



# HH / HW / HWS / HHS

Hot Water Circulator Pump  
Booster Pump Of Water Heater

**50/60Hz**







## HH

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## HW

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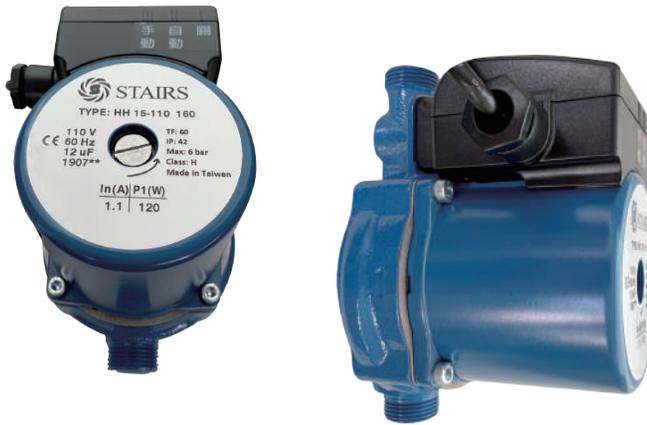
## HH / HW / HWS / HHS Hot Water Circulator Pump

Hot water pumps constitute a complete range of 3-speed circulator pumps, available both in 50&60 Hz.

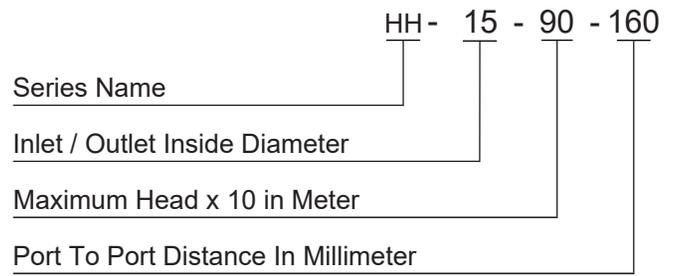
The pumps can be used in both open and closed systems.

HH & HW pumps are of the canned -motor type, i.e. pump and motor form an integral unit without a shaft seal and with only two ceramic bearing for sealing.

The bearings are lubricated by the pumped liquid.



### Model Code



### Applications

Hot water circulator pumps are designed for circulation of liquids in heating and air-conditioning systems. Examples of typical applications are:

- One- and two-pipe heating systems
- Main pumps
- Zone pumps
- Boiler shunt pumps
- Pumps for heating surfaces
- Calorifiers
- Underfloor heating systems
- Solar heating systems
- Heat pump systems
- Geothermal heating systems
- Heat recovery systems
- Two-pipe air-conditioning systems
- Pumps for refrigeration units

### Features And Benefits

- Low noise
- Low energy
- Available with corrosion-resistant stainless steel pump casing
- High volume of water
- Easy to installation
- Include cable and plug

### Accessories

Standard



Filter x 1 + Union x 1  
(3/4" to 1/2")

