



CONDENSATE PUMP

www.chinafore.com | refcenter.eu | refcenter.us



ADDRESS

No.499 Hongcan Road, Hongken Xiaoshan District, Hangzhou, China



TELEPHONE

Contact: 0086-571-81603539
Whatsapp: 0086 15157112235
Wechat: chinafore | refcenter



WEBSITES

Website: www.chinafore.com | refcenter.eu | refcenter.us
Email: chinafore@chinafore.com

CHINAFORE



www.chinafore.com

Refcenter[®]



Refcenter[®]

CONTENTS

01	PUMP SELECTOR	01
02	CONDENSATE PUMP	03
●	TRANQUIL SERIES	03
●	MUTE SERIES	09
●	BOX SERIES	17
●	PC SERIES	25
●	TANK SERIES	27
03	FLOAT SWITCH	27
04	ABOUT US	31

Pump Selector

		System Type							Performance Data							Installation Method						
		Cassette	Ductless Mini Split	Ducted Unit	Cooler/Freezer	Humidifier	Dehumidifier	Boiler	Max Flow (L/H)	Max Head Lift (m)	Suction Lift (m)	Power(V)	Frequency(Hz)	Sound level @ 1m (dB)	Max. kW/Btu	Safety Shut-off	Inside Unit	Inside Trunking	Remotely	Below Unit		
Tranquil	Tranquil - S	•	•			•	•	•	40	20	2	100-240	50-60	<16-18	46/157000	Yes	✓					
	Tranquil - I		•						18	12				<17-19	16/54600							
	Tranquil - C		•								/			<17-19								
	Tranquil - X		•					•	40	20				<16	46/157000						✓	
	Tranquil - D	•	•			•	•							<19					✓			
	Tranquil - T	•	•	•	•	•	•	•	•	110 GPH				24 ft	<30		/					✓
Mute	Mute Box-40	•	•			•	•	•	40	20	2	100-240	50-60	<20	46/157000	Yes	✓					
	Mute Box-20	•	•			•	•	•	20					<18	28/95550							
	Mute Slim		•						15	12	<19											
	Mute Corner-40		•						40	20	/			<20	46/157000				✓			
	Mute Corner-20		•					20	<18					28/95550								
	Mute Wedge-40		•					•	40					<20	46/157000							✓
	Mute Wedge-20		•					•	20					<18	28/95550							
	Mute Tank	•	•	•	•	•	•	•	40					<19	46/157000							✓
Slim Box		•						15	12			2	115/230	50/60	<21		Yes	✓				
Easy Box		•												16/54600	No							
Box	Mini Box		•					10	15	/	100-240	50-60	<20	46/157000	Yes	✓						
	Maxi Box	•	•			•	•	•	40											<18	28/95550	
	Heart Box-40		•					•	20	20			<18	28/95550						✓		
	Heart Box-20		•					•	20	20			<20	46/157000								
	MPC-40		•	•				•	40	20			<18	28/95550						✓		
	MPC-20		•	•				•	20	20			<18	28/95550								
Tank	Tank-V	•	•	•	•	•	•	•	250-580 (65-150GPH)	4.6-7.3 (15ft - 24ft)	/	115/230	50/60	35-45	/	Yes	✓					
	Tank-L	•	•	•	•	•	•	•														
PC	PC-DC	•							70	1.2	/	12Vdc	/	<35								
	PC-AC40	•						40	0.95	115/230		50/60	<30	/	Yes/No	✓						
	PC-AC70	•						70	1.2	50/60		<35										

Tranquil-I

CONDENSATE PUMP

- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Slim design for easy installation
- Built-in operation tracking
- Ultra-quiet operation
- Up to 16 kw/54,600 Btu/h

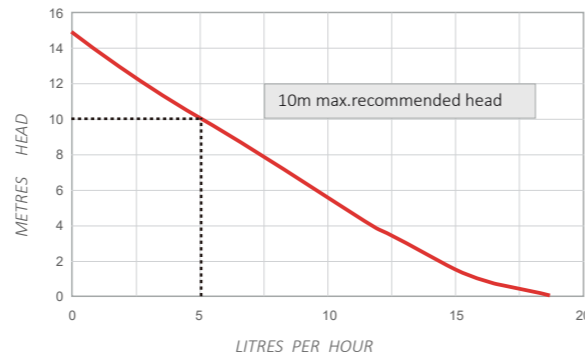


- Max. flow 18 L/h (4.8GPH)
- Sound level < 17-19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12 M (39.4ft)

The Tranquil-I features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

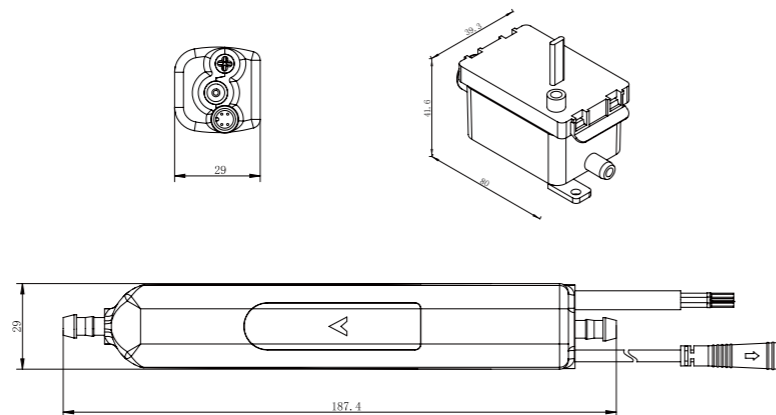
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18L/h (4.8GPH) , range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12 M (39.4ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 16 kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: Fully potted, IP-45
- LxWxH: 187mm x 29mm x 29mm



> IN THE BOX < DIMENSION <

- 1 Assembled Tranquil - I
- 2 Assembled inline resevoir
- 3 Plug connector
- 4 150cm length of 6mm I/D vinyl tube
- 5 Silicone tube 15cm
- 6 Power cable
- 7 1A fuse
- 8 Anti-siphon valve
- 9 Check valve
- 10 3M tape 2x50mmx20mmx1mm
- 11 3M tape 1x50mmx20mmx2.5mm
- 12 Nylon clamps 4x200mmx4mm



Tranquil-S

CONDENSATE PUMP

- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Powerful performance
- Built-in operation tracking
- Ultra-quiet operation
- Up to 46 kw / 157,000 Btu/h

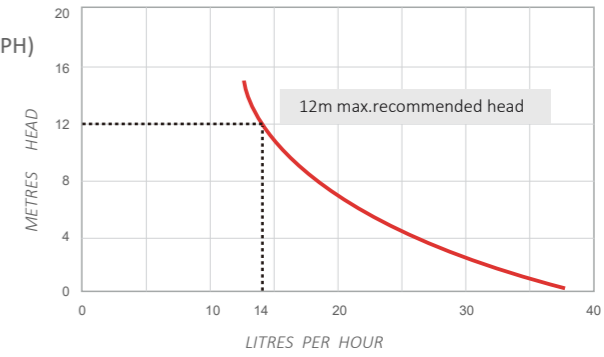


- Max. flow 40 L/h (10.6GPH)
- Sound level < 16-18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-S features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

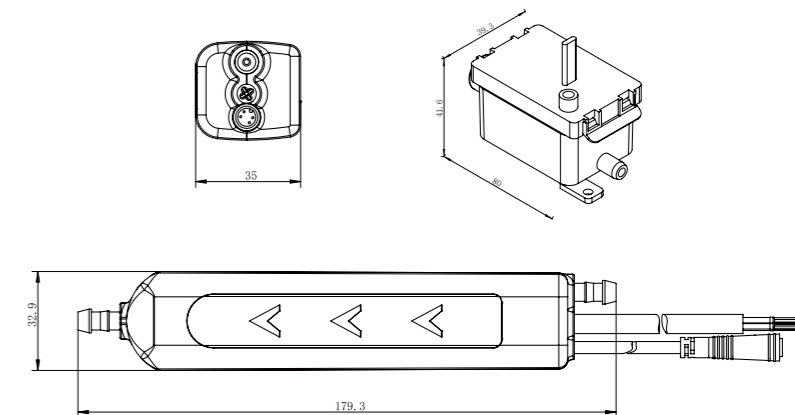
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40 L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 16-18dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: Fully potted, IP-45
- LxWxH: 185mm x 36mm x 34mm



