

Condensing unit  
Voltage Code : TZ

# SILAGD2538Z-TZ

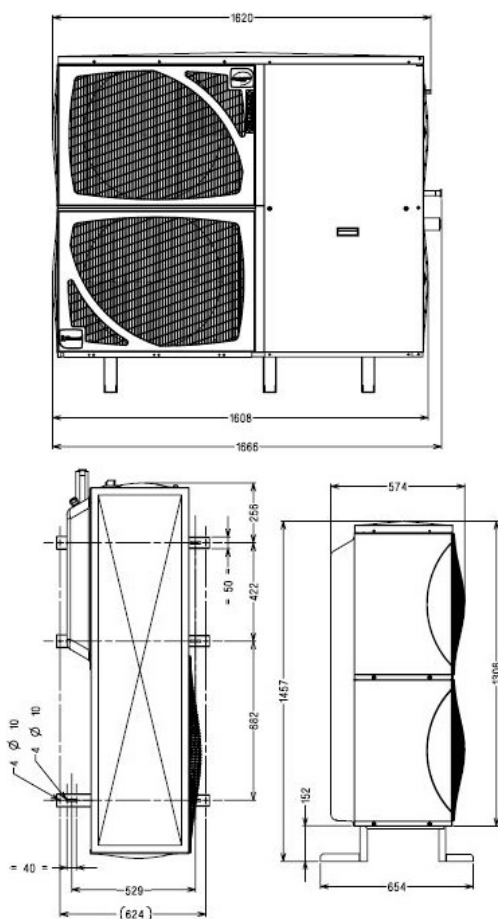
Low Temp. Commercial (BP)

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

R452A / R404A / R448A / R449A

## SILAGD2538Z-TZ

| Conditions      | Frequency     | Nominal Cooling Capacity |               | Sound Power<br>ISO3745 / ISO 3743-1 |
|-----------------|---------------|--------------------------|---------------|-------------------------------------|
|                 |               | Watts                    | BTU/h         |                                     |
| EN13215 / R452A | 50 Hz / 60 Hz | 4491 / 4636              | 15314 / 15808 | 74 dBA                              |
| EN13215 / R404A | 50 Hz / 60 Hz | 5009 / 5179              | 17082 / 17660 |                                     |
| EN13215 / R448A | 50 Hz / 60 Hz | 3431 / 3492              | 11699 / 11907 |                                     |
| EN13215 / R449A | 50 Hz / 60 Hz | 3433 / 3494              | 11706 / 11913 |                                     |



\* EN13215 : T°Ambient 32.0°C / T°Evap. -35.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 3.0K

|                         |                 |
|-------------------------|-----------------|
| <b>Net Weight (Kg)</b>  | 236.0           |
| <b>Expansion device</b> | Expansion_Valve |
| <b>Air Flow (m³/h)</b>  | 6600 / 6600     |
| <b>Compo Data Sheet</b> | 2565            |
| <b>Elec Comp Type</b>   | TRI             |
| <b>Current (Amp)</b>    |                 |
| Load Rated Amp          | 10.8   11.2     |
| Max Cont Current        | 22   24         |
| Lock Rotor Amp          | 90   96         |
| <b>Fan</b>              |                 |
| Speed (rpm)             | 870 / 870       |
| Power (W)               | 180.0           |
| Diameter (mm)           | 500             |
| Protection              | Thermostat      |
| IP Level                | IP44            |
| <b>Condenser</b>        | 2x500/17200     |
| <b>Liquid Receiver</b>  |                 |
| Capacity (L)            | 9.5             |
| Maximum Pressure (Bars) | 32.0            |
| <b>Suction Line</b>     |                 |
| Suction Type            | Tube / Tube     |
| For Tubing Out Diam     | 28.6 (1"1/8)    |
| Suction Connection Type | Brased          |
| <b>Liquid Line</b>      |                 |
| Liquid Line Type        | Tube            |
| For Tubing Out Diam     | 15.9 (5/8")     |
| Liquid Connection Type  | Brased          |
| <b>Connection Type</b>  | TT              |
| <b>Fan Guard</b>        | maille < à 8mm  |

