



HH/HW HHS/HWS

50/60Hz

Hot Water Circulator Pump
Booster Pump Of Water Heater



STAIRS INDUSTRIAL CO., LTD.



HH/HHS

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HW/HWS

General Data

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HH

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HW

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HWS

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HH / HW / HHS / HWS Hot Water Circulator Pump

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

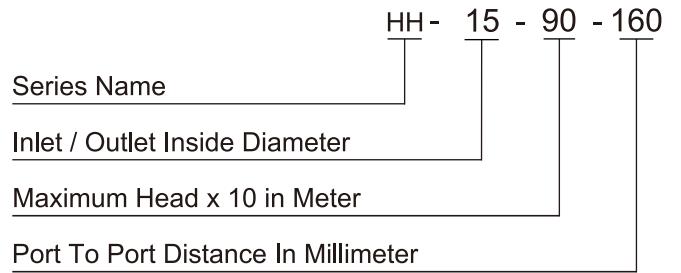
The pumps can be used in both open and closed systems.

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



HH:Cast iron
HHS:Stainless steel

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

TF: 60
IP: 42
Max: 6bar
Class: H

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

HH-Standard



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

HH-Optional



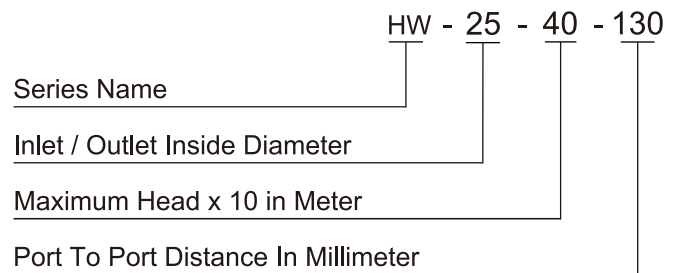
L shape fixtur



Plastic base



Model Code



HW:Cast iron
HWS:Stainless steel

Applications

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

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- 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