> IN THE BOX < DIMENSION <

- 1 Assembled Tranquil-S
- 2 Assembled inline resevoir
- 3 Plug connerector
- 4 150cm length of 6mm I/D vinyl tube
- 5 Silicone tube 15cm
- 6 Power cable
- 7 1A fuse
- 8 Anti-siphon valve
- 9 Check valve
- 10 3M tape 2x50mmx20mmx1mm
- 11 3M tape 1x50mmx20mmx2.5mm
- 12 Nylon clamps 4x200mmx4mm



Tranquil-X



CONDENSATE PUMP

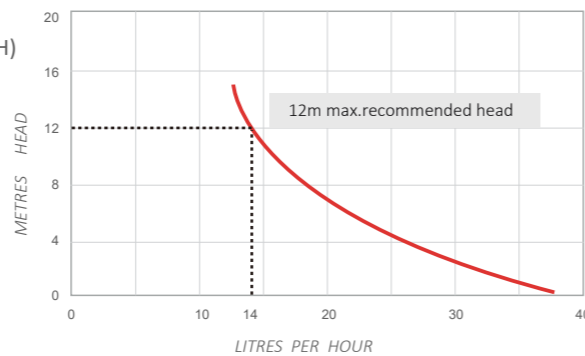
- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Quick and simple installation
- Built-in operation tracking
- Ultra-quiet operation
- Up to 46 kw / 157,000 Btu/h

- Max. flow 40 L/h (10.6GPH)
- Sound level < 16 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-x features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

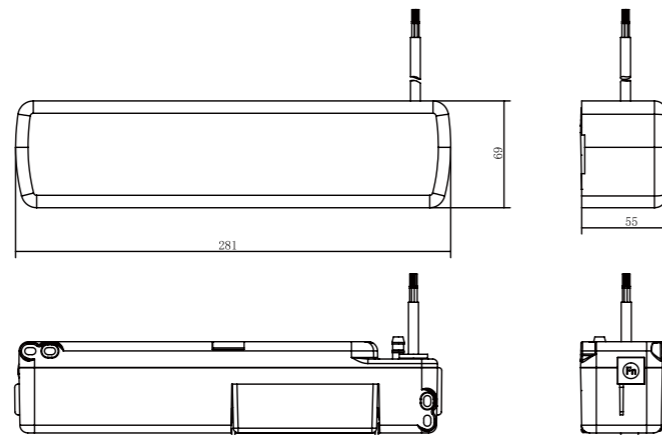
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 16dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: Fully potted, IP-45
- LxWxH: 281mm x 55mm x 69mm

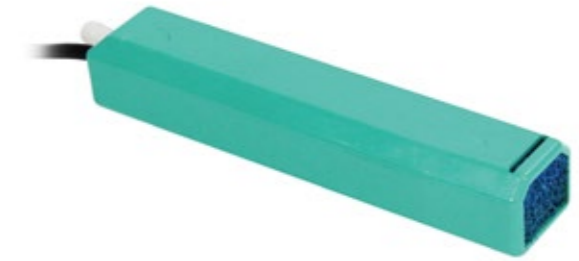


> IN THE BOX < DIMENSION <

- 1A fuse x 1
- Installation screw x 2
- Expansion plug x 2
- Level gauge x 1
- Connection clamp x 1
- Nylon clamps 200mmx4mm x 2
- Drilling schematic template x 1
- Anti-siphon valve x 1



Tranquil-D



CONDENSATE PUMP

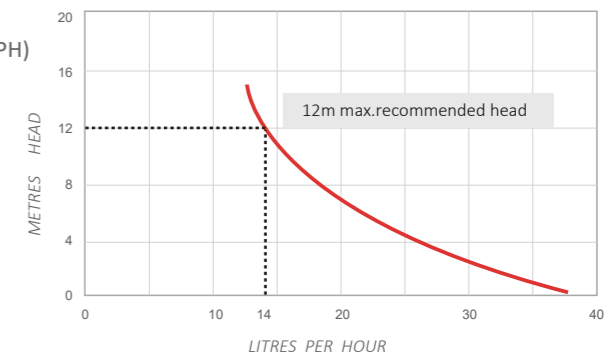
- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Submersible in Condensate Pans
- Built-in operation tracking
- Ultra-quiet operation
- Up to 46 kw / 157,000 Btu/h

- Max. flow 40 L/h (10.6GPH)
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max. discharge head 20 M (65.6ft)

The Tranquil-D features a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. Completely-sealed design with IP68 protection grade makes Tranquil-D submersible in condensate trays/pans, with high pumping capacity.

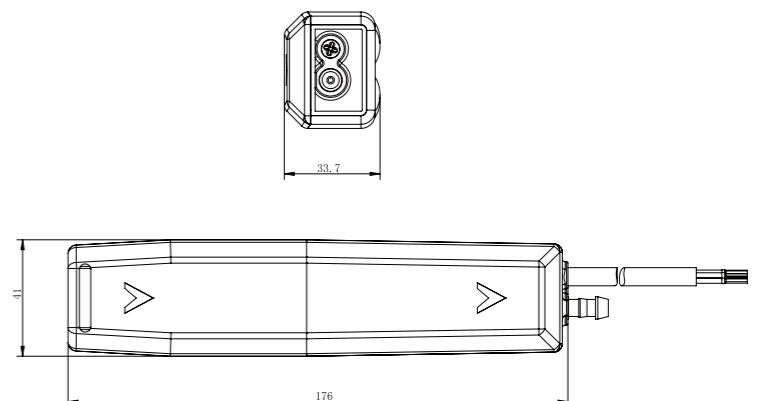
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 19dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: IP68
- LxWxH: 176mm x 34mm x 41mm



> IN THE BOX < DIMENSION <

- 1 Assembled Tranquil - D
- 2 150cm length of 6mm I/D vinyl tube
- 3 Power cable
- 4 1A fuse
- 5 Anti-siphon valve
- 6 Check valve
- 7 Nylon clamps 4x200mmx4mm



Tranquil-C



CONDENSATE PUMP

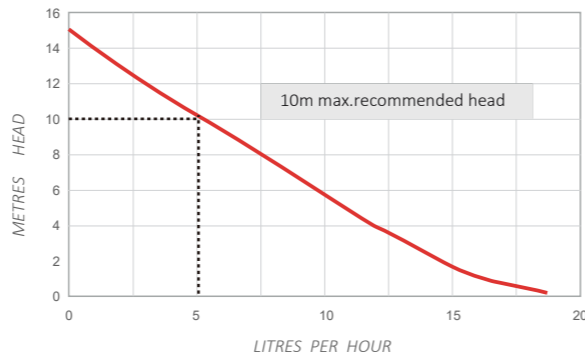
- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Reset function
- Built-in operation tracking
- Installed in trunking elbow
- Up to 16 kw/54,600 Btu/h

- Max. flow 18 L/h (4.8GPH)
- Sound level < 17-19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

The Tranquil-C uses a capacitive sensor for water detection, enhancing reliability over traditional float switches. Its soft-start mode minimizes startup noise and extends the lifespan of the pump and electronic components. A built-in counter tracks operating time and provides alarm notifications for optimal maintenance.

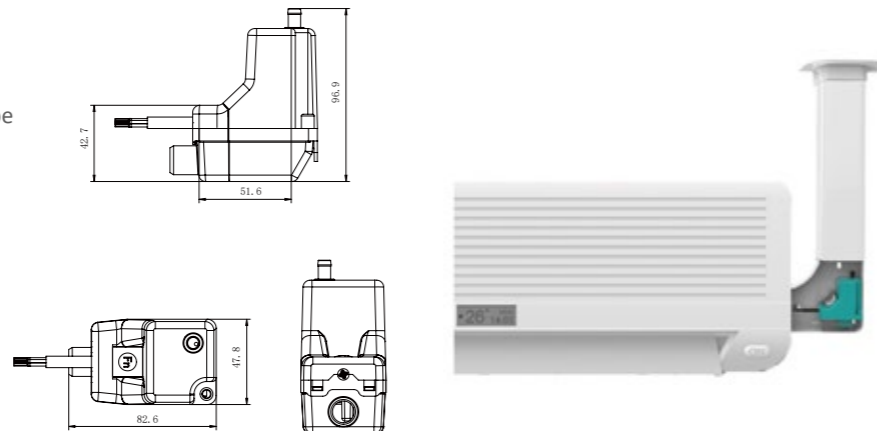
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18 L/H (4.8GPH), range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 16kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: Fully potted, IP-45
- LxWxH: 82.6mm x 47.8mm x 96.9mm



