



Application

- It is widely used for heating ventilating and air conditioning (HVAC) circulation, pressure boosting of hot water in family, homes powered by solar energy, industrial auxiliary equipment cold and hot water circulation and so forth
- Water circulation for the central and district heating system
- Domestic hot water circulation

Pump

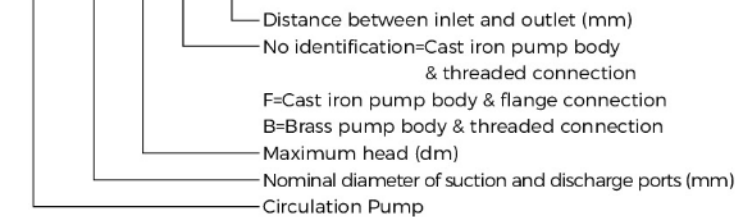
- Brass or anti-rust cast iron pump body
- Noryl impeller with heat resistance up to 150°C
- 95% alumina ceramic shaft
- Liquid temperature: 2°C - 110°C

Motor

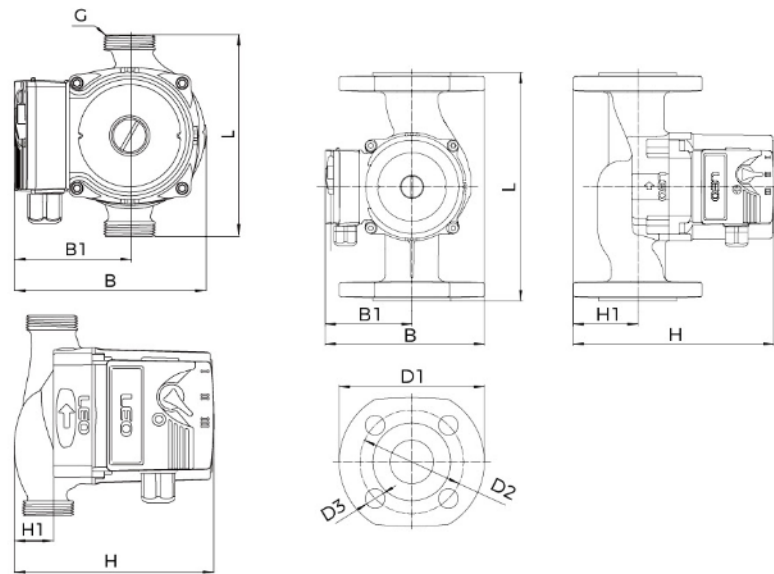
- Insulation class: H
- Protection class: IP44
- 99% alumina ceramic bearing
- Copper winding
- Three speed motor

Identification Codes

LRP 15-50 B/130



Dimension Drawing

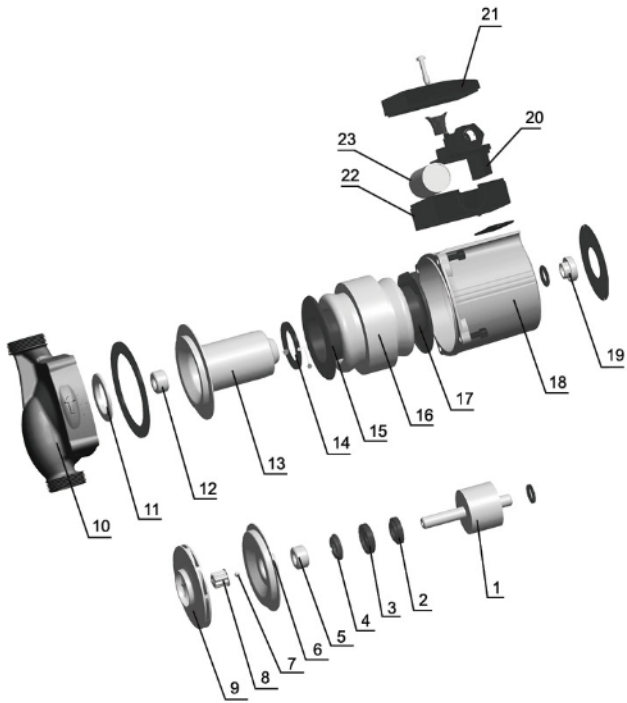


| Model         | L (mm) | B (mm) | B1 (mm) | H (mm) | H1 (mm) | D1 (mm) | D2 (mm) | D3 (mm) |
|---------------|--------|--------|---------|--------|---------|---------|---------|---------|
| LRP32-80F/220 | 220    | 150    | 85      | 191.5  | 65      | 140     | Φ100    | Φ19     |
| LRP36-80F/200 | 200    | 138    | 85      | 174.5  | 45      | 90      | Φ90     | Φ11.5   |
| LRP40-80F/250 | 250    | 155    | 85      | 196.5  | 70      | 150     | Φ110    | Φ19     |

