

# SERVICE PRICELIST

---

RANGEHOOD,  
EXTRACTION FAN  
& HEAT PUMPS



# RANGEHOODS, EXTRACTION FANS & HEAT PUMPS.

We have had an incredible response to the new government legislation and have made this brochure to try and help you make some good decisions for your home or rental property. The prices in this brochure are accurate if you do have a straight forward install, considerations need to be made for extra allowances around bottom floor fans as more works are required.

This brochure has been made to meet the standards for 70% of homes, yours may be different but does help you collect some information and pricing for budgeting the associated costs.

## WHAT DOES THE LAW SAY?

The following extract was taken from the Otago times, we have shortened it to help you understand the new laws that are being implemented

New Government rules will require every rental home in New Zealand to have a heater in the living room and an extractor fan in the kitchen and bathroom.

The new standards are part of the Government's healthy homes standards, announced by Housing Minister Phil Twyford this morning. From mid 2021, all rental homes will be required by law to have a heater that can heat a main living area to 18degC.

Kitchens and bathrooms will have to have extraction fans or rangehoods.

From July 2021, private landlords must ensure their rental properties comply with the standards. All Housing New Zealand houses and registered Community Housing Providers houses must comply with the healthy home standards by July 2023.

By July 2024, all rental homes must comply with the new standards.



# KITCHEN RANGEHOODS

---

## A QUICK RUN DOWN OF THE RANGEHOODS WE HAVE CHOSEN AND WHY

We have supplied some pricing for a good quality low priced standard wall mounted rangehood that we can duct either through the roof, through the wall or through the soffit. If you have a rangehood on a ground floor and it is not on an external wall then we will need to price this accordingly.

The Parmco products are very well priced and have excellent customer warranty support and have very few failures, less than some of the more famous and well known brands. This is a basic well priced rangehood, not the classiest product but works well. For the quality, the price will not be beaten. The prices are for a white rangehood. If your ceiling is on an angle then add a further \$30 to the price for cutting the rangehood flue down. If your ceiling is higher than 2.7m then we will also require extra flute to ensure it reaches your ceiling.

When selecting a rangehood you must ensure it will move atleast 700m<sup>3</sup> of air an hour, if it moves less than this then it will not work well. The rangehood should be mounted 700mm above your cooktop. This is the height that you can hit your head on it if you are tall. But it is the recommended height to work its best. It can be mounted higher upon request prior to starting the works. The rangehood quoted for is 600mm wide. If you require a different rangehood then remove this section of the price and supply one you like.

Sometimes we can not install rangehoods due to windows or cupboards above the cooktops. In these cases we recommend you install a high efficiency fan in the ceiling, use the bathroom extract fan prices for this. Rangehoods are better but sometimes you do need to go for the next best practical solution.

Please also note, the powerpoints for the rangehoods, we have not allowed for an rcd which is required by law if you don't have these all ready in your switchboard. These are an additional \$80 approx. If your home is older than the year 2000 then you might not have these if your switchboard has not been upgraded. These are a life protecting circuit breaker which are now mandatory in new circuits in homes.

We have supplied 3 prices. One for running the duct through the soffit, gable or wall, one for a through tin roof and one through a tile roof. The prices are including 3 metres of ducting, if the run is longer than this the price may raise slightly.

If the duct needs to go through a concrete wall then extra costs will be required.(approx. \$120)

The through roof kits are supplied as sometimes we can not run the duct through into the soffits (rare) or you may not have soffits. If the soffits are asbestos we also need to run through the roof. (pre 1980's built houses mostly)

These pictures here to show you what the soffit and gables are.



*Soffit*



*Gable*



*Gable/ Wall Grill*

## KITCHEN RANGEHOOD THROUGH A NON ASBESTOS SOFFIT

This section is for the rangehoods that can be mounted straight to the wall with no modifications. Price to supply and install the Parmco 600mm-White lifestyle LED light canopy. RCAN-6W-1000L rangehood into 1 kitchen.

The price includes the powerpoint for the rangehood.

Item	Quantity
Parmco 600mm-White lifestyle LED light canopy. RCAN-6W-1000L	1.00
Hang Range hood	1.00
ECW300 Install powerpoint from other socket or db	1.00
Fixings, silicon, tape and other useables	1.00
MANROSE 125MMX3M ALUMNINIUM DUCT FLEXIBLE BOX	1.50
MANROSE 150-125MM DUCT REDUCER PLASTIC	1.00
MANROSE 150MM GRILL FIXED WHITE	1.00
Labour	4
<i>Total (inc. GST) \$997.90</i>	

## KITCHEN RANGEHOOD THROUGH A TIN ROOF

This section is for the rangehoods that can be mounted straight to the wall with no modifications. Price to supply and install the Parmco 600mm-White lifestyle LED light canopy. RCAN-6W-1000L rangehood into 1 kitchen. The price includes the powerpoint for the rangehood.

