



# New Generation of High Wall Systems

“G” series





# General Specs

- Refrigerant: R-22
- Capacity Range: 9, 12, 18, 24, 30 MBH
- Power Supply: 220/60/1 (all), 115/60/1 (12 MBH)
- All systems are offered in both options: cooling only and heat pump.
- All outdoor units can be order with or without piping kits.
- All 60 Hz systems will be tested under AHRI 210-240 conditions and listed in the directory.
- All systems passed the NOM electrical safety test.
- All new models are compatible to mix-match with Tyler condensers (2TTBs).

# Front Panel

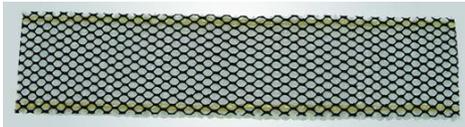


- Trane exclusive design
- Unique all across LAR
- Stylish display indicates set temperature, operation mode, and indoor alarm codes.

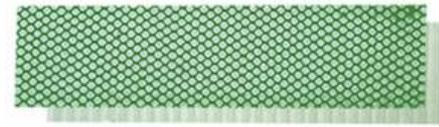
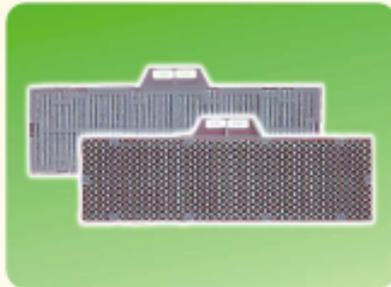
-  : Cool
-  : Dry
-  : Heat
-  : Run
- 88** : Set temp.

# Healthy Filters

- In addition to the regular plastic filter, our new high wall systems are offered with two additional standard filters: a catechin filter and an active carbon filter.



Active carbon is an excellent adsorber with dual characteristics of physical and chemical adsorbing, and it is available to adsorb things in air and liquid selectively. With the advantages of active carbon, this filter is good at adsorbing, and is able to adsorb injurious gas like benzene, formaldehyde and ammonia in a short time.

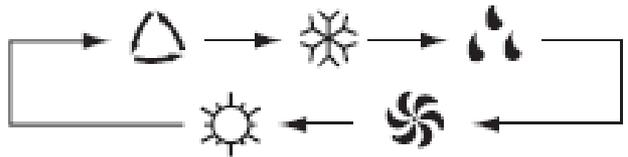


Catechin is an additive with excellent anti-oxidization and powerful sterilization that abstracts from natural green tea. After functions of a series of enzyme, benzene ring is generated to absorb and eliminate odor and injurant in air. Catechin filter is good at long-time sterilizing and filtering dust. Its bacteriosasis to Esherichia coli and Staphylococcus aureus is above 95%.



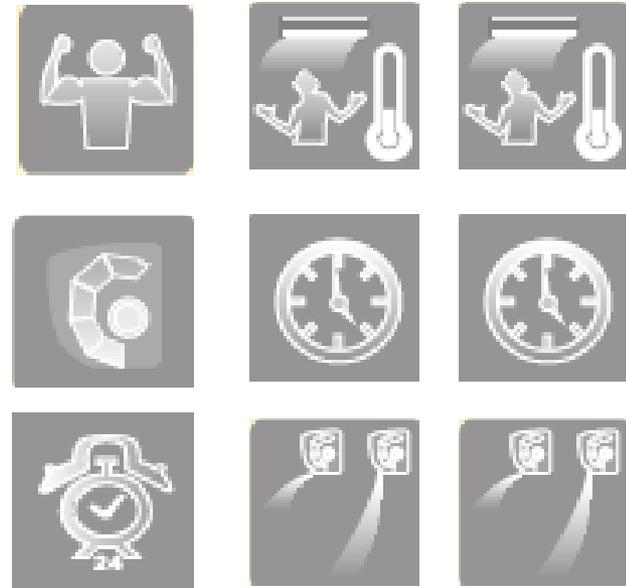
# Wireless Controller



- Displays temperature in Celsius or Fahrenheit (switch by pressing “-” and “Mode” simultaneously)
  - Temp. Range 16 °C to 30 °C
  - Mode: Auto, Cool, Dry, Fan, Heat
- 
- Time setting: 0-24 hours
  - Effective transmitting distance of remote is 10m

# System Features

- “I feel” function:
  - Allows to sense actual temperature on the remote controller to maximize comfort wherever you are.
- Clock function
- Swing function
- Energy efficiency
- Intelligent defrosting
- Compressor protection device
- Turbo function
- Auto clean
- Timer
- Sleep



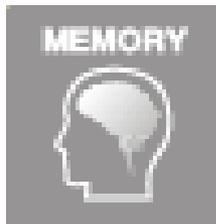
# System Features

## Automatic restart



In case of power supply interruption, when power restored, the unit will run under the previous setting; mode, temperature and fan speed.

