

| Heat Pump System | |
|---------------------|---------------------|
| Location: _____ | Approval: _____ |
| Engineer: _____ | Date: _____ |
| Submitted to: _____ | Construction: _____ |
| Submitted by: _____ | Unit #: _____ |
| Reference: _____ | Drawing #: _____ |

| | |
|------------------|--|
| Set Code | 22020330000042 |
| Set Model | ACiQ - 09PTC |
| Certified |   |



| Performance data | | |
|------------------|---------|-------------------|
| Power supply | V-Ph-Hz | 208/230V,1Ph,60Hz |
| Capacity | Btu/h | 8800/8500 |
| EER | W/W | 12.8 |
| Input | W | 680/665 |
| Current | A | 2.99/3.23 |

| Indoor side fan motor | | |
|-----------------------|-------|---------------|
| Model | | YKT-21-6-15L |
| Input | W | 37 |
| Rated current | A | 0.17 |
| Capacitor | uF | 1 |
| Speed(hi/mi/lo) | r/min | 1100/1010/880 |
| Capacitor class | | S3 |
| Insulation class | | B |

| Heating(PTC) | | |
|---------------|-------|-------------|
| Capacity | Btu/h | 10900/8900 |
| Input(Heater) | W | 3535.5/2897 |
| Current | A | 15.3/13.7 |

| Outdoor side fan motor | | |
|------------------------|-------|-------------|
| Model | | YKT-58-4-3L |
| Input | W | 87 |
| Rated current | A | 0.38A/0.42A |
| Capacitor | uF | 3 |
| Speed(hi/mi/lo) | r/min | 1590 |
| Capacitor class | | S3 |
| Insulation class | | B |

| Heating(Heat pump)(Standard conditions) | | |
|---|-------|-----------|
| Capacity | Btu/h | 7800/7500 |
| Input | W | 600/580 |
| Current | A | 2.64/2.82 |
| COP | W/W | 3.80 |

| Air flow and noise level | | |
|---------------------------------------|-------|--------------|
| Indoor side air flow(Hi/Mi/Lo) | m3/h | 657/605/545 |
| Indoor side noise level (Hi/Mi/Lo)(A) | | 52.5/52/51.5 |
| Outdoor side noise level(Hi) | dB(A) | 67.5 |

| Electrical | | |
|------------------|---|-------------|
| Starting current | A | 47.10 |
| Plug type | | LCDI(6-20P) |

| System data | | |
|------------------------------|------------------|----------|
| Refrigerant type (R410A) | Refrigerant type | R410A |
| | kg | 0.87 |
| Design pressure(145psi=1MPa) | oz(1kg=35.274oz) | 30.68838 |
| | psi | 300/540 |

| Compressor | | |
|----------------------------|----|-----------------|
| Model | | ASN68N2VDZB1 |
| Type | | ROTARY |
| Brand | | GMCC |
| Capacity | W | 2280 |
| Input | W | 563 |
| Rated current | A | 2.7 |
| Locked rotor Amp(LRA) | A | 17 |
| Thermal protector | | UP3-43/HPA -630 |
| Thermal protector position | | EXTERNAL |
| Capacitor | uF | 20 |
| Refrigerant oil/oil charge | ml | VG68/270 |

| Dimension and Weight | | |
|----------------------|----|-------------------|
| Dimension(W*D*H) | mm | 1067x532x406 |
| | in | 42.01x20.94x15.98 |
| Packing (W*D*H) | mm | 1130x625x490 |
| | in | 44.49x24.61x19.29 |
| Net/Gross weight | kg | 49.15/54.0 |
| | lb | 108.36/119.05 |

Dimension 1 (no sleeve, no rear grille, no rear net)

| Model | W(inch) | D(inch) | H(inch) |
|--------------|---------|---------|---------|
| ACiQ - 15PTC | 42 | 15.9 | 20.9 |
| ACiQ - 12PTC | 42 | 15.9 | 20.9 |
| ACiQ - 09PTC | 42 | 15.9 | 20.9 |
| ACiQ - 07PTC | 42 | 15.9 | 20.9 |

Dimension 1 (include sleeve, rear grille, and rear net)

| Model | W(inch) | D(inch) | H(inch) |
|--------------|---------|---------|---------|
| ACiQ - 15PTC | 42 | 16.0 | 23.9 |
| ACiQ - 12PTC | 42 | 16.0 | 23.9 |
| ACiQ - 09PTC | 42 | 16.0 | 23.9 |
| ACiQ - 07PTC | 42 | 16.0 | 23.9 |

Unit dimension