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|                       |                                                  |
|-----------------------|--------------------------------------------------|
| <b>SILAGD2538Z-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|-----------------------|--------------------------------------------------|

|                                                                    |                              |
|--------------------------------------------------------------------|------------------------------|
| Les performances sont données dans les <b>conditions EN13215</b> : | Gaz aspirés : 20.0 °C        |
| Condition Dew                                                      | Sous refroidissement : 3.0 K |
| The performance data are in <b>EN13215 conditions</b> :            | Return gas : 20.0 °C         |
| Dew Condition                                                      | Subcooling : 3.0 K           |

| <b>50 Hz R452A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6756</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 3728       | 5435       | 7504       | 9934       | 12695      | 15722      | 18911      |
|                    | 2   P absorbée     | (W)    | 3387       | 4105       | 4882       | 5733       | 6675       | 7729       | 8917       |
|                    | 3   I absorbée     | (A)    | 9.45       | 10.2       | 11.2       | 12.4       | 13.7       | 15.2       | 16.9       |
|                    | 4   Tc             | (°C)   | 27.7       | 28.6       | 29.7       | 31.0       | 32.8       | 35.0       | 37.8       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2948       | 4491       | 6348       | 8527       | 11007      | 13738      | 16636      |
|                    | 2   P absorbée     | (W)    | 3227       | 3996       | 4824       | 5723       | 6709       | 7801       | 9019       |
|                    | 3   I absorbée     | (A)    | 9.24       | 10.1       | 11.2       | 12.4       | 13.8       | 15.4       | 17.1       |
|                    | 4   Tc             | (°C)   | 34.2       | 35.2       | 36.3       | 37.7       | 39.3       | 41.4       | 44.0       |
| <b>43</b>          | 1   P frigorifique | (Watt) | 1789       | 3064       | 4583       | 6366       | 8411       | 10697      | 13178      |
|                    | 2   P absorbée     | (W)    | 2877       | 3727       | 4637       | 5616       | 6676       | 7833       | 9105       |
|                    | 3   I absorbée     | (A)    | 8.76       | 9.77       | 11.0       | 12.3       | 13.8       | 15.4       | 17.2       |
|                    | 4   Tc             | (°C)   | 44.6       | 45.8       | 46.9       | 48.2       | 49.7       | 51.5       | 53.7       |

| <b>60 Hz R452A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6756</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 3887       | 5798       | 8020       | 10560      | 13394      | 16463      | 19669      |
|                    | 2   P absorbée     | (W)    | 3940       | 4869       | 5844       | 6889       | 8033       | 9307       | 10751      |
|                    | 3   I absorbée     | (A)    | 9.15       | 9.81       | 10.7       | 11.9       | 13.3       | 15.0       | 16.9       |
|                    | 4   Tc             | (°C)   | 32.7       | 33.4       | 34.4       | 35.6       | 37.2       | 39.3       | 42.0       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 2926       | 4636       | 6608       | 8858       | 11374      | 14114      | 17006      |
|                    | 2   P absorbée     | (W)    | 3701       | 4688       | 5724       | 6830       | 8034       | 9364       | 10858      |
|                    | 3   I absorbée     | (A)    | 8.82       | 9.60       | 10.6       | 11.9       | 13.4       | 15.2       | 17.2       |
|                    | 4   Tc             | (°C)   | 39.5       | 40.4       | 41.4       | 42.6       | 44.1       | 46.0       | 48.5       |
| <b>43</b>          | 1   P frigorifique | (Watt) |            | 2881       | 4461       | 6260       | 8291       | 10546      | 13014      |
|                    | 2   P absorbée     | (W)    |            | 4262       | 5403       | 6617       | 7927       | 9358       | 10944      |
|                    | 3   I absorbée     | (A)    |            | 9.22       | 10.5       | 11.9       | 13.6       | 15.5       | 17.7       |
|                    | 4   Tc             | (°C)   |            | 51.5       | 52.5       | 53.7       | 55.0       | 56.7       | 58.8       |

