



Compressor  
Voltage Code : TZ

TFH4531F

High Temp. Commercial (HP)

400V 3~ 50Hz / 440V 3~ 60 Hz

R22

AHC4531ETZ

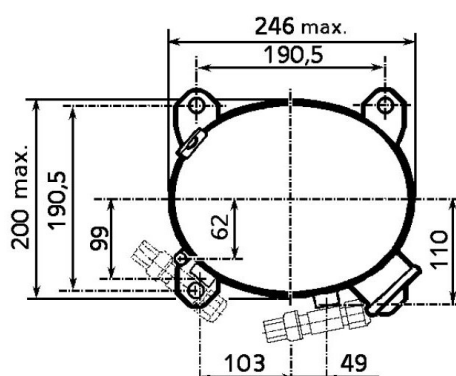
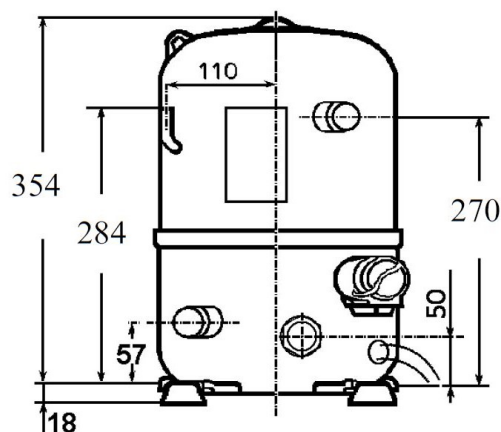
Operating conditions : **Customized... / 50 Hz / Dew**

**Sound Power**  
ISO3745 / ISO 3743-1

Evaporating Temp. : -10.0 °C  
Superheat : 10.0 K  
Return gas temp. : 10.0 °C  
Condensing Temp. : 45.0 °C  
Subcooling : 10.0 K  
Liquid : 34.7 °C

Refrig. Capacity : **4287 Watt**  
  
Power Input : 2025 Watt  
Amps : 3.72 A  
C.O.P : 2.12 Watt/W

71 dBA



Displacement (cc) 56.65  
Net Weight (Kg) 31.0  
Oil Quantity (cc) 1330.0  
Oil Type Mineral  
Expansion Device Capillary\_Tube/Expansion\_Valve  
Cooling Fan  
Main Winding (Ohm) 6.1

Current  
RLA (A) 4.75 | 5.12  
MCC (A) 6.64 | 7.27  
LRA (A) 27 | 31

Electrical Equipment TRI

Overload Interne

Refrigerating connection for OD

Suction Tube 22.2 (7/8")  
Discharge Tube 12.7 (1/2")  
Process Tube 6.35 (1/4")

Certificates :



Note : Tecumseh reserves the right to change information contained in this document without notification.

|                 |  |
|-----------------|--|
| <b>TFH4531F</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|-----------------|--|

|  |                              |
|--|------------------------------|
| Les performances sont données dans les <b>conditions EN12900</b> : | Gaz aspirés : 20.0 °C        |
| Condition Dew  | Sous refroidissement : 0.0 K |
| The performance data are in <b>EN12900 conditions</b> :            | Return gas : 20.0 °C         |
| Dew Condition  | Subcooling : 0.0 K           |

## 50 Hz R22

**N°236JU-T**

| 4   T condensation | 5   T évaporation  | (°C)   | -20  | -15  | -10  | -5   | 0    | 5    | 10   | 15    |
|--------------------|--------------------|--------|------|------|------|------|------|------|------|-------|
| <b>40</b>          | 1   P frigorifique | (Watt) | 2758 | 3625 | 4620 | 5740 | 6980 | 8337 | 9806 | 11382 |
|                    | 2   P absorbée     | (W)    | 1649 | 1827 | 1998 | 2163 | 2320 | 2470 | 2613 | 2750  |
|                    | 3   I absorbée     | (A)    | 3.38 | 3.55 | 3.71 | 3.88 | 4.04 | 4.21 | 4.38 | 4.55  |
| <b>50</b>          | 1   P frigorifique | (Watt) | 2145 | 2908 | 3785 | 4772 | 5864 | 7057 | 8346 | 9725  |
|                    | 2   P absorbée     | (W)    | 1552 | 1810 | 2054 | 2286 | 2506 | 2713 | 2908 | 3090  |
|                    | 3   I absorbée     | (A)    | 3.20 | 3.47 | 3.74 | 4.01 | 4.27 | 4.54 | 4.80 | 5.06  |
| <b>60</b>          | 1   P frigorifique | (Watt) |      | 2151 | 2923 | 3791 | 4748 | 5791 | 6914 | 8110  |
|                    | 2   P absorbée     | (W)    |      | 1791 | 2110 | 2411 | 2694 | 2959 | 3205 | 3435  |
|                    | 3   I absorbée     | (A)    |      | 3.40 | 3.77 | 4.14 | 4.51 | 4.87 | 5.23 | 5.58  |

## 60 Hz R22

**N°236JU-T**

| 4   T condensation | 5   T évaporation  | (°C)   | -20  | -15  | -10  | -5   | 0    | 5    | 10    | 15    |
|--------------------|--------------------|--------|------|------|------|------|------|------|-------|-------|
| <b>40</b>          | 1   P frigorifique | (Watt) | 3295 | 4351 | 5535 | 6844 | 8273 | 9818 | 11474 | 13237 |
|                    | 2   P absorbée     | (W)    | 1569 | 1929 | 2264 | 2575 | 2861 | 3123 | 3360  | 3573  |
|                    | 3   I absorbée     | (A)    | 2.64 | 3.05 | 3.45 | 3.82 | 4.17 | 4.50 | 4.81  | 5.09  |
| <b>50</b>          | 1   P frigorifique | (Watt) | 2557 | 3488 | 4534 | 5689 | 6950 | 8310 | 9766  | 11312 |
|                    | 2   P absorbée     | (W)    | 1461 | 1909 | 2329 | 2723 | 3089 | 3428 | 3740  | 4024  |
|                    | 3   I absorbée     | (A)    | 2.47 | 2.98 | 3.47 | 3.95 | 4.41 | 4.85 | 5.27  | 5.68  |
| <b>60</b>          | 1   P frigorifique | (Watt) |      | 2578 | 3501 | 4519 | 5627 | 6819 | 8091  | 9435  |
|                    | 2   P absorbée     | (W)    |      | 1887 | 2394 | 2871 | 3318 | 3736 | 4123  | 4480  |
|                    | 3   I absorbée     | (A)    |      | 2.92 | 3.51 | 4.08 | 4.65 | 5.20 | 5.74  | 6.27  |

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = evaporating temperature

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