



50/60HZ

▲ Operating Conditions

1. Ambient temperature: +2~+50° C.
2. Liquid temperature: +2~+50° C.
3. Relative humidity: Max. 85%(RH).
4. Clean water or other clean non-corrosive liquids without abrasives.
5. Before using the pump, be sure the inlet pressure setting is lower than factory preset activation pressure.

| Model | HP | Activation Pressure |
|--------|-----|---------------------|
| AEV200 | 1/4 | 1.2 bar |
| AEV400 | 1/2 | 1.6 bar |
| AEV800 | 1 | 2.0 bar |

▲ Applications

1. Water supply and pressure boosting in residential and commercial applications.
2. Water pressure boosting for barber shop, restaurant, sprinkler systems, washing machine, residence, villa.

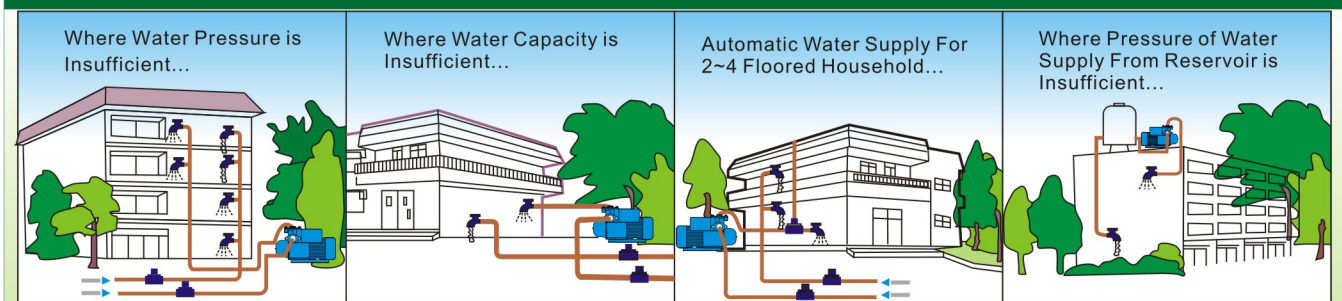
▲ Features

1. The AEV is a complete, all-in-one unit, consisted of pump, motor, pressure tank, and CPU controller.
2. The pump is constructed from top quality and corrosion resistant materials for clean and safe using water.
3. When water outage occurs, the pump will auto shut off in 30 seconds. CPU will auto sense the pump water status and restart the pump in 30 minutes until normal water returns.
4. Quiet operation without noise.
5. Always keep stable water pressure while using water or hot water shower.

▲ Motor Spec.

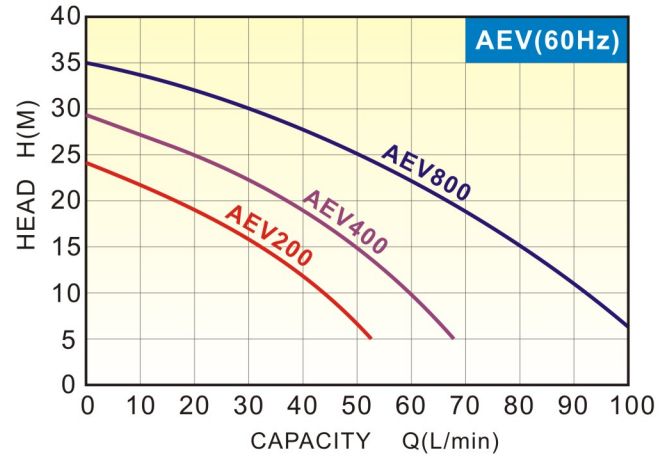
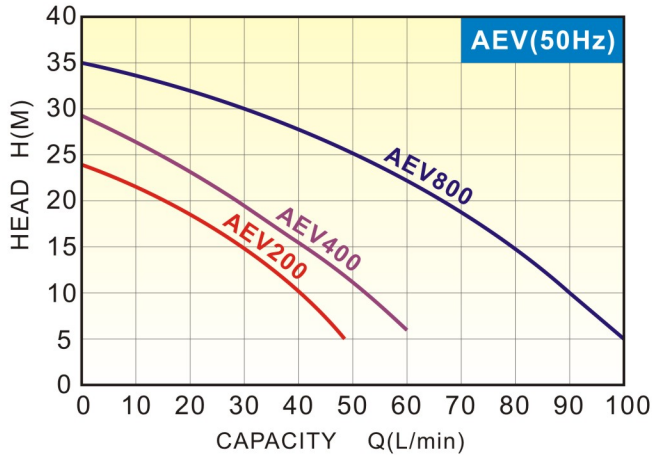
1. Voltage: Single phase only
2. Frequency: 50HZ or 60HZ
3. Enclosed class: IP55
4. Insulation: B
5. Enclosed Fan cooled, 2 Pole motor.
6. Built in motor overload protector