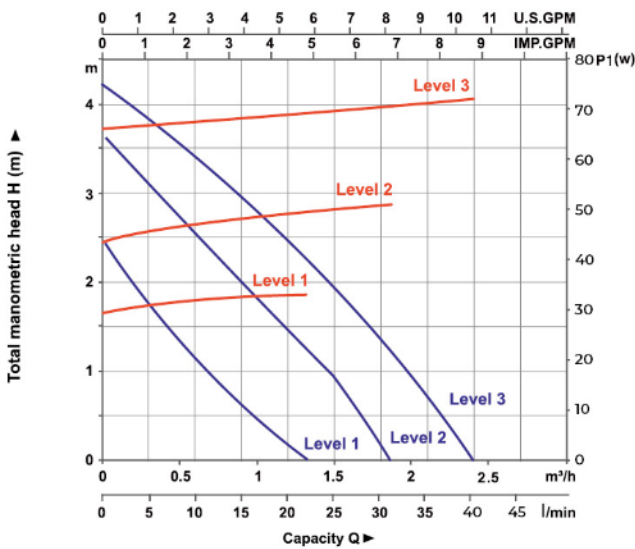
| Model          | Voltage /Frequency (V/Hz) | Power(W) |     |     | Max. Flow (l/min) | Max.Head (m) | N.W. (kgs) | G.W. (kgs) | Packing Size (mm) |
|----------------|---------------------------|----------|-----|-----|-------------------|--------------|------------|------------|-------------------|
|                |                           | 3        | 2   | 1   |                   |              |            |            |                   |
| LRP15-40/130   | 220-240/50Hz              | 67       | 58  | 40  | 46/42/30          | 4.5/4.4/3.6  | 2.32       | 2.45       | 165x150x140       |
| LRP15-40B/130  | 220-240/50Hz              | 67       | 58  | 40  | 46/42/30          | 4.5/4.4/3.6  | 2.41       | 2.54       | 165x150x140       |
| LRP20-40/130   | 220-240/50Hz              | 68       | 59  | 40  | 51/46/32          | 4.3/4.1/3.6  | 2.37       | 2.5        | 165x150x140       |
| LRP25-40/130   | 220-240/50Hz              | 72       | 63  | 42  | 60/55/33          | 4.6/3.3/2.3  | 2.44       | 2.57       | 165x150x140       |
| LRP25-40/180   | 220-240/50Hz              | 73       | 64  | 43  | 64/58/35          | 4.6/4.3/3.9  | 2.55       | 2.71       | 195x150x140       |
| LRP32-40/180   | 220-240/50Hz              | 69       | 60  | 41  | 60/54/37          | 4.3/4.0/3.4  | 2.73       | 2.89       | 195x150x140       |
| LRP15-50/130   | 220-240/50Hz              | 85       | 60  | 40  | 40/32/23          | 4.5/3.8/2.5  | 2.32       | 2.45       | 165x150x140       |
| LRP15-50B/130  | 220-240/50Hz              | 85       | 60  | 40  | 47/37/25          | 4.5/3.8/2.5  | 2.41       | 2.54       | 165x150x140       |
| LRP20-50/130   | 220-240/50Hz              | 75       | 65  | 42  | 50/43/28          | 5.2/4.9/3.4  | 2.37       | 2.5        | 165x150x140       |
| LRP25-50/130   | 220-240/50Hz              | 73       | 62  | 41  | 60/52/33          | 5.3/5.0/3.6  | 2.44       | 2.57       | 165x150x140       |
| LRP25-50/180   | 220-240/50Hz              | 75       | 66  | 43  | 63/53/35          | 5.2/4.9/3.2  | 2.55       | 2.71       | 195x150x140       |
| LRP32-50/180   | 220-240/50Hz              | 73       | 65  | 42  | 63/54/35          | 5.2/4.9/3.7  | 2.73       | 2.89       | 195x150x140       |
| LRP15-60/130   | 220-240/50Hz              | 85       | 71  | 44  | 48/42/28          | 6.0/5.8/4.2  | 2.32       | 2.45       | 165x150x140       |
| LRP15-60B/130  | 220-240/50Hz              | 85       | 71  | 44  | 48/42/28          | 6.0/5.8/4.2  | 2.41       | 2.54       | 165x150x140       |
| LRP20-60/130   | 220-240/50Hz              | 96       | 69  | 45  | 53/37/25          | 5.5/4.5/2.8  | 2.37       | 2.5        | 165x150x140       |
| LRP25-60/130   | 220-240/50Hz              | 83       | 70  | 43  | 58/43/28          | 5.5/4.5/2.8  | 2.44       | 2.57       | 165x150x140       |
| LRP25-60/180   | 220-240/50Hz              | 83       | 69  | 44  | 68/60/35          | 6.1/5.8/4.5  | 2.55       | 2.71       | 195x150x140       |
| LRP32-60/180   | 220-240/50Hz              | 85       | 77  | 44  | 66/58/38          | 5.9/5.5/4.1  | 2.73       | 2.89       | 195x150x140       |
| LRP25-70/130   | 220-240/50Hz              | 150      | 130 | 105 | 67/50/37          | 6.3/6.0/5.2  | 2.45       | 2.61       | 165x150x140       |
| LRP25-70/180   | 220-240/50Hz              | 150      | 130 | 105 | 67/50/37          | 6.3/6.0/5.2  | 2.57       | 2.73       | 195x150x140       |
| LRP32-70/180   | 220-240/50Hz              | 150      | 130 | 105 | 67/50/34          | 6.3/6.0/5.2  | 2.75       | 2.91       | 195x150x140       |
| LRP25-80/180   | 220-240/50Hz              | 200      | 190 | 160 | 120/100/60        | 7.1/6.5/5.5  | 4.23       | 4.57       | 196x196x160       |
| LRP32-80/180   | 220-240/50Hz              | 270      | 245 | 160 | 167/100/60        | 7.3/6.7/5.4  | 4.75       | 5.09       | 195x196x160       |
| LRP32-80F/220  | 220-240/50Hz              | 270      | 245 | 160 | 170/113/65        | 7.3/6.7/5.4  | 7.57       | 8          | 235x181x207       |
| LRP36-80F/200  | 220-240/50Hz              | 270      | 245 | 160 | 170/113/65        | 7.3/6.7/5.4  | 5.98       | 6.36       | 214x170x190       |
| LRP40-80F/250  | 220-240/50Hz              | 270      | 245 | 160 | 170/113/65        | 7.3/6.7/5.4  | 8.27       | 8.74       | 264x186x212       |
| LRP25-120/180  | 220-240/50Hz              | 268      | 249 | 163 | 81/47/30          | 12/11/8      | 4.62       | 4.96       | 196x196x160       |
| LRP25-120B/180 | 220-240/50Hz              | 268      | 249 | 163 | 81/47/30          | 12/11/8      | 4.92       | 5.26       | 196x196x160       |

