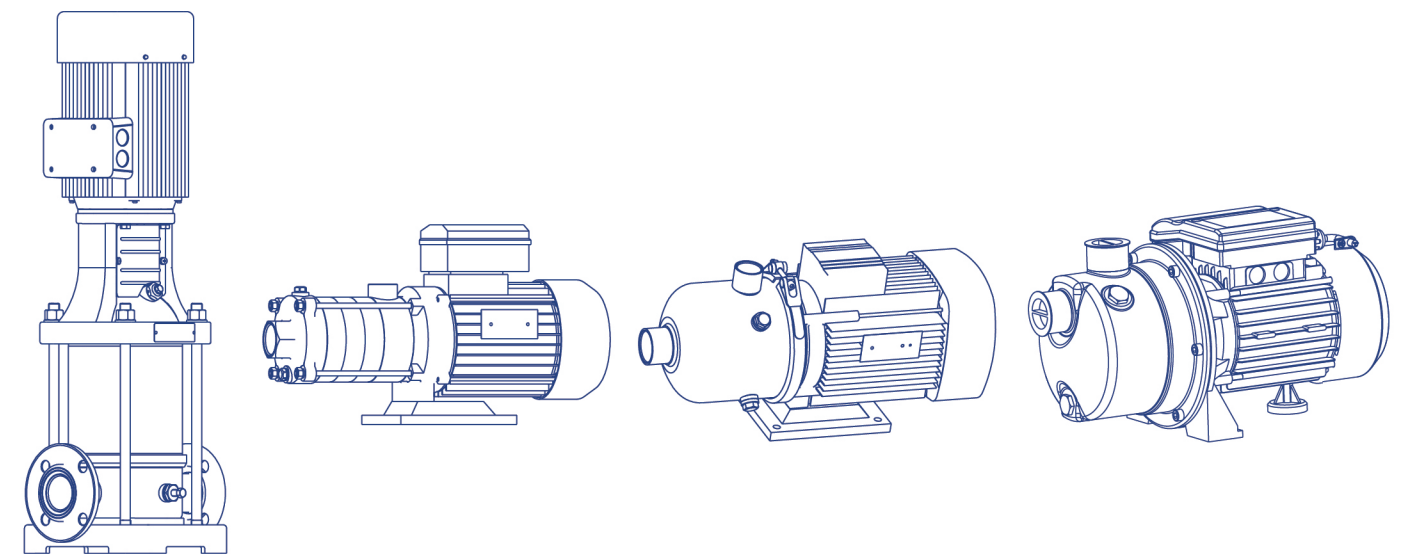


**STAINLESS STEEL MULTI-STAGE
CENTRIFUGAL PUMP**

ADELINO
— WATER PUMPS —



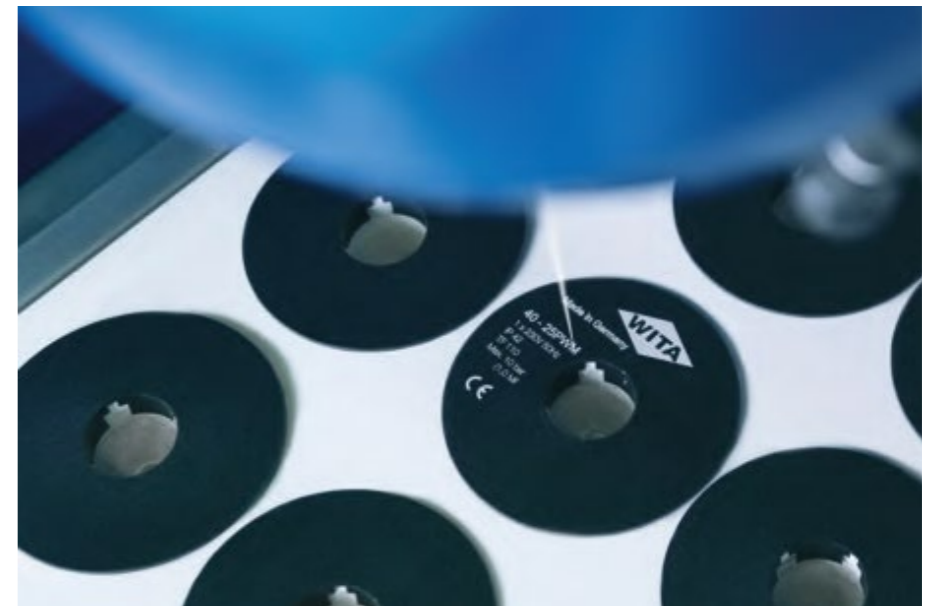
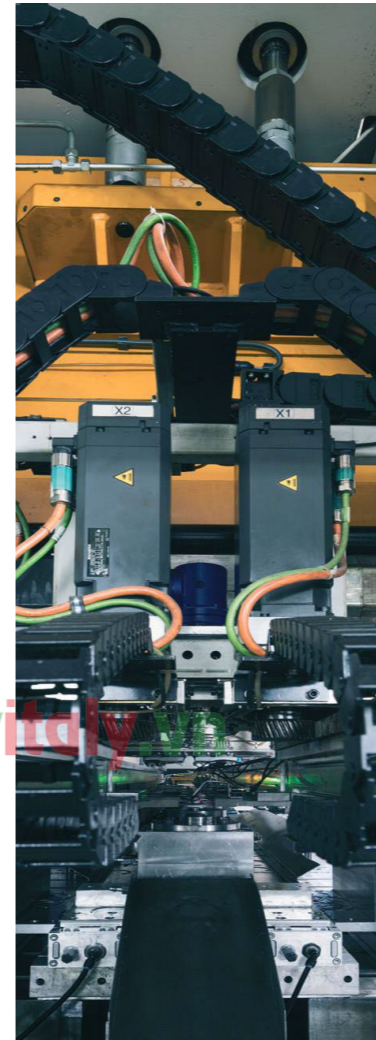
50Hz



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Bollingshofen 85, 32549 Bad Oeynhausen.
POLAND
HEL-WITA Sp. z o.o.
Biznesowa 22, 86-005 Biale Blota.

INDIA
ADELINO
Web: www.adelino.in
Web:
www.wita.de
www.adelinopump.com

Company Profile





Pump Technology

Since more than 50 years the company WITA is developing and producing high quality products for heating systems in Germany. Our quality management is certified according to DIN EN ISO 9001: 2015.

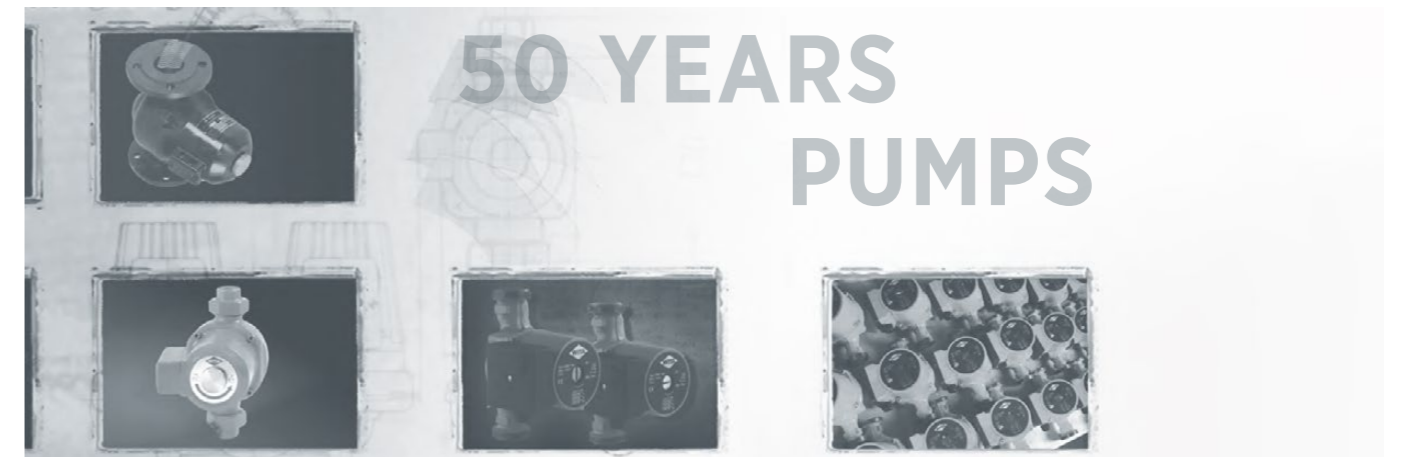
Through uncompromising high quality standards, coupled with multiple application possibilities of our pumps we are able to offer optimal solutions for the almost usages.

The high efficiency WITA - Pumps are usable in the areas of heating, domestic hot water and solar technology.

Every day, the research and development department is working on new innovative solutions to facilitate the daily life for the skilled crafts also in the future.

Product Advantage

- Maximum efficiency due to ECM - Technology
- Integrated motor protection
- Varied range of applications because of the cataphoresis coated grey cast iron pump housings
- WITA - High efficiency pump motors are backwards compatible to the most previous series



Vertical Multi-Stage Centrifugal Pumps



| | |
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| General Introduction | 01-04 |
| Detail Information | 05-18 |

Self-Priming JET Pumps



| | |
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| General Introduction | 28-29 |
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Horizontal Multi-Stage Centrifugal Pumps



| | |
|----------------------|-------|
| General Introduction | 19-20 |
| Detail Information | 21-27 |

PLD economical vertical multistage pump



| | |
|----------------------|-------|
| General Introduction | 30-33 |
|----------------------|-------|

Vertical Multi-Stage Centrifugal Pumps



BL



BL8



BLT



BL

thegioimayitaly.vn



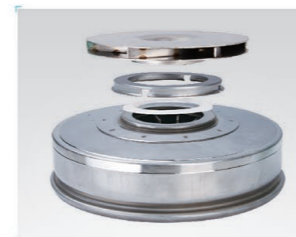
High-efficiency standard motor, Japan NSK bearings and cold-rolled 50ww800 silicon steel sheet made the pump high efficiency, low noise and maintenance-free. Totally enclosed shaft seal, IP55 protection grade, F class insulation grade, the special "double-lock" drive end bearing made the pump withstand higher inlet pressure.



Balanced & container-type shaft seal with all the parts assembled together, no axial rotating to prevent the shaft and rubber parts from wearing, with the characteristics of rapid changing, easy installation and safe operation. Dynamic sealing is made of cemented carbide materials and the static sealing is fluorine rubber material which make the mechanical seal to be high temperature resistance, long service life, easy changing and other significant characteristics.



Being produced by the most advanced international laser welding technology,, no eliminate welding, ensure the high intensity and efficiency. The processing technology: precision casting, CNC lathe, CNC machining center, the modern advanced technology such as the laser welding technique and processing equipment.



The built-in floating sealing ring of the pump cavity body could minimize the internal leakage produced by the differential pressure and prevent the energy consumption when liquid leaking back to the pump cavity body.

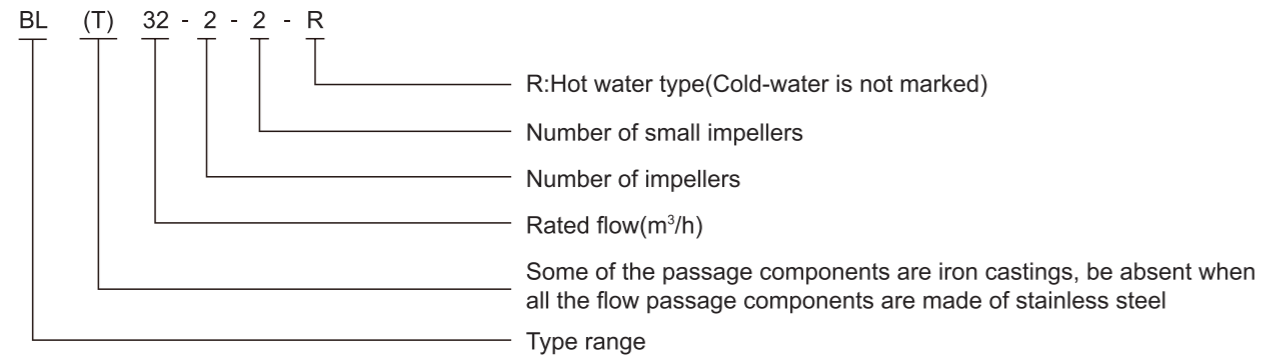


The pump core parts are designed to be multilevel interlocking, fastening nut locked, component system interlock assembly industry, to minimize the gap between the impeller per level, improve the efficiency of the impeller water conservancy, and ensure the stability, reliability and efficiency of the pump core components.



Cold extrusion spline shaft with good surface quality, high machining accuracy, at the same time improve the comprehensive mechanical properties of the shaft and the reliability of the pump

Model Instruction



Overview Of The Product

BL(T) series stainless steel multi-stage centrifugal pump (afterwards called pump)boasts characters of high efficiency, low noise, steady operation, etc.The pump set adopts the non-self-priming vertical multi-stage structure, which makes a compact whole,its installation easy, its operation and maintenance convenient.

Application Limits

- Medium temperature: normal type:0°C ~68°C hot water type:0°C ~120°C ,
- Ambient temperature:+40°C ,
- Max ambient pressure:1.0MPa,
- Advisable to use motor of higher power in case that the density or viscosity of medium is above that of water.
- pH: 5 to 8

Applications Fields

| | BL | BLT |
|---|----|-----|
| Water supply | | |
| Filtration and transfer at waterworks | ● | ● |
| Distribution from waterworks | ● | ● |
| Pressureboosting in mains | ● | ● |
| Pressure boosting in high-rise buildins,hotels,etc. | ● | ● |
| Pressure boosting for industrial water supply | ● | ● |
| Industry | | |
| Pressure boosting | | |
| Process water systems | ● | ● |
| Washing and cleaning systems | ● | ● |
| Vehicle washing tunnels | ● | ● |
| Fire fighting systems | ● | ● |
| Liquid transfer | | |
| Cooling and air-conditioning systems(refrigerants) | ● | ● |
| Boiler feed and condensate systems | ● | ● |
| Machine tools(cooling lubricants) | ● | ● |
| Aquafarming | ● | ● |
| Transfer | | |
| Oil and alcohol | ● | ● |
| Glycol and coolants | ● | ● |

| Water treatment | | |
|---|---|---|
| Ultra-filtration systems | ● | ○ |
| Reverse osmosis systems | ● | ○ |
| Softening, ionising, demineralizing systems | ● | ○ |
| Distillation sys tems | ● | ○ |
| Separators | ● | ○ |
| Swimming baths | ● | ● |
| Irrigation | | |
| Field irrigation(flooding) | ● | ● |
| Sprinkler irrigation | ● | ● |
| Drip-feed irrigation | ● | ● |

Certificate



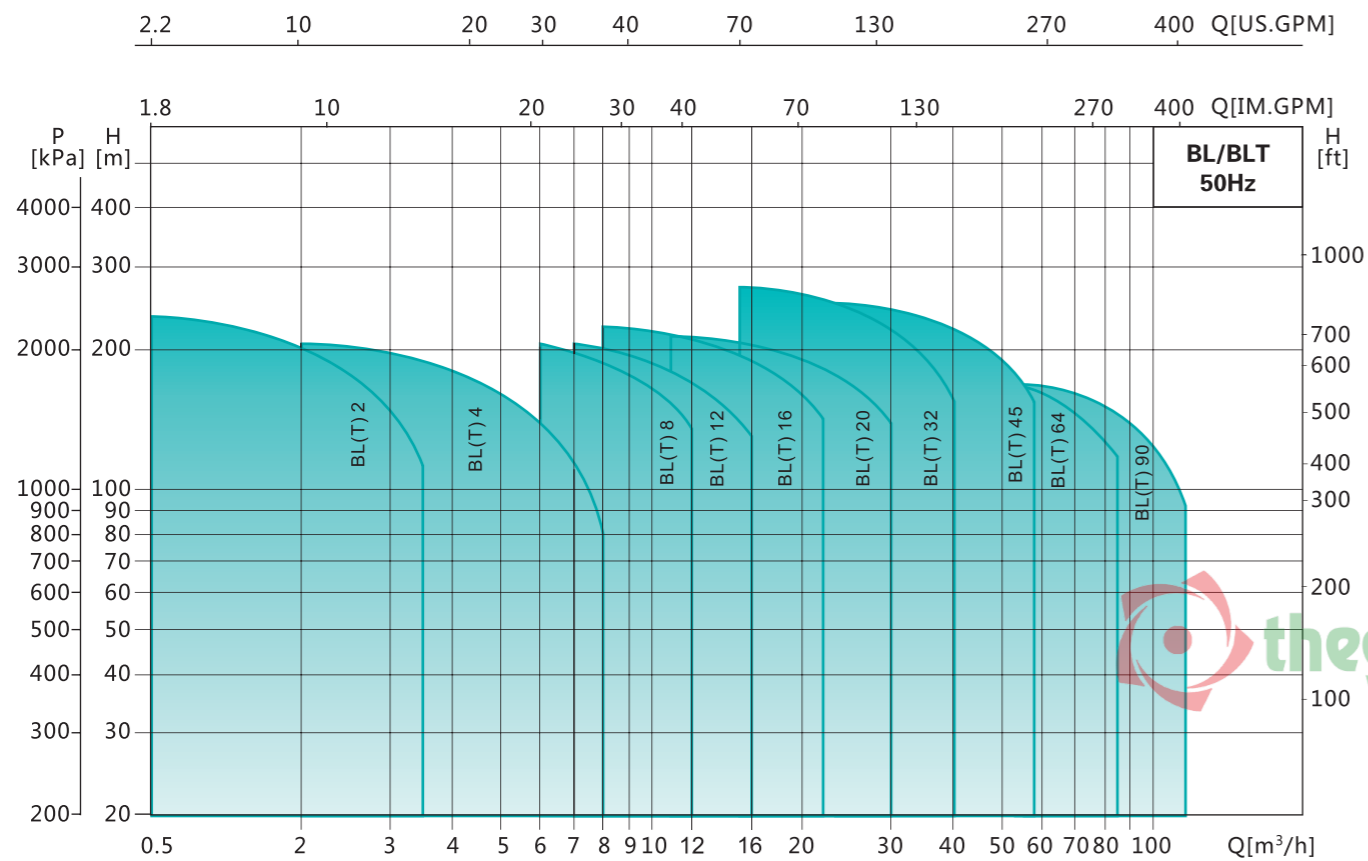
Electric Motor

- Full-enclosed and ventilating two-pole standard motor
- Protection class: IP55
- Insulation class: F
- Standard voltage Single phase 220V-50Hz Three phase:380/400V-50Hz
- Standard motor efficiency: 11kW to 45kW:IE3,other:IE2, Specific efficiency value for below table