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature

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|                       |                                                  |
|-----------------------|--------------------------------------------------|
| <b>SILAGD2538Z-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|-----------------------|--------------------------------------------------|

|                                                                    |                              |
|--------------------------------------------------------------------|------------------------------|
| Les performances sont données dans les <b>conditions EN13215</b> : | Gaz aspirés : 20.0 °C        |
| Condition Dew                                                      | Sous refroidissement : 3.0 K |
| The performance data are in <b>EN13215 conditions</b> :            | Return gas : 20.0 °C         |
| Dew Condition                                                      | Subcooling : 3.0 K           |

| <b>50 Hz R404A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6755</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 4209       | 6026       | 8216       | 10762      | 13612      | 16674      | 19808      |
|                    | 2   P absorbée     | (W)    | 3628       | 4400       | 5225       | 6117       | 7089       | 8164       | 9368       |
|                    | 3   I absorbée     | (A)    | 10.2       | 10.7       | 11.5       | 12.5       | 13.8       | 15.3       | 17.1       |
|                    | 4   Tc             | (°C)   | 30.4       | 31.4       | 32.5       | 33.8       | 35.5       | 37.6       | 40.4       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 3385       | 5009       | 6957       | 9218       | 11754      | 14489      | 17306      |
|                    | 2   P absorbée     | (W)    | 3503       | 4314       | 5183       | 6120       | 7139       | 8257       | 9498       |
|                    | 3   I absorbée     | (A)    | 9.92       | 10.6       | 11.5       | 12.6       | 13.9       | 15.5       | 17.4       |
|                    | 4   Tc             | (°C)   | 36.8       | 37.9       | 39.1       | 40.4       | 42.0       | 44.0       | 46.6       |
| <b>43</b>          | 1   P frigorifique | (Watt) | 2165       | 3491       | 5062       | 6879       | 8926       | 11155      | 13488      |
|                    | 2   P absorbée     | (W)    | 3215       | 4087       | 5027       | 6040       | 7136       | 8328       | 9637       |
|                    | 3   I absorbée     | (A)    | 9.47       | 10.3       | 11.4       | 12.7       | 14.2       | 15.9       | 17.9       |
|                    | 4   Tc             | (°C)   | 46.8       | 48.2       | 49.5       | 50.9       | 52.4       | 54.1       | 56.3       |

| <b>60 Hz R404A</b> |                    |        |            |            |            |            |            |            |            |
|--------------------|--------------------|--------|------------|------------|------------|------------|------------|------------|------------|
| <b>N°6755</b>      |                    |        |            |            |            |            |            |            |            |
| 5   T ambience     | 6   T évaporation  | (°C)   | <b>-40</b> | <b>-35</b> | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>          | 1   P frigorifique | (Watt) | 4442       | 6445       | 8786       | 11446      | 14370      | 17460      | 20571      |
|                    | 2   P absorbée     | (W)    | 4266       | 5247       | 6275       | 7368       | 8551       | 9855       | 11315      |
|                    | 3   I absorbée     | (A)    | 9.75       | 10.4       | 11.4       | 12.6       | 14.0       | 15.8       | 17.7       |
|                    | 4   Tc             | (°C)   | 35.3       | 36.1       | 37.1       | 38.3       | 39.8       | 41.8       | 44.4       |
| <b>32</b>          | 1   P frigorifique | (Watt) | 3406       | 5179       | 7237       | 9571       | 12140      | 14866      | 17628      |
|                    | 2   P absorbée     | (W)    | 4058       | 5091       | 6177       | 7332       | 8577       | 9938       | 11449      |
|                    | 3   I absorbée     | (A)    | 9.46       | 10.3       | 11.3       | 12.6       | 14.2       | 16.0       | 18.0       |
|                    | 4   Tc             | (°C)   | 41.9       | 43.0       | 44.0       | 45.2       | 46.7       | 48.5       | 50.9       |
| <b>43</b>          | 1   P frigorifique | (Watt) | 1901       | 3320       | 4939       | 6766       | 8784       | 10951      | 13200      |
|                    | 2   P absorbée     | (W)    | 3604       | 4720       | 5901       | 7158       | 8506       | 9967       | 11570      |
|                    | 3   I absorbée     | (A)    | 8.99       | 9.96       | 11.2       | 12.7       | 14.4       | 16.4       | 18.6       |
|                    | 4   Tc             | (°C)   | 52.4       | 53.7       | 54.9       | 56.1       | 57.5       | 59.1       | 61.2       |