Materials Table

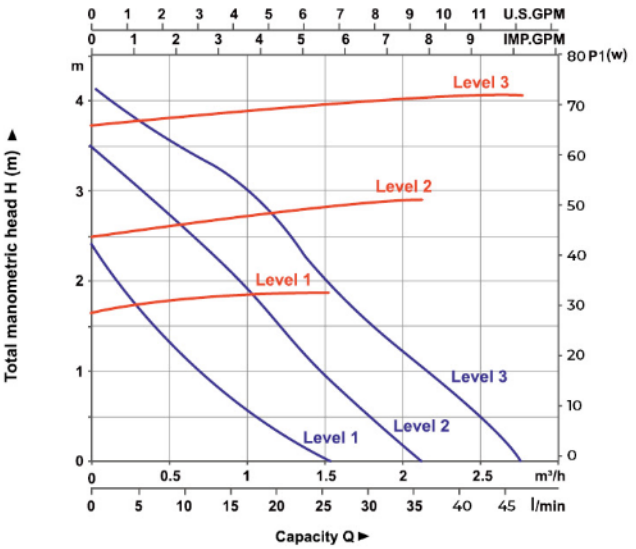
| No. | Part                         | Material        |
|-----|------------------------------|-----------------|
| 1   | Rotor                        |                 |
| 2   | Thrust bearing adjusting mat | Noryl           |
| 3   | Thrust ring support          | Sillicon rubber |
| 4   | Bushings                     | Graphite        |
| 5   | Front bearing                | Alumina         |
| 6   | Pump support cover           | Stainless steel |
| 7   | Check ball                   | Sillicon rubber |
| 8   | Locking                      | Stainless steel |
| 9   | Impeller                     | PPO             |
| 10  | Pump body                    | Cast iron/Brass |
| 11  | Pump body insert             | Stainless steel |
| 12  | Back bearing                 | Alumina         |
| 13  | Can brg asm                  | Stainless steel |
| 14  | Can brg asm seal             | Silicon rubber  |
| 15  | Stator cover(front)          | PA66            |
| 16  | Stator                       |                 |
| 17  | Stator cover(back)           | PA66            |
| 18  | Housing                      | ADC12           |
| 19  | Drain plug                   | Copper          |
| 20  | Speed regulation board       |                 |
| 21  | Terminal cover               | ABS             |
| 22  | Terminal box                 | PC              |
| 23  | Capacitor                    |                 |