Item	Quantity
Parmco 600mm-White lifestyle LED light canopy. RCAN-6W-1000L	1.00
Hang Range hood	1.00
ECW300 Install powerpoint from other socket or db	1.00
Fixings, silicon, tape and other useables	1.00
MANROSE 125MMX3M ALUMNINIUM DUCT FLEXIBLE BOX	1.50
MANROSE 150MM THRU-ROOF EXHAUST KIT GEN.PURPOSE	1.00
MANROSE 150-125MM DUCT REDUCER PLASTIC	1.00
Labour	4.5
<i>Total (inc. GST) \$1,185</i>	



## KITCHEN RANGEHOOD THROUGH A TILE ROOF

This section is for the rangehoods that can be mounted straight to the wall with no modifications. Price to supply and install: Parmco 600mm-White lifestyle LED light canopy & RCAN-6W-1000L rangehood into 1 kitchen. The price includes the powerpoint for the rangehood.

Item	Quantity
Parmco 600mm-White lifestyle LED light canopy. RCAN-6W-1000L	1.00
Hang Range hood	1.00
ECW300 Install powerpoint from other socket or db	1.00
Fixings, silicon, tape and other useables	1.00
MANROSE 125MMX3M ALUMNINIUM DUCT FLEXIBLE BOX	1.50
MANROSE 150-125MM DUCT REDUCER PLASTIC	1.00
Thru roof kit concrete tile (EA)	1.00
Labour	4.5
<i>Total (inc. GST) \$1,244</i>	



# BATHROOM FAN

Bathroom fans come in many different styles. Inline ceiling fans are best if practical, then ceiling mounted extract fans are 2nd, through wall fans are third and through window fans as the last option.

With 20 years experience in this area, Trilect have changed what we have done to make these as good as possible for the home owner, tweeking the little things to make it better.

We use easy clean grills as these do not collect dust. They are low profile and look great. The traditional grills still work but tend to gather dust when the fans are turned on and constantly need cleaning. The grills we use are an additional few dollars but will save cleaning moving forward.

The manrose mixflo fan is amazing. Moving an extra ordinary 560m<sup>3</sup> of air an hour. This means it will replace all the air in your averaged sized bathroom every 3 minutes. We have literally installed 1000's of these and have had to replace 2 in the last 10 years. They really are the best. They come with a 4 year warranty. The fans priced for are these great fans. We can reduce the price by \$80 if you decide to go for the hyper fan which is also great and will replace all the air in your bathroom every 8 minutes. Light heat fan units come in many different styles, the basic models will replace the air every 15 minutes, these are not ideal for extracting air, more designed for heating the bathroom. Basic cheap inline fans that are around \$90 in cost replace the air every 12 minutes.

Why is the air flow important? The faster you remove the air, the faster you remove the steam. Yes you will still get condensation on your mirrors and walls but it will be considerably less. The less moisture in your bathroom, the longer your bathroom will last, the less painting that will be required and mould will not spread.

We can also install fan timers, these are great for rentals as the fan will run for approx. 5 minutes after the lights have been turned off to ensure the last of the steam is removed. This is not compulsory, just a good option. Do consider the tenants and think wether this will be a good option or not. The noise can annoy people when using the toilet at night so think twice if it is used on an ensuite right next to a bathroom. These timers are \$60 approx if we put this in while onsite doing the fans (more for a return visit)

Further options not included are acoustic ducting, this makes the fans quieter through the muffler style ducting used. This is not included in the following prices and will add approx. \$70 to the price.

## BATHROOM EXTRACTION FAN THROUGH A NON ASBESTOS SOFFIT

Price for a high efficiency fan in the ceiling, this will move 560m<sup>3</sup> of air an hour and comes with a 4 year guarantee. We have allowed for an adjustable fan timer so the fan will run for a further an approximate set period after the fan is turned off, the timer has an adjustable prestart time and adjustable run on time, as they are high efficiency fans, my recommendation would be to start the fan after 3 minutes and run on for between 5 and 7 minutes. The fan will come on with the lights in the room.

Item	Quantity
High efficiency fan larger orders	1.00
Fixings, silicon, tape and other useable	1.00
MANROSE 150MMX6M ALUMINIUM DUCT FLEXIBLE	1.00
MANROSE 150MM GRILL FIXED WHITE	1.00
Labour	3
<i>Total (inc. GST) \$732</i>	

## BATHROOM EXTRACTION FAN THROUGH A TIN ROOF

Price for a high efficiency fan in the ceiling, this will move 560m<sup>3</sup> of air an hour and comes with a 4 year guarantee. We have allowed for an adjustable fan timer so the fan will run for a further an approximate set period after the fan is turned off, the timer has an adjustable prestart time and adjustable run on time, as they are high efficiency fans, my recommendation would be to start the fan after 3 minutes and run on for between 5 and 7 minutes. The fan will come on with the lights in the room.