> IN THE BOX < DIMENSION <

- 1 Assembled Tranquil-C
- 2 breather hole 6mm od
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 Power Cable
- 7 Adapter
- 8 4 x 200mm x 5mm cable ties
- 9 Check valve
- 10 1 A fuse
- 11 Line Set (As option)



Tranquil-T

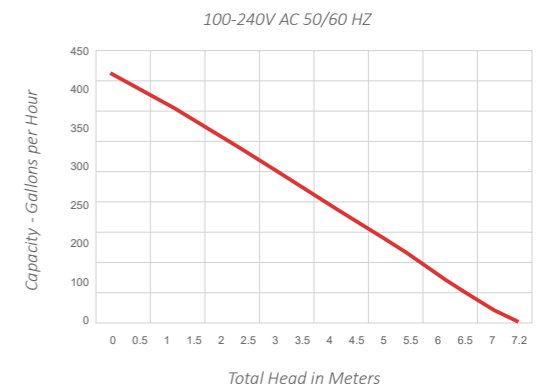
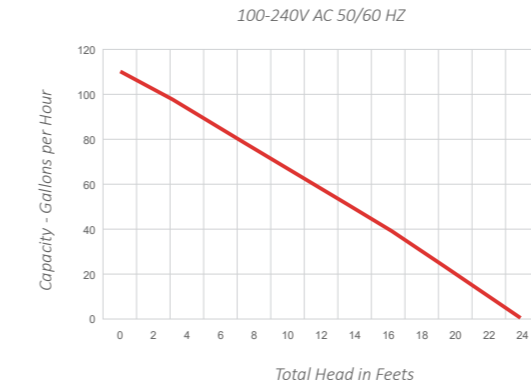


CONDENSATE PUMP

- Automatic optical-level sensor switch
- 3 LED indicators display operational modes
- Removable 3/8" barbed check valve
- Optional dual alarm system for enhanced reliability
- 6-feet power cord
- 4 inlets in size of 1"

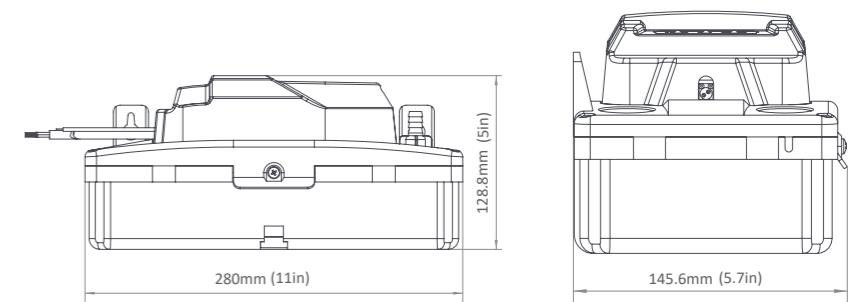
- Max. flow 416 L/h (110GPH)
- Sound level < 30 dB(A) @ 1M (3.3ft)
- Max. discharge head 7.2M (24ft)

> TYPICAL PERFORMANCE



> TECHNICAL DATA < DIMENSION <

- Power supply: 100-240V AC 50/60Hz 50W
- Max. flow: 416 L/H (110GPH)
- Sound level: 30dB(A)@1M (3.3ft)
- Max. discharge head: 7.2M (24ft)
- Max. water temperature: 60 C
- Discharge tube: 10mmID
- Class: II appliance
- IP Protection: IP24



MUTE WEDGE-20



CONDENSATE PUMP

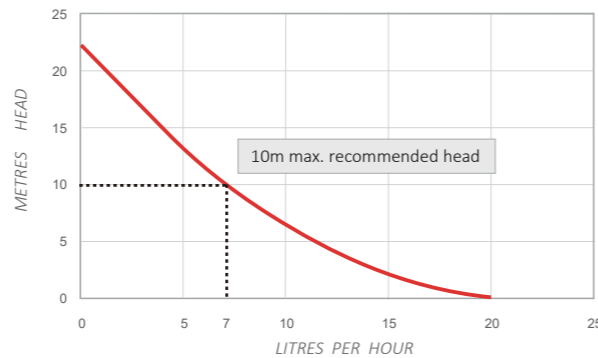
- Float Switch Detection
- Simple and quick to install
- Anti-vibration
- Silent Operation

- Max. flow 20L/h (5.3GPH) @ 0 head
- Sound level < 18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

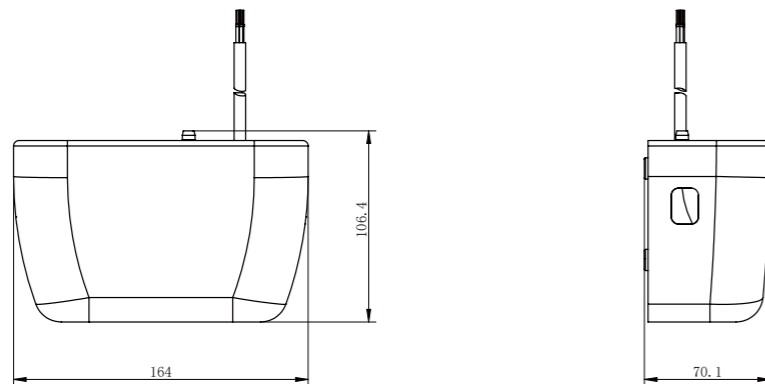
The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 20L/h (5.3GPH) @ 0 head
- Sound level: 18 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Water Storage: 230ml
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- Fully potted: Yes
- LxWxH: 164mm x 70mm x 106mm



> DIMENSION <



MUTE WEDGE-40



CONDENSATE PUMP

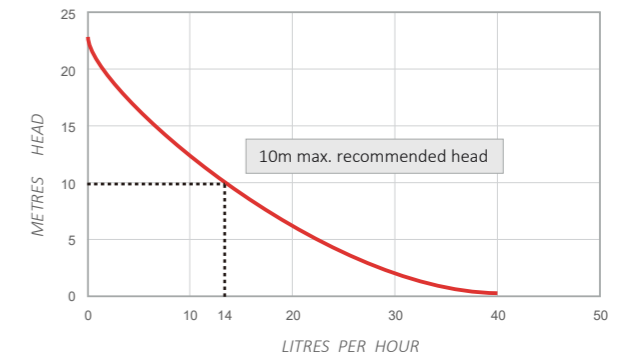
- Float Switch Detection
- High performance
- Simple and quick to install
- Anti-vibration
- Silent Operation

- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

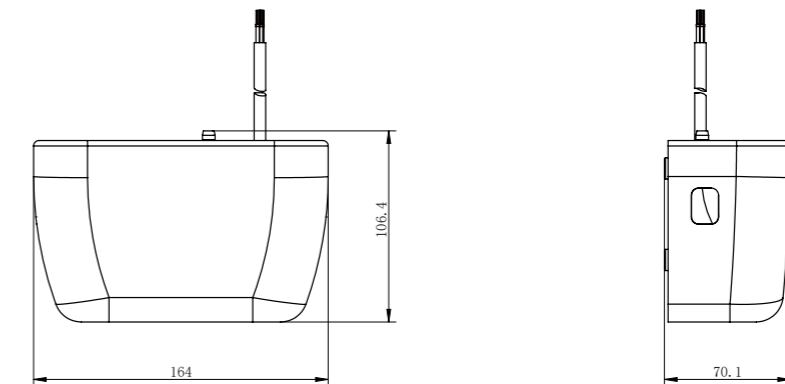
The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Water Storage: 230ml
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- Fully potted: Yes
- LxWxH: 164mm x 70mm x 106mm



> DIMENSION <



MUTE BOX-20



CONDENSATE PUMP

- Float Switch Detection
- Anti-vibration
- Plug & Play
- Silent Operation

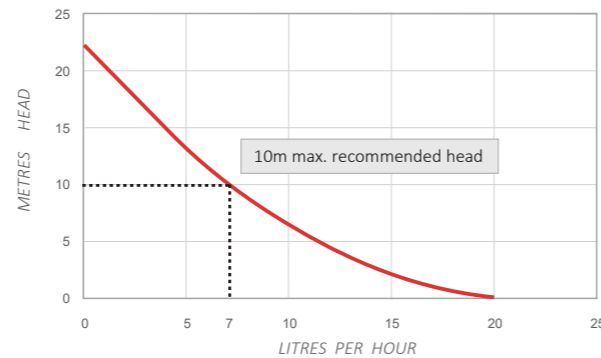
- Max. flow 20L/h (5.3GPH) @ 0 head
- Sound level < 18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