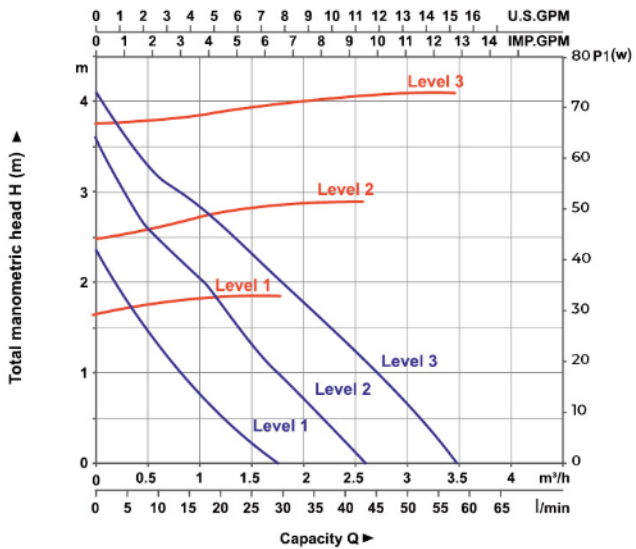
Hydraulic Performance Curves



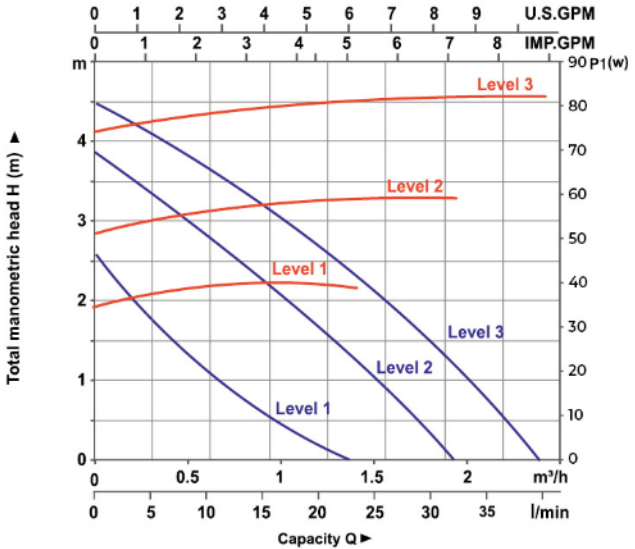
LRP15-40B/130  
LRP15-40/130  
— Q-H  
— Q-P