Optional

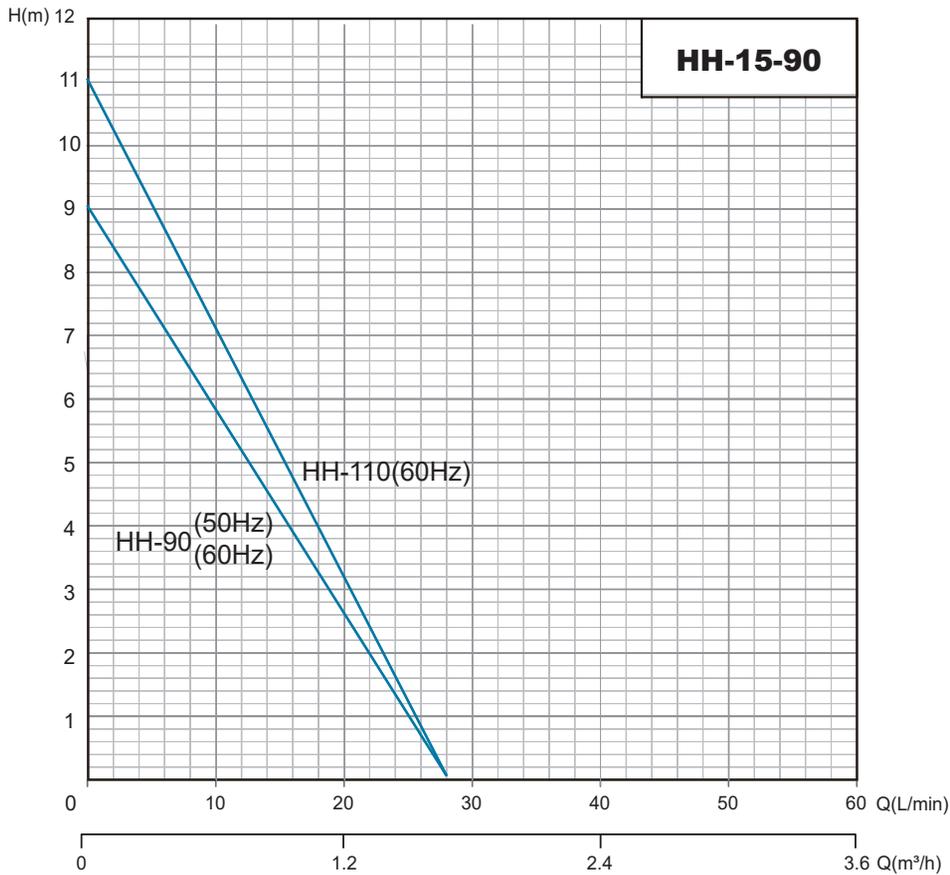


L shape fixtur



Plastic base

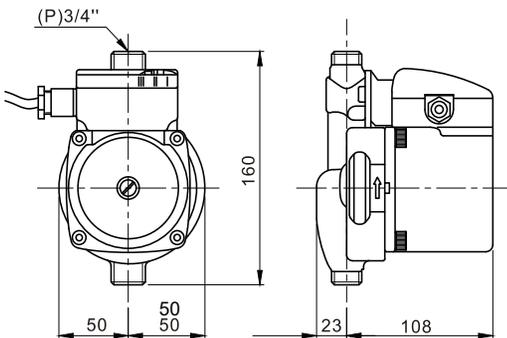
### Performance Curves



### Specifications

Model	Hz	Phase	Voltage ( V )	Power ( W )	Head ( m )	Flow ( L/min )	Current ( A )	input/output
HH-25-40-130	50	1Φ	220 - 240V	110	9	1.5	0.5	3/4" / 1/2"
HH-15-90-160	60	1Φ	110V	110	9	1.5	1.0	3/4" / 1/2"
HH-15-90-160	60	1Φ	220V	110	9	1.5	0.5	3/4" / 1/2"
HH-15-110-160	60	1Φ	110V	120	11	1.5	0.5	3/4" / 1/2"
HH-15-110-160	60	1Φ	220V	120	11	1.5	1.05	3/4" / 1/2"

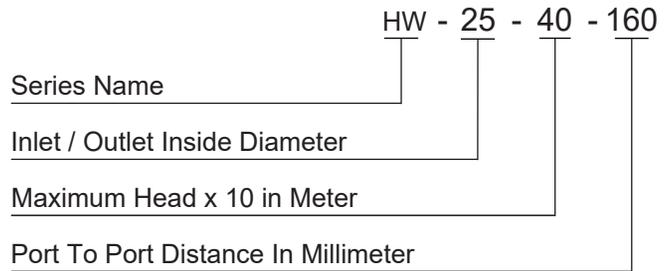
### Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet Dimension L x W x H (cm)	Weight (kg)
HH-25-40-130	6	60	110 x 115 x 193	2.5
HH-15-90-160	6	60	110 x 115 x 193	2.5
HH-15-90-160	6	60	110 x 115 x 193	2.5
HH-15-110-160	6	60	110 x 115 x 193	2.5
HH-15-110-160	6	60	110 x 115 x 193	2.5