Energy Efficiency Standard (IEC60034)

| Power(kW) | Efficiency(2P, IE2) | Efficiency(2P,IE3) |
|-----------|---------------------|--------------------|
| 0.75 | 77.4 | 80.7 |
| 1.1 | 79.6 | 82.7 |
| 1.5 | 81.3 | 84.2 |
| 2.2 | 83.2 | 85.9 |
| 3 | 84.6 | 87.1 |
| 4 | 85.8 | 88.1 |
| 5.5 | 87 | 89.2 |
| 7.5 | 88.1 | 90.1 |
| 11 | 89.4 | 91.2 |
| 15 | 90.3 | 91.9 |
| 18.5 | 90.9 | 92.4 |
| 22 | 91.3 | 92.7 |
| 30 | 92 | 93.3 |
| 37 | 92.5 | 93.7 |
| 45 | 92.9 | 94 |

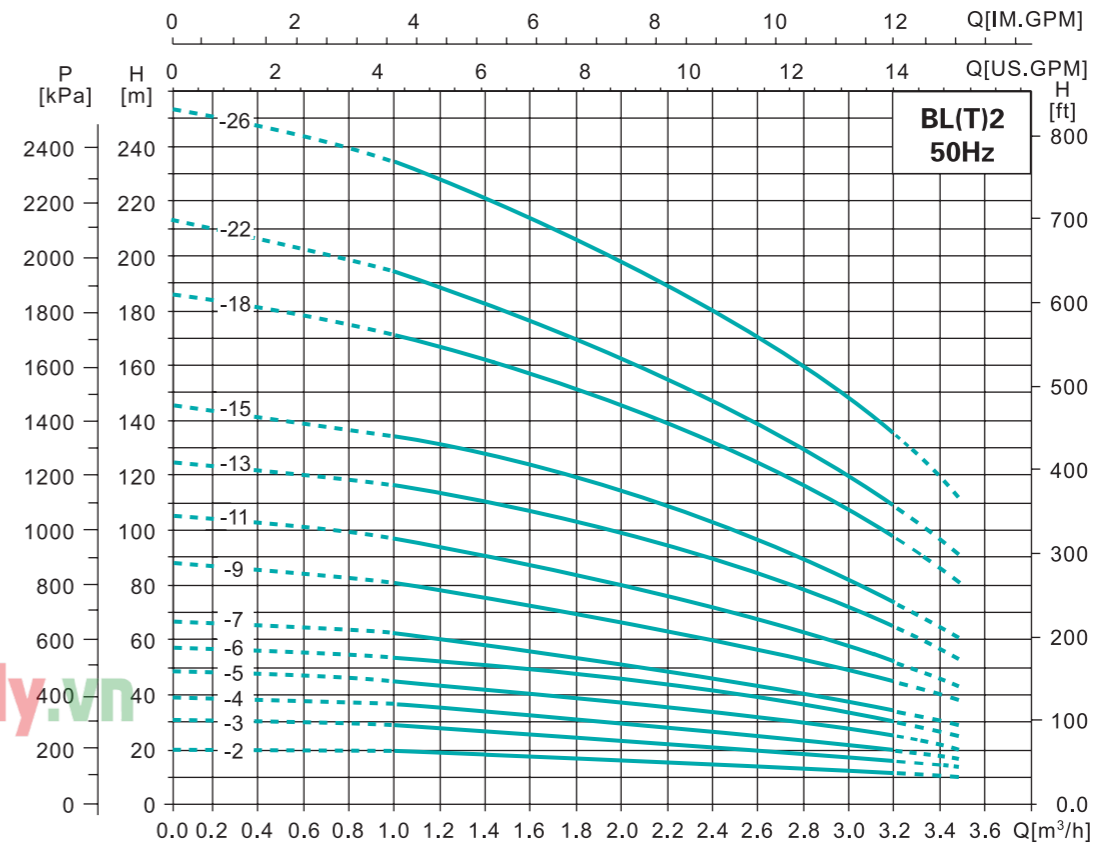
Performance Range



Product Range

| Model | BL(T)2 | BL(T)4 | BL(T)8 | BL(T)12 | BL(T)16 | BL(T)20 | BL(T)32 | BL(T)45 | BL(T)64 | BL(T)90 |
|---------------------|--|--|------------------|------------------|------------------|------------------|---------|---------|---------|---------|
| Rated Flow (m³/h) | 2 | 4 | 8 | 12 | 16 | 20 | 32 | 45 | 64 | 90 |
| Flow Range (m³/h) | 1~3.5 | 1.5~7 | 5~11 | 7~16 | 8~20 | 14~28 | 16~40 | 25~55 | 30~80 | 50~110 |
| Max. Pressure (bar) | 23 | 21 | 21 | 22 | 22 | 23 | 27 | 28 | 22 | 16 |
| Motor Power (kW) | 0.37~3 | 0.37~4 | 0.75~7.5 | 1.5~11 | 2.2~15 | 2.2~18.5 | 3~30 | 5.5~45 | 7.5~45 | 11~45 |
| Max. Efficiency (%) | 45 | 57 | 62 | 63 | 66 | 67 | 70 | 74 | 75 | 76 |
| DIN Flange | DN25 | DN32 | DN40 | DN50 | DN50 | DN50 | DN65 | DN80 | DN100 | DN100 |
| Pipe Thread | R ₂ 1 ¹ / ₄ | R ₂ 1 ¹ / ₄ | R _c 2 | R _c 2 | R _c 2 | R _c 2 | | | | |

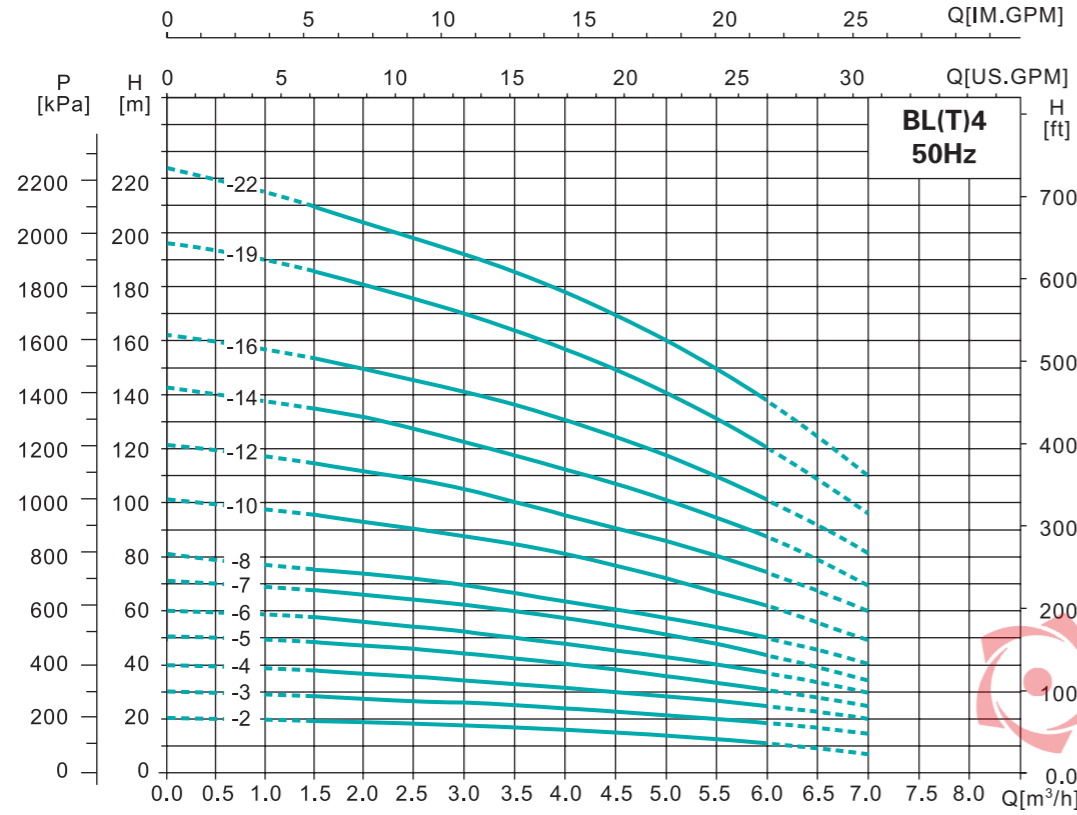
Performance Curve - BL(T)2



Performance Table

| Model | Power | | Q (m³/h) | Head Range (m) | | | | | | | |
|-----------|-------|------|----------|----------------|-----|-----|-----|-----|-----|-----|---------|
| | kW | HP | | 1 | 1.2 | 1.6 | 2 | 2.4 | 2.8 | 3.2 | |
| BL(T)2-2 | 0.37 | 0.5 | H (m) | 18 | 17 | 16 | 15 | 13 | 12 | 10 | 10~18 |
| BL(T)2-3 | 0.37 | 0.5 | | 27 | 26 | 24 | 22 | 20 | 18 | 15 | 15~27 |
| BL(T)2-4 | 0.55 | 0.75 | | 36 | 35 | 33 | 30 | 26 | 24 | 20 | 20~36 |
| BL(T)2-5 | 0.55 | 0.75 | | 45 | 43 | 40 | 37 | 33 | 30 | 24 | 24~45 |
| BL(T)2-6 | 0.75 | 1 | | 53 | 52 | 50 | 45 | 40 | 36 | 30 | 30~53 |
| BL(T)2-7 | 0.75 | 1 | | 63 | 61 | 57 | 52 | 47 | 41 | 35 | 35~63 |
| BL(T)2-9 | 1.1 | 1.5 | | 80 | 78 | 73 | 67 | 61 | 54 | 45 | 45~80 |
| BL(T)2-11 | 1.1 | 1.5 | | 98 | 95 | 89 | 82 | 73 | 64 | 54 | 54~98 |
| BL(T)2-13 | 1.5 | 2 | | 116 | 114 | 106 | 98 | 89 | 78 | 65 | 65~116 |
| BL(T)2-15 | 1.5 | 2 | | 134 | 130 | 123 | 112 | 100 | 90 | 73 | 73~134 |
| BL(T)2-18 | 2.2 | 3 | | 161 | 157 | 148 | 136 | 121 | 108 | 91 | 91~161 |
| BL(T)2-22 | 2.2 | 3 | | 197 | 192 | 180 | 165 | 148 | 130 | 110 | 110~197 |
| BL(T)2-26 | 3 | 4 | | 232 | 228 | 214 | 198 | 179 | 158 | 130 | 130~232 |

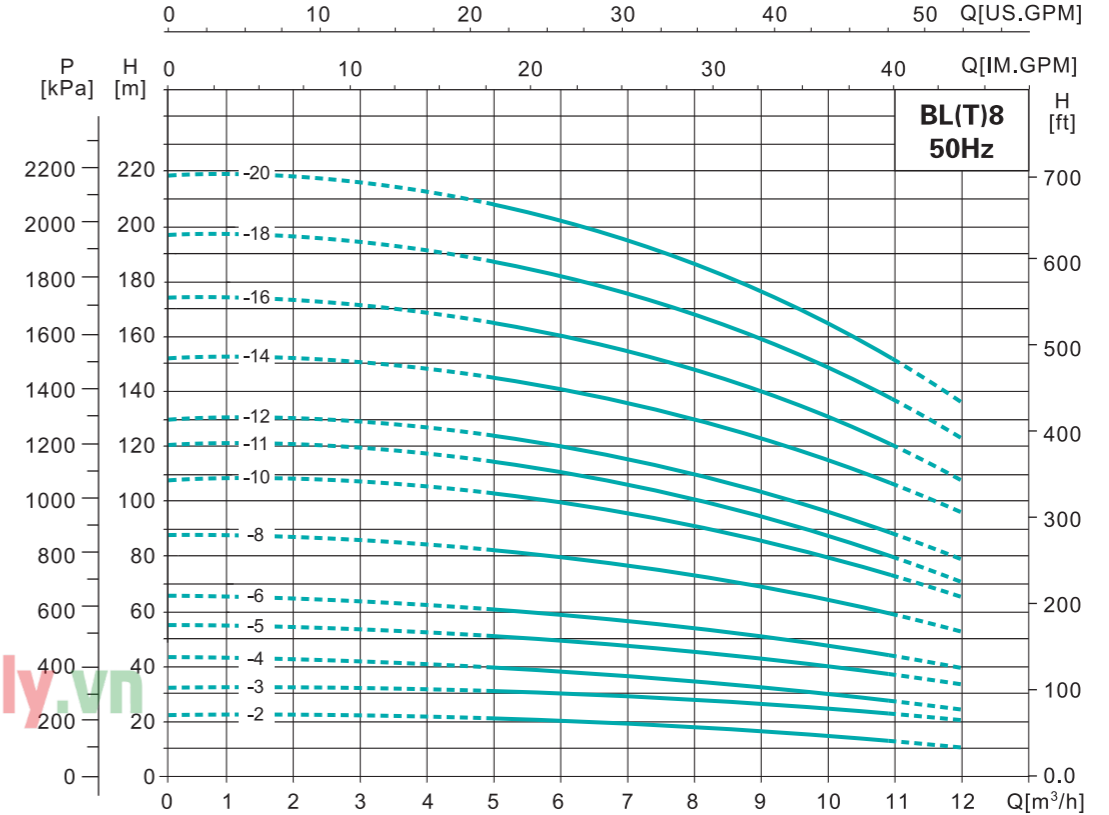
Performance Curve - BL(T)4



Performance Table

| Model | Power | | Q (m³/h) | Q | | | | | | Head Range (m) |
|-----------|-------|------|----------|-----|-----|-----|-----|-----|-----|----------------|
| | kW | HP | | 1.5 | 2 | 3 | 4 | 5 | 6 | |
| BL(T)4-2 | 0.37 | 0.5 | H (m) | 19 | 18 | 17 | 15 | 13 | 10 | 10~19 |
| BL(T)4-3 | 0.55 | 0.75 | | 28 | 27 | 26 | 24 | 20 | 18 | 18~28 |
| BL(T)4-4 | 0.75 | 1 | | 38 | 36 | 34 | 32 | 27 | 24 | 24~38 |
| BL(T)4-5 | 1.1 | 1.5 | | 47 | 45 | 43 | 40 | 34 | 31 | 31~47 |
| BL(T)4-6 | 1.1 | 1.5 | | 56 | 54 | 52 | 48 | 41 | 37 | 37~56 |
| BL(T)4-7 | 1.5 | 2 | | 66 | 63 | 61 | 56 | 48 | 43 | 43~66 |
| BL(T)4-8 | 1.5 | 2 | | 74 | 72 | 70 | 64 | 55 | 50 | 50~74 |
| BL(T)4-10 | 2.2 | 3 | | 96 | 90 | 87 | 81 | 71 | 62 | 62~96 |
| BL(T)4-12 | 2.2 | 3 | | 114 | 108 | 104 | 95 | 85 | 75 | 75~114 |
| BL(T)4-14 | 3 | 4 | | 136 | 126 | 122 | 112 | 101 | 89 | 89~136 |
| BL(T)4-16 | 3 | 4 | | 152 | 144 | 140 | 129 | 115 | 101 | 101~152 |
| BL(T)4-19 | 4 | 5.5 | | 183 | 171 | 168 | 153 | 137 | 122 | 122~183 |
| BL(T)4-22 | 4 | 5.5 | | 211 | 200 | 192 | 178 | 160 | 138 | 138~211 |