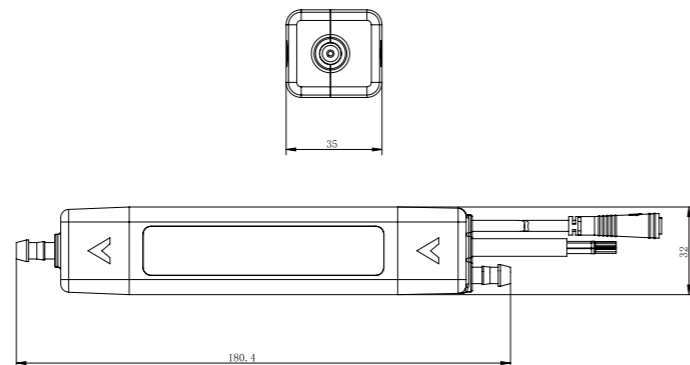
- Power supply: 100-240V AC 50/60Hz
- Max. flow: 20L/h (5.3GPH) @ 0 head
- Sound level: 18 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- Fully potted: Yes
- LxWxH: 164mm x 70mm x 106mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled MUTE BOX
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 Self adhesive velcro strips x 2
- 7 Anti-siphon valve
- 8 Check valve
- 9 Power cable
- 10 4 x 200mm x 5mm cable ties



DIMENSION <

MUTE BOX-40



CONDENSATE PUMP

- Float Switch Detection
- Anti-vibration
- Plug & Play
- Silent Operation
- High performance

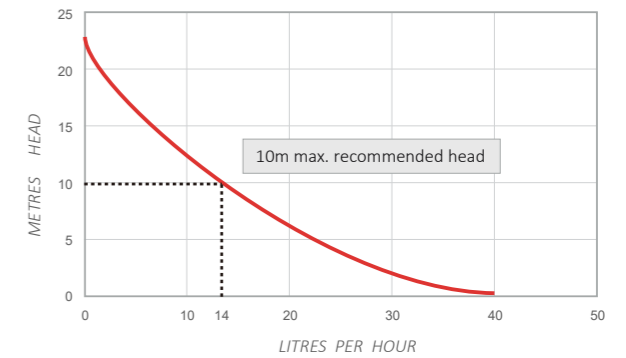
- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA

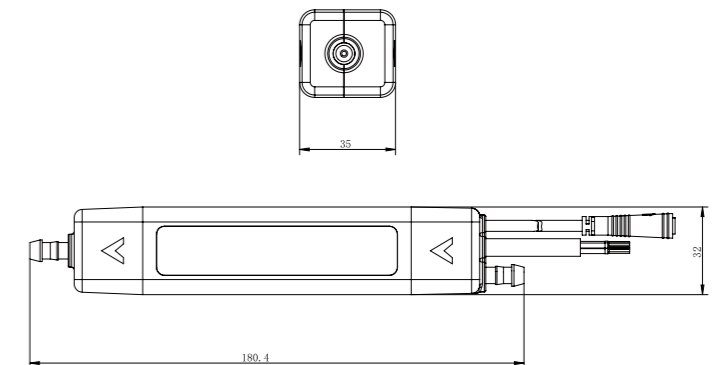
- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Non continuous
- IP Protection: IPX5
- Fully potted: Yes
- LxWxH: 185mm x 36mm x 34mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled MUTE BOX
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 Self adhesive velcro strips x 2
- 7 Anti-siphon valve
- 8 Check valve
- 9 Power cable
- 10 4 x 200mm x 5mm cable ties



DIMENSION <

MUTE SLIM



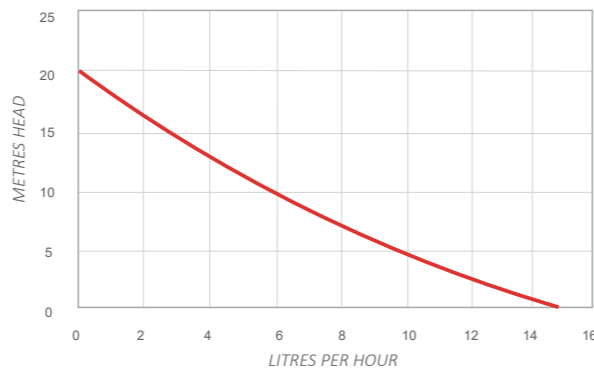
CONDENSATE PUMP

- *Float Switch Detection*
- *Anti-vibration*
- *Silent Operation*
- *Plug & Play*
- *Slim design to fit various installation methods*
- Max. flow 15L/h (4.0GPH) @ 0 head
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

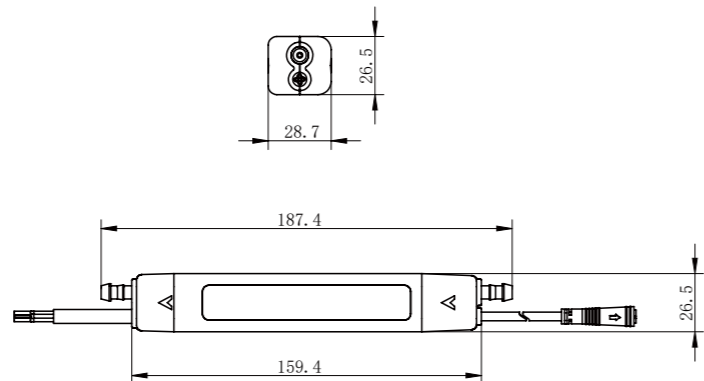
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 15L/h (4.0GPH) @ 0 head
- Sound level: 19 dB(A) @1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- LxWxH: 96mm x 47mm x 94mm



> IN THE BOX < DIMENSION <

- Assembled MUTE SLIM
- 6mm i/d vinyl tube
- Assembled Inline reservoir
- 1.5m length of 6mm i/d vinyl tube
- Inlet tube
- 2 x self adhesive velcro strips
- Check valve
- Anti-siphon valve
- Power cable
- 4 x 200mm x 5mm cable ties



MUTE TANK-40



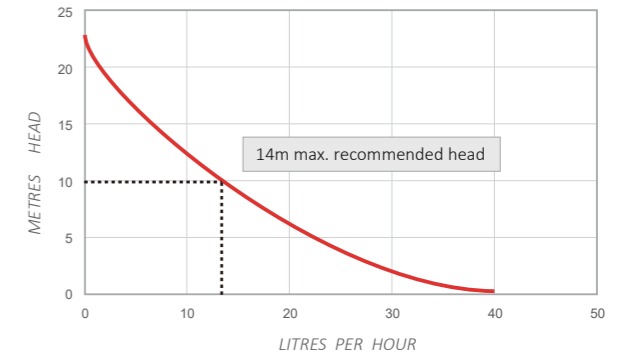
CONDENSATE PUMP

- *Float Switch Detection*
- *Anti-vibration*
- *High performance*
- *Silent Operation*
- *Fit various installation methods*
- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 19 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

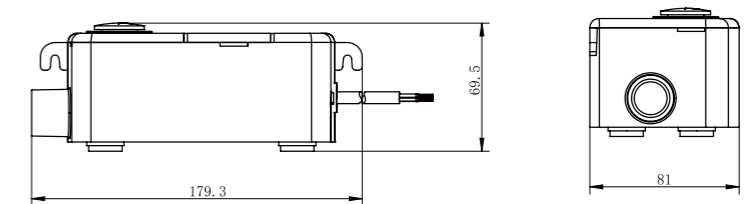
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 19 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Non continuous
- IP Protection: IPX7
- Fully potted: Yes
- LxWxH: 180mm x 81mm x 70mm



> IN THE BOX < DIMENSION <

- Assembled MUTE TANK
- 6mm i/d vinyl tube
- Assembled Inline reservoir
- 1.5m length of 6mm i/d vinyl tube
- Inlet tube
- Power cable