### Memory Function



After recover from power failure, system restart in the previous operation mode → No need to reset.

# Outdoor units



- Blue fin:
  - Special anti-corrosion treatment. 1500 hours consecutive salt spray test according to **JISZ2371**. This feature is standard in all heat pump models and optional in cooling only models
- Coil-protecting grille
  - Our new strong hot-dip galvanized steel sticks have no negative impact on airflow.



## Optional Piping Kits



- 5 meters length
- 100% copper pipe
- Insulation included
- Can be shipped with outdoor unit or as a separate kit.

Available with outdoor units with a “P” in the 11<sup>th</sup> digit of the model number



# Sound Level

- New design allows a quiet operation.
  - 9 MBH systems → 28 dB \*
  - 12 MBH systems → 29 dB \*

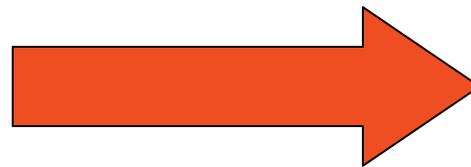


\* Note: Indoor Sound Pressure data obtained in a anechoic room with units operating at low speed.

# Benefits of “G” series



	"E" Series					"G" Series				
<b>Models (MBh)</b>	9	12	18	24	30	9	12	18	24	30
<b>Rated Capacity</b>	9.2	12.8	16	21.5	24.1	8.9	12	18	22	27.2
<b>EER (W/W)</b>	2.8	2.6	2.8	2.6	2.6	3.2	3.1	3.1	2.9	2.8
<b>Air Flow Volume (m3/h) (H)</b>	430	580	800	1050	1150	500	630	850	950	1200
<b>Indoor Sound Level (dB) (L)</b>	32	31	36	38	44	28	29	35	37	42
<b>Maximum Piping Length (m)</b>	10	10	15	20	20	15	20	25	25	30
<b>Maximum Height (m)</b>	5	5	8	10	10	10	10	10	10	10



- Higher Capacity
- Higher Efficiency
- Lower Sound Level
- More Flexibility

# Model Numbers – 60 Hz



<b>Standard Efficiency</b>	<b>Cooling Only</b>	
	2MCW0509G1000AA	2TTK0509G1000AA
	2MCW0512G1000AA	2TTK0512G1000AA
	2MCW0512G9000AA	2TTK0512G9000AA
	2MCW0518G1000AA	2TTK0518G1000AA
	2MCW0524G1000AA	2TTK0524G1000AA
	2MCW0530G1000AA	2TTK0530G1000AA
	<b>Heat Pump</b>	
	2MWW0509G1000AA	2TWK0509G1000AA
	2MWW0512G1000AA	2TWK0512G1000AA
	2MWW0512G9000AA	2TWK0512G9000AA
	2MWW0518G1000AA	2TWK0518G1000AA
	2MWW0524G1000AA	2TWK0524G1000AA
2MWW0530G1000AA	2TWK0530G1000AA	



- Condensers with piping kits have a “P” in the 11<sup>th</sup> digit
- C/O condensers with anti-corrosion protection will have a “C” in the 13<sup>th</sup> digit.

# Certifications



- The FACTORY that manufactures the new generation of Trane High Wall systems has the following certifications:
  - ISO 14001: 2004
  - ISO 9001: 2000
  - OHSAS 18001: 1999
  - CNAL/AC01 : 2003
  - ISO/IEC 17025 : 1999
- The FACTORY also has certified laboratories to perform testing on safety and efficiency according to UL.





# Mix-Matching

- The following combinations are approved for mix-matching.
  - 2MCW0512G1000AA - 2TTB0012A1000A
  - 2MCW0518G1000AA - 2TTB0018A1000A
  - 2MCW0524G1000AA - 2TTB0024A1000A
  - 2MCW0530G1000AA - 2TTB0030A1000C
- All these combinations will be listed on the AHRI directory.





# Commercialization Documents



# Sales Pieces



- 4-page brochure.
- Available in English, Spanish and Portuguese.
- Different pieces for 50 and 60 Hz systems.



# AHRI Certificates



## Certificate of Product Ratings

---

**AHRI Certified Reference Number:** 4214673      **Date:** 9/8/2010      **Exclusively for Export**

**Product:** Split System: Air-Cooled Condensing Unit, Coil with Blower, (Free Delivery)  
**Outdoor Unit Model Number:** ZTTK0612G1  
**Indoor Unit Model Number:** 2MCW0612G1  
**Manufacturer:** TRANE  
**Trade/Brand name:** TRANE

**Manufacturer responsible for the rating of this system combination is TRANE**

**Rated as follows:** In accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	12000
EER Rating (Cooling):	10.40
SEER Rating (Cooling):	10.00



---

\* Ratings followed by an asterisk (\*) indicate a voluntary reuse of previously published data, unless accompanied with a WAD, which indicates an involuntary reuse.