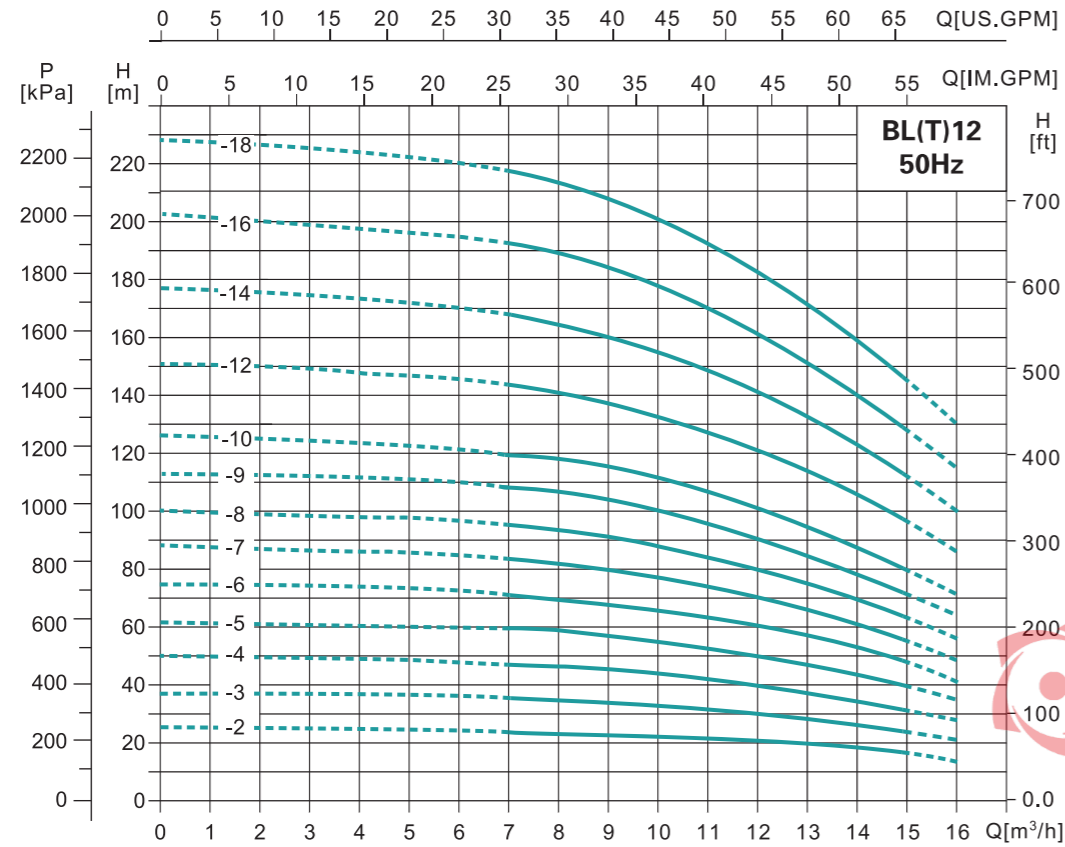
Performance Curve - BL(T)8



Performance Table

| Model | Power | | Q (m³/h) | Q | | | | | | | Head Range (m) |
|-----------|-------|-----|----------|-----|------|------|-----|-----|-----|-----|----------------|
| | kW | HP | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| BL(T)8-2 | 0.75 | 1 | H (m) | 20 | 19.5 | 19 | 18 | 17 | 16 | 14 | 14~20 |
| BL(T)8-3 | 1.1 | 1.5 | | 30 | 29.5 | 28.5 | 27 | 25 | 24 | 21 | 21~30 |
| BL(T)8-4 | 1.5 | 2 | | 41 | 39.5 | 38 | 36 | 34 | 32 | 28 | 28~41 |
| BL(T)8-5 | 2.2 | 3 | | 52 | 50 | 48 | 45 | 42 | 40 | 36 | 36~52 |
| BL(T)8-6 | 2.2 | 3 | | 62 | 60 | 57 | 54 | 51 | 48 | 43 | 43~62 |
| BL(T)8-8 | 3 | 4 | | 83 | 80 | 77 | 73 | 69 | 65 | 58 | 58~83 |
| BL(T)8-10 | 4 | 5.5 | | 104 | 100 | 97 | 92 | 87 | 81 | 73 | 73~104 |
| BL(T)8-11 | 4 | 5.5 | | 114 | 110 | 106 | 101 | 95 | 86 | 80 | 80~114 |
| BL(T)8-12 | 4 | 5.5 | | 124 | 120 | 116 | 111 | 104 | 92 | 87 | 87~124 |
| BL(T)8-14 | 5.5 | 7.5 | | 145 | 141 | 136 | 130 | 122 | 113 | 102 | 102~145 |
| BL(T)8-16 | 5.5 | 7.5 | | 166 | 161 | 156 | 148 | 139 | 130 | 118 | 118~166 |
| BL(T)8-18 | 7.5 | 10 | | 187 | 182 | 175 | 167 | 157 | 146 | 134 | 134~187 |
| BL(T)8-20 | 7.5 | 10 | | 208 | 202 | 195 | 186 | 175 | 163 | 150 | 150~208 |

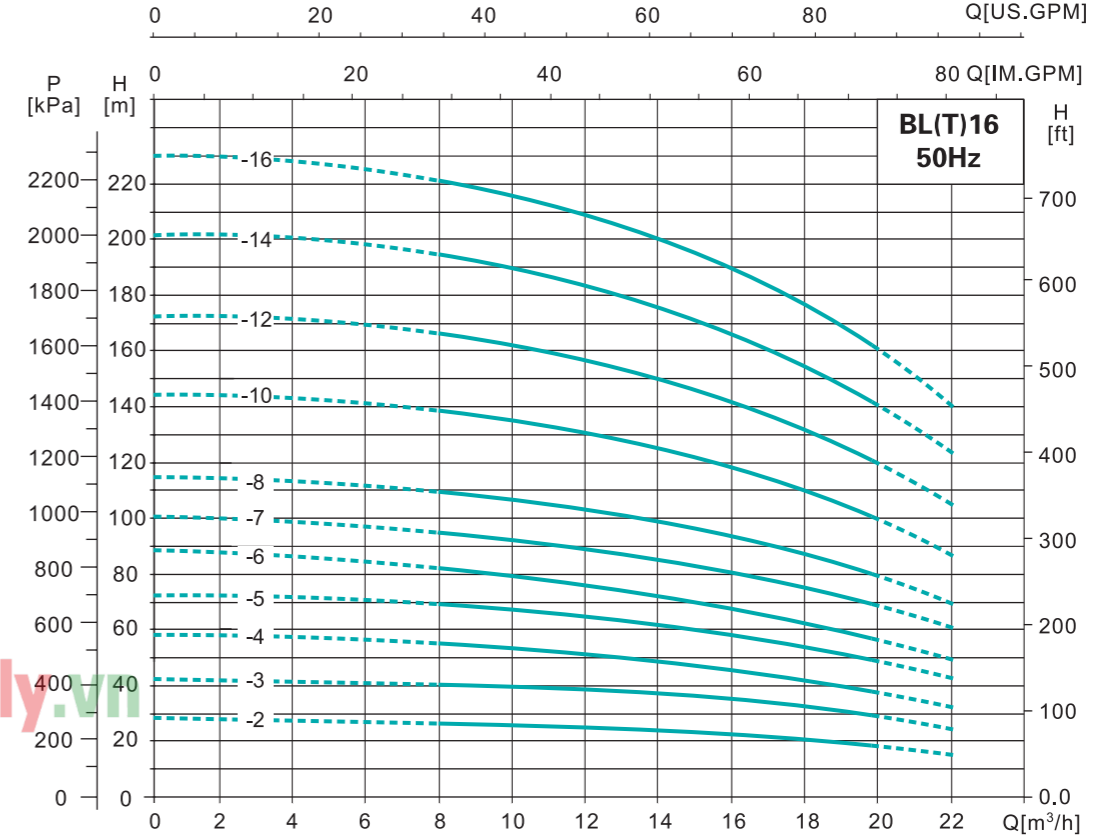
Performance Curve - BL(T)12



Performance Table

| Model | Power | | Q (m³/h) | Head Range (m) | | | | | | |
|------------|-------|-----|----------|----------------|-----|-----|-----|-----|-----|-----------|
| | kW | HP | | 7 | 8 | 10 | 12 | 14 | 15 | |
| BL(T)12-2 | 1.5 | 2 | H (m) | 23.5 | 23 | 22 | 20 | 17 | 15 | 15~23.5 |
| BL(T)12-3 | 2.2 | 3 | | 35.5 | 35 | 33 | 30 | 26 | 23 | 23~35.5 |
| BL(T)12-4 | 3 | 4 | | 47 | 46 | 44 | 40 | 34 | 31 | 31~47 |
| BL(T)12-5 | 3 | 4 | | 59.5 | 58 | 55 | 50 | 43 | 39 | 39~59.5 |
| BL(T)12-6 | 4 | 5.5 | | 71.5 | 70 | 66 | 60 | 52 | 47 | 47~71.5 |
| BL(T)12-7 | 5.5 | 7.5 | | 83.5 | 82 | 77 | 70 | 61 | 55 | 55~83.5 |
| BL(T)12-8 | 5.5 | 7.5 | | 95.5 | 94 | 88 | 80 | 70 | 63 | 63~95.5 |
| BL(T)12-9 | 5.5 | 7.5 | | 108 | 106 | 100 | 91 | 79 | 71 | 71~108 |
| BL(T)12-10 | 7.5 | 10 | | 120 | 118 | 111 | 101 | 88 | 80 | 80~120 |
| BL(T)12-12 | 7.5 | 10 | | 143.5 | 141 | 133 | 121 | 106 | 96 | 96~143.5 |
| BL(T)12-14 | 11 | 15 | | 168 | 165 | 155 | 141 | 124 | 112 | 112~168 |
| BL(T)12-16 | 11 | 15 | | 192.5 | 189 | 178 | 162 | 142 | 128 | 128~192.5 |
| BL(T)12-18 | 11 | 15 | | 217 | 213 | 202 | 183 | 160 | 145 | 145~217 |

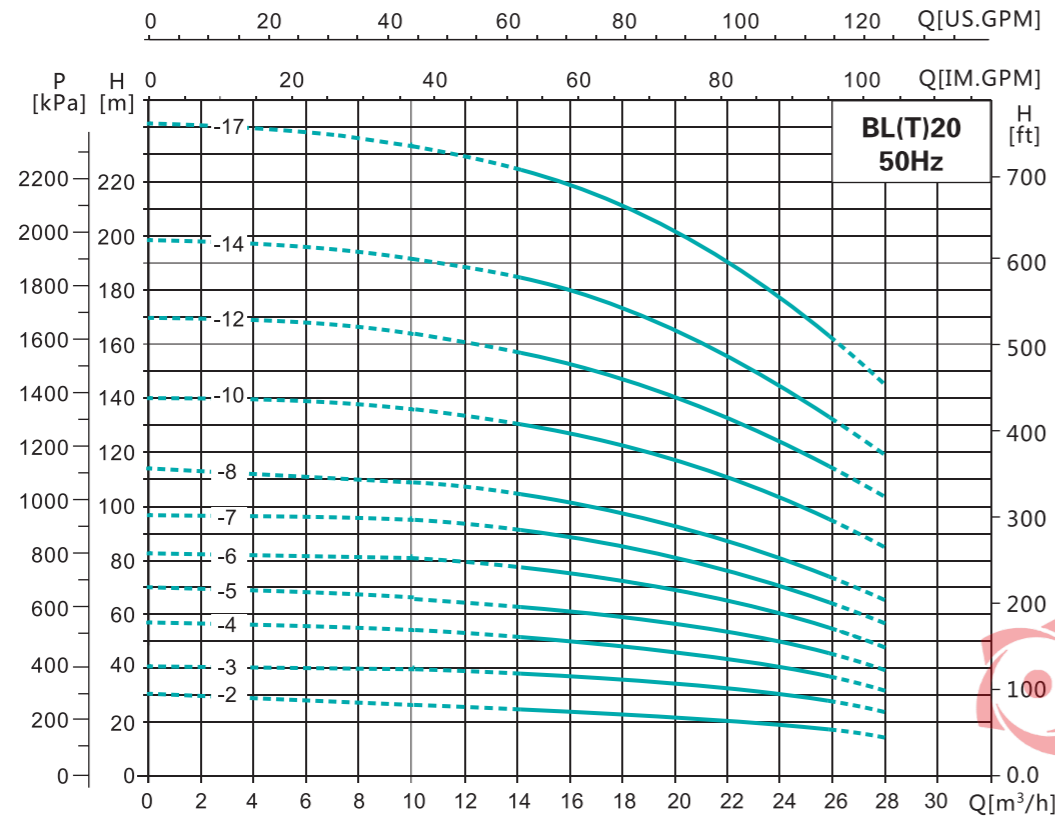
Performance Curve - BL(T)16



Performance Table

| Model | Power | | Q (m³/h) | Head Range (m) | | | | | | | |
|------------|-------|-----|----------|----------------|-----|-----|-----|-----|-----|-----|---------|
| | kW | HP | | 8 | 10 | 12 | 14 | 16 | 18 | 20 | |
| BL(T)16-2 | 2.2 | 3 | H (m) | 27 | 26 | 25 | 24 | 22 | 21 | 19 | 19~27 |
| BL(T)16-3 | 3 | 4 | | 41 | 40 | 38 | 37 | 34 | 32 | 29 | 29~41 |
| BL(T)16-4 | 4 | 5.5 | | 54 | 53 | 52 | 49 | 46 | 43 | 38 | 38~54 |
| BL(T)16-5 | 5.5 | 7.5 | | 68 | 67 | 65 | 62 | 58 | 54 | 48 | 48~68 |
| BL(T)16-6 | 5.5 | 7.5 | | 82 | 80 | 78 | 74 | 70 | 64 | 58 | 58~82 |
| BL(T)16-7 | 7.5 | 10 | | 96 | 95 | 91 | 87 | 82 | 76 | 68 | 68~96 |
| BL(T)16-8 | 7.5 | 10 | | 110 | 108 | 104 | 99 | 94 | 86 | 77 | 77~110 |
| BL(T)16-10 | 11 | 15 | | 138 | 136 | 131 | 125 | 118 | 109 | 97 | 97~138 |
| BL(T)16-12 | 11 | 15 | | 166 | 162 | 157 | 150 | 141 | 130 | 116 | 116~166 |
| BL(T)16-14 | 15 | 20 | | 194 | 190 | 184 | 175 | 166 | 152 | 136 | 136~194 |
| BL(T)16-16 | 15 | 20 | | 222 | 217 | 210 | 200 | 189 | 174 | 156 | 156~222 |

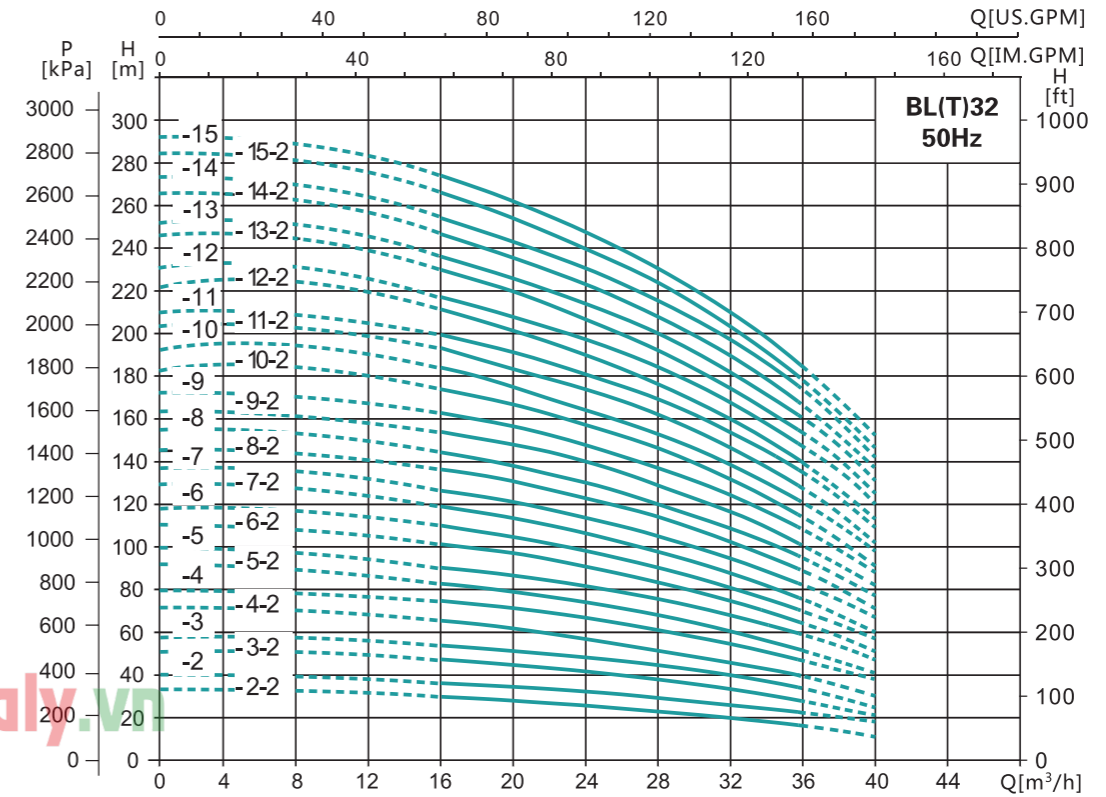
Performance Curve - BL(T)20



Performance Table

| Model | Power | | Q (m³/h) | Head (m) | | | | | | | Head Range (m) |
|------------|-------|-----|----------|----------|-----|-----|-----|-----|-----|-----|----------------|
| | kW | HP | | 14 | 16 | 18 | 20 | 22 | 24 | 26 | |
| BL(T)20-2 | 2.2 | 3 | H (m) | 26 | 25 | 24 | 23 | 22 | 20 | 18 | 18~26 |
| BL(T)20-3 | 4 | 5.5 | | 39 | 38 | 37 | 35 | 33 | 30 | 27 | 27~39 |
| BL(T)20-4 | 5.5 | 7.5 | | 52 | 51 | 49 | 47 | 44 | 41 | 37 | 37~52 |
| BL(T)20-5 | 5.5 | 7.5 | | 64 | 62 | 60 | 58 | 55 | 50 | 45 | 45~64 |
| BL(T)20-6 | 7.5 | 10 | | 77 | 75 | 73 | 70 | 66 | 61 | 55 | 55~77 |
| BL(T)20-7 | 7.5 | 10 | | 91 | 89 | 86 | 82 | 77 | 71 | 65 | 65~91 |
| BL(T)20-8 | 11 | 15 | | 105 | 102 | 99 | 94 | 89 | 82 | 75 | 75~105 |
| BL(T)20-10 | 11 | 15 | | 131 | 128 | 124 | 118 | 111 | 103 | 95 | 95~131 |
| BL(T)20-12 | 15 | 20 | | 158 | 154 | 149 | 142 | 133 | 124 | 114 | 114~158 |
| BL(T)20-14 | 15 | 20 | | 185 | 180 | 174 | 166 | 156 | 145 | 133 | 133~185 |
| BL(T)20-17 | 18.5 | 25 | | 225 | 219 | 212 | 202 | 190 | 177 | 162 | 162~225 |