MUTE CORNER-20



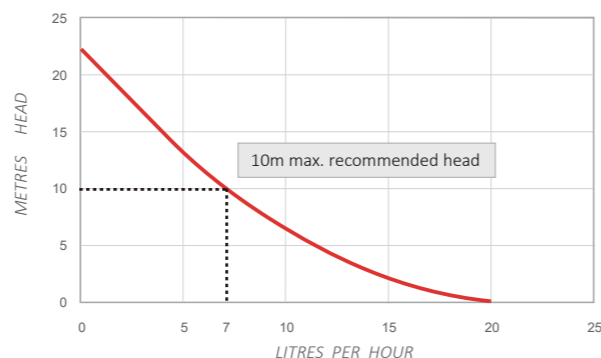
CONDENSATE PUMP

- *Float Switch Detection*
- *Plug & Play*
- *Fit with trunking elbow*
- *Anti-vibration*
- *Silent Operation*
- Max. flow 20L/h (5.3GPH) @ 0 head
- Sound level < 18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

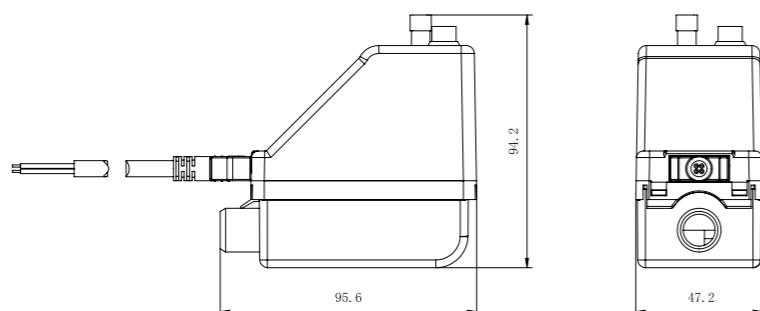
> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 20L/h (5.3GPH) @ 0 head
- Sound level: 18 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- LxWxH: 96mm x 47mm x 94mm



> IN THE BOX < DIMENSION <

- Assembled MUTE CORNER
- 6mm i/d vinyl tube
- Assembled Inline reservoir
- 1.5m length of 6mm i/d vinyl tube
- Inlet tube
- 4 pin socket
- 1 x adapters
- 4 x 200mm x 5mm cable ties



MUTE CORNER-40



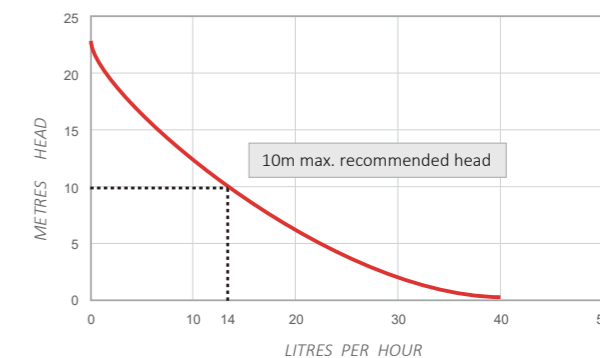
CONDENSATE PUMP

- *Float Switch Detection*
- *Plug & Play*
- *Fit with trunking elbow*
- *Anti-vibration*
- *Silent Operation*
- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

The sleek, compact design of the Mute series pumps makes them ideal for integration with mini-split and ducted HVAC systems. Operating via float switch mechanism, Mute series delivers exceptional condensate removal performance while maintaining whisper-quiet operation, ensuring optimal environmental comfort.

> TECHNICAL DATA < TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- IP Protection: IPX5
- LxWxH: 96mm x 47mm x 94mm



> IN THE BOX < DIMENSION <

- Assembled MUTE CORNER
- 6mm i/d vinyl tube
- Assembled Inline reservoir
- 1.5m length of 6mm i/d vinyl tube
- Inlet tube
- 4 - pin socket
- Adapter
- 4 x 200mm x 5mm cable ties



HEART BOX-20



CONDENSATE PUMP

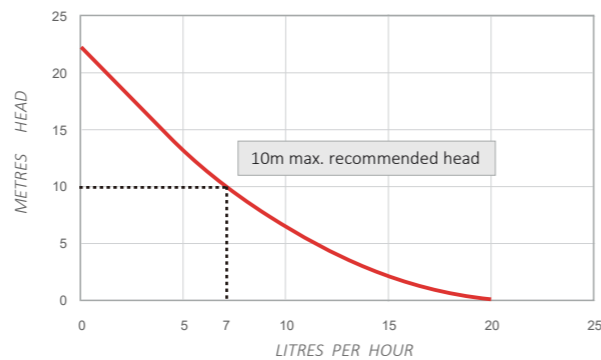
- Plug & Play
- Anti-vibration
- Silent Operation
- Quick and simple installation

- Max. flow 20L/h (5.3GPH) @ 0 head
- Sound level < 18 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

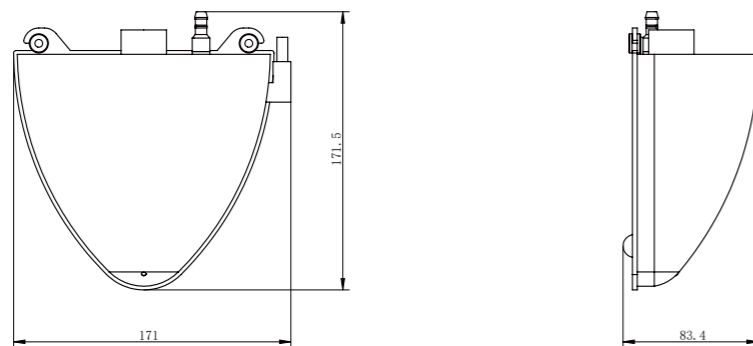
> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 20L/h(5.3GPH) @ 0 head
- Sound level: 18 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Tank capacity: 300ml
- Max. unit output: 28kw / 95,550Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- Fully potted: Yes
- LxWxH: 171mm x 83.4mm x 171.5mm

TYPICAL PERFORMANCE <



> IN THE BOX



HEART BOX-40



CONDENSATE PUMP

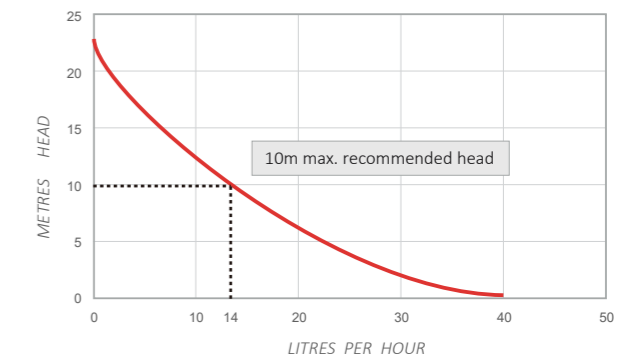
- High Performance
- Plug & Play
- Anti-vibration
- Quiet Operation
- Quick and simple installation

- Max. flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

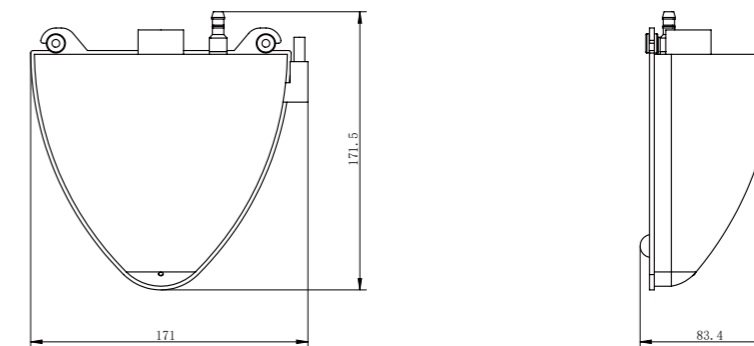
> TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Tank capacity: 300ml
- Max. unit output: 46kw / 157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- Fully potted: Yes
- LxWxH: 171mm x 83.4mm x 171.5mm

TYPICAL PERFORMANCE <



> IN THE BOX



SLIM BOX



CONDENSATE PUMP

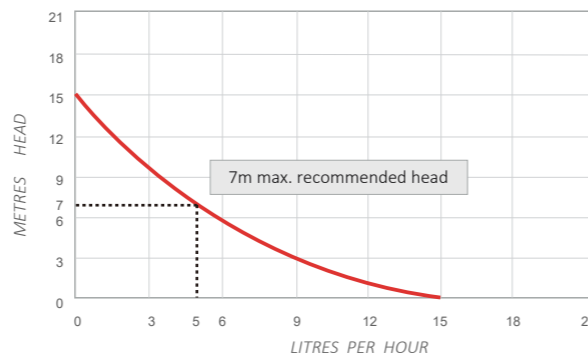
- Ultra slim design
- Plug & Play
- Anti-vibration
- Quiet Operation