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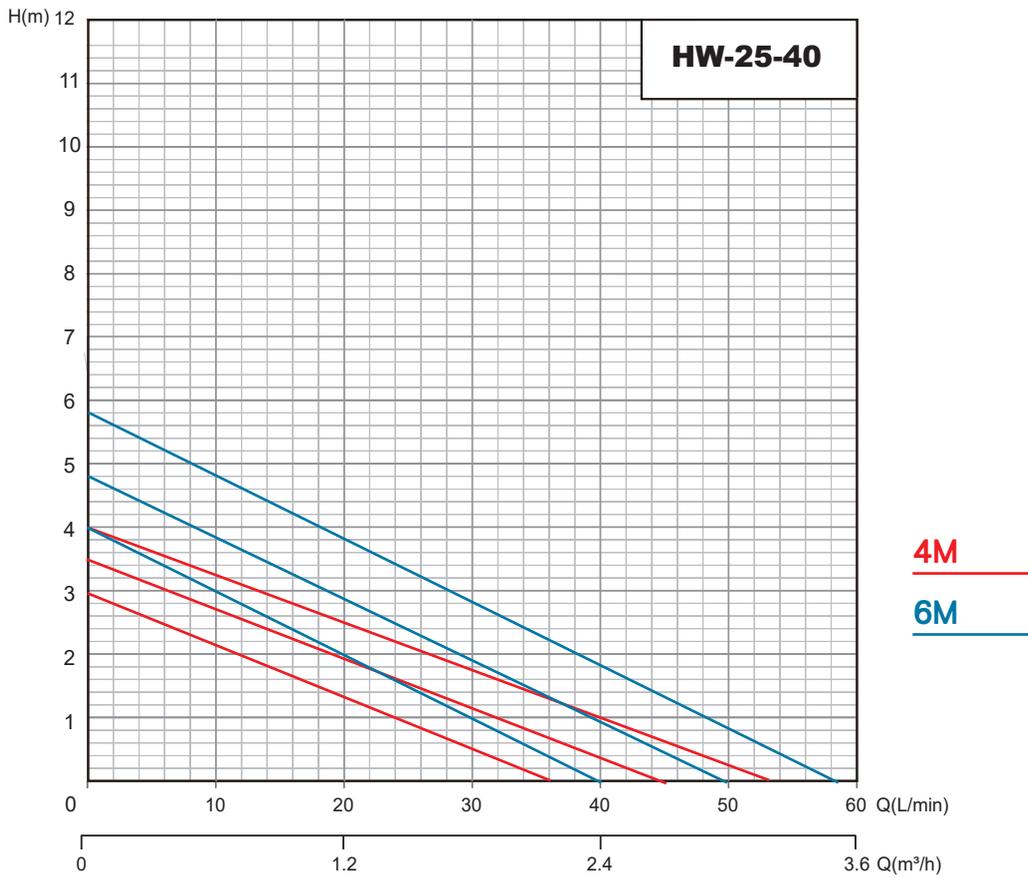
### Accessories

Optional



Union     1-1/2" to 3/4"  
              or  
              1-1/2" to 1"

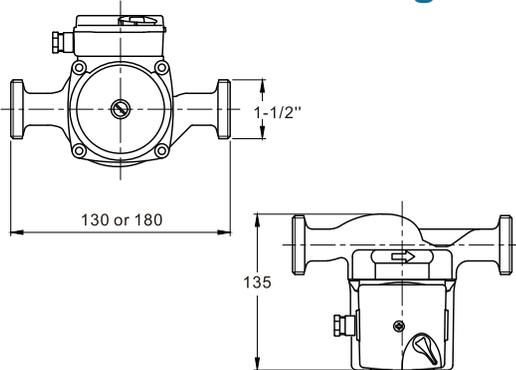
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### Specifications