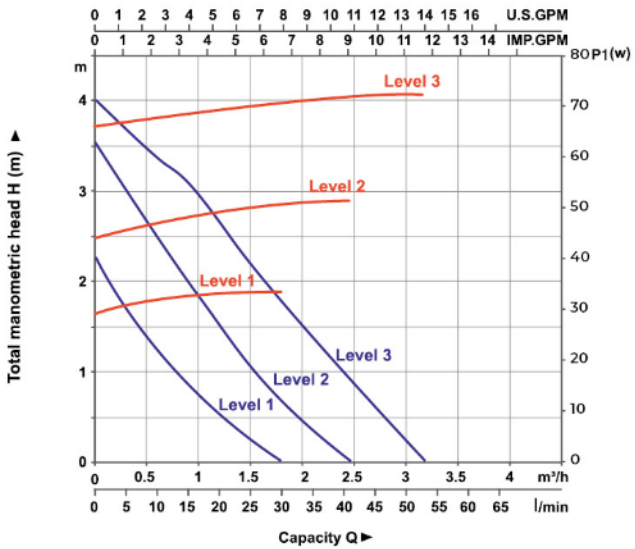
LRP20-40/130  
— Q-H  
— Q-P



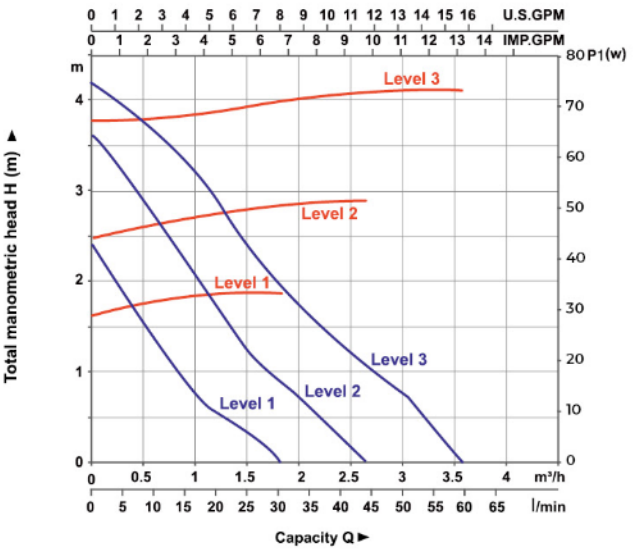
LRP32-40/180  
— Q-H  
— Q-P



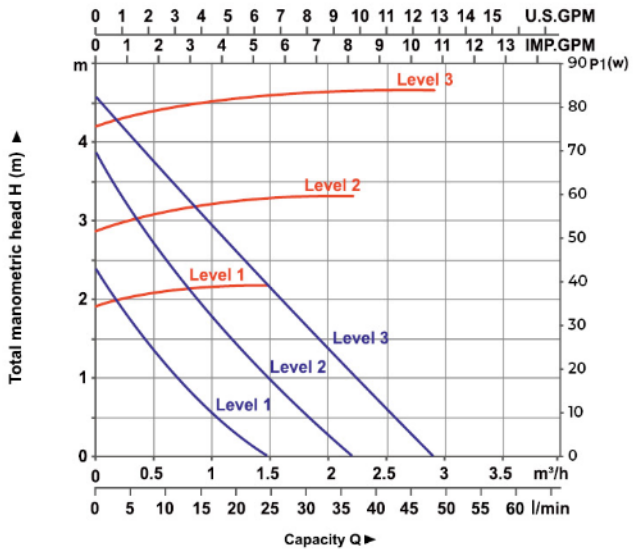
LRP15-50B/130  
LRP15-50/130  
— Q-H  
— Q-P



