



SINGLE ZONE WALL MOUNTED HEAT PUMP SYSTEM

| | | |
|------------------------------|---------|--------------|
| TW09HQ3C2A | | |
| Indoor Unit | | TW09HQ3C2AI |
| Outdoor Unit | | TW09HQ3C2AO |
| Performance | | |
| Cooling Rated Capacity | Btu/h | 9,000 |
| Cooling Cap. Range Min-Max | Btu/h | 2,764~9,724 |
| SEER/EER | | 18.0/10.00 |
| Heating Rated Capacity(47°F) | Btu/h | 9,500 |
| Heating Rated Capacity(17°F) | Btu/h | 5,400 |
| Heating Cap. Range Min-Max | Btu/h | 2,081~12,283 |
| HSPF/COP | | 9.0/3.2 |
| Electrical | | |
| Voltage, Phase, Cycle | V-Ph-Hz | 115-1-60 |
| Voltage Range | V | 103~127 |
| MCA | A | 17.0 |
| MOP | A | 25 |
| Compressor RLA | A | 12.62 |
| Fan Motor FLA | A | 0.24 |
| Cooling Power Input | W | 900 |
| Heating Power Input | W | 870 |
| Piping | | |
| Pipe Length Min-Max | ft | 10~66 |
| Piping Lift | ft | 33 |
| Liquid Line | in | 1/4 |
| Vapor Line | in | 3/8 |
| Connection Type | | Flare |



| | | |
|--------------------------------------|--------|--------------------|
| Operating Range | | |
| Cooling Outdoor DB | °F | 0~115 |
| Heating Outdoor DB | °F | -4~75 |
| System Data | | |
| Compressor Type | | DC Inverter Rotary |
| Refrigerant Type | | R410A |
| Pre-Charge | oz | 24.7 |
| Pre-Charge Length | ft | 25 |
| Additional Charge | oz/ft | 0.2 |
| Refrigerant Control | | EXV |
| ODU Sound Pressure (Cooling/Heating) | dB(A) | 52/52 |
| IDU Sound Pressure (Min/Max) | dB(A) | 28/43 |
| IDU Airflow Volume | cfm | 171/318 |
| Dehumidification | pts/hr | 1.69 |



| | | | |
|--------------|--|-------|--|
| Job Name: | | Date: | |
| Reference #: | | | |
| Signature: | | | |

TOSOT NORTH AMERICA
 930W 21ST STREET, CHICAGO IL 60608
 TEL: +1(312)800-8455
 EMAIL: SALES@TOSOT-NA.COM



| COOLING PERFORMANCE* | | | | | | |
|-----------------------------|----------------------------------|-------|---------|-------|---------|-------|
| Outdoor Ambient DB | Indoor Entering Air Temperatures | | | | | |
| | 68°F DB | | 73°F DB | | 80°F DB | |
| | 57°F WB | | 61°F WB | | 67°F WB | |
| | TC | SHC | TC | SHC | TC | SHC |
| 0°F | 5,596 | 4,057 | 5,890 | 4,270 | 6,200 | 4,495 |
| 5°F | 6,567 | 4,794 | 6,913 | 5,046 | 7,276 | 5,312 |
| 14°F | 6,735 | 4,950 | 7,090 | 5,211 | 7,463 | 5,485 |
| 23°F | 6,908 | 5,112 | 7,272 | 5,381 | 7,654 | 5,664 |
| 32°F | 7,085 | 5,278 | 7,458 | 5,556 | 7,851 | 5,849 |
| 41°F | 7,267 | 6,450 | 7,649 | 5,737 | 8,052 | 6,039 |
| 50°F | 7,453 | 6,627 | 7,845 | 5,923 | 8,258 | 6,235 |
| 59°F | 7,644 | 5,810 | 8,047 | 6,115 | 8,470 | 6,437 |
| 68°F | 7,840 | 5,998 | 8,253 | 6,313 | 8,687 | 6,646 |
| 77°F | 8,041 | 6,192 | 8,465 | 6,518 | 8,910 | 6,861 |
| 86°F | 8,407 | 6,515 | 8,849 | 6,858 | 9,315 | 7,219 |
| 95°F | 8,123 | 6,336 | 8,550 | 6,669 | 9,000 | 7,020 |
| 104°F | 7,919 | 6,217 | 8,336 | 6,544 | 8,775 | 6,888 |
| 113°F | 7,721 | 6,100 | 8,128 | 6,421 | 8,556 | 6,759 |
| HEATING PERFORMANCE* | | | | | | |
| Outdoor Ambient DB | Indoor Ambient Temperature | | | | | |
| | 68°F DB | | 73°F DB | | 80°F DB | |
| | 57°F WB | | 61°F WB | | 67°F WB | |
| | TC | TC | TC | TC | TC | TC |
| -31°F | / | / | / | / | / | / |
| -22°F | 4,365 | 4,269 | 4,043 | 4,043 | 4,043 | 4,043 |
| -13°F | 4,458 | 4,365 | 4,149 | 4,149 | 4,149 | 4,149 |
| -4°F | 4,501 | 4,458 | 4,247 | 4,247 | 4,247 | 4,247 |
| 0°F | 4,878 | 4,832 | 4,599 | 4,599 | 4,599 | 4,599 |
| 6°F | 5,146 | 5,000 | 4,851 | 4,851 | 4,851 | 4,851 |
| 10°F | 5,360 | 5,308 | 5,054 | 5,054 | 5,054 | 5,054 |
| 17°F | 5,522 | 5,400 | 5,205 | 5,205 | 5,205 | 5,205 |
| 19°F | 6,048 | 6,432 | 5,702 | 5,702 | 5,702 | 5,702 |
| 24°F | 6,832 | 7,323 | 6,900 | 6,900 | 6,900 | 6,900 |
| 32°F | 9,455 | 8,539 | 7,675 | 7,675 | 7,675 | 7,675 |
| 41°F | 9,595 | 9,706 | 9,133 | 9,133 | 9,133 | 9,133 |
| 43°F | 9,754 | 9,813 | 9,428 | 9,428 | 9,428 | 9,428 |
| 47°F | 9,691 | 9,600 | 9,109 | 9,109 | 9,109 | 9,109 |
| 53°F | 9,383 | 9,494 | 8,921 | 8,921 | 8,921 | 8,921 |
| 59°F | 9,215 | 9,328 | 8,753 | 8,753 | 8,753 | 8,753 |
| 64°F | 8,789 | 8,901 | 8,325 | 8,325 | 8,325 | 8,325 |
| 70°F | 8,469 | 8,581 | 8,005 | 8,005 | 8,005 | 8,005 |
| 75°F | 8,042 | 8,154 | 7,578 | 7,578 | 7,578 | 7,578 |
| 78°F | 7,828 | 7,941 | 7,365 | 7,365 | 7,365 | 7,365 |