Model	Hz	Phase	Voltage ( V )	Power ( W )	Head ( m )	Flow ( L/min )	Current ( A )	input/output
HW-25-40-130	50	1Φ	220 - 340V	62.4 / 53.7 / 43.7	4	3.2	0.27	1-1/2"
HW-25-40-180	50	1Φ	220 - 340V	62.4 / 53.7 / 43.7	4	3.2	0.27	1-1/2"
HW-25-60-130	50	1Φ	220 - 340V	73.5 / 59.7 / 46.6	6	3.5	0.27	1-1/2"
HW-25-60-180	50	1Φ	220 - 340V	73.5 / 59.7 / 46.6	6	3.5	0.27	1-1/2"
HW-25-60-130	60	1Φ	220V	80.0 / 65.0 / 50.0	6	3.2	0.37	1-1/2"
HW-25-60-180	60	1Φ	220V	80.0 / 65.0 / 50.0	6	3.2	0.37	1-1/2"
HW-25-60-130	60	1Φ	110V	80.0 / 65.0 / 50.0	6	3.5	0.73	1-1/2"
HW-25-60-180	60	1Φ	110V	80.0 / 65.0 / 50.0	6	3.5	0.73	1-1/2"

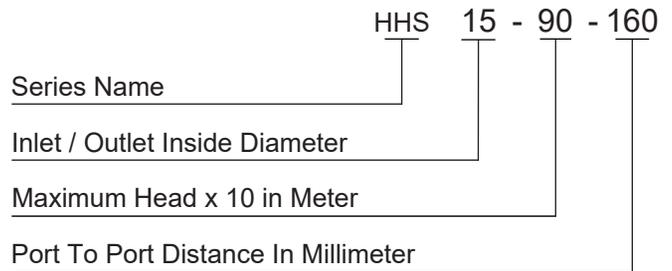
### Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet Dimension L x W x H (cm)	Weight (kg)
HW-25-40-130	6	60	110 x 115 x 193	2.3
HW-25-40-180	6	60	110 x 115 x 193	2.6
HW-25-60-130	6	60	110 x 115 x 193	2.3
HW-25-60-180	6	60	110 x 115 x 193	2.6
HW-25-60-130	6	60	110 x 115 x 193	2.3
HW-25-60-180	6	60	110 x 115 x 193	2.6
HW-25-60-130	6	60	110 x 115 x 193	2.3
HW-25-60-180	6	60	110 x 115 x 193	2.6



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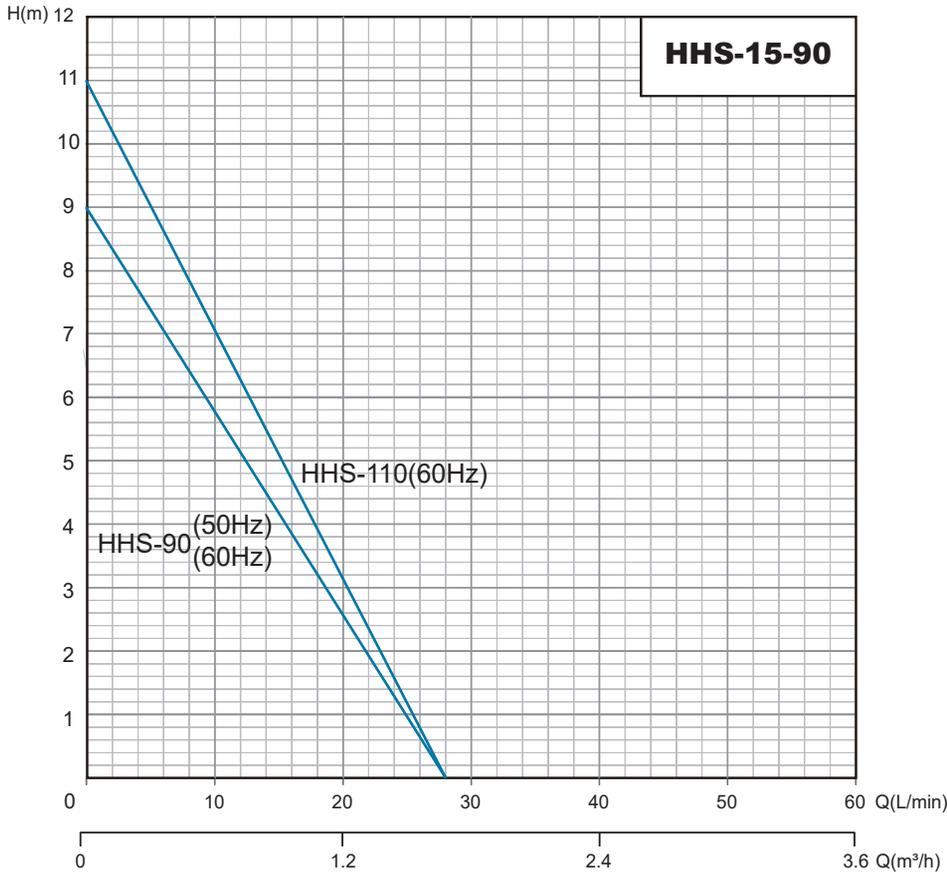