TF: 110
IP: 44
Max: 10bar
Class: H

Features And Benefits

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

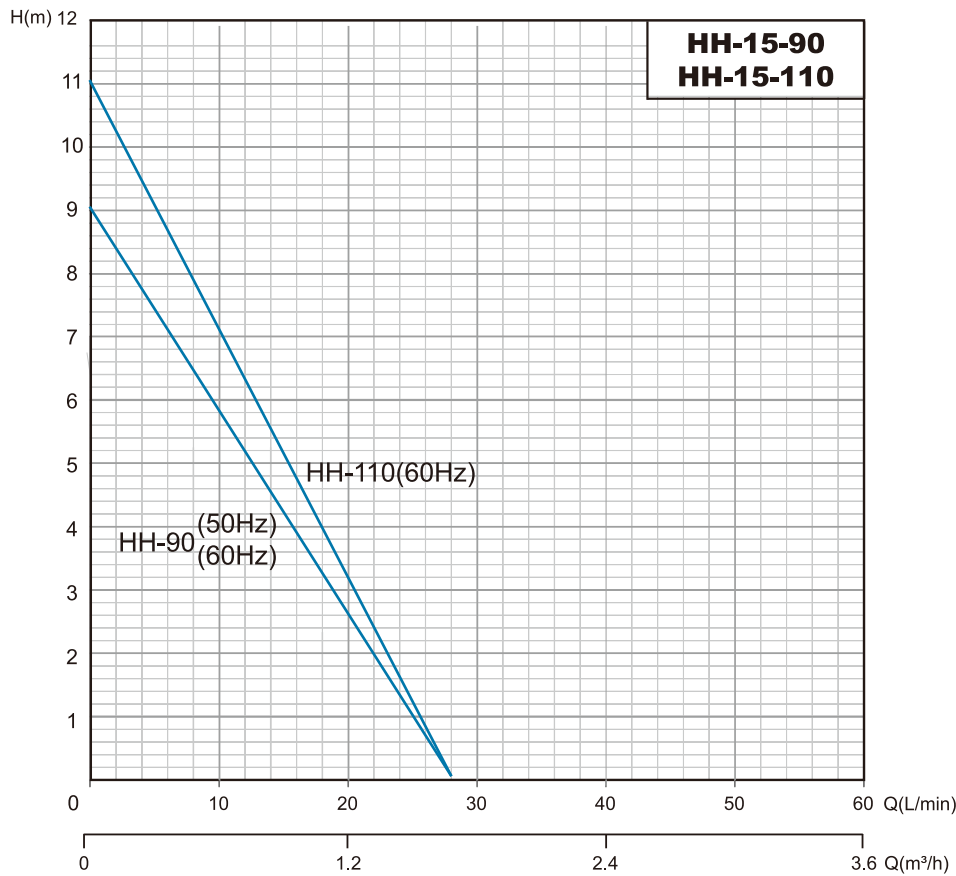
Accessories

Optional



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

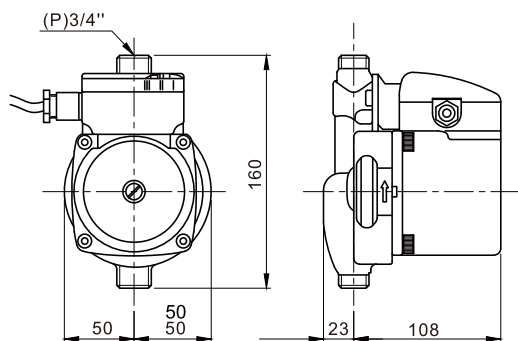
Performance Curves



Specifications

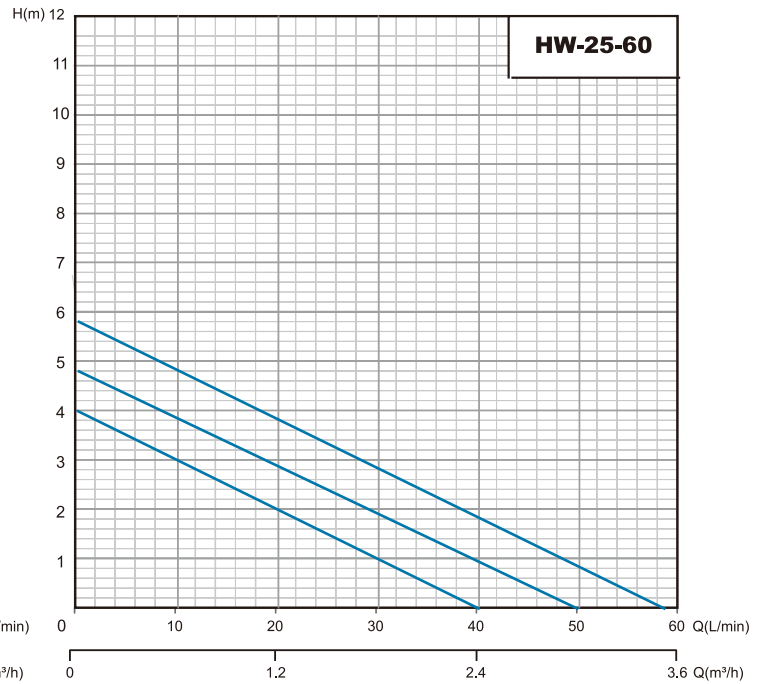
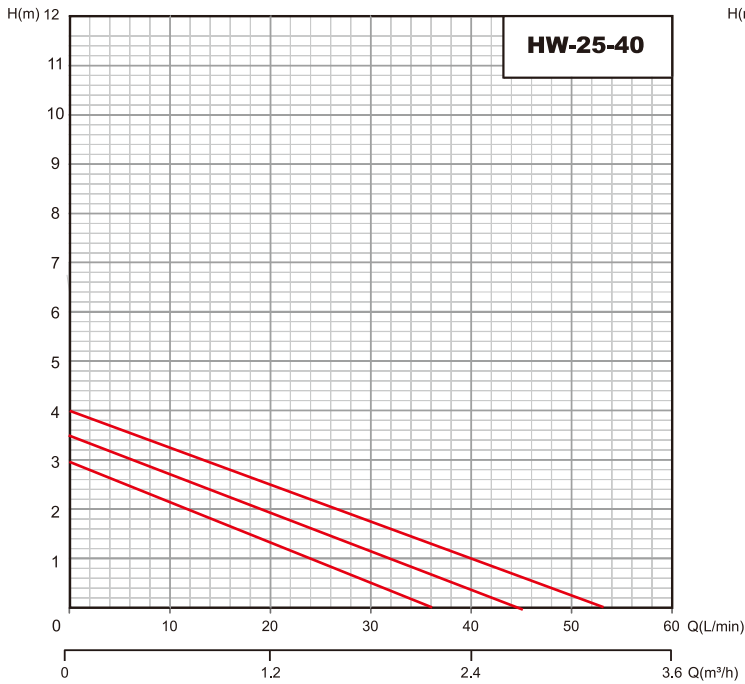
Model	Hz	Phase	Voltage (V)	Power (W)	MAX. Head(m)	MAX. Flow Q (m³/h)	Current (A)	input/output	Pipe connection Union
HH-15-90-160	50	1Φ	220 - 240V	110	9	1.5	0.48	3/4"	1/2
HH-15-90-160	60	1Φ	110V	110	9	1.5	1.0	3/4"	1/2
HH-15-90-160	60	1Φ	220V-240V	110	9	1.5	0.48	3/4"	1/2
HH-15-110-160	60	1Φ	110V	120	11	1.5	1.1	3/4"	1/2
HH-15-110-160	60	1Φ	220V-240V	120	11	1.5	0.56	3/4"	1/2

Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet Dimension L x W x H (cm)	Weight (kg)
HH-15-90-160	6	45	90 x 100 x 148	2.77
HH-15-90-160	6	45	90 x 100 x 148	2.76
HH-15-90-160	6	45	90 x 100 x 148	2.76
HH-15-110-160	6	45	90 x 100 x 148	2.77
HH-15-110-160	6	45	90 x 100 x 148	2.77

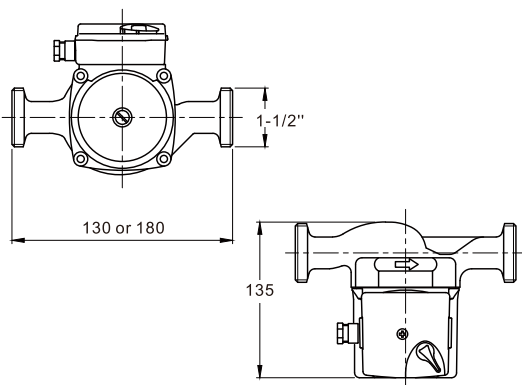
Performance Curves



Specifications

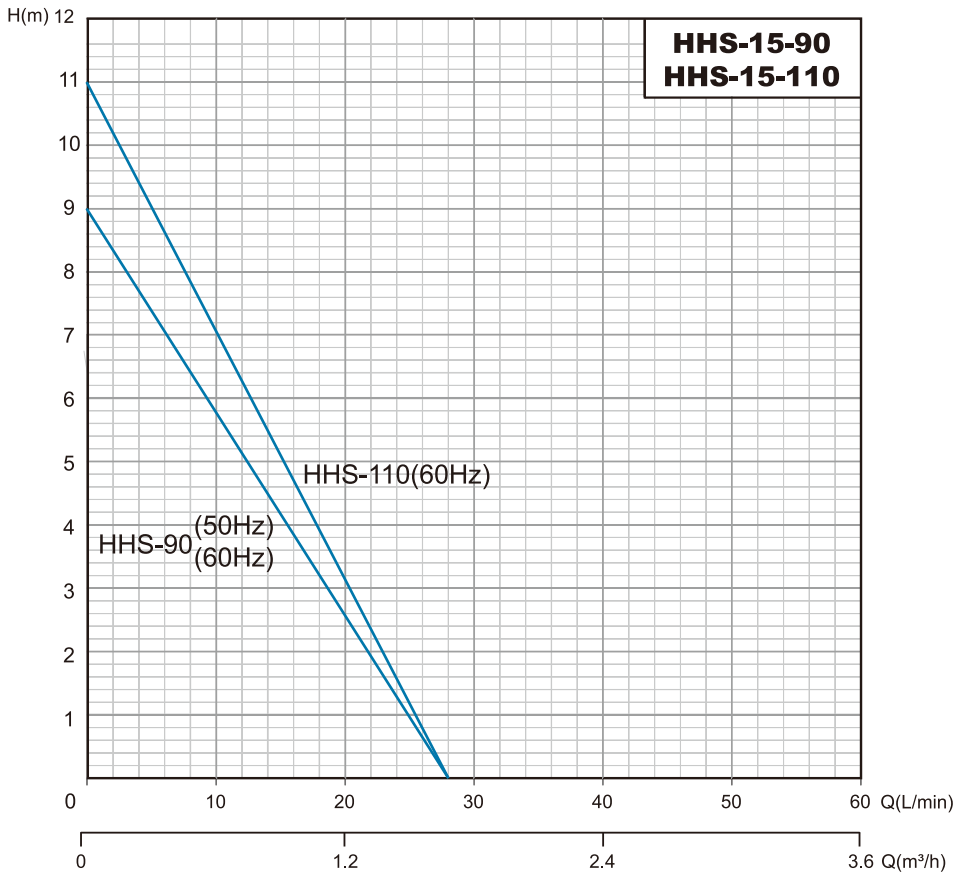
Model	Hz	Phase	Voltage (V)	Power(W) ≡ = -	MAX. Head(m)	MAX. FLOW (m³/h)	Current(A)			input/output
							≡	=	-	
HW-25-40-130	50	1Φ	220 - 240V	62 / 53 / 43	4	3.2	0.27/0.23/0.19		1-1/2"	
HW-25-40-180	50	1Φ	220 - 240V	62 / 53 / 43	4	3.2	0.27/0.23/0.19		1-1/2"	
HW-25-60-130	50	1Φ	220 - 240V	73 / 60 / 46	6	3.5	0.32/0.26/0.20		1-1/2"	
HW-25-60-180	50	1Φ	220 - 240V	73 / 60 / 46	6	3.5	0.32/0.26/0.20		1-1/2"	
HW-25-60-130	60	1Φ	220 - 240V	80 / 65 / 50	6	3.5	0.37/0.29/0.22		1-1/2"	
HW-25-60-180	60	1Φ	220 - 240V	80 / 65 / 50	6	3.5	0.37/0.29/0.22		1-1/2"	
HW-25-60-130	60	1Φ	110V	80 / 65 / 50	6	3.5	0.73/0.29/0.22		1-1/2"	
HW-25-60-180	60	1Φ	110V	80 / 65 / 50	6	3.5	0.73/0.29/0.22		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	45	110 x 115 x 148	2.45
HW-25-40-180	6	45	110 x 115 x 148	2.69
HW-25-60-130	6	45	110 x 115 x 148	2.45
HW-25-60-180	6	45	110 x 115 x 148	2.69
HW-25-60-130	6	45	110 x 115 x 148	2.45
HW-25-60-180	6	45	110 x 115 x 148	2.69
HW-25-60-130	6	45	110 x 115 x 148	2.45
HW-25-60-180	6	45	110 x 115 x 148	2.69