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|                       |                                                  |
|-----------------------|--------------------------------------------------|
| <b>SILAGD2538Z-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|-----------------------|--------------------------------------------------|

|                                                                    |                              |
|--------------------------------------------------------------------|------------------------------|
| Les performances sont données dans les <b>conditions EN13215</b> : | Gaz aspirés : 20.0 °C        |
| Condition Dew                                                      | Sous refroidissement : 3.0 K |
| The performance data are in <b>EN13215 conditions</b> :            | Return gas : 20.0 °C         |
| Dew Condition                                                      | Subcooling : 3.0 K           |

| <b>50 Hz R448A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°7063</b>          |                    |        |            |            |            |            |            |
| 5   T ambience         | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>              | 1   P frigorifique | (Watt) | 6106       | 8473       | 11264      | 14429      | 17872      |
|                        | 2   P absorbée     | (W)    | 4606       | 5448       | 6361       | 7363       | 8478       |
|                        | 3   I absorbée     | (A)    | 10.7       | 11.9       | 13.1       | 14.6       | 16.1       |
|                        | 4   Tc             | (°C)   | 31.7       | 32.7       | 33.9       | 35.7       | 38.1       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 5154       | 7275       | 9796       | 12680      | 15851      |
|                        | 2   P absorbée     | (W)    | 4563       | 5451       | 6408       | 7452       | 8604       |
|                        | 3   I absorbée     | (A)    | 10.7       | 11.9       | 13.3       | 14.8       | 16.4       |
|                        | 4   Tc             | (°C)   | 38.3       | 39.3       | 40.6       | 42.2       | 44.5       |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 5539       | 7655       | 10118      | 12879      |
|                        | 2   P absorbée     | (W)    |            | 5370       | 6408       | 7529       | 8749       |
|                        | 3   I absorbée     | (A)    |            | 11.9       | 13.3       | 14.9       | 16.6       |
|                        | 4   Tc             | (°C)   |            | 49.8       | 51.0       | 52.6       | 54.6       |

| <b>60 Hz R448A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°7063</b>          |                    |        |            |            |            |            |            |
| 5   T ambience         | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>              | 1   P frigorifique | (Watt) | 6480       | 8991       | 11913      | 15193      | 18729      |
|                        | 2   P absorbée     | (W)    | 5513       | 6552       | 7667       | 8884       | 10238      |
|                        | 3   I absorbée     | (A)    | 10.3       | 11.4       | 12.8       | 14.4       | 16.2       |
|                        | 4   Tc             | (°C)   | 36.5       | 37.3       | 38.4       | 40.0       | 42.3       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 5335       | 7566       | 10186      | 13156      | 16395      |
|                        | 2   P absorbée     | (W)    | 5413       | 6516       | 7694       | 8969       | 10374      |
|                        | 3   I absorbée     | (A)    | 10.2       | 11.5       | 13.0       | 14.7       | 16.6       |
|                        | 4   Tc             | (°C)   | 43.4       | 44.3       | 45.4       | 46.9       | 49.1       |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 5558       | 7726       |            |            |
|                        | 2   P absorbée     | (W)    |            | 6330       | 7621       |            |            |
|                        | 3   I absorbée     | (A)    |            | 11.6       | 13.2       |            |            |
|                        | 4   Tc             | (°C)   |            | 55.3       | 56.4       |            |            |

|                                                                                                                                                                                    |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| <b>1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature</b>                                             |  |  |  |  |  |  |  |
| (*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de refoulement élevée pour les applications LBP. |  |  |  |  |  |  |  |
| (*) Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.            |  |  |  |  |  |  |  |
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|                       |                                                  |
|-----------------------|--------------------------------------------------|
| <b>SILAGD2538Z-TZ</b> | <b>Tension TZ : 400V 3~ 50Hz / 440V 3~ 60 Hz</b> |
|-----------------------|--------------------------------------------------|