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Plastic base

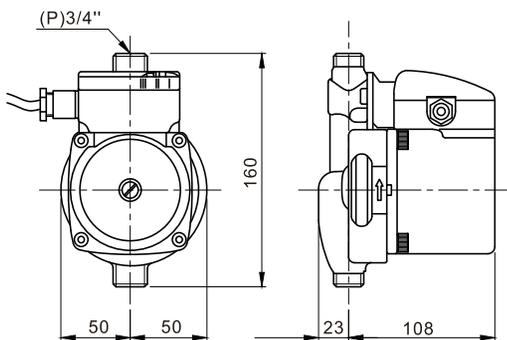
### Performance Curves



### Specifications

Model	Hz	Phase	Voltage ( V )	Power ( W )	Head ( m )	Flow ( L/min )	Current ( A )	input/output
HHS-25-40-130	50	1Φ	220 - 240V	110	9	1.5	0.5	3/4" / 1/2"
HHS-15-90-160	60	1Φ	110V	110	9	1.5	1.0	3/4" / 1/2"
HHS-15-90-160	60	1Φ	220V	110	9	1.5	0.5	3/4" / 1/2"
HHS-15-110-160	60	1Φ	110V	120	11	1.5	0.5	3/4" / 1/2"
HHS-15-110-160	60	1Φ	220V	120	11	1.5	1.05	3/4" / 1/2"