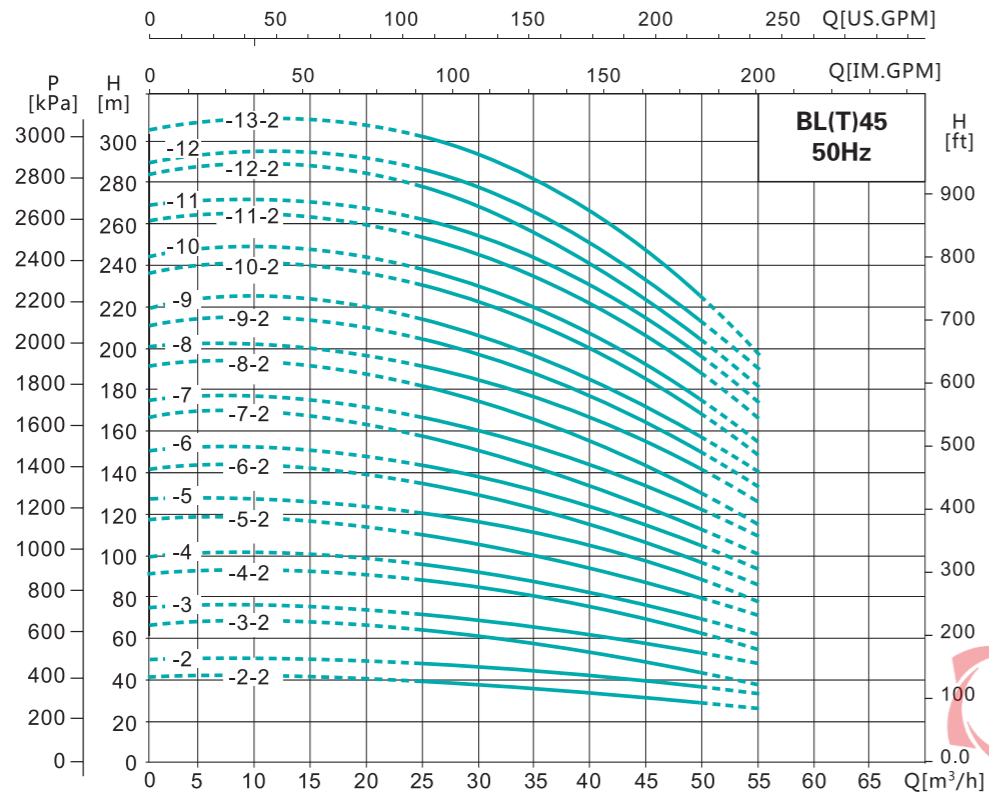
Performance Curve - BL(T)32



Performance Table

| Model | Power | | Q (m³/h) | Head (m) | | | | | | | Head Range (m) |
|--------------|-------|-----|----------|----------|-----|-----|-----|-----|-----|---------|----------------|
| | kW | HP | | 16 | 20 | 24 | 28 | 32 | 36 | | |
| BL(T)32-2-2 | 3 | 4 | H (m) | 29 | 28 | 26 | 23 | 20 | 16 | 16~29 | |
| BL(T)32-2 | 4 | 5.5 | | 36 | 34 | 32 | 29 | 27 | 23 | 23~36 | |
| BL(T)32-3-2 | 5.5 | 7.5 | | 47 | 44 | 41 | 38 | 33 | 28 | 28~47 | |
| BL(T)32-3 | 5.5 | 7.5 | | 54 | 51 | 48 | 44 | 40 | 35 | 35~54 | |
| BL(T)32-4-2 | 7.5 | 10 | | 65 | 62 | 58 | 53 | 46 | 40 | 40~65 | |
| BL(T)32-4 | 7.5 | 10 | | 72 | 69 | 65 | 59 | 53 | 47 | 47~72 | |
| BL(T)32-5-2 | 11 | 15 | | 83 | 79 | 74 | 68 | 60 | 52 | 52~83 | |
| BL(T)32-5 | 11 | 15 | | 90 | 86 | 81 | 74 | 67 | 59 | 59~90 | |
| BL(T)32-6-2 | 11 | 15 | | 101 | 97 | 90 | 83 | 74 | 65 | 65~101 | |
| BL(T)32-6 | 11 | 15 | | 108 | 104 | 97 | 90 | 81 | 72 | 72~108 | |
| BL(T)32-7-2 | 15 | 20 | | 119 | 114 | 107 | 98 | 88 | 78 | 78~119 | |
| BL(T)32-7 | 15 | 20 | | 126 | 121 | 113 | 105 | 95 | 85 | 85~126 | |
| BL(T)32-8-2 | 15 | 20 | | 136 | 131 | 123 | 114 | 102 | 90 | 90~136 | |
| BL(T)32-8 | 15 | 20 | | 144 | 138 | 130 | 120 | 109 | 97 | 97~144 | |
| BL(T)32-9-2 | 18.5 | 25 | | 154 | 148 | 140 | 129 | 117 | 102 | 102~154 | |
| BL(T)32-9 | 18.5 | 25 | | 162 | 156 | 147 | 136 | 124 | 109 | 109~162 | |
| BL(T)32-10-2 | 18.5 | 25 | | 175 | 166 | 157 | 146 | 131 | 115 | 115~175 | |
| BL(T)32-10 | 18.5 | 25 | | 182 | 173 | 164 | 152 | 138 | 122 | 122~182 | |
| BL(T)32-11-2 | 22 | 30 | | 193 | 184 | 173 | 164 | 146 | 128 | 128~193 | |
| BL(T)32-11 | 22 | 30 | | 200 | 191 | 180 | 168 | 153 | 135 | 135~200 | |
| BL(T)32-12-2 | 22 | 30 | | 211 | 201 | 189 | 178 | 160 | 140 | 140~211 | |
| BL(T)32-12 | 22 | 30 | | 218 | 208 | 196 | 184 | 167 | 147 | 147~218 | |
| BL(T)32-13-2 | 30 | 40 | | 230 | 218 | 206 | 193 | 174 | 153 | 153~230 | |
| BL(T)32-13 | 30 | 40 | | 237 | 225 | 213 | 200 | 181 | 160 | 160~237 | |
| BL(T)32-14-2 | 30 | 40 | | 247 | 235 | 222 | 210 | 189 | 165 | 165~247 | |
| BL(T)32-14 | 30 | 40 | | 255 | 242 | 229 | 216 | 196 | 172 | 172~255 | |
| BL(T)32-15-2 | 30 | 40 | | 266 | 253 | 239 | 224 | 203 | 178 | 178~266 | |
| BL(T)32-15 | 30 | 40 | | 274 | 260 | 246 | 231 | 210 | 185 | 185~274 | |

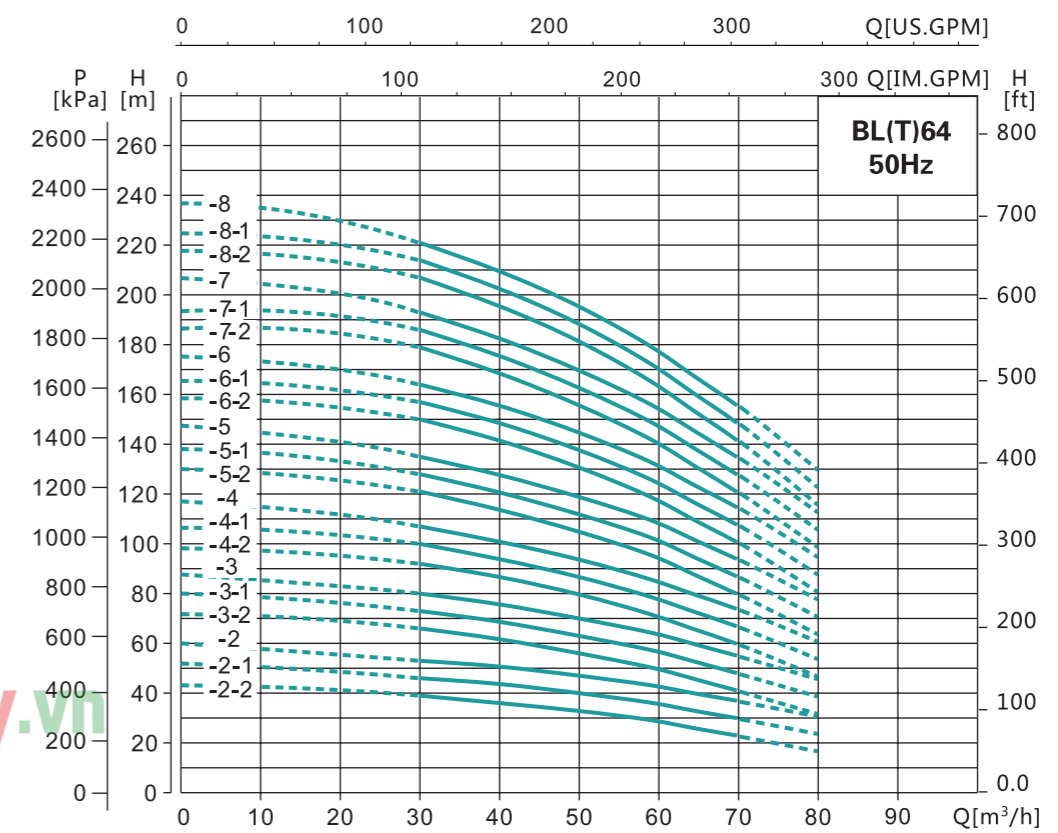
Performance Curve - BL(T)45



Performance Table

| Model | Power | | Q (m³/h) | 25 | 30 | 35 | 40 | 45 | 50 | Head Range (m) |
|--------------|-------|-----|----------|-----|-----|-----|-----|-----|---------|----------------|
| | kW | HP | | | | | | | | |
| BL(T)45-2-2 | 5.5 | 7.5 | H (m) | 40 | 38 | 36 | 33 | 30 | 27 | 27~40 |
| BL(T)45-2 | 7.5 | 10 | | 48 | 46 | 44 | 42 | 39 | 35 | 35~48 |
| BL(T)45-3-2 | 11 | 15 | | 63 | 61 | 58 | 54 | 50 | 44 | 44~63 |
| BL(T)45-3 | 11 | 15 | | 71 | 69 | 66 | 63 | 58 | 53 | 53~71 |
| BL(T)45-4-2 | 15 | 20 | | 87 | 84 | 80 | 75 | 69 | 62 | 62~87 |
| BL(T)45-4 | 15 | 20 | | 95 | 92 | 88 | 84 | 78 | 71 | 71~95 |
| BL(T)45-5-2 | 18.5 | 25 | | 111 | 107 | 102 | 96 | 88 | 80 | 80~111 |
| BL(T)45-5 | 18.5 | 25 | | 119 | 115 | 110 | 105 | 97 | 88 | 88~119 |
| BL(T)45-6-2 | 22 | 30 | | 135 | 130 | 124 | 117 | 108 | 97 | 97~135 |
| BL(T)45-6 | 22 | 30 | | 143 | 138 | 132 | 125 | 116 | 106 | 106~143 |
| BL(T)45-7-2 | 30 | 40 | | 158 | 152 | 146 | 138 | 127 | 115 | 115~158 |
| BL(T)45-7 | 30 | 40 | | 166 | 161 | 154 | 146 | 135 | 124 | 124~166 |
| BL(T)45-8-2 | 30 | 40 | | 182 | 175 | 168 | 159 | 146 | 133 | 133~182 |
| BL(T)45-8 | 30 | 40 | | 190 | 184 | 176 | 167 | 154 | 141 | 141~190 |
| BL(T)45-9-2 | 30 | 40 | | 205 | 198 | 190 | 180 | 166 | 150 | 150~205 |
| BL(T)45-9 | 37 | 50 | | 214 | 207 | 198 | 188 | 174 | 159 | 159~214 |
| BL(T)45-10-2 | 37 | 50 | | 230 | 221 | 212 | 200 | 185 | 168 | 168~230 |
| BL(T)45-10 | 37 | 50 | | 238 | 230 | 220 | 209 | 193 | 177 | 177~238 |
| BL(T)45-11-2 | 45 | 60 | | 255 | 246 | 236 | 223 | 206 | 188 | 188~255 |
| BL(T)45-11 | 45 | 60 | | 263 | 255 | 244 | 232 | 214 | 196 | 196~263 |
| BL(T)45-12-2 | 45 | 60 | 280 | 270 | 259 | 245 | 226 | 206 | 206~280 | |
| BL(T)45-12 | 45 | 60 | 289 | 280 | 268 | 255 | 236 | 216 | 216~289 | |
| BL(T)45-13-2 | 45 | 60 | 305 | 294 | 282 | 267 | 247 | 225 | 225~305 | |

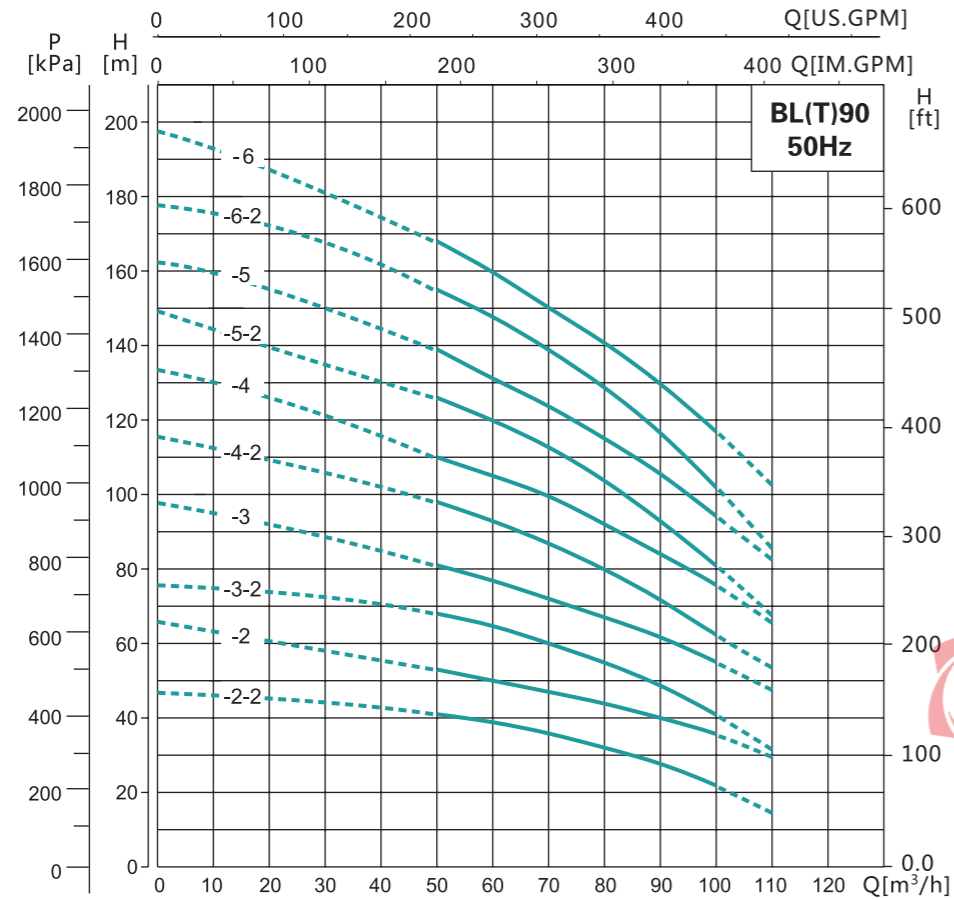
Performance Curve - BL(T)64



Performance Table

| Model | Power | | Q (m³/h) | 30 | 40 | 50 | 60 | 64 | 70 | Head Range (m) |
|-------------|-------|----|----------|-----|-----|-----|-----|-----|---------|----------------|
| | kW | HP | | | | | | | | |
| BL(T)64-2-2 | 7.5 | 10 | H (m) | 39 | 36 | 33 | 29 | 26 | 23 | 23~39 |
| BL(T)64-2-1 | 11 | 15 | | 46 | 44 | 40 | 36 | 33 | 30 | 30~46 |
| BL(T)64-2 | 11 | 15 | | 53 | 51 | 47 | 43 | 40 | 37 | 37~53 |
| BL(T)64-3-2 | 15 | 20 | | 66 | 62 | 56 | 50 | 46 | 41 | 41~66 |
| BL(T)64-3-1 | 15 | 20 | | 73 | 69 | 63 | 57 | 53 | 48 | 48~73 |
| BL(T)64-3 | 18.5 | 25 | | 80 | 76 | 71 | 65 | 60 | 56 | 55~80 |
| BL(T)64-4-2 | 18.5 | 25 | | 92 | 87 | 80 | 71 | 66 | 60 | 60~92 |
| BL(T)64-4-1 | 22 | 30 | | 100 | 94 | 87 | 78 | 73 | 67 | 67~100 |
| BL(T)64-4 | 22 | 30 | | 107 | 101 | 94 | 85 | 80 | 74 | 74~107 |
| BL(T)64-5-2 | 30 | 40 | | 121 | 114 | 105 | 95 | 88 | 80 | 80~121 |
| BL(T)64-5-1 | 30 | 40 | | 128 | 121 | 112 | 102 | 95 | 87 | 87~128 |
| BL(T)64-5 | 30 | 40 | | 136 | 129 | 119 | 109 | 102 | 94 | 94~136 |
| BL(T)64-6-2 | 30 | 40 | | 150 | 142 | 131 | 118 | 110 | 101 | 101~150 |
| BL(T)64-6-1 | 37 | 50 | | 157 | 149 | 138 | 125 | 117 | 108 | 108~157 |
| BL(T)64-6 | 37 | 50 | | 164 | 156 | 145 | 132 | 124 | 115 | 115~164 |
| BL(T)64-7-2 | 37 | 50 | | 179 | 169 | 156 | 141 | 132 | 121 | 121~179 |
| BL(T)64-7-1 | 37 | 50 | | 186 | 176 | 163 | 148 | 139 | 128 | 128~186 |
| BL(T)64-7 | 45 | 60 | | 193 | 183 | 170 | 155 | 146 | 135 | 135~193 |
| BL(T)64-8-2 | 45 | 60 | | 207 | 196 | 182 | 164 | 154 | 142 | 142~207 |
| BL(T)64-8-1 | 45 | 60 | | 215 | 203 | 189 | 171 | 161 | 149 | 149~215 |
| BL(T)64-8 | 45 | 60 | 221 | 210 | 196 | 178 | 168 | 156 | 156~221 | |