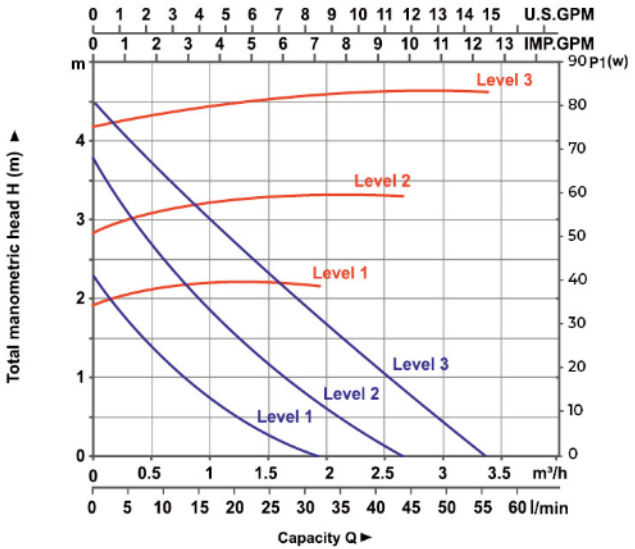
LRP25-40/130  
— Q-H  
— Q-P



LRP20-40/180  
— Q-H  
— Q-P

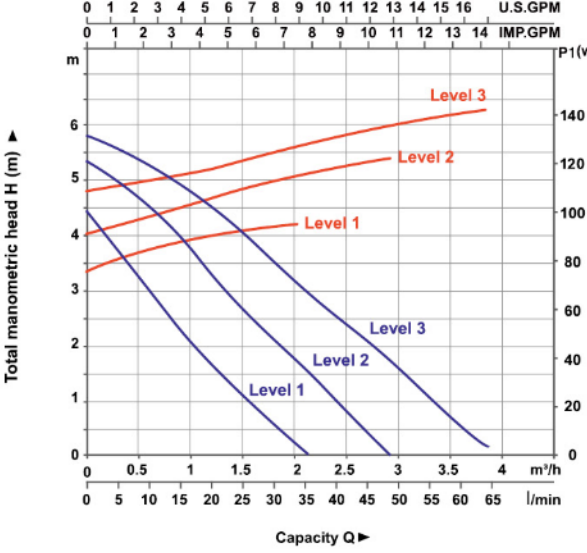
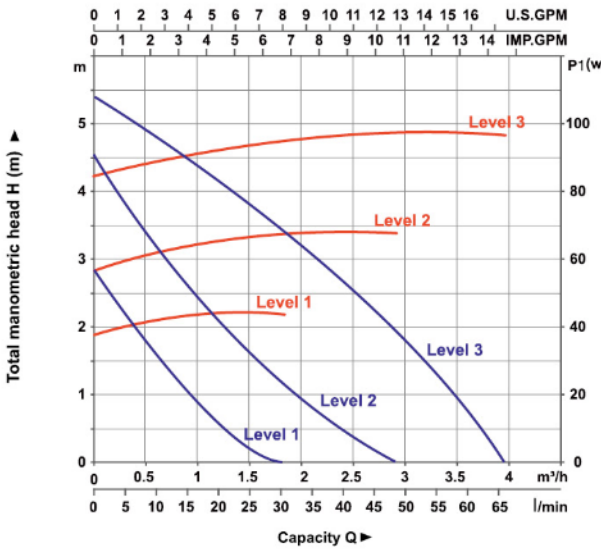
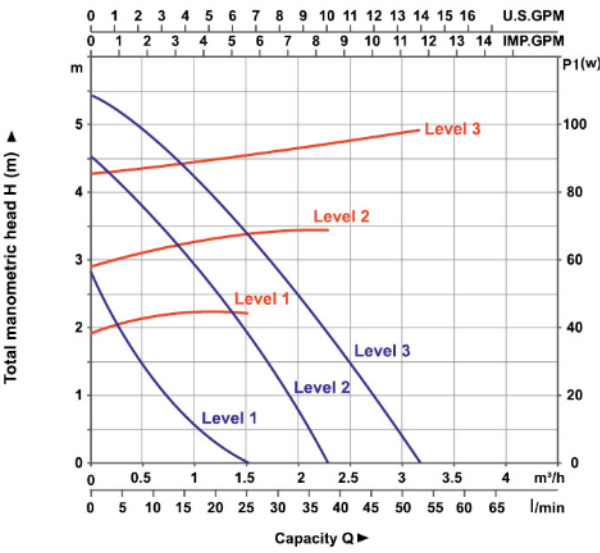
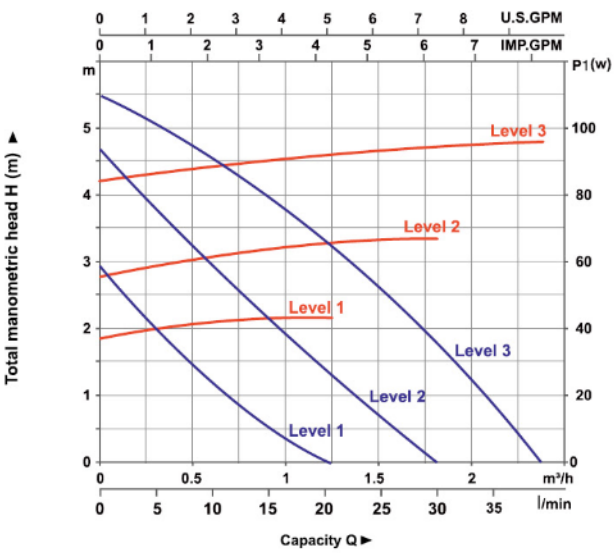
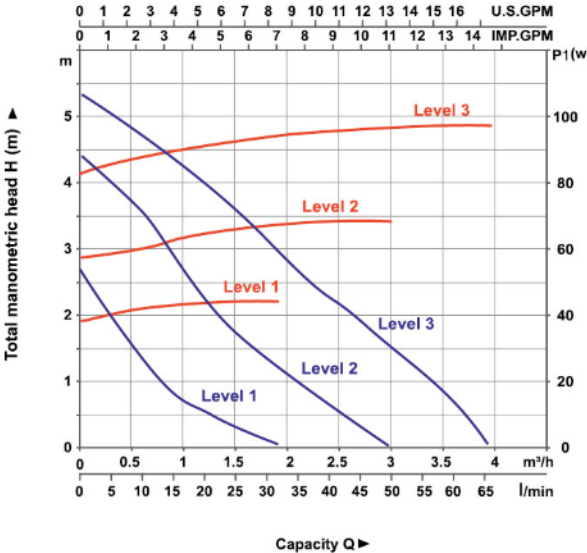
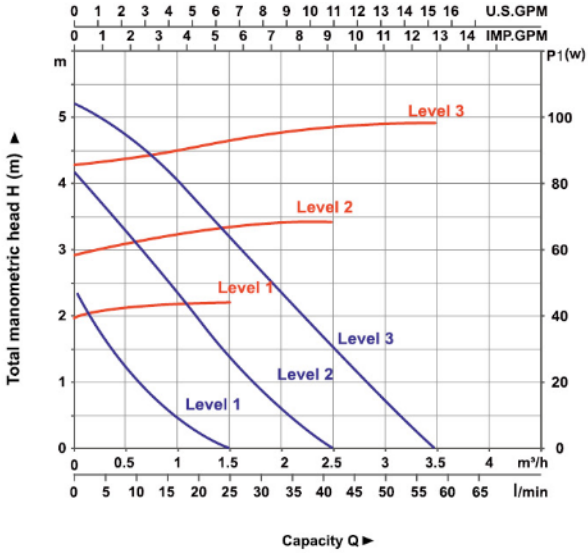