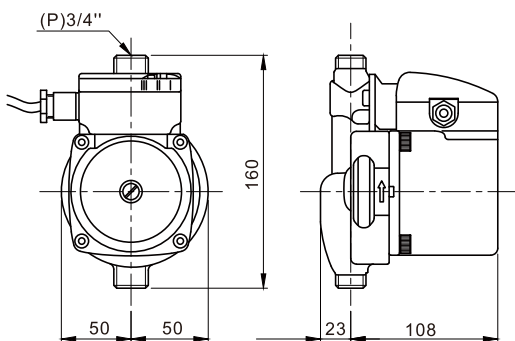
Performance Curves



Specifications

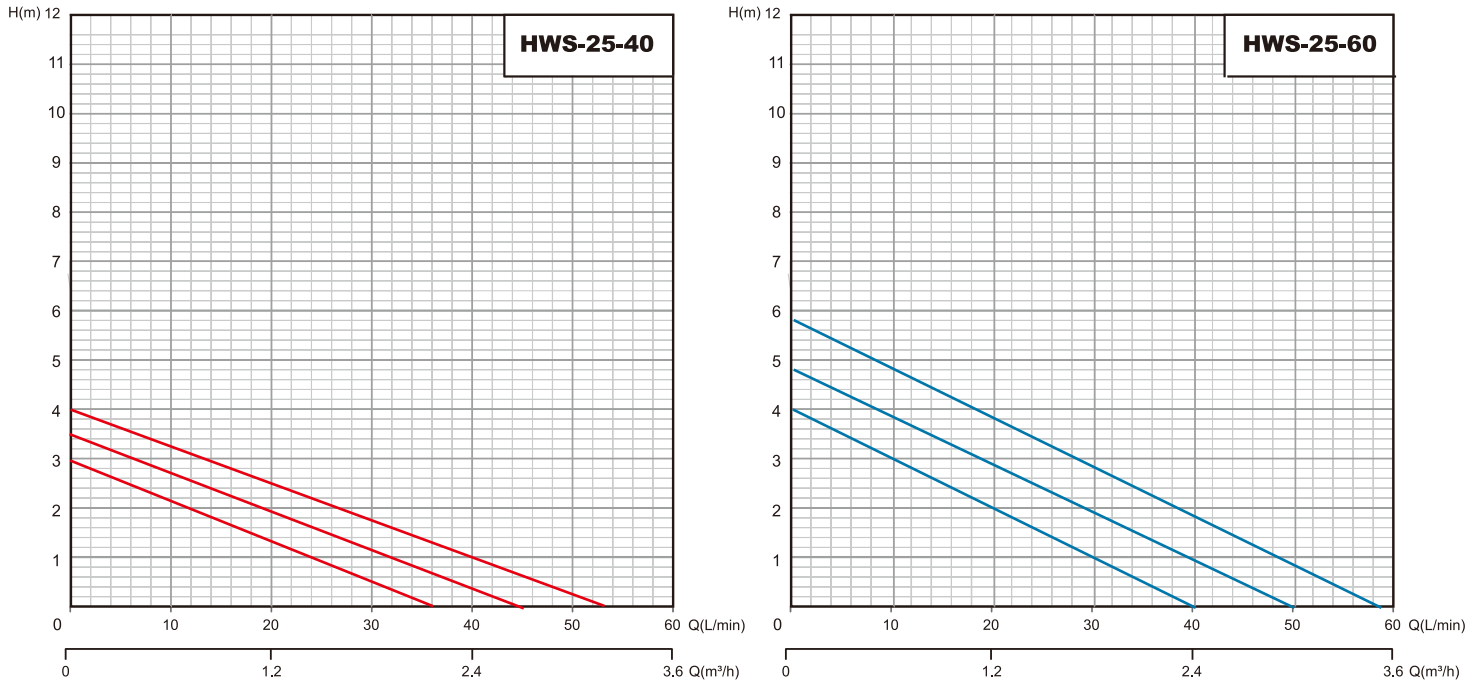
Model	Hz	Phase	Voltage (V)	Power (W)	MAX. Head(m)	MAX. Flow (m³/h)	Current (A)	input/output	Pipe connection Union
HHS-15-90-160	50	1Φ	220 - 240V	110	9	1.5	0.48	3/4"	1/2
HHS-15-90-160	60	1Φ	110V	110	9	1.5	1.0	3/4"	1/2
HHS-15-90-160	60	1Φ	220V-240V	110	9	1.5	0.48	3/4"	1/2
HHS-15-110-160	60	1Φ	110V	120	11	1.5	1.1	3/4"	1/2
HHS-15-110-160	60	1Φ	220V-240V	120	11	1.5	0.56	3/4"	1/2

Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet Dimension L x W x H (cm)	Weight (kg)
HHS-15-90-160	6	60	90 x 100 x 148	2.96
HHS-15-90-160	6	60	90 x 100 x 148	2.94
HHS-15-90-160	6	60	90 x 100 x 148	2.94
HHS-15-110-160	6	60	90 x 100 x 148	2.96
HHS-15-110-160	6	60	90 x 100 x 148	2.96

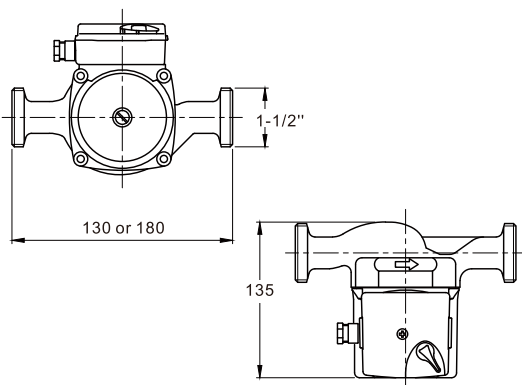
Performance Curves



Specifications

Model	Hz	Phase	Voltage (V)	Power(W) ≡ = —	MAX. Head(m)	MAX. FLOW (m ³ /h)	Current(A) ≡ = —	input/output
HWS-25-40-130	50	1Φ	220 - 240V	62 / 53 / 43	4	3.2	0.27/0.23/0.19	1-1/2"
HWS-25-40-180	50	1Φ	220 - 240V	62 / 53 / 43	4	3.2	0.27/0.23/0.19	1-1/2"
HWS-25-60-130	50	1Φ	220 - 240V	73 / 60 / 46	6	3.5	0.32/0.26/0.20	1-1/2"
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HWS-25-60-130	60	1Φ	220 - 240V	80 / 65 / 50	6	3.5	0.37/0.29/0.22	1-1/2"
HWS-25-60-180	60	1Φ	220 - 240V	80 / 65 / 50	6	3.5	0.37/0.29/0.22	1-1/2"
HWS-25-60-130	60	1Φ	110V	80 / 65 / 50	6	3.5	0.73/0.29.0.22	1-1/2"
HWS-25-60-180	60	1Φ	110V	80 / 65 / 50	6	3.5	0.73/0.29.0.22	1-1/2"

Dimensions and Weights



Model	Carton Perpallet	Pallet Size	Pallet dimension L x W x H (cm)	Weight (kg)
HWS-25-40-130	6	45	110 x 115 x 148	2.45
HWS-25-40-180	6	45	110 x 115 x 148	2.77
HWS-25-60-130	6	45	110 x 115 x 148	2.45
HWS-25-60-180	6	45	110 x 115 x 148	2.77
HWS-25-60-130	6	45	110 x 115 x 148	2.45
HWS-25-60-180	6	45	110 x 115 x 148	2.77
HWS-25-60-130	6	45	110 x 115 x 148	2.45
HWS-25-60-180	6	45	110 x 115 x 148	2.77



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