AEV pump applications



▲ Performance Curves

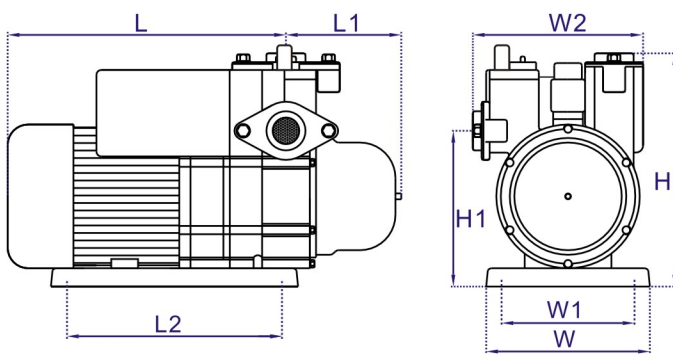
50/60HZ



▲ Specification

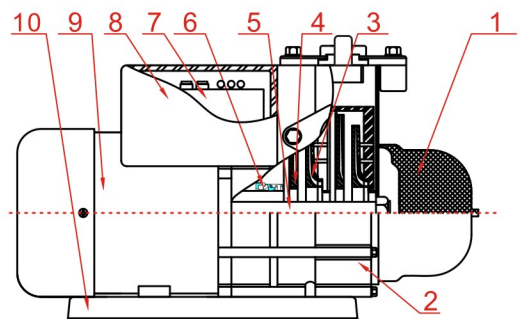
| Model | Cycle | Power | PH | Voltage | Inlet | Outlet | Pressure | | Max.H | Max.Q |  | N.Weight | |
|--------|-------|-------|-----|---------|---------|--------|----------|---------|----------|-------|---|----------|------|
| | HZ | HP | W | ∅ | V | Inch | Inch | On(Bar) | Off(Bar) | M | | L/min | Kg |
| AEV200 | 50 | 1/4 | 180 | 1 | 220;240 | 3/4" | 3/4" | 1.2 | 2.4 | 24 | 48 | 1~2 | 7.1 |
| | 60 | 1/4 | 180 | 1 | 110;220 | 3/4" | 3/4" | 1.2 | 2.4 | 24 | 55 | 1~2 | 7.1 |
| AEV400 | 50 | 1/2 | 370 | 1 | 220;240 | 1" | 1" | 1.6 | 2.7 | 27 | 60 | 2~3 | 9.2 |
| | 60 | 1/2 | 370 | 1 | 110;220 | 1" | 1" | 1.6 | 2.7 | 27 | 70 | 2~3 | 8.1 |
| AEV800 | 50 | 1 | 750 | 1 | 220;240 | 1" | 1" | 2.0 | 3.5 | 35 | 100 | 3~5 | 12.3 |
| | 60 | 1 | 750 | 1 | 110;220 | 1" | 1" | 2.0 | 3.5 | 35 | 110 | 3~5 | 12.3 |

▲ Dimensions



| Model | Cycle HZ | Dimensions (mm) | | | | | | | |
|--------|----------|-----------------|-----|-----|-----|-----|-----|-----|-----|
| | | L | L1 | L2 | H | H1 | W | W1 | W2 |
| AEV200 | 50 | 245 | 125 | 175 | 220 | 145 | 160 | 130 | 177 |
| | 60 | 245 | 125 | 175 | 220 | 145 | 160 | 130 | 177 |
| AEV400 | 50 | 260 | 125 | 175 | 220 | 145 | 160 | 130 | 177 |
| | 60 | 275 | 125 | 175 | 220 | 145 | 160 | 130 | 177 |
| AEV800 | 50 | 275 | 155 | 175 | 260 | 165 | 160 | 130 | 208 |
| | 60 | 275 | 155 | 175 | 260 | 165 | 160 | 130 | 208 |

▲ Parts & Materials



| No. | Part Name | Material |
|-----|-----------------|------------------------|
| 1 | Pressure Tank | SUS304 |
| 2 | Pump Casing | NY66+30%FB |
| 3 | Impeller | PC or SUS304 |
| 4 | Guide Impeller | PC |
| 5 | Shaft | SUS410 |
| 6 | Mechanical Seal | CA/CE/NBR |
| 7 | CPU controller | ----- |
| 8 | Control Box | ABS |
| 9 | Motor Shell | Iron or Aluminum alloy |
| 10 | Bottom Base | ABS |