Performance Curve- BL(T)90

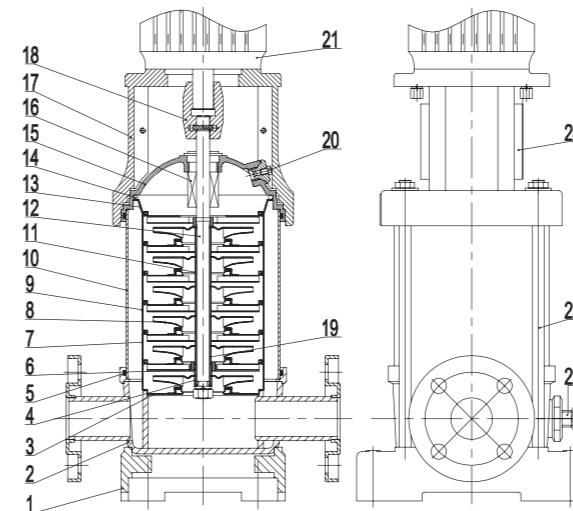


Performance Table

| Model | Power | | Q (m³/h) | Head Range (m) | | | | | | |
|-------------|-------|----|----------|----------------|-----|-----|-----|-----|-----|---------|
| | kW | HP | | 50 | 60 | 70 | 80 | 90 | 100 | |
| BL(T)90-2-2 | 11 | 15 | H (m) | 41 | 39 | 36 | 32 | 28 | 22 | 22~41 |
| BL(T)90-2 | 15 | 20 | | 53 | 50 | 47 | 44 | 40 | 36 | 36~53 |
| BL(T)90-3-2 | 18.5 | 25 | | 68 | 65 | 60 | 55 | 49 | 41 | 41~68 |
| BL(T)90-3 | 22 | 30 | | 81 | 77 | 72 | 67 | 62 | 55 | 55~81 |
| BL(T)90-4-2 | 30 | 40 | | 98 | 93 | 87 | 80 | 72 | 62 | 62~98 |
| BL(T)90-4 | 30 | 40 | | 110 | 105 | 100 | 92 | 84 | 76 | 76~110 |
| BL(T)90-5-2 | 37 | 50 | | 126 | 120 | 113 | 104 | 93 | 81 | 81~126 |
| BL(T)90-5 | 37 | 50 | | 139 | 131 | 124 | 115 | 106 | 94 | 94~139 |
| BL(T)90-6-2 | 45 | 60 | | 155 | 148 | 139 | 129 | 117 | 102 | 102~155 |
| BL(T)90-6 | 45 | 60 | | 168 | 160 | 150 | 141 | 130 | 117 | 117~168 |

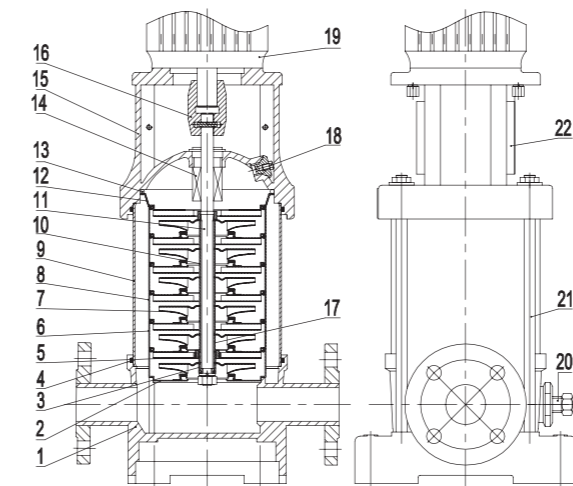
Components & Materials

BL2 BL4



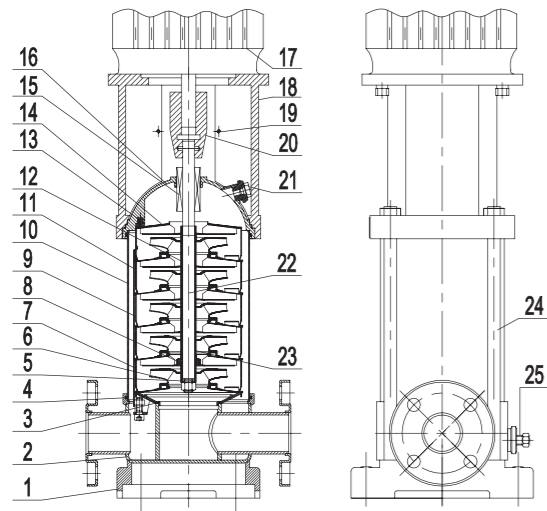
| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|----------------|-----------|
| 1 | Base Plate | HT200 | ASTM35B |
| 2 | Pump Base | SUS304 | AISI304 |
| 3 | Inlet Fluid Director | SUS304 | AISI304 |
| 4 | Lining | SUS304 | AISI304 |
| 5 | O-ring | FPM | |
| 6 | Bearing | YG 8 | |
| 7 | Fluid Director With Bearings | SUS304 | AISI304 |
| 8 | Impeller | SUS304 | AISI304 |
| 9 | Fluid Director | SUS304 | AISI304 |
| 10 | Outer Cylinder | SUS304 | AISI304 |
| 11 | Long Round Sleeve | SUS304 | AISI304 |
| 12 | Pump Shaft | SUS304 | AISI304 |
| 13 | Outlet Fluid Director | SUS304 | AISI304 |
| 14 | Wave Spring | SUS304 | AISI304 |
| 15 | Ball-Shaped Lining | SUS304 | AISI304 |
| 16 | Mechanical Seal | YG6, FPM | |
| 17 | Motor Base | HT200 | ASTM35B |
| 18 | Coupling | F0212J | |
| 19 | Short Round Sleeve | SUS304 | AISI304 |
| 20 | Air Valve | SUS304 | AISI304 |
| 21 | Motor | Standard Motor | |
| 22 | Adjustable Bolt | SUS304 | AISI304 |
| 23 | Pull-rod | Steel 45# | |
| 24 | Protection Blade | SUS304 | AISI304 |

BLT2 BLT4



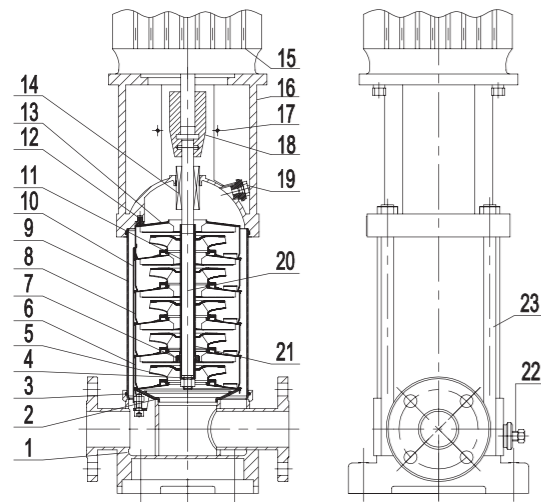
| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|----------------|-----------|
| 1 | Pump Base | HT200 | ASTM35B |
| 2 | Inlet Fluid Director | SUS304 | AISI304 |
| 3 | Lining | SUS304 | AISI304 |
| 4 | O-ring | FPM | |
| 5 | Bearing | YG8 | |
| 6 | Fluid Director With Bearings | SUS304 | AISI304 |
| 7 | Impeller | SUS304 | AISI304 |
| 8 | Fluid Director | SUS304 | AISI304 |
| 9 | Outer Cylinder | SUS304 | AISI304 |
| 10 | Long Round Sleeve | SUS304 | AISI304 |
| 11 | Pump Shaft | SUS304 | AISI304 |
| 12 | Outlet Fluid Director | SUS304 | AISI304 |
| 13 | Wave Spring | SUS304 | AISI304 |
| 14 | Mechanical Seal | YG6, FPM | |
| 15 | Motor Base | HT200 | ASTM35B |
| 16 | Coupling | F0212J | |
| 17 | Short Round Sleeve | SUS304 | AISI304 |
| 18 | Air Valve | SUS304 | AISI304 |
| 19 | Motor | Standard Motor | |
| 20 | Adjustable Bolt | SUS304 | AISI304 |
| 21 | Pull-rod | Steel 45# | |
| 22 | Protection Blade | SUS304 | AISI304 |

BL8 BL12 BL16 BL20



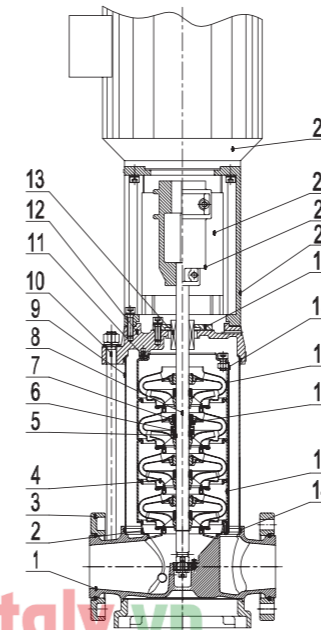
| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|----------------|-----------|
| 1 | Base Plate | HT200 | ASTM35B |
| 2 | Pump Base | SUS304 | AISI304 |
| 3 | Inlet Fluid Director | SUS304 | AISI304 |
| 4 | O-ring | FPM | |
| 5 | Lining | SUS304 | AISI304 |
| 6 | Impeller | SUS304 | |
| 7 | Fluid Director With Bearings | SUS304 | AISI304 |
| 8 | Bearing | YG8 | |
| 9 | Fluid Director | SUS304 | AISI304 |
| 10 | Outer Cylinder | SUS304 | AISI304 |
| 11 | Pull-rod | SUS304 | AISI304 |
| 12 | Long Round Sleeve | SUS304 | AISI304 |
| 13 | Compress Nail | FPM | |
| 14 | Outlet Fluid Director | SUS304 | AISI304 |
| 15 | Mechanical Seal | YG6, FPM | |
| 16 | Ball-shaped Lining | SUS304 | AISI304 |
| 17 | Motor | Standard Motor | |
| 18 | Motor Base | HT200 | ASTM35B |
| 19 | Protection Blade | SUS304 | AISI304 |
| 20 | Coupling | F0212J/QT500 | AISI304 |
| 21 | Air Valve | SUS304 | AISI304 |
| 22 | Pump Shaft | SUS304 | AISI304 |
| 23 | Short Round Sleeve | SUS304 | AISI304 |
| 24 | Pull-rod | Steel 45# | |
| 25 | Adjustable Bolt | SUS304 | AISI304 |

BLT8 BLT12 BLT16 BLT20



| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|----------------|-----------|
| 1 | Pump Base | HT200 | ASTM35B |
| 2 | Inlet Fluid Director | SUS304 | AISI304 |
| 3 | O-ring | FPM | |
| 4 | Lining | SUS304 | AISI304 |
| 5 | Impeller | SUS304 | AISI304 |
| 6 | Fluid Director With Bearings | SUS304 | AISI304 |
| 7 | Bearing | YG8 | |
| 8 | Fluid Director | SUS304 | AISI304 |
| 9 | Outer Cylinder | SUS304 | AISI304 |
| 10 | Pull-rod | SUS304 | AISI304 |
| 11 | Long Round Sleeve | SUS304 | AISI304 |
| 12 | Compress Nail | FPM | |
| 13 | Outlet Fluid Director | SUS304 | AISI304 |
| 14 | Mechanical Seal | YG6, FPM | |
| 15 | Motor | Standard Motor | |
| 16 | Motor Base | HT200 | ASTM35B |
| 17 | Protection Blade | SUS304 | AISI304 |
| 18 | Coupling | F0212J/QT500 | |
| 19 | Air Valve | SUS304 | AISI304 |
| 20 | Pump Shaft | SUS304 | AISI304 |
| 21 | Short Round Sleeve | SUS304 | AISI304 |
| 22 | Adjustable Bolt | SUS304 | AISI304 |
| 23 | Pull-rod | Steel 45# | |

BL(T)32-90



| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|----------------|----------------|
| 1 | Pump Base | SUS304/HT250 | SUS304/ASTM40B |
| 2 | Inlet Fluid Director | SUS304 | AISI304 |
| 3 | Movable Flange | SUS304 | AISI304 |
| 4 | Impeller | SUS304 | AISI304 |
| 5 | Rip Cone Sleeve | SUS304 | AISI304 |
| 6 | Nur Of Rip Cone Sleeve | SUS304 | AISI304 |
| 7 | Impeller/Bearing | YG8, SUS304 | |
| 8 | Pump Shaft | SUS304 | AISI304 |
| 9 | Outer Cylinder | SUS304 | AISI304 |
| 10 | Pull-rod | Steel 45# | |
| 11 | Compress Nail | FPM | |
| 12 | Pump Head | SUS304/HT250 | SUS304/ASTM40B |
| 13 | Mechanical Seal | YG6, FPM | |
| 14 | O-ring | FPM | |
| 15 | Fluid Director | SUS304 | AISI304 |
| 16 | Fluid Director With Bearings | SUS304 | AISI304 |
| 17 | Outlet Fluid Director | SUS304 | AISI304 |
| 18 | Draw Plate | SUS304 | AISI304 |
| 19 | Mechanical Seal Gland | SUS304 | AISI304 |
| 20 | Motor Base | HT250 | ASTM40B |
| 21 | Coupling | QT500 | |
| 22 | Protection Blade | SUS304 | AISI304 |
| 23 | Motor | Standard Motor | Standard Motor |

Horizontal Multi-Stage Centrifugal Pumps



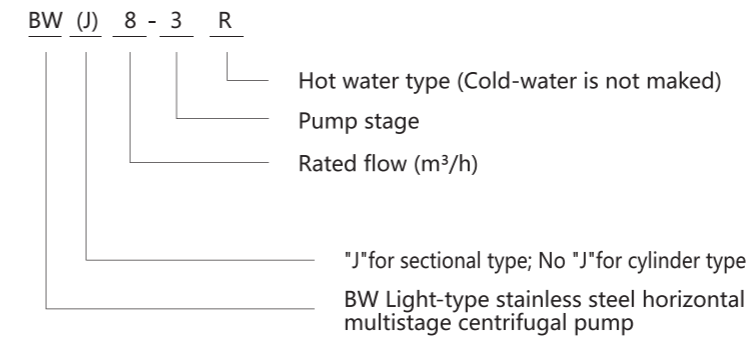
BW



BWJ



Model Instruction



Overview Of The Product

BW, BWJ stainless steel horizontal multistage centrifugal pumps are non-self priming pumps absorbing the advanced technology from home and abroad. They are classified into two kinds: cylinder type and sectional type. They adopt horizontal motor and alloy mechanical seal, which makes the replacement more convenient. The overflowing part of the pump is made of stainless steel 304, applicable for light-corrosion medium. Relying on the high efficiency, energy saving performance, reliable quality, wide usable range, our products receive the great popularity after being launched.