|                                                                    |                              |
|--------------------------------------------------------------------|------------------------------|
| Les performances sont données dans les <b>conditions EN13215</b> : | Gaz aspirés : 20.0 °C        |
| Condition Dew                                                      | Sous refroidissement : 3.0 K |
| The performance data are in <b>EN13215 conditions</b> :            | Return gas : 20.0 °C         |
| Dew Condition                                                      | Subcooling : 3.0 K           |

| <b>50 Hz R449A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°6837</b>          |                    |        |            |            |            |            |            |
| 5   T ambience         | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>              | 1   P frigorifique | (Watt) | 6109       | 8479       | 11272      | 14440      | 17887      |
|                        | 2   P absorbée     | (W)    | 4606       | 5448       | 6361       | 7363       | 8478       |
|                        | 3   I absorbée     | (A)    | 10.7       | 11.9       | 13.1       | 14.6       | 16.1       |
|                        | 4   Tc             | (°C)   | 31.7       | 32.7       | 33.9       | 35.7       | 38.1       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 5157       | 7280       | 9802       | 12689      | 15863      |
|                        | 2   P absorbée     | (W)    | 4563       | 5451       | 6408       | 7452       | 8604       |
|                        | 3   I absorbée     | (A)    | 10.7       | 11.9       | 13.3       | 14.8       | 16.4       |
|                        | 4   Tc             | (°C)   | 38.3       | 39.3       | 40.6       | 42.2       | 44.5       |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 5542       | 7659       | 10123      | 12886      |
|                        | 2   P absorbée     | (W)    |            | 5370       | 6408       | 7529       | 8749       |
|                        | 3   I absorbée     | (A)    |            | 11.9       | 13.3       | 14.9       | 16.6       |
|                        | 4   Tc             | (°C)   |            | 49.8       | 51.0       | 52.5       | 54.5       |

| <b>60 Hz R449A (*)</b> |                    |        |            |            |            |            |            |
|------------------------|--------------------|--------|------------|------------|------------|------------|------------|
| <b>N°6837</b>          |                    |        |            |            |            |            |            |
| 5   T ambience         | 6   T évaporation  | (°C)   | <b>-30</b> | <b>-25</b> | <b>-20</b> | <b>-15</b> | <b>-10</b> |
| <b>25</b>              | 1   P frigorifique | (Watt) | 6484       | 8996       | 11921      | 15205      | 18744      |
|                        | 2   P absorbée     | (W)    | 5513       | 6552       | 7667       | 8884       | 10238      |
|                        | 3   I absorbée     | (A)    | 10.3       | 11.4       | 12.8       | 14.4       | 16.2       |
|                        | 4   Tc             | (°C)   | 36.5       | 37.3       | 38.4       | 40.0       | 42.3       |
| <b>32</b>              | 1   P frigorifique | (Watt) | 5338       | 7571       | 10193      | 13165      | 16406      |
|                        | 2   P absorbée     | (W)    | 5413       | 6516       | 7694       | 8969       | 10374      |
|                        | 3   I absorbée     | (A)    | 10.2       | 11.5       | 13.0       | 14.7       | 16.6       |
|                        | 4   Tc             | (°C)   | 43.4       | 44.3       | 45.4       | 46.9       | 49.0       |
| <b>43</b>              | 1   P frigorifique | (Watt) |            | 5560       | 7729       |            |            |
|                        | 2   P absorbée     | (W)    |            | 6330       | 7621       |            |            |
|                        | 3   I absorbée     | (A)    |            | 11.6       | 13.2       |            |            |
|                        | 4   Tc             | (°C)   |            | 55.3       | 56.4       |            |            |

|                                                                                                                                                                                    |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| <b>1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature</b>                                             |  |  |  |  |  |  |  |
| (*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de refoulement élevée pour les applications LBP. |  |  |  |  |  |  |  |
| (*) Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.            |  |  |  |  |  |  |  |
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