- Max. flow 15L/h (4GPH) @ 0 head
- Sound level < 21 dB(A) @ 1M (3.3ft)
- Max. discharge head 12M (39.4ft)

> TECHNICAL DATA

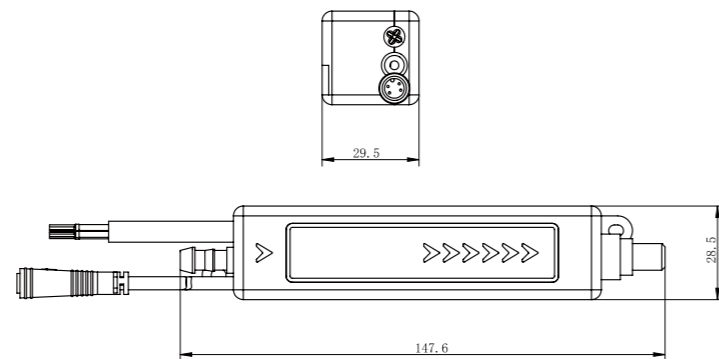
- Max. flow: 15L/h (4GPH) @ 0 head
- Sound level: 21 dB(A) @ 1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 16kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Non continuous
- IP Protection: IPX5
- Thermal protection: Yes
- Fully potted: Yes
- LxWxH: 148mm x 29mm x 29mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled SLIM BOX
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 Power cable
- 7 Self adhesive velcro strips x 2
- 8 4 x 200mm x 5mm cable ties



DIMENSION <

EASY BOX



CONDENSATE PUMP

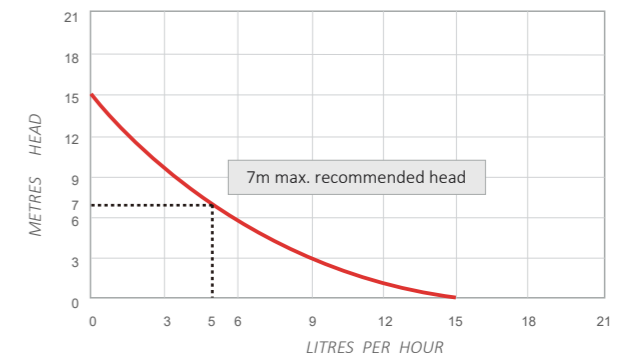
- Plug & Play
- Anti-vibration
- Quiet Operation
- Small size suitable for various installation

- Max. flow 15L/h (4.0GPH) @ 0 head
- Sound level < 21 dB(A) @ 1M (3.3ft)
- Max. discharge head 12 M (39.4ft)

> TECHNICAL DATA

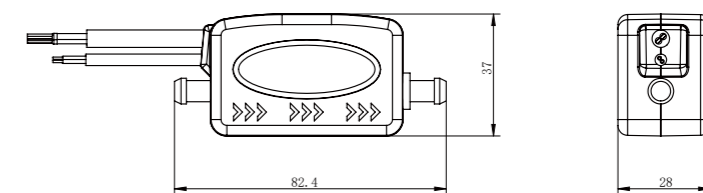
- Max. flow: 15L/h (4GPH) @ 0 head
- Sound level: 21 dB(A) @ 1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Tank capacity: 40ml
- Max. unit output: 16kw / 54,600 Btu/h
- Max. water temperature: 40°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Non continuous
- IP Protection: IPX5
- Thermal protection: Yes
- Fully potted: Yes
- LxWxH: 82.4mm x 28mm x 37mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled EASY BOX
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 Inlet tube
- 5 Power cable
- 6 Self adhesive velcro strips x 2
- 7 2 x 100mm x 5mm cable ties



DIMENSION <

MINI BOX



CONDENSATE PUMP

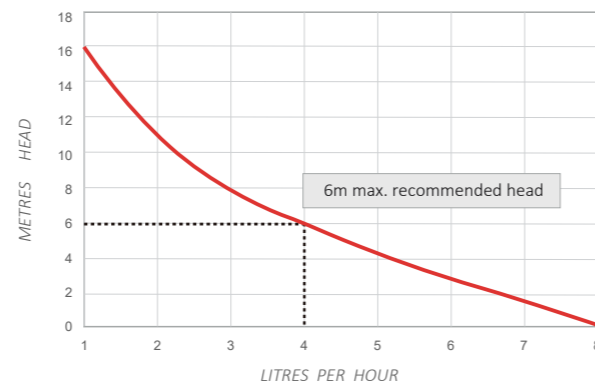
- Plug & Play
- Anti-vibration
- Quiet Operation
- Small size suitable for various installation

- 🔥 Max. flow 10L/h (2.6GPH) @ 0 head
- 🔊 Sound level < 20dB(A)@ 1M (3.3ft)
- 📏 Max. discharge head 15M (49.2ft)

> TECHNICAL DATA

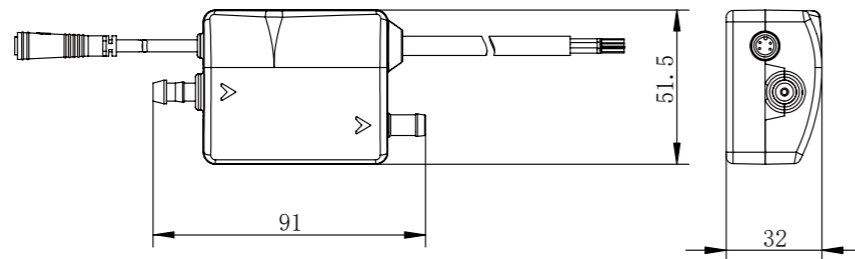
- Max. flow: 10L/h (2.6 GPH) @ 0 head
- Sound level: 20 dB(A)@1M (3.3ft)
- Power supply: 100-240V AC 50/60Hz
- Max. discharge head: 15M (49.2ft)
- Max. unit output: 16kw/54,600Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70 °C
- Discharge tube: 6mmID
- Class: II appliance
- Safety switch: 3A Normally closed
- Rated: Continuous
- IP Protection: IPX4

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled mini box
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 4 - pin socket
- 7 2 x self adhesive velcro strips
- 8 4 x 200mm x 5mm cable ties



DIMENSION <

MAXI BOX



CONDENSATE PUMP

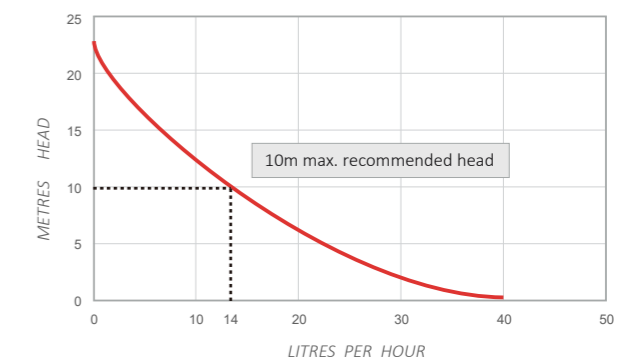
- High Performance
- Plug & Play
- Anti-vibration
- Quiet Operation

- 🔥 Max flow 40L/h (10.6GPH) @ 0 head
- 🔊 Sound level < 20dB(A)@ 1M (3.3ft)
- 📏 Max. discharge head 20M (65.6ft)

> TECHNICAL DATA

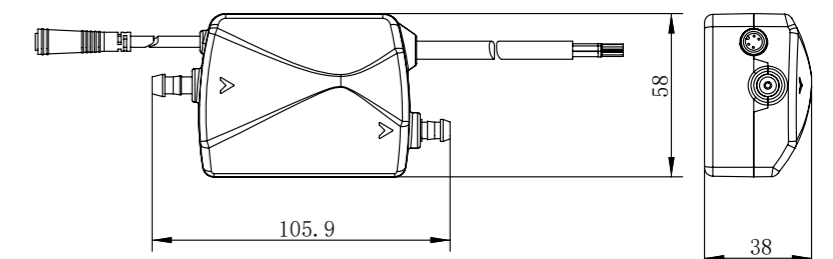
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Power supply: 100-240V AC 50/60Hz
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw/157,000Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70 °C
- Discharge tube: 6mmID
- Class: II appliance
- Safety switch: 3A Normally closed
- Rated: Continuous
- IP Protection: IPX4

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled maxi box pump
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 4-pin socket
- 7 2 x self adhesive velcro strips
- 8 4 x 200mm x 5mm cable ties
- 9 Anti-siphon valve
- 10 Check valve



