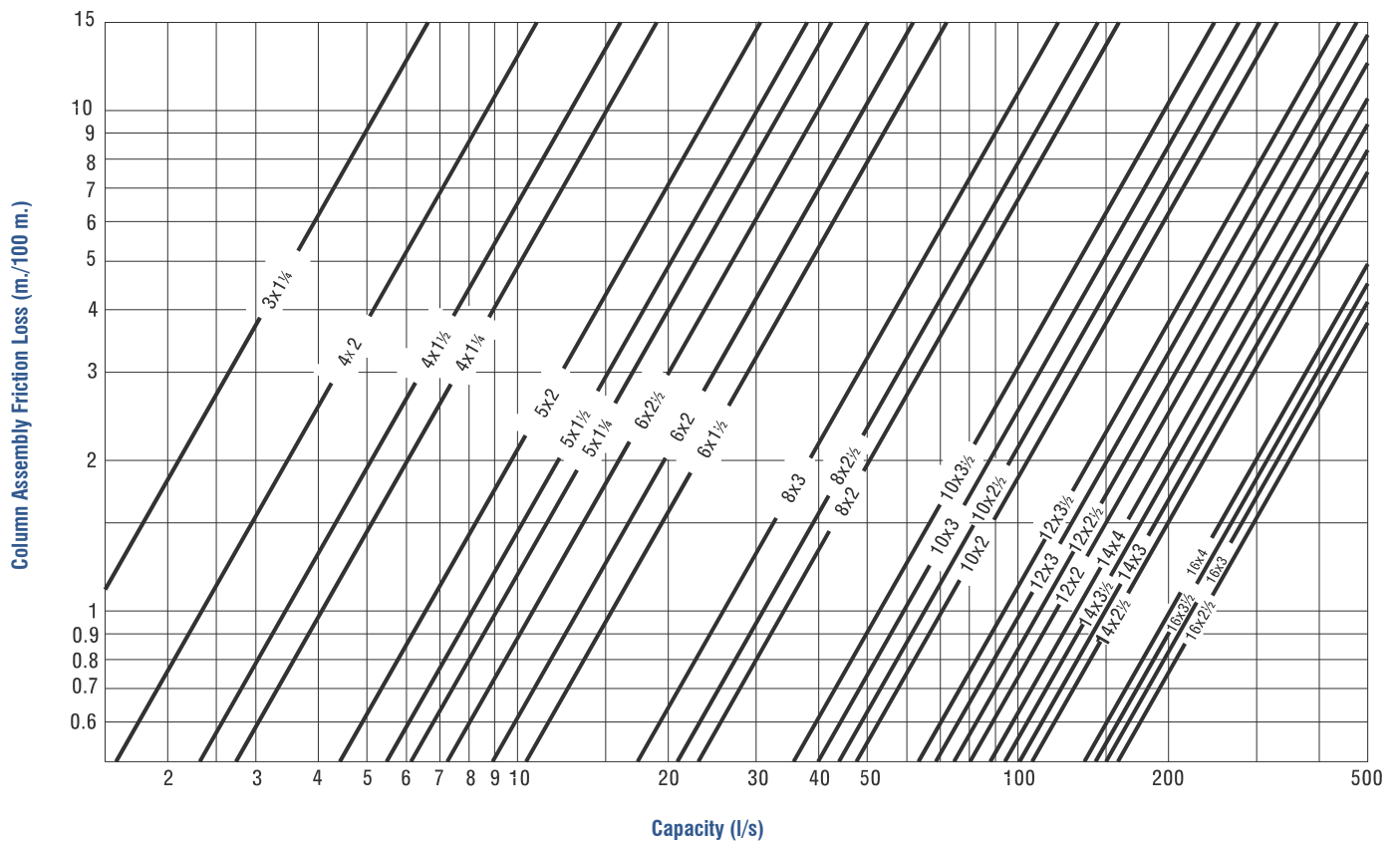
Shaft diameter
61,91 mm

WR²
0,813 kg.m²

Efficiency deduction no of stages → deduct (%)
1 → %-2 | 2 → %-1 | 3 → %0

The hydraulic working characteristics have been taken with water at 15°C, at the atmospheric pressure of 1 bar and specific gravity is 1 gr/cm³.

Column Assembly Friction Losses



Loss values indicated in this chart are for oil lubricated column assemblies.