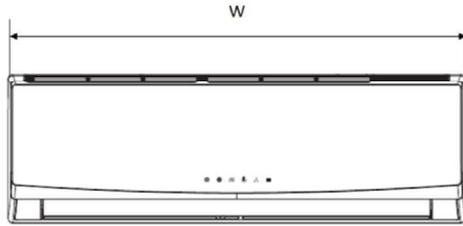
* Maximum System Capacity

TC - Total Capacity(Btu/h)

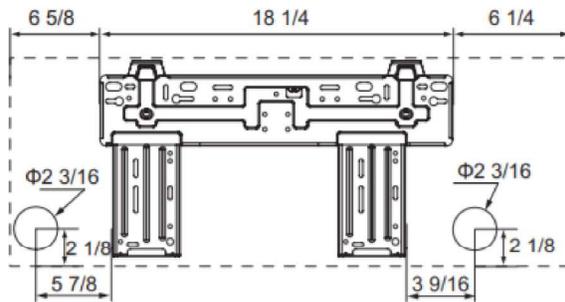
SHC - Sensible Capacity(Btu/h)



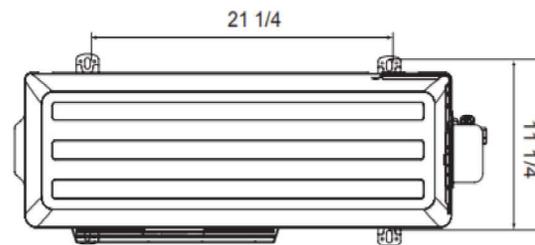
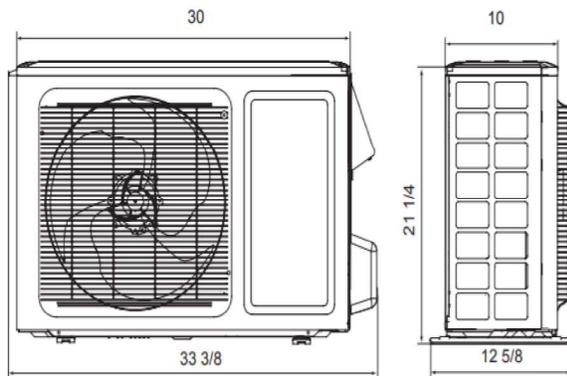
INDOOR & OUTDOOR UNIT DIMENSIONS



| Dimensions | |
|------------|----------|
| W | 31 1/8 |
| H | 10 13/16 |
| D | 7 7/8 |



| | |
|-------------------|------------------|
| Liquid Line Valve | 1/4-in OD Flared |
| Gas Line Valve | 3/8-in OD Flared |
| Drain Connector | 5/8-in OD |
| Net Weight IDU | 20.9 lb |
| Gross Weight IDU | 25.4 lb |



| | |
|-------------------|------------------|
| Liquid Line Valve | 1/4-in OD Flared |
| Gas Line Valve | 3/8-in OD Flared |
| Net Weight ODU | 62.8 lb |
| Gross Weight ODU | 68.4 lb |

Unit:inch



INSTALLATION DIAGRAM