DIMENSION <

MPC-20



CONDENSATE PUMP

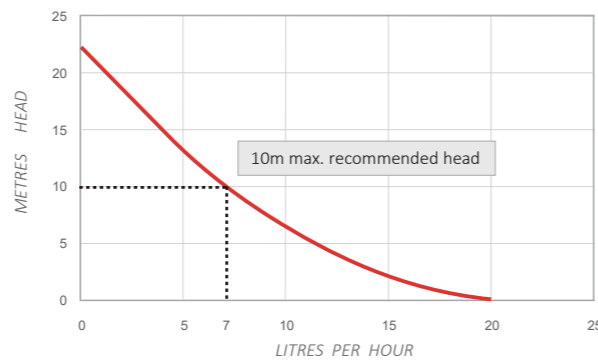
- Plug & Play
- Anti-vibration
- Quiet Operation
- Fit various installation methods

- Max. flow 20L/h (5.3GPH) @ 0 head
- Sound level < 18 dB(A) @ 1M
- Max. discharge head 20M (65.6ft)

> TECHNICAL DATA

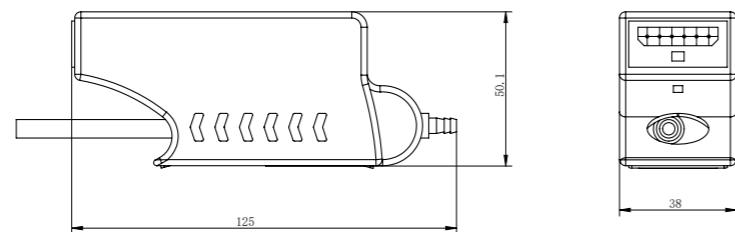
- Power supply: 100-240V AC 50/60Hz
- Max. flow: 20L/h (5.3GPH) @ 0 head
- Sound level: 18 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 28kw / 95,550 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- LxWxH: 125mm x 38mm x 50mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled MPC PUMP
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 6 pin socket lead assembly
- 7 Self adhesive velcro strips x 2
- 8 4 x 200mm x 5mm cable ties
- 9 Check valve
- 10 Anti-siphon valve



DIMENSION <

MPC-40



CONDENSATE PUMP

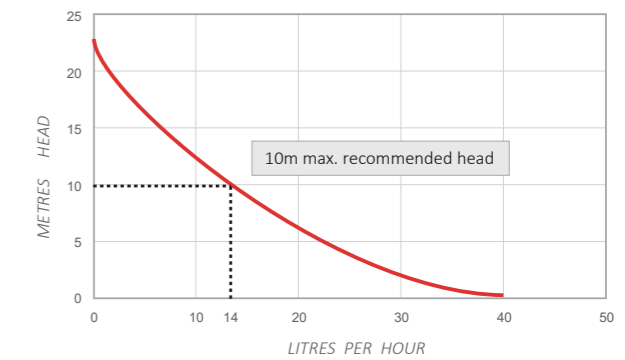
- High Performance
- Plug & Play
- Anti-vibration
- Quiet Operation
- Fit various installation methods

- Max flow 40L/h (10.6GPH) @ 0 head
- Sound level < 20 dB(A) @ 1M (3.3ft)
- Max. discharge head 20M (65.6ft)

> TECHNICAL DATA

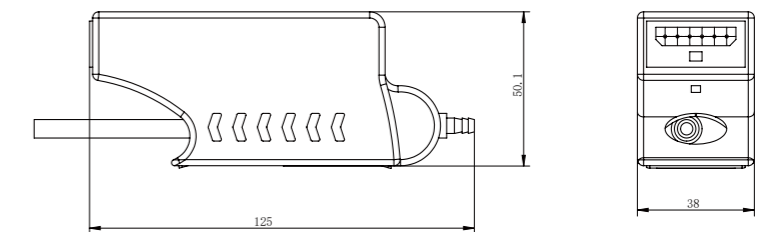
- Power supply: 100-240V AC 50/60Hz
- Max. flow: 40L/h (10.6GPH) @ 0 head
- Sound level: 20 dB(A) @1M (3.3ft)
- Max. discharge head: 20M (65.6ft)
- Max. unit output: 46kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 70°C
- Discharge tube: 6mmID
- Class: II appliance
- Rated: Continuous
- LxWxH: 125mm x 38mm x 50mm

TYPICAL PERFORMANCE <



> IN THE BOX

- 1 Assembled MPC PUMP
- 2 6mm i/d vinyl tube
- 3 Assembled Inline reservoir
- 4 1.5m length of 6mm i/d vinyl tube
- 5 Inlet tube
- 6 6 pin socket lead assembly
- 7 Self adhesive velcro strips x 2
- 8 4 x 200mm x 5mm cable ties
- 9 Check valve
- 10 Anti-siphon valve



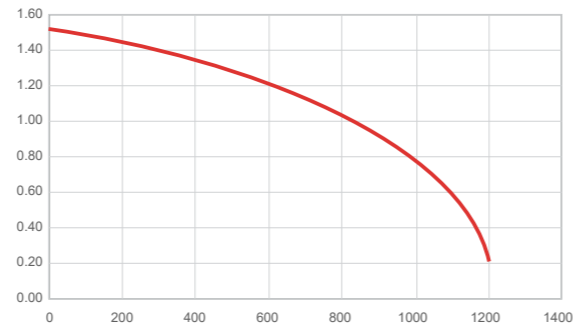
DIMENSION <

PC-DC

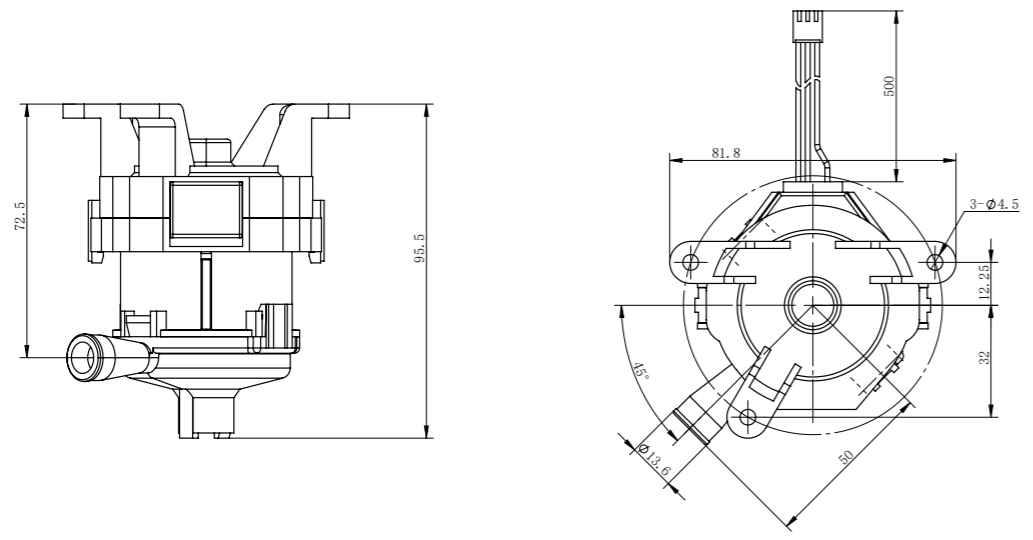


> TECHNICAL DATA TYPICAL PERFORMANCE <

- Max. flow rate: 70L/h
- Rated voltage: DC12V(1±10%)
- Rated max head: 1.2M
- Water level: 10mm
- Input power: 2.4W(1±10%)
- Rated flow rate: >550ml/min