Application Limits

- ⊙ Temperature range of medium: Normal type 0 ~ +68°C , hot water type 0 ~ +120°C
- ⊙ Maximum ambient temperature: +40 °C
- ⊙ Maximum working pressure: 10 bar
- ⊙ When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a driving motor of high-power.
- ⊙ pH: 6.5 to 8.5

Applications Fields

- ⊙ Air conditioner system
- ⊙ Industrial cleansing
- ⊙ Water processing(Water purification)
- ⊙ Aquaculture
- ⊙ Environmental application
- ⊙ Fertilization/measuring system
- ⊙ Cooling System
- ⊙ Other special applications

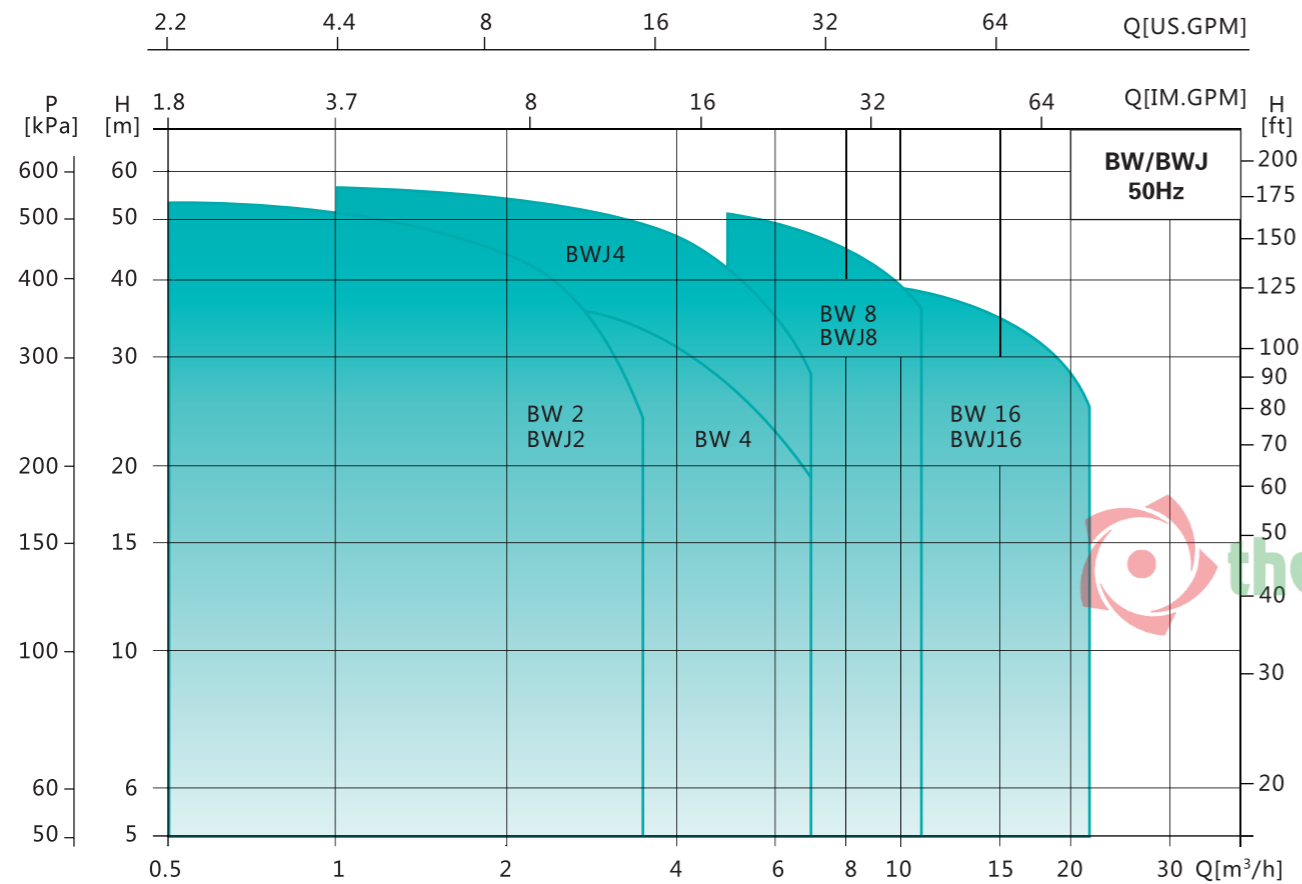
Certificate



Optional Available On Request

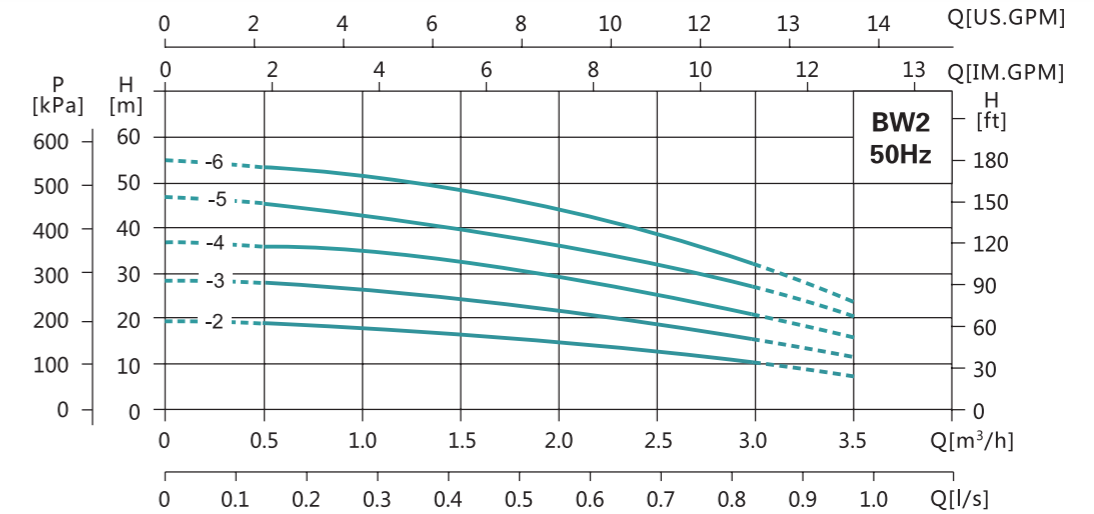
- ⊙ Full-enclosed and ventilating two-pole standard motor
- ⊙ Protection class: IP55
- ⊙ Insulation class: F
- ⊙ Standard voltage (50Hz): Single phase 220V
Three phase:380V or 220V

Performance Curve



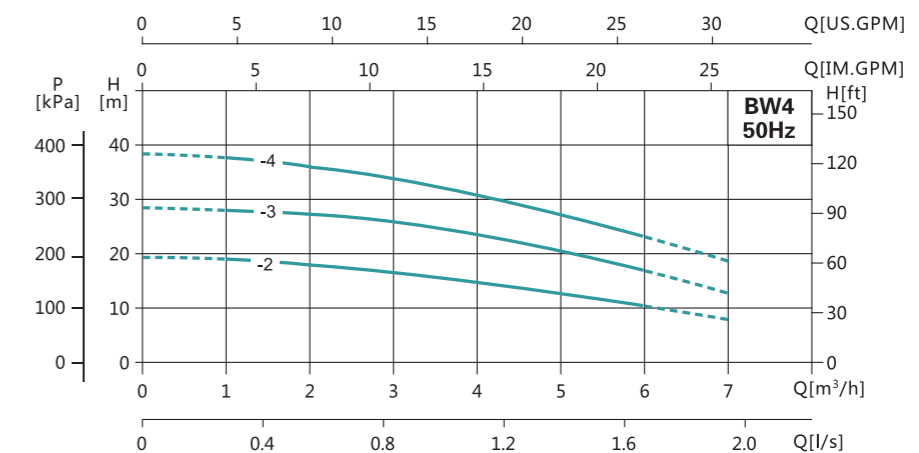
| Model | BW2/BWJ2 | BW4/BWJ4 | BW8 | BW16 | BWJ8 | BWJ16 |
|-------------------|-----------|----------|----------|-------|----------|--------|
| Rated Flow(m³/h) | 2 | 4 | 8 | 16 | 8 | 16 |
| Flow Range(m³/h) | 0.5~3.5 | 1~7 | 5~11 | 8~22 | 5~11 | 8~22 |
| Max.Pressure(bar) | 5.5 | 4 | 5 | 4 | 5 | 4 |
| Motor Power(kW) | 0.37~0.75 | 0.37~1.1 | 0.75~2.2 | 2.2~3 | 0.75~2.2 | 2.2~3 |
| Max.Efficiency(%) | 45 | 59 | 64 | 70 | 64 | 70 |
| Inlet | G1 | G1 1/4 | G2 | G2 | G1 1/2 | G1 1/2 |
| Outlet | G1 | G1 | G2 | G2 | G1 1/4 | G1 1/4 |

Performance Details-BW2



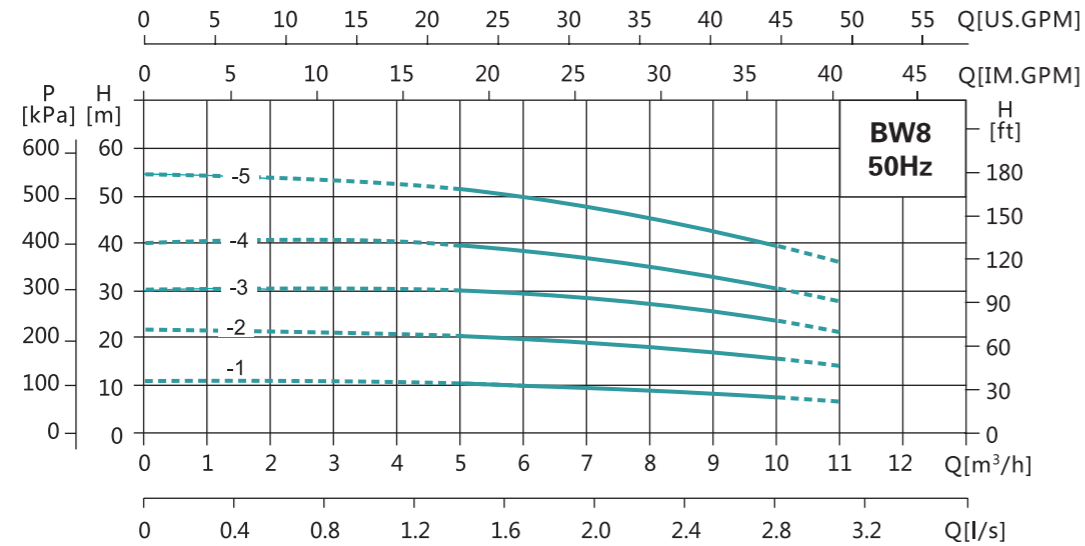
| Model | Power | | Q(m³/h) | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | Head Range (m) |
|-------|-------|------|---------|------|------|------|-----|------|------|----------------|
| | kW | HP | | | | | | | | |
| BW2-2 | 0.37 | 0.5 | H (m) | 19 | 18 | 16.5 | 15 | 13 | 10 | 10~19 |
| BW2-3 | 0.37 | 0.5 | | 28 | 26.5 | 24.5 | 22 | 19 | 15.5 | 15.5~28 |
| BW2-4 | 0.55 | 0.75 | | 36 | 34.5 | 33 | 29 | 25 | 20.5 | 20.5~36 |
| BW2-5 | 0.55 | 0.75 | | 45.5 | 43 | 40 | 36 | 31.5 | 26.5 | 26.5~45.5 |
| BW2-6 | 0.75 | 1 | | 53.5 | 51 | 48 | 44 | 39 | 32 | 32~53.5 |
| | | | | | | | | | | |

Performance Details-BW4



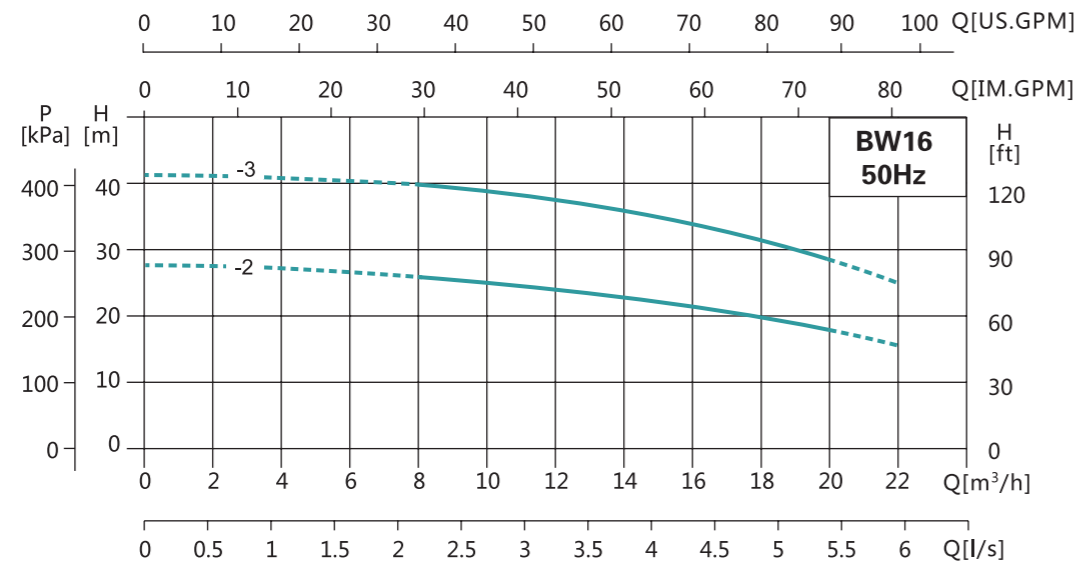
| Model | Power | | Q(m³/h) | 1 | 2 | 3 | 4 | 5 | 6 | Head Range (m) |
|-------|-------|------|---------|------|----|----|------|------|----|----------------|
| | kW | HP | | | | | | | | |
| BW4-2 | 0.37 | 0.5 | H (m) | 19 | 18 | 17 | 15 | 12.5 | 10 | 10~19 |
| BW4-3 | 0.55 | 0.75 | | 28 | 27 | 26 | 23.5 | 20.5 | 17 | 17~28 |
| BW4-4 | 0.75 | 1 | | 37.5 | 36 | 34 | 31 | 27 | 23 | 23~37.5 |

Performance Details-BW8



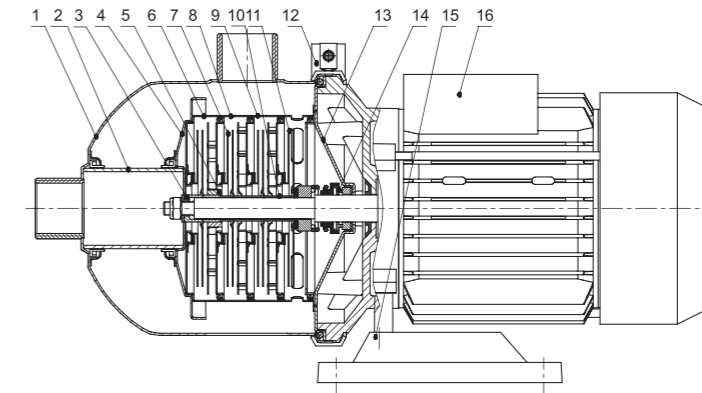
| Model | Power | | Q(m³/h) | Head (m) | | | | | | Head Range (m) |
|-------|-------|-----|---------|----------|------|------|----|------|------|----------------|
| | kW | HP | | 5 | 6 | 7 | 8 | 9 | 10 | |
| BW8-2 | 0.75 | 1 | H (m) | 20 | 19.5 | 19 | 18 | 17 | 15.5 | 15.5~20 |
| BW8-3 | 1.1 | 1.5 | | 29.5 | 29 | 28 | 27 | 25 | 23 | |
| BW8-4 | 1.5 | 2 | | 39 | 38 | 37 | 35 | 33 | 30.5 | |
| BW8-5 | 2.2 | 3 | | 51 | 49.5 | 47.5 | 45 | 42.5 | 39.5 | |
| | | | | | | | | | | |

Performance Details-BW16



| Model | Power | | Q(m³/h) | Head (m) | | | | | | Head Range (m) | |
|--------|-------|----|---------|----------|----|----|----|------|------|----------------|-------|
| | kW | HP | | 8 | 10 | 12 | 14 | 16 | 18 | | 20 |
| BW16-2 | 2.2 | 3 | H (m) | 26 | 25 | 24 | 23 | 21.7 | 20 | 18 | 18~26 |
| BW16-3 | 3 | 4 | | 40 | 39 | 38 | 36 | 34 | 31.5 | 29 | |

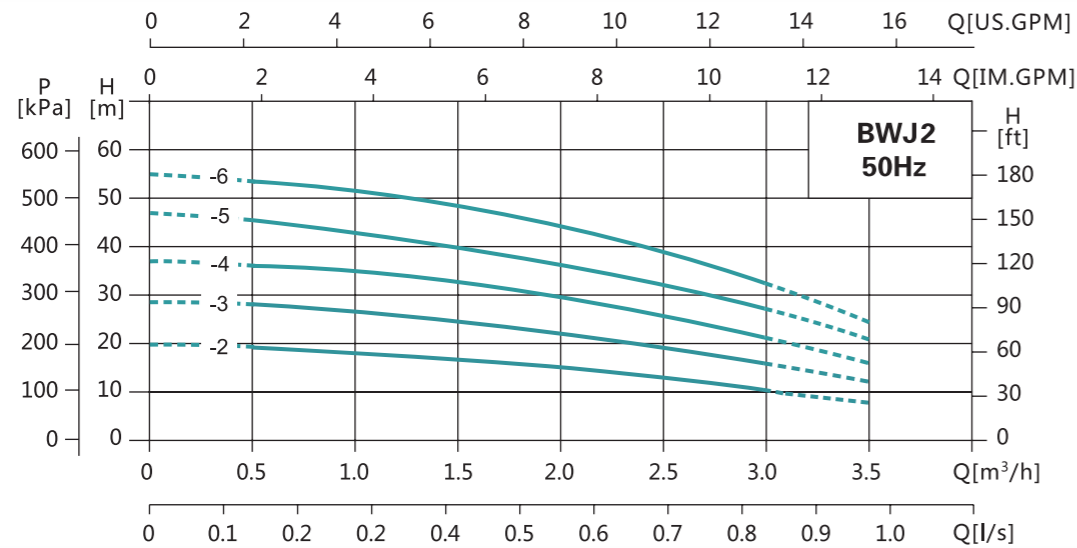
Components & Materials



BW

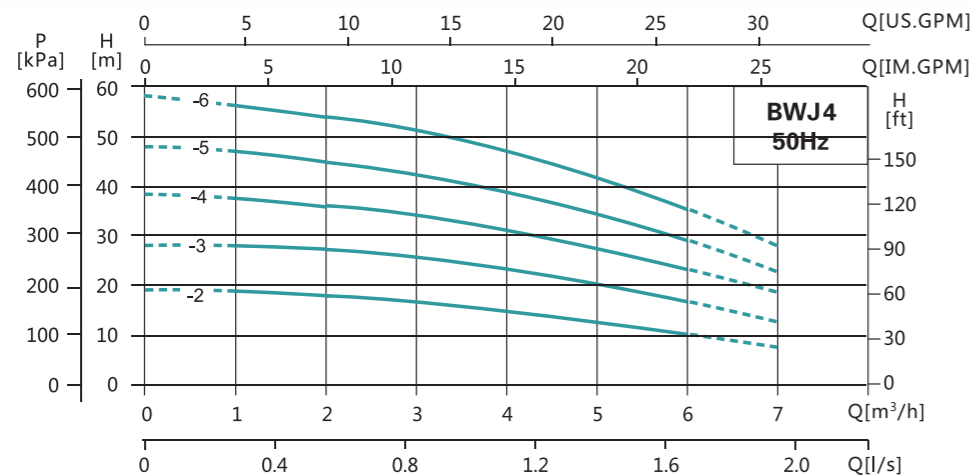
| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|-------------------------------------|-----------|
| 1 | Pressure-resistant Component | SUS304 | AISI304 |
| 2 | Adapting Pipe | SUS304 | AISI304 |
| 3 | Lining | SUS304 | AISI304 |
| 4 | Platen Component | SUS304 | AISI304 |
| 5 | Bearing | YG 8 | |
| 6 | Inlet Fluid Director | SUS304 | AISI304 |
| 7 | Impeller | SUS304 | AISI304 |
| 8 | Fluid Director With Bearings | SUS304 | AISI304 |
| 9 | Fluid Director | SUS304 | AISI304 |
| 10 | Round Bush | SUS304 | AISI304 |
| 11 | Outlet Fluid Director | SUS304 | AISI304 |
| 12 | Hooping Component | SUS304 | AISI304 |
| 13 | Front Cover Component | SUS304 | AISI304 |
| 14 | Mechanical Seal | Sic FPM | |
| 15 | Base | Q235A | AISI1015 |
| 16 | Motor | Horizontal Motor(Lengthening Shaft) | |