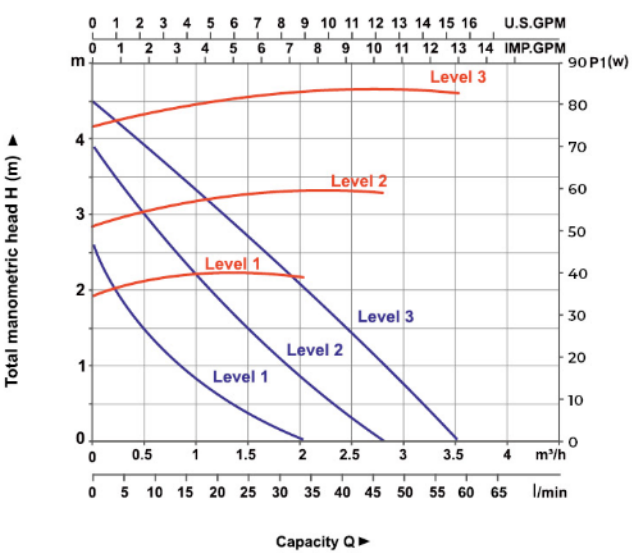
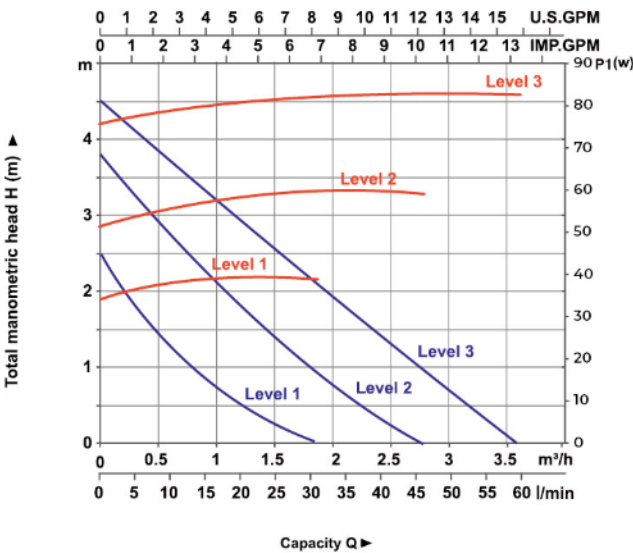


LRP20-50/130  
— Q-H  
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LRP25-50/130  
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Hydraulic Performance Curves



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