**DISCLAIMER**  
AHRI does not endorse the product(s) listed on this Certificate and makes no representations, warranties or guarantees as to, and assumes no responsibility for, the product(s) listed on this Certificate. AHRI expressly disclaims all liability for damages of any kind arising out of the use or performance of the product(s), or the unauthorized alteration of data listed on this Certificate. Certified ratings are valid only for models and configurations listed in the directory at [www.ahridirectory.org](http://www.ahridirectory.org).

**TERMS AND CONDITIONS**  
This Certificate and its contents are proprietary products of AHRI. This Certificate shall only be used for individual, personal and confidential reference purposes. The contents of this Certificate may not, in whole or in part, be reproduced, copied, disseminated, entered into a computer database, or otherwise utilized, in any form or manner or by any means, except for the user's individual, personal and confidential reference.

**CERTIFICATE VERIFICATION**  
The information for the model cited on this certificate can be verified at [www.ahridirectory.org](http://www.ahridirectory.org). click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.

©2010 Air-Conditioning, Heating, and Refrigeration Institute



**AHRI** Air-Conditioning, Heating, and Refrigeration Institute

**CERTIFICATE NO.:** 129284334094090490

- All 60 Hz combinations have been listed in the AHRI directory.
- Certificates available in [www.ahridirectory.org](http://www.ahridirectory.org)

# Submittals



**Submittal Data: 4MXW8509A1 - 4TXK8509A1**      **4MXW8509A1 Heat Pump System**

Job Name: \_\_\_\_\_ Location: \_\_\_\_\_ Date: \_\_\_\_\_  
 Purchaser: \_\_\_\_\_ Engineer: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_ For  Reference  Approval  Construction  
 Unit Destination: \_\_\_\_\_ Schedule No: \_\_\_\_\_

SPECIFICATIONS		GENERAL FEATURES	
Rated Capacity @45°F (kW/ft)	920/3	Coil type (R/C/O)	Aluminum Fin-cooper tube
Minimum Capacity	44/0	Filter	Mesh Filter
Maximum Capacity	109/0	Operating Range (outdoor ambient)	cooling 18°C(64°F) heating (-18)°(-0.4°F)
SEER	21	Auto restart	Yes
HEATING		Refr	Electric Expansion Valve
Rated Capacity @45°F (kW/ft)	920/3		
Rated Capacity @17°F (kW/ft)	830/3		
Minimum Capacity	32/0		
Maximum Capacity	111/0		
HP/FT	8.8		

**ELECTRICAL CHARACTERISTICS**

Power Supply: 208-230V  
 Breaker Size: 15A  
 B.A. Configuration (Phase): 4-0-0  
 Controls: Wireless

**INDOOR UNIT**

Airflow (Free Inlet with Tach): \_\_\_\_\_  
 Cooling (per coil): 893/66(+33.37)  
 Heating (per coil): 893/66(+33.37)  
 Noise Level (dBA) (Free Inlet with Tach): 38.75/36.25  
 Fan Motor Amps: 0.39







Trane optimizes the performance of homes and buildings around the world. A business of Ingersoll Rand, the leader in creating and sustaining safe, comfortable and energy efficient environments, Trane offers a broad portfolio of advanced controls and HVAC systems, comprehensive building service, and parts. For more information, visit [www.trane.com](http://www.trane.com).

© 2011 Trane. All rights reserved.  
 4MXW8509A1-010-00-01-00-000

Published on 20% post-consumer recycled paper, which meets secondary recycled fiber content and other green goals.

**DIMENSIONS: 4MXW8509A1 - 4TXK8509A1**

Unit: mm

**4MXW8509A1**

Installation plate

Space to the ceiling

60mm

Space to the wall

Space to the floor

• The dimensions of the space necessary for correct installation of the appliance include 60mm clearance with electrical conduits and pipes on both sides of the unit.

**4TXK8509A1**

**REQUIRED SPACE**

60mm or more without any obstruction in front and on both sides of the unit.

Trane optimizes the performance of homes and buildings around the world. A business of Ingersoll Rand, the leader in creating and sustaining safe, comfortable and energy efficient environments, Trane offers a broad portfolio of advanced controls and HVAC systems, comprehensive building service, and parts. For more information, visit [www.trane.com](http://www.trane.com).

© 2011 Trane. All rights reserved.  
 4TXK8509A1-010-00-01-00-000

Published on 20% post-consumer recycled paper, which meets secondary recycled fiber content and other green goals.

- Submittals will be available for all matched systems