Performance Details-BWJ2



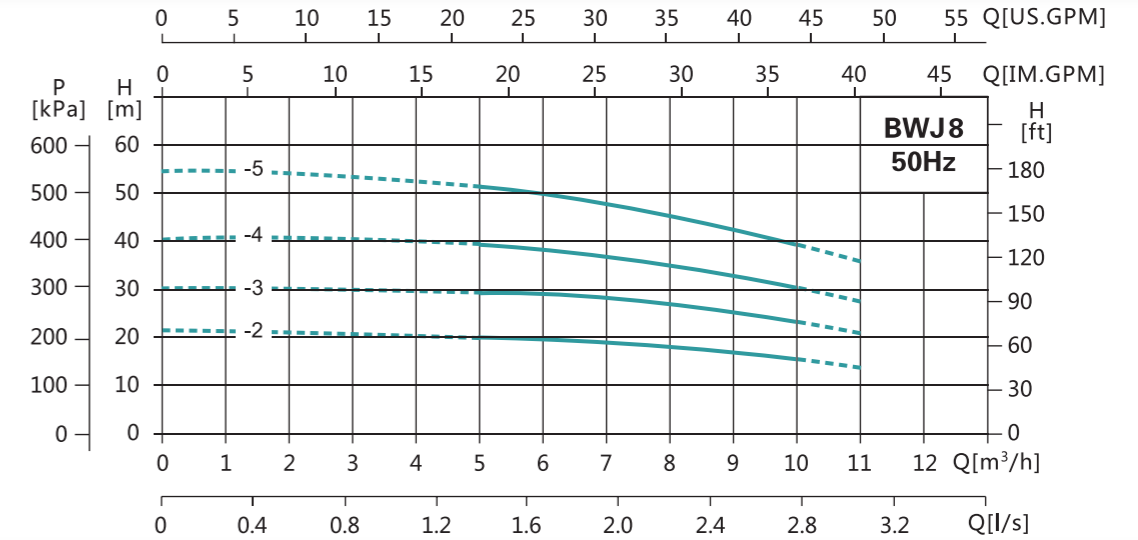
| Model | Power | | Q(m³/h) | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | Head Range (m) |
|--------|-------|------|---------|------|------|------|-----|------|------|----------------|
| | kW | HP | | | | | | | | |
| BWJ2-2 | 0.37 | 0.5 | H (m) | 19 | 18 | 16.5 | 15 | 13 | 10 | 10~19 |
| BWJ2-3 | 0.37 | 0.5 | | 28 | 26.5 | 24.5 | 22 | 19 | 15.5 | 15.5~28 |
| BWJ2-4 | 0.55 | 0.75 | | 36 | 34.5 | 33 | 29 | 25 | 20.5 | 20.5~36 |
| BWJ2-5 | 0.55 | 0.75 | | 45.5 | 43 | 40 | 36 | 31.5 | 26.5 | 26.5~45.5 |
| BWJ2-6 | 0.75 | 1 | | 53.5 | 51 | 48 | 44 | 39 | 32 | 32~53.5 |

Performance Details-BWJ4



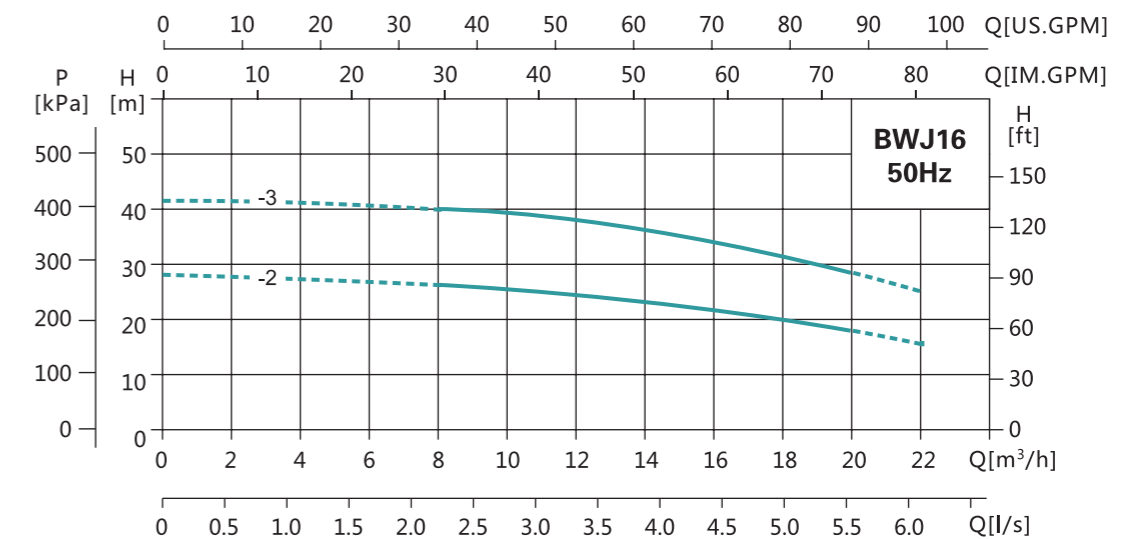
| Model | Power | | Q(m³/h) | 1 | 2 | 3 | 4 | 5 | 6 | Head Range (m) |
|--------|-------|------|---------|------|----|------|------|------|------|----------------|
| | kW | HP | | | | | | | | |
| BWJ4-2 | 0.37 | 0.5 | H (m) | 19 | 18 | 17 | 15 | 12.5 | 10 | 10~19 |
| BWJ4-3 | 0.55 | 0.75 | | 28 | 27 | 26 | 23.5 | 20.5 | 17 | 17~28 |
| BWJ4-4 | 0.75 | 1 | | 37.5 | 36 | 34 | 31 | 27 | 23 | 23~37.5 |
| BWJ4-5 | 1.1 | 1.5 | | 47 | 45 | 42.5 | 39 | 34 | 29 | 29~47 |
| BWJ4-6 | 1.1 | 1.5 | | 56 | 54 | 51 | 47 | 41.5 | 35.5 | 35.5~56 |

Performance Details-BWJ8



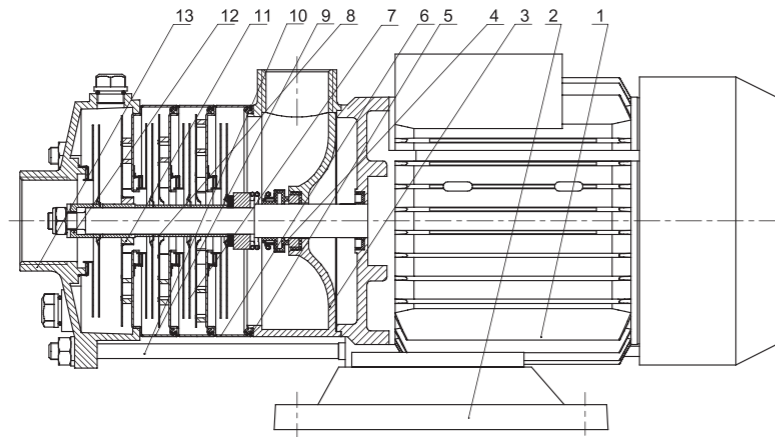
| Model | Power | | Q(m³/h) | 5 | 6 | 7 | 8 | 9 | 10 | Head Range (m) |
|--------|-------|-----|---------|------|------|------|----|------|------|----------------|
| | kW | HP | | | | | | | | |
| BWJ8-2 | 0.75 | 1 | H (m) | 20 | 19.5 | 19 | 18 | 17 | 15.5 | 15.5~20 |
| BWJ8-3 | 1.1 | 1.5 | | 29.5 | 29 | 28 | 27 | 25 | 23 | 23~29.5 |
| BWJ8-4 | 1.5 | 2 | | 39 | 38 | 37 | 35 | 33 | 30.5 | 30.5~39 |
| BWJ8-5 | 2.2 | 3 | | 51 | 49.5 | 47.5 | 45 | 42.5 | 39.5 | 39.5~51 |

Performance Details-BWJ16



| Model | Power | | Q(m³/h) | 8 | 10 | 12 | 14 | 16 | 18 | 20 | Head Range (m) |
|---------|-------|----|---------|----|----|----|----|------|------|----|----------------|
| | kW | HP | | | | | | | | | |
| BWJ16-2 | 2.2 | 3 | H (m) | 26 | 25 | 24 | 23 | 21.7 | 20 | 18 | 18~26 |
| BWJ16-3 | 3 | 4 | | 40 | 39 | 38 | 36 | 34 | 31.5 | 29 | 29~40 |

Components & Materials



BWJ

| No. | Component | Material | AISI/ASTM |
|-----|------------------------------|-------------------------------------|-----------|
| 1 | Motor | Horizontal Motor(Lengthening Shaft) | |
| 2 | Base | Q235A | AISI1015 |
| 3 | Water Outlet Shell | SUS304 | AISI304 |
| 4 | Mechanical Seal | SIC FPM | |
| 5 | Sealing Gasket | NBR | |
| 6 | Fluid Director | SUS304 | AISI304 |
| 7 | Impeller | SUS304 | AISI304 |
| 8 | Long Casing Bush | SUS304 | AISI304 |
| 9 | Fluid Director With Bearings | SUS304 | AISI304 |
| 10 | Pull-rod | Steel 45# | |
| 11 | Bearing | YG 8 | |
| 12 | Lining | SUS304 | AISI304 |
| 13 | Water Inlet Shell | SUS304 | AISI304 |

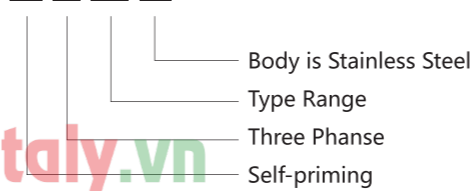
Self-Priming JET Pumps



JET-G1

Model Instruction

JET S 370 G1



Applications Fields

- ◉ Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
- ◉ Widely used in well water lifting, garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, pipeline boosting, etc.

Performance Range

- ◉ Max. Flow: 6m³/h
- ◉ Max. Head: 48m

Features

- ◉ 304 stainless steel pressed tensile pump body & pump cover
- ◉ Hydraulic optimization design, excellent performance
- ◉ Nozzle, guide vane and the impeller PPO engineering plastics
- ◉ Products are complete in specifications, meet drinking water standards

Application Limits

- ◉ Suction head up to 9m
- ◉ Liquid temperature up to +40°C
- ◉ Ambient temperature up to +40°C
- ◉ Max. Working pressure: 6bar
- ◉ Voltage fluctuation should not exceed 10% of rated value.
- ◉ pH: 6.5 to 8.5

Motor

- ◉ Single-Phase 220V/50Hz
- ◉ Three-Phase 380V/50Hz
- ◉ Motor: 2 pole asynchronous motor, copper wires, built-in thermal protector, fully closed fan cooling, continuous running
- ◉ Protection: IP44
- ◉ Insulation: Class B

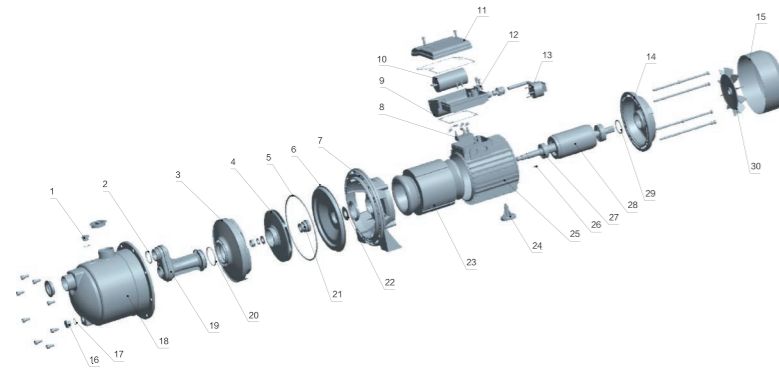
Certificate



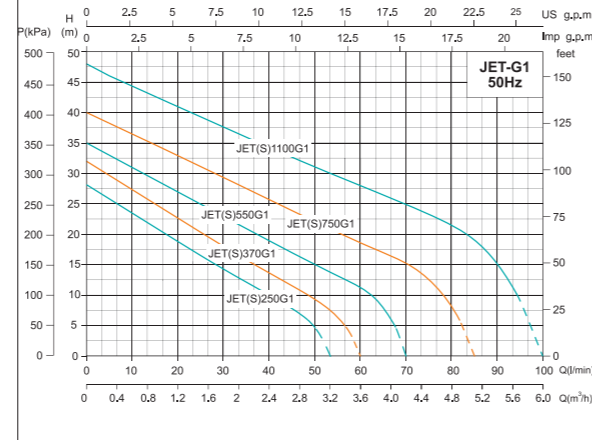
Optional Available on Request

- (* Standard configuration on Page 37)
- ◉ NSK bearing
- ◉ Motor whose insulation class is F
- ◉ Other voltage or frequency is 60Hz

Components & Materials



Performance Curve



| No. | Component | No. | Component | No. | Component |
|-----|--------------|-----|--------------------|-----|----------------------|
| 1 | Bleed Screw | 11 | Terminal Box Cover | 21 | Mechanical Sea |
| 2 | O-ring | 12 | Cable Guard | 22 | Water Deflector |
| 3 | Guide Vanes | 13 | Cable | 23 | Stator Core Assembly |
| 4 | Impeller | 14 | End Shield | 24 | Foot |
| 5 | O-Ring | 15 | Fan Cover | 25 | Motor Case |
| 6 | Pump Cover | 16 | Bleed Screw | 26 | Key |
| 7 | Coupling | 17 | O-ring | 27 | Bearing |
| 8 | Terminals | 18 | Pump Body | 28 | Rotor |
| 9 | Terminal Box | 19 | Injection | 29 | Waved Spring |
| 10 | Capacitor | 20 | O-ring | 30 | Fan |

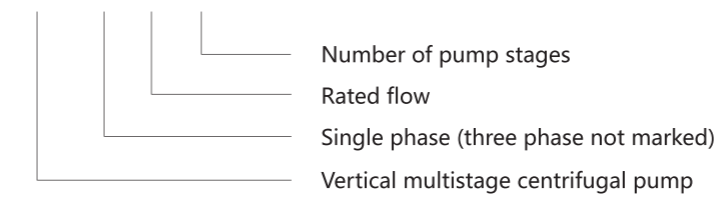
| NO. | Model | JET250G1 | JET370G1 | JET550G1 | JET750G1 | JET1100G1 | JETS250G1 | JETS370G1 | JETS550G1 | JETS750G1 | JETS1100G1 |
|-----|-------------------|--|------------|--|-----------|--|--|-----------|--|-----------|--|
| 10 | Capacitor | 10 µF/450V | 15 µF/450V | 18 µF/450V | 20µF/450V | 30µF/450V | / | / | / | / | / |
| 27 | End-cover Bearing | 6201-2RZ | | 6202-2RZ | | 6204-2RZ | 6201-2RZ | | 6202-2RZ | | 6204-2RZ |
| | Coupling Bearing | 6202-2RZ | | 6203-2RZ | | 6204-2RZ | 6202-2RZ | | 6203-2RZ | | 6204-2RZ |
| | Motor Shaft | AISI 304+Steel 45# | | | | | | | | | |
| 21 | Mechanical Seal | 301-12/21 B:A (P) (Stationary seal ring ø26) | | 301-14/21 B:A (P) (Stationary seal ring ø28) | | 301-16/21 B:A (P) (Stationary seal ring ø30) | 301-12/21 B:A (P) (Stationary seal ring ø26) | | 301-14/21 B:A (P) (Stationary seal ring ø28) | | 301-14/21 B:A (P) (Stationary seal ring ø28) |
| | | A:Graphite B: Ceramic P:NBR | | | | | | | | | |
| 25 | Motor Bracket | Aluminum | | | | | | | | | |
| 7 | Coupling | Aluminum | | | | | | | | | |
| 18 | Pump Body | Stainless steel 304 | | | | | | | | | |
| 4 | Impeller | Plastics PPO | | | | | | | | | |
| 3 | Guide Vane | Plastics PPO | | | | | | | | | |

| Model | | Power | | DN1 | DN2 | Max. Flow (m³/h) | Max. Head (m) | Max. Suction (m) | Dim.(L×W×H) mm | G.W.(kg) | |
|--------------|-------------|-------|------|--------|-----|------------------|---------------|------------------|----------------|--------------|-------------|
| Single-Phase | Three-Phase | kW | HP | (Inch) | | | | | | Single-Phase | Three-Phase |
| JET250G1 | JETS250G1 | 0.25 | 0.37 | 1 | 1 | 3.2 | 28 | 8 | 370×210×220 | 6.4 | 6.4 |
| JET370G1 | JETS370G1 | 0.37 | 0.5 | 1 | 1 | 3.6 | 32 | 8 | 415×220×240 | 7 | 7 |
| JET550G1 | JETS550G1 | 0.55 | 0.75 | 1 | 1 | 4.2 | 35 | 9 | 460×225×255 | 9.5 | 9.5 |
| JET750G1 | JETS750G1 | 0.75 | 1 | 1 | 1 | 5.1 | 40 | 9 | 460×225×255 | 11 | 11 |
| JET1100G1 | JETS1100G1 | 1.1 | 1.5 | 1 | 1 | 6 | 48 | 9 | 485×245×270 | 14.5 | 13.5 |