Item	Quantity
High efficiency fan larger orders	1.00
Fixings, silicon, tape and other useable	1.00
MANROSE 150MM THRU-ROOF EXHAUST KIT GEN.PURPOSE	1.00
MANROSE 150MMX6M ALUMINIUM DUCT FLEXIBLE	1.00
Labour	3.5
<i>Total (inc. GST) \$965</i>	

## BATHROOM EXTRACTION FAN THROUGH A TILE ROOF

Price for a high efficiency fan in the ceiling, this will move 560m<sup>3</sup> of air an hour and comes with a 4 year guarantee. We have allowed for an adjustable fan timer so the fan will run for a further an approximate set period after the fan is turned off, the timer has an adjustable prestart time and adjustable run on time, as they are high efficiency fans, my recommendation would be to start the fan after 3 minutes and run on for between 5 and 7 minutes. The fan will come on with the lights in the room

Item	Quantity
High efficiency fan larger orders	1.00
fixings, silicon, tape and other useables	1.00
MANROSE 150MMX6M ALUMINIUM DUCT FLEXIBLE	1.00
Thru roof kit concrete tile (EA)	1.00
Labour Peter E17958	3.5
<i>Total (inc. GST) \$ 992</i>	

# COMBINATION

Options	Cost (inc. GST)
Combination rangehood and bathroom extraction fan through a non asbestos soffit	\$1,870
Combination rangehood and bathroom extraction fan through a tin roof	\$ 1,926
Combination rangehood and bathroom extraction fan through a tile roof	\$ 1,985



# PRODUCTS WE USE

---





## MANROSE LOW PROFILE FLAT DIFFUSER 150MM

High quality designer finish. Designed to supply air into your home, by pushing the air along the ceiling and down the walls.

- High quality designer finish
- Designed to supply air into your home, by pushing the air along the ceiling and down the walls
- White

## 600MM LIFESTYLE CANOPY, WHITE, LED

Safe, clean and clear. Parmco's ventilation options allow you to create the healthiest atmosphere for you and your family and we do it with maximum style.

This sleek control panel is easy to use and offers a selection of fan speeds that easily remove steam and cooking smells. Operated by a separate control button, the LED lights provide illumination over the entire cooking surface. The aluminium filters effectively catch grease and are designed to be easily removable, easily cleanable and dishwasher safe. Also, exclusive to Parmco is the "remote motoring" option which will significantly reduce noise!



## PRO-SERIES MIXED FLOW FANS

- These powerful inline mixed flow fans have been designed to produce higher working pressures for applications that require higher airflows with low relative noise levels
- Multiple speed options
- Supported by a four year warranty or 30,000 continuous hours

## FULLY ADJUSTABLE RUN-ON FAN TIMERS

A fan timer is a safer option to keep removing steam after you leave a bathroom, compared to leaving a window open.

- Switches Fans from 200W down to 20W
- Adjustable Run On Time & Start Delay.
- Timing adjustable from 1 Sec to 90 Mins.
- Includes resistor for use with lower wattage fans 50W-20W



## ROOF COWL KITS WITH FLASHING TUBE

- Includes Cowl & 0.5m tube
- Contains flashing for metal based roofs
- All fittings supplied
- Lead roof flashing is available for concrete tile roofs (DCT0190) at an additional cost



# HEAT PUMP

---

*The all new Shorai R32 range of residential heat pumps is another level of technology that has been developed for your lifestyle today, tomorrow and in the future. The new modern design creates fresh air to better the quality of life with less energy consumption, and easier control with just one touch. An advanced technology that you can breathe, touch and experience. The range incorporates a new fresh design with smooth blended lines and rounded corners which will fit seamlessly into any interior.*

### **Superior Indoor Air Quality**

Superior Toshiba indoor air quality is guaranteed with the Shorai R32, which feature special self-cleaning fins and a magic non-stick coil to prevent moisture build-up and formation of mold. The air is kept fresh by the fan, which continues to run after the unit is switched off. This feature ensures a long lasting cleaning coil that produces clean and fresh air, lower energy consumption and less cleaning saving on maintenance costs.