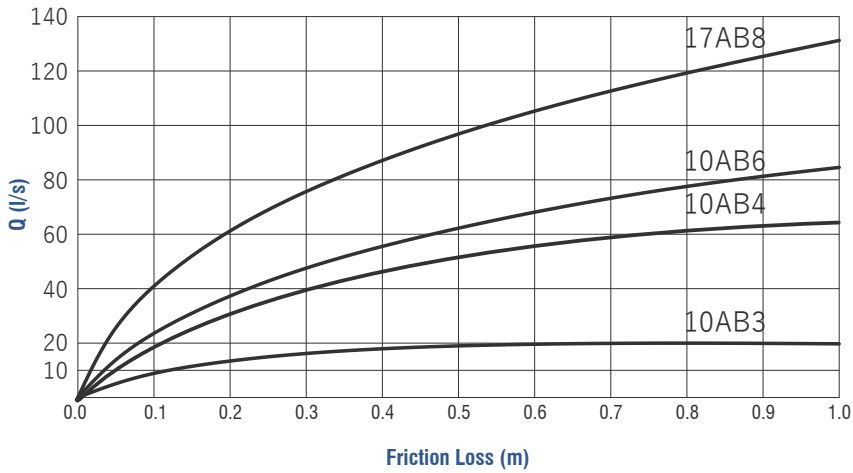
For the water lubricated column assemblies;

- For 3/4" shaft diameter use : 1 1/4" curve
- For 1" shaft diameter use : 1 1/2" curve
- For 1 3/16" shaft diameter use : 2" curve
- For 1 1/2" shaft diameter use : 2 1/2" curve
- For 2" shaft diameter use : 3" curve

values

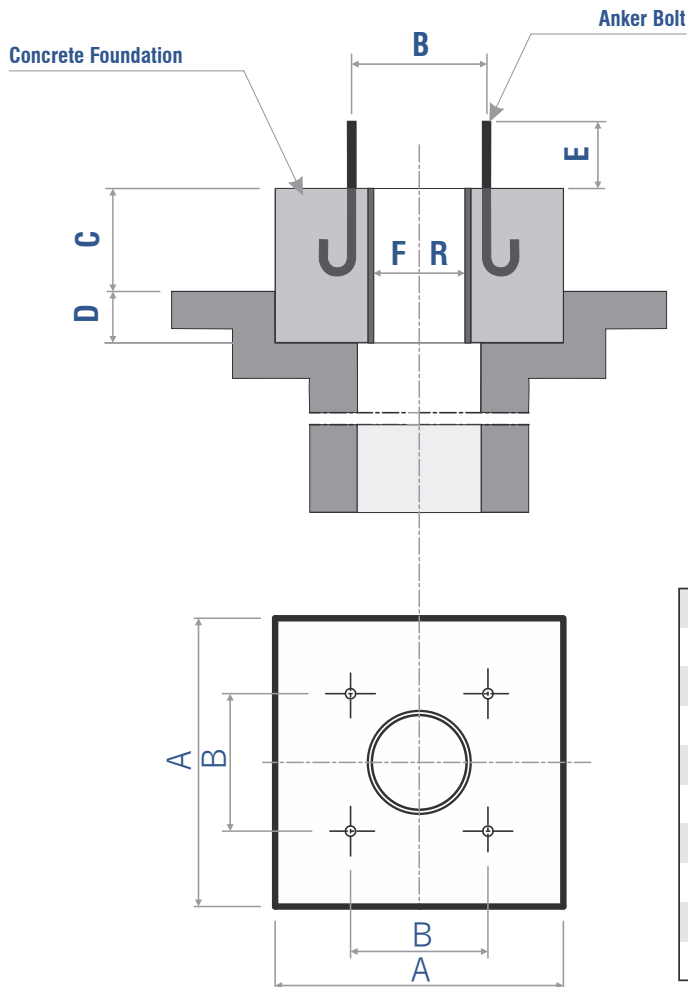
Discharge Heads

Discharge Head Friction Losses



Vansan discharge heads are designed for minimum hydraulic loss and for maximum stability.

Discharge Head Friction Losses



	Discharge Head Type			
	10 AB 3	10 AB 4	10 AB 6	17 AB 8
A	500	560	560	740
B	260	264	267	443
C	200	200	200	300
D	100	100	100	200
E	70	50	115	130
F	200	200	300	400
G	50	50	70	70
H	50	50	50	70
J	40	40	50	50
K	1/2"	5/8"	5/8"	5/8"



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