PLD economical vertical multistage pump

Model Instruction

PL (D) 2 - 2



Performance range

- ⊗ max lift: 153 m;
- ⊗ Max flow: 4m³ / h;

Conditions

- ⊗ The temperature of the medium does not exceed +60 ° C;
- ⊗ The ambient temperature does not exceed +40 ° C;
- ⊗ The PH value of the medium is between 6.5 and 8.5, the volume ratio of solid impurities in the medium is ≤ 0.1%, and the particle size is ≤ 0.2mm.
- ⊗ The maximum working pressure is 15 bar;
- ⊗ The highest altitude is 1000m;

Application

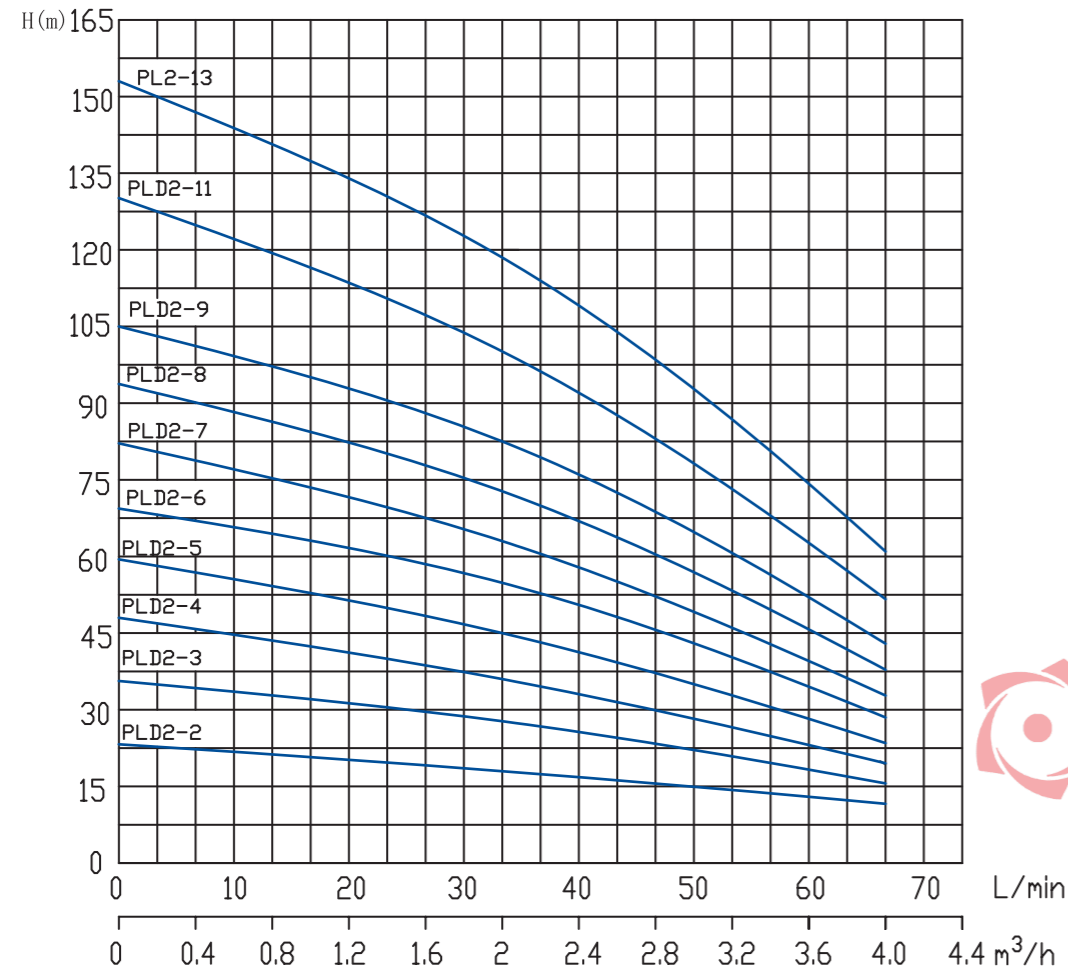
The product has the characteristics of high cost performance, low flow rate, high lift and low noise. It is widely used in high-rise building water supply and drainage, water plant filtration and transportation, pipeline pressurization system, equipment supporting and other occasions.

Structural material

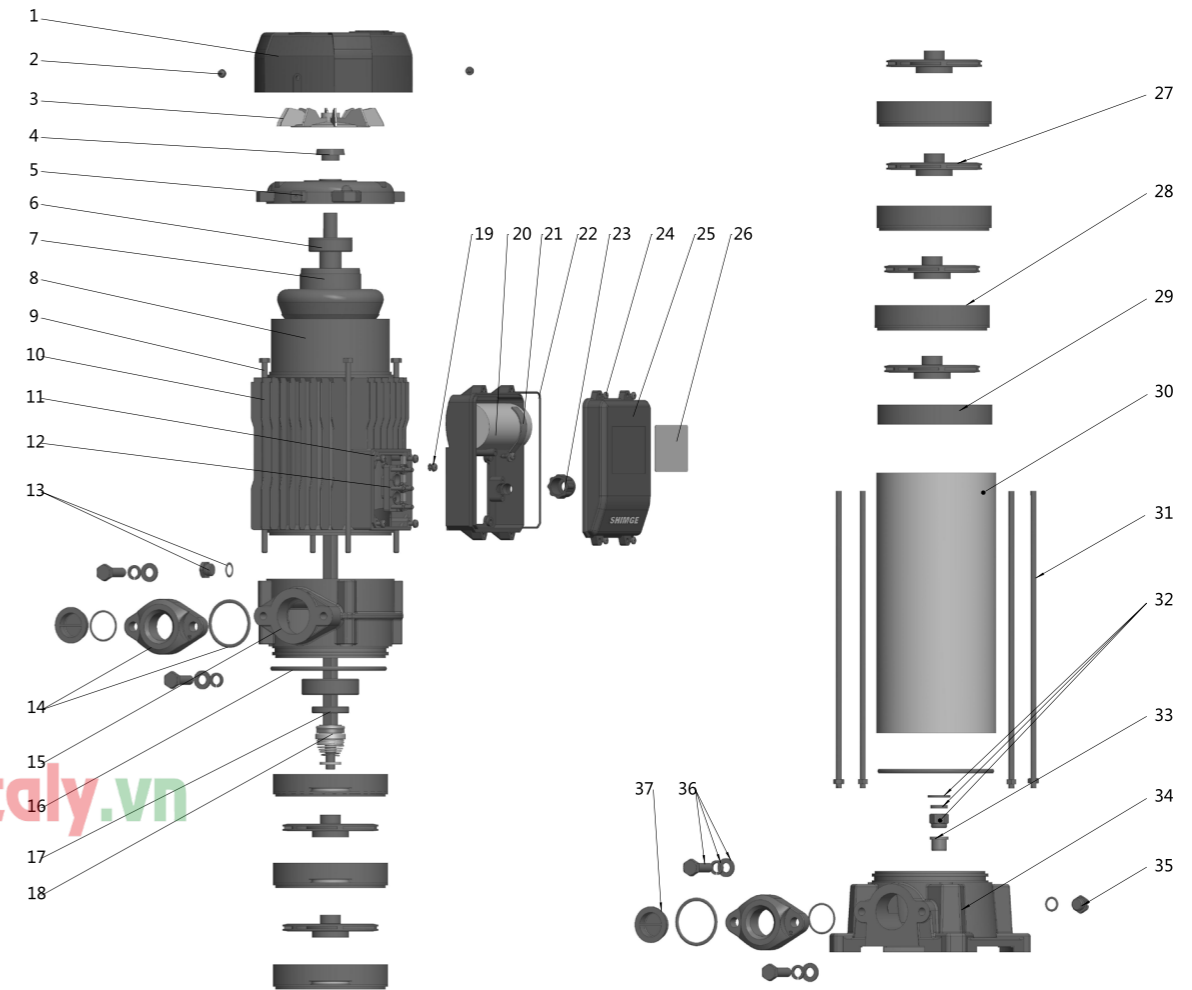
- ⊗ pump seat / coupling / back cover / inlet pipe: cast iron;
- ⊗ Axis: 304+45 friction welding;
- ⊗ impeller / guide vane: PPO + GF30
- ⊗ Case: YL102
- ⊗ pump barrel: 304
- ⊗ junction box: ABS
- ⊗ mechanical seal: silicon carbide / graphite / nitrile rubber;
- ⊗ Bearing: 6305-2RS / human, 6204-2RS / human, contact sealed;
- ⊗ Motor: 2-pole asynchronous motor, copper coil, fan cooling, continuous operation.
- ⊗ protection level: IP 55;
- ⊗ Insulation class: F.



Performance curve

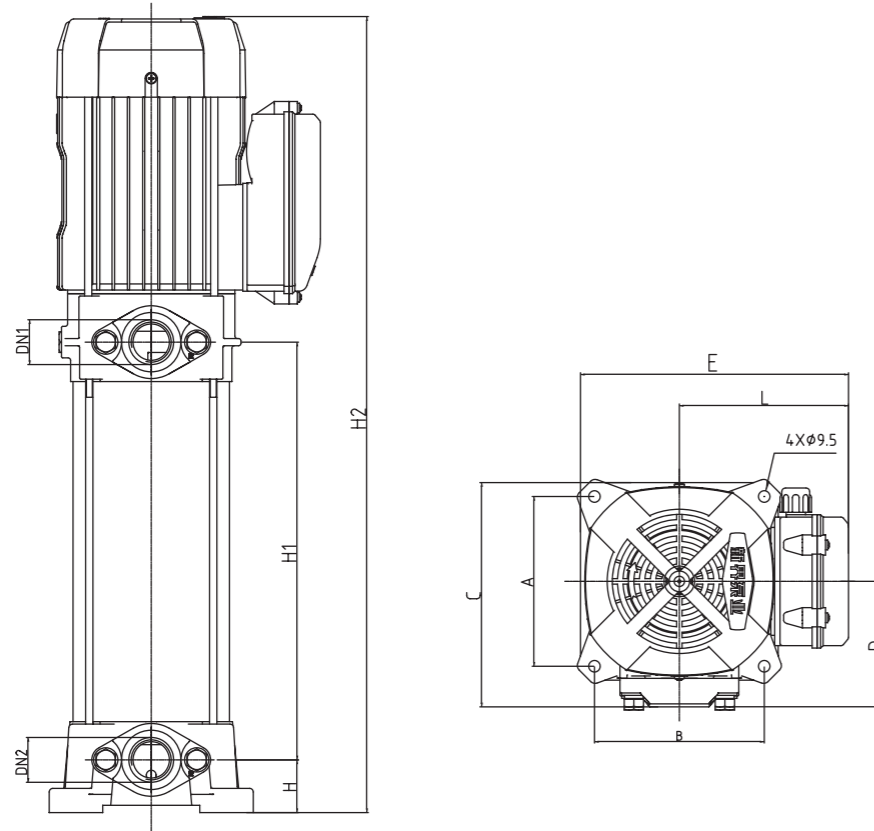


| Model | | Power | | Q(m³/h) | 0 | 1 | 2 | 3 | 4 |
|--------------|-------------|-------|------|----------|-----|------|------|----|------|
| single-phase | Three phase | kW | HP | Q(L/min) | 0 | 16.7 | 33.3 | 50 | 66.7 |
| PLD202 | PL202 | 0.37 | 0.5 | H (m) | 24 | 23 | 18.5 | 15 | 6 |
| PLD203 | PL203 | 0.55 | 0.75 | | 36 | 33 | 28 | 22 | 9 |
| PLD204 | PL204 | 0.75 | 1 | | 48 | 45 | 36 | 30 | 11 |
| PLD205 | PL205 | 1.1 | 1.5 | | 59 | 57 | 45 | 37 | 15 |
| PLD206 | PL206 | 1.1 | 1.5 | | 69 | 65 | 53 | 45 | 18 |
| PLD207 | PL207 | 1.1 | 1.5 | | 82 | 75 | 65.5 | 52 | 25 |
| PLD208 | PL208 | 1.5 | 2 | | 94 | 87 | 73 | 59 | 28 |
| PLD209 | PL209 | 1.5 | 2 | | 105 | 98 | 84 | 67 | 35 |
| PLD211 | PL211 | 1.8 | 2.5 | | 130 | 119 | 102 | 82 | 37 |
| -- | PL213 | 2.2 | 3 | | 153 | 142 | 122 | 97 | 39 |



| No. | Component | No. | Component | No. | Component |
|-----|--------------------------------|-----|---------------------------------------|-----|---------------------------|
| 1 | Fan cover | 14 | Inlet pipe, type 0 seal | 27 | Impeller |
| 2 | Cross groove flange face screw | 15 | Connecting parts | 28 | Guide vane |
| 3 | The fan | 16 | 0 type seal | 29 | The last stage guide vane |
| 4 | The seal ring | 17 | Skeleton oil seal | 30 | Pump tube |
| 5 | The back end cover | 18 | Mechanical seal | 31 | Isometric studs |
| 6 | Deep groove ball bearings | 19 | External tooth lock washer | 32 | Flat washer |
| 7 | The rotor | 20 | Capacitor | 33 | Bushing |
| 8 | With winding stator core | 21 | Capacitor clamp | 34 | The base |
| 9 | Hex head bolt | 22 | Rubber washer | 35 | Drain cock |
| 10 | The case | 23 | Cable lock | 36 | Flat washer |
| 11 | Rubber gasket | 24 | Phillips pan head Self-tapping screws | 37 | Dust cover |
| 12 | Terminal | 25 | Junction box | | |
| 13 | Venting cock, type 0 seal | 26 | Nameplate | | |

Product appearance size



| Model | | DN1 | DN2 | H | H1 | H2 | A | B | C | D | E | L |
|--------------|-------------|-----|-----|------|-------|-------|-----|-----|-----|-------|-----|-------|
| single-phase | Three phase | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PLD202 | PL202 | G1 | G2 | 43.5 | 128.5 | 440.5 | 140 | 140 | 185 | 130.5 | 221 | 139.5 |
| PLD203 | PL203 | | | | 152.5 | 464.5 | | | | | | |
| PLD204 | PL204 | | | | 176.5 | 488.5 | | | | | | |
| PLD205 | PL205 | | | | 200.5 | 512.5 | | | | | | |
| PLD206 | PL206 | | | | 224.5 | 536.5 | | | | | | |
| PLD207 | PL207 | | | | 248.5 | 560.5 | | | | | | |
| PLD208 | PL208 | | | | 272.5 | 584.5 | | | | | | |
| PLD209 | PL209 | | | | 296.5 | 608.5 | | | | | | |
| PLD211 | PL211 | | | | 344.5 | 656.5 | | | | | | |
| -- | PL213 | | | | 392.5 | 704.5 | | | | | | |

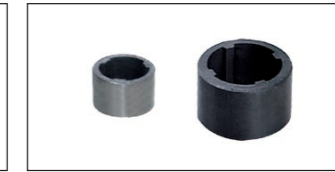
Shaft



Lining



Bearing inner



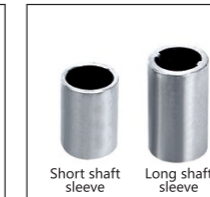
Cartridge mechanical seal



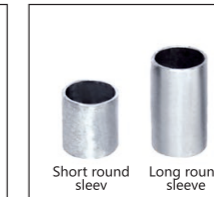
Coupling



Shaft sleeve



Round sleeve



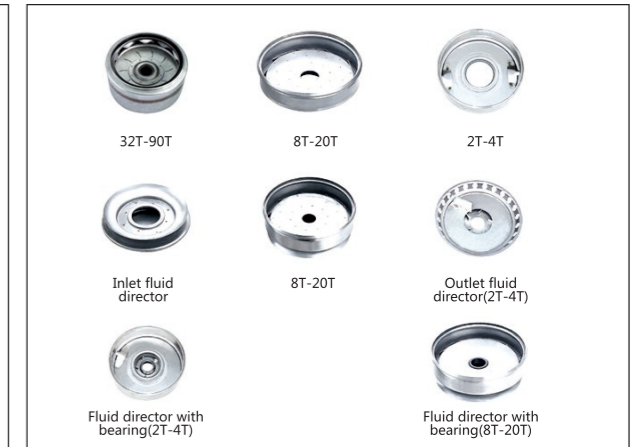
Base plate



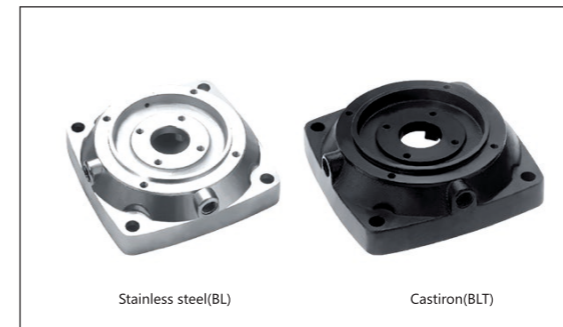
Pump base



Fluid director



Pump head



Motor base



Impeller







 thegioimayitaly.vn