### **Aqua Resin Coated Coil + Self-Cleaning System**

Heat Pumps can get very dirty inside, collecting bacteria and allergens. Aqua resin coated coil reduces the formation of water and oil on the coil unit as well as minimise dust accumulating on the coil. Self-cleaning system - the heat pump will run on slow-speed for 20 minutes to dry the coil, which will effectively prevent any odour, mould and germs

### **Easy Maintenance & Easy Clean**

All the components are designed for easy maintenance both in removal and re-assembly. Step by step maintenance procedures have never been easier. All you need to do is simply wash out the dirt with running water or use a vacuum cleaner to clean the filter. Always keep your air clean and fresh with simple and easy care.

### **Efficient 3D Airflow – 6 Airflow Patterns**

Improved comfort by distributing powerful and stable air volume in 6 unique air flow patterns. The indoor unit provides further air flow and stable air volume in 6 unique patterns to ensure optimum comfort levels. Independent louvers improve comfort with a selection of powerful air flow shower settings to evenly distribute the air flow, maintaining a consistent and comfortable temperature.

### **Maximum Air Flow**

The Shorai R32 range comes with a new design to further increase your comfort. It has a 13% bigger fan coil, delivering stronger and quieter airflow. The result is maximum air flows that heat and cool the entire room quickly.

### **Smart Control at your Fingertips**

Designed to maximise your comfort, the Shorai offers remote controller functions that make everyday life simpler. It is a truly intuitive system, nothing could be simpler to use. It restarts automatically after a power failure, and runs its own diagnostics. There is also the option to wire the remote without losing any functionality.



## PRICELIST

*Toshiba Shorai 5.8kw heat, 4.8kw cool heatpump supplied and installed back to back unit*

Item	Quantity
Tools and Useable for heatpumps	1.00
MAR AIR CONDITIONING DUCT CORNER 80mm	1.00
MAR AIR CONDITIONING DUCT ELBOW 80mm	1.00
MAR AIR CONDITIONING DUCT FLEX joint 80mm	1.00
MAR AIR CONDITIONING DUCT PIPE 80mm x 2m	1.00
MAR AIR CONDITIONING DUCT WALL cap 80mm	1.00
MAR AIR CONDITIONING DUCT JOINT 80mm	1.00
TOTALINE CONDENSER WALL BRACKET POWDER COATED 200KG	0.5
TOTALINE CONDENSER SLAB 1230MM X570MM X 50MM	0.5
1.5mm TPS three core + earth (MT)	4
PAIRCOIL INSULATED COPPER TUBE 1/4 and 1/2 (20m)	0.2
TOTALINE FLEXIBLE DUAL LAYER DRAIN HOSE 16MM (50M ROLL)	0.07
Toshiba Shorai Heatpump 5.8kw heat, 4.8kw cool	1
Labour (2 techs, 4 hours)	8
<i>Total (inc. GST) \$3,200</i>	

*Toshiba Shorai 3.7kw heat, 3.5kw cool heatpump supplied and installed back to back unit*

Item	Quantity
Tools and Useable for heatpumps	1.00
MAR AIR CONDITIONING DUCT CORNER 80mm	1.00
MAR AIR CONDITIONING DUCT ELBOW 80mm	1.00
MAR AIR CONDITIONING DUCT FLEX joint 80mm	1.00
MAR AIR CONDITIONING DUCT PIPE 80mm x 2m	1.00
MAR AIR CONDITIONING DUCT WALL cap 80mm	1.00
MAR AIR CONDITIONING DUCT JOINT 80mm	1.00
TOTALINE CONDENSER WALL BRACKET POWDER COATED 200KG	0.5
TOTALINE CONDENSER SLAB 1230MM X570MM X 50MM	0.5
1.5mm TPS three core + earth (MT)	4
PAIRCOIL INSULATED COPPER TUBE 1/4 and 1/2 (20m)	0.2
TOTALINE FLEXIBLE DUAL LAYER DRAIN HOSE 16MM (50M ROLL)	0.07
Toshiba Shorai Heatpump 3.7kw heat, 3.5kw cool	1
Labour (2 techs, 4 hours)	8
<i>Total (inc. GST) \$2,800</i>	

Power from switchboard to isolator

Item	Quantity
2.5 Cable	12.00
Mcb	1.00
Isolator w/p	1.00
25 saddle	8.00
Marley conduit 4m	1.00
Flex cond	2.00
Straight gland	3.00
Labour	2.00
General useables	1.00
<i>Total (inc. GST) \$305</i>	





# LET'S GET IN TOUCH

---

## TRILECT ELECTRICAL SERVICES

Unit J, 2 Torrens Road, Burswood,  
East Tamaki, Auckland 2013  
(09) 271 2493  
[peter@trilect.co.nz](mailto:peter@trilect.co.nz)  
[www.trilectelectrical.co.nz](http://www.trilectelectrical.co.nz)