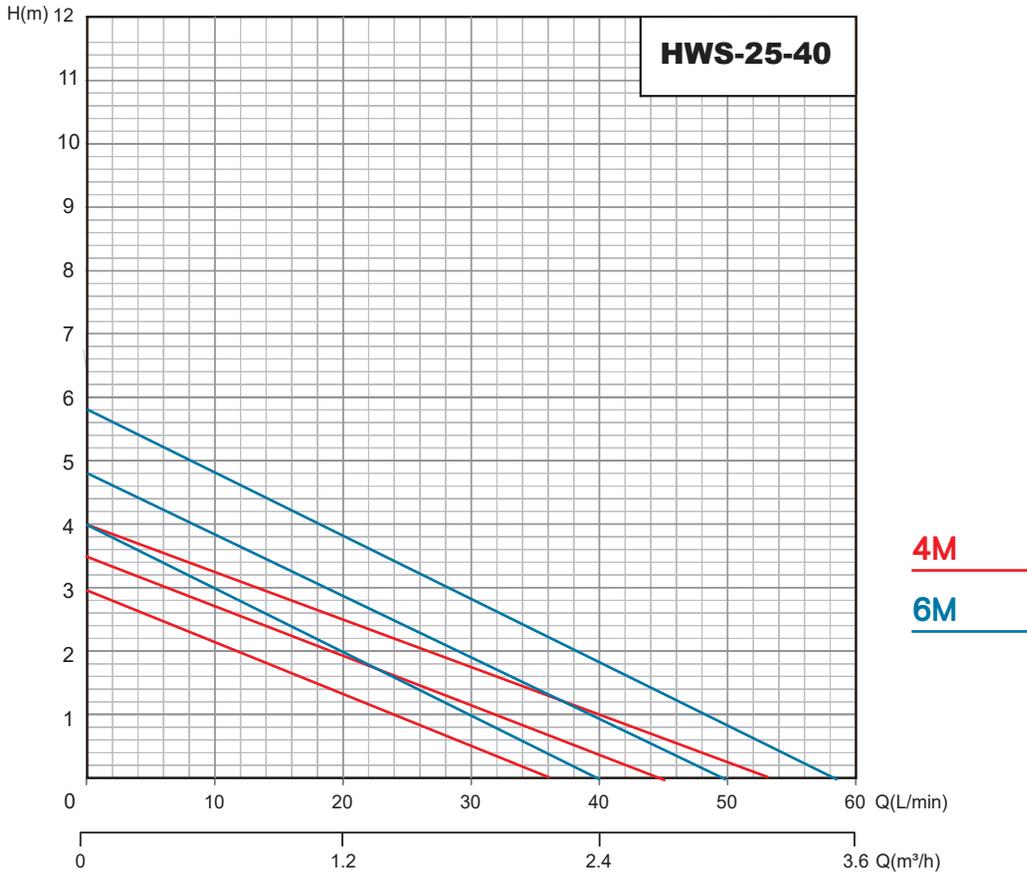
### Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet Dimension L x W x H (cm)	Weight (kg)
HHS-25-40-130	6	60	110 x 115 x 193	2.5
HHS-15-90-160	6	60	110 x 115 x 193	2.5
HHS-15-90-160	6	60	110 x 115 x 193	2.5
HHS-15-110-160	6	60	110 x 115 x 193	2.5
HHS-15-110-160	6	60	110 x 115 x 193	2.5



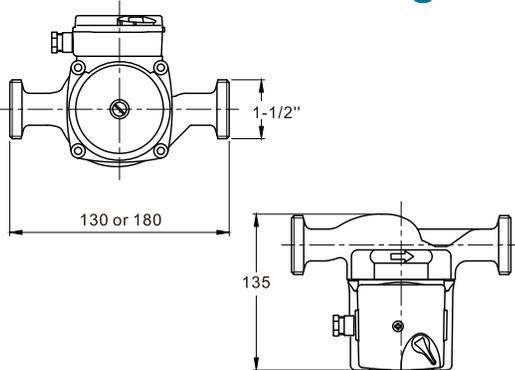
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HWS-25-60-130	50	1Φ	220 - 340V	73.5 / 59.7 / 46.6	6	3.5	0.27	1-1/2"
HWS-25-60-180	50	1Φ	220 - 340V	73.5 / 59.7 / 46.6	6	3.5	0.27	1-1/2"
HWS-25-60-130	60	1Φ	220V	80.0 / 65.0 / 50.0	6	3.2	0.37	1-1/2"
HWS-25-60-180	60	1Φ	220V	80.0 / 65.0 / 50.0	6	3.2	0.37	1-1/2"
HWS-25-60-130	60	1Φ	110V	80.0 / 65.0 / 50.0	6	3.5	0.73	1-1/2"
HWS-25-60-180	60	1Φ	110V	80.0 / 65.0 / 50.0	6	3.5	0.73	1-1/2"

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HWS-25-60-130	6	60	110 x 115 x 193	2.3
HWS-25-60-180	6	60	110 x 115 x 193	2.6
HWS-25-60-130	6	60	110 x 115 x 193	2.3
HWS-25-60-180	6	60	110 x 115 x 193	2.6



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