> DIMENSION



PC-AC



> TECHNICAL DATA TECHNICAL DATA <

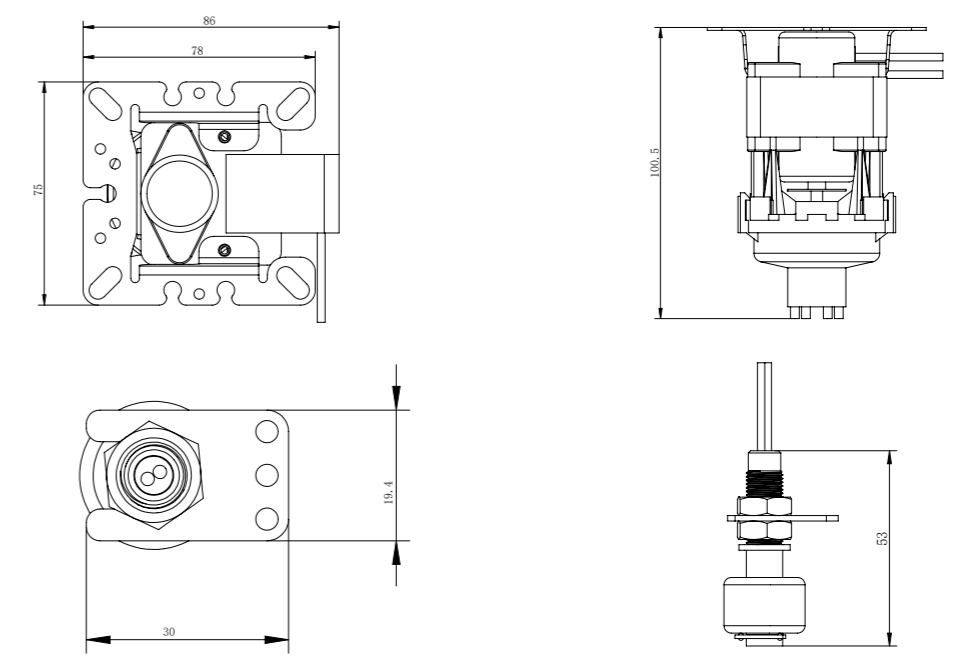
PC-AC40

- Max. flow rate: 40L/h
- Max. discharge height: 95cm
- Power supply: 230V-50/60 Hz≤8W
- Alarm contact: NC 50 VA resistive-250V
- Input power: impedance protection
- Alarm level: 18mm
- Sound level at 1 m: ≤30dBA

PC-AC70

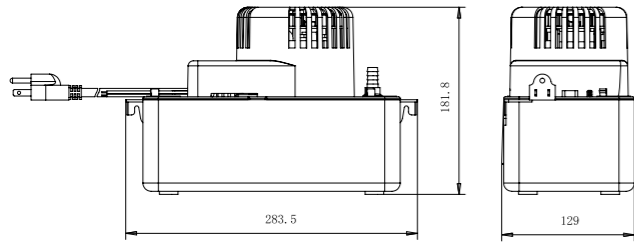
- Max. flow rate: 70L/h
- Max. discharge height: 95cm
- Power supply: 230V-50/60 Hz≤8W
- Alarm contact: NC 50 VA resistive-250V
- Input power: impedance protection
- Alarm level: 18mm
- Sound level at 1 m: ≤35dBA

> DIMENSION



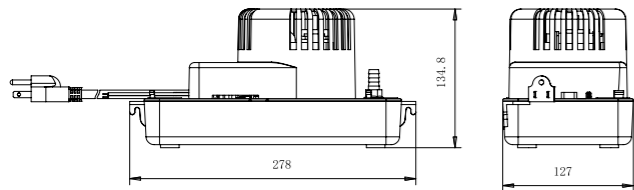
TANK-V

Tank capacity: 2.2L (0.6 gallon)



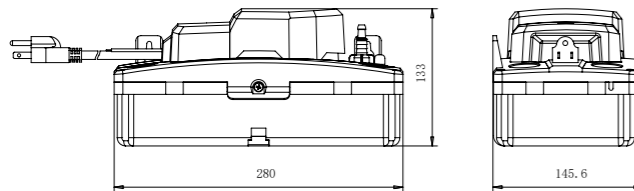
TANK-L

Tank capacity: 1.1L (0.3 gallon)



TANK-X

Tank capacity: 1.7L (0.45gallon)



Model	Voltage(V)	Frequency(Hz)	Current(A)	Power(W)	Max. flow	Max. discharge head
RTP15WS115V RTP15WS115L RTP15WS115X	115	60	1.0	60	66GPH (250L/H)	15'/4.6M
RTP20WS115V RTP20WS115L RTP20WS115X	115	60	1.5	85	80GPH (303L/H)	20'/6.1M
RTP22WS115V RTP22WS115L	115	60	1.85	100	145GPH (550L/H)	22'/6.7M
RTP24WS115V RTP24WS115L	115	60	2.2	110	153GPH (580L/H)	24'/7.3M
RTP15WS230V RTP15WS230L RTP15WS230X	230	60	0.45	50	66GPH (250L/H)	15'/4.6M
RTP20WS230V RTP20WS230L RTP20WS230X	230	60	0.55	75	80GPH (303L/H)	20'/6.1M
RTP22WS230V RTP22WS230L	230	60	1.0	100	145GPH (550L/H)	22'/6.7M
RTP24WS230V RTP24WS230L	230	60	1.1	110	153GPH (580L/H)	24'/7.3M
RTP15WS230V RTP15WS230L RTP15WS230X	230	50	0.6	60	251L/H	4M
RTP20WS230V RTP20WS230L RTP20WS230X	230	50	0.7	85	265L/H	4.5M
RTP22WS230V RTP22WS230L	230	50	1.2	115	268L/H	5M
RTP24WS230V RTP24WS230L	230	50	1.3	125	352L/H	5.5M

FLOAT SWITCH-FS1

TECHINICAL DATA

Voltage: 24VAC
 Current: 1.25 Amp
 General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Accommodates sloped drain line installation up to 45 degrees.
- Cap can be easily removable for inspecting the operation of float switches.

FLOAT SWITCH-FS2

TECHINICAL DATA

Voltage: 24VAC
 Current: 1.25 Amp
 General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Installed horizontally on the auxiliary drain outlet of the primary pan, using the provided adapter, bushing, and cap.
- Cap can be easily removable for inspecting the operation of float switches.

FLOAT SWITCH-FS3

TECHINICAL DATA

Voltage: 24VAC
 Current: 1.25 Amp
 General Purpose, Used in Class 2 (Thermostat) Circuit Only



- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Engineered with heavy-duty steel mounting brackets for secure attachment to condensate drain pan.
- Installed on various primary or auxiliary drain pans and will operate correctly even if the installation is off-center.

CTK

Condensate Trap Kit with Overflow Switch

Voltage: 24VAC
 Current: 1.25 Amp
 General Purpose, Used in Class 2 (Thermostat) Circuit Only



Code	Size
CTK1	3/4"
CTK2	1"

- Automatically detects clogged A/C condensate drains and shuts off the system for enhanced safety protection.
- Accommodates sloped drain line installation up to 45 degrees.
- Cap can be easily removable for inspecting the operation of float switches.

CT

Code	Size
CT1	3/4"
CT2	1"



- The trap's clear design enables effortless cleaning and inspection.
- Equipped with watertight blue caps, ensuring easy access for cleaning both the trap and the drain pan outlet.
- Provided with brush (optional)

WET SWITCH FD-1

- Automatically cut off the power line/equipment with detection of presence of water
- LED indicators display operating status
- Flexible installations; usually placed in a drain pan, or on floor
- Manual reset for multiple uses
- Easy and quick installation



Rated Current	Rated Voltage	Electrical Connection Type	Switch
3A	12-30VAC 50/60Hz or 12-36VDC	Independently powered	Normally closed (N/C) Normally open (N/O)

CO2 SHOT DRAIN GUN

A/C drain line flush to clean condensate drain lines faster and easier

- Compatible with CO2 Cartridges in a pack of 6 or 12
- Tapered fitting to cleaning for 3/8 in - 3/4 in drain openings
- Portable, light-weight, and eco-friendly



CHINAFORE

Since 2003, Chinafore has been dedicated to innovation and research & development in the HVAC/R industry, with focus on the manufacturing in Fresh Air Ventilation Systems and Air Conditioning Installation Systems. We continuously advance technology to enhance product efficiency and durability, meeting the growing demands of global markets. We firmly believe that innovation is the core driver of success.

Our mission is to deliver products that not only meet but exceed the requirements of modern building, residential, and industrial applications. With a commitment to excellence in quality, reliability, and technological leadership, we remain at the forefront of the HVAC/R industry, driving its development.

Refcenter®

Refcenter, a pioneering brand in the HVAC/R industry, has specialized in developing condensate pumps and refrigeration installation accessories for over 15 years. Today, Refcenter offers a wide range of products designed to deliver exceptional flexibility and reliability for installation engineers.

Our products feature innovative designs to enable a hassle-free, efficient, and dependable installation experience. Guided by a philosophy of user-centered design, Refcenter has become the preferred choice for HVAC/R installers seeking quality and efficiency in their workflow. Experience the Refcenter difference and elevate your installation standards with our trusted solutions.