| Model(s): FDC140VSA-W | / | FDE140 | √H | | | | | |
|---|--|------------|---------------------------------|---|---------------|-------------------|---------------------|------|
| Outdoor side heat exchanger of air co | nditioner : | air | | | | | | |
| Indoor side heat exchanger of air cond | ditioner : | air | | | | | | |
| Type: vapour compression | | | | | | | | |
| if applicable : electric motor | | | | | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | I | Value | Unit |
| Rated cooling capacity | | | | Seasonal space | • | | | |
| | Prated,c | 13.6 | kW | cooling energy | η s,c | | 227.6 | % |
| | | | | efficiency | | | | |
| Declared cooling capacity for part load | d at given ou | tdoor tem | peratures | Declared energy | efficiency ra | atio or gas utili | zation efficiency / | • |
| Tj and indoor 27°C/19°C(dry/wet bulb) | auxiliary energy factor for part load at given outdoor temperatures Tj | | | | | | | |
| , | | | | | | · · | • | • |
| Tj=+35°C | Pdc | 13.6 | kW | Tj=+35°C | EERd or | | |]_, |
| | | | 4 | 1,7 700 0 | | n / AEFc,bin | 269.0 | % |
| Tj=+30°C | Pdc | 10.0 | kW | Tj=+30°C | EERd or | .,,,=: 0,0 | | |
| | | | 4 | ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | n / AEFc,bin | 420.0 | % |
| Tj=+25°C | Pdc | 6.4 | kW | Tj=+25°C | EERd or | 17 7121 0,5111 | | 1 |
| • | | | _ | 11,=123 0 | | n / AEFc,bin | 682.0 | % |
| Tj=+20°C | Pdc | 3.1 | kW | Tj=+20°C | EERd or | I / ALI C,DIII | | - |
| ., | | |] | 1]=+20 C | | , / AFFa bin | 1034.0 | % |
| Dogradation | | | 7 | | GUEC,DII | n / AEFc,bin | | J |
| Degradation coefficient for | Cdo | 0.25 | | | | | | |
| | Cdc | 0.20 | - | | | | | |
| air conditioners** | | | | | | | | |
| | | | | | | | | |
| Down appropriate in other than local | ve medel | | | | | | | |
| Power consumpiton in other than 'acti | ve mode | | | | | | | |
| Off mode | P _{OFF} | 0.008 | kW | Crankcase heater | r mode | P _{CK} | 0.005 | kW |
| Thermostat-off mode | P _{TO} | 0.030 | kW | Standby mode | mode | P _{SB} | 0.008 | kW |
| The mostat on mode | 10 | 0.030 | | Glaridady mode | | , SB | 0.000 |][[] |
| Othor items | | | | | | | | |
| Other items | | | | For air to air air a | andition on | | | 1 |
| Capacity control | | variable | J | For air-to-air air c | | | 4,500 | m3/h |
| Capacity Control | | Variable |] | air flow-rate,outdo | oor measure | ea | |] |
| | | | 1 | | | | | |
| Sound power level, | L_WA | 72.0 | dB | | | | | |
| outdoor | | | _ | | | | | |
| | | | ٦ ا | | | | | |
| If engine driven: | NOx | | mg/kWh | | | | | |
| Emissions of nitrogen | *** | - | fuel input | | | | | |
| oxides | | | GCV | | | | | |
| | | | | | | | | |
| | | | ٦. ۵. ا | | | | | |
| GWP of the | | 675 | kg CO _{2eq} (100years) | | | | | |
| refrigerant | | | (100years) | | | | | |
| | | | | | | | | |
| 1 | | | | | | | | |
| | shi heavy ind | | • | | | | | |
| ** If Cdc is not determined by measure | ement then t | he default | degradation | n coefficient air con | ditioners sh | nall be 0,25. | | |
| *** from 26 September 2018 | | | | | | | | |
| Where information relates to multi-spi | It air conditio | nare tha t | act recult an | nd nerformance data | a ha ohtaine | ad on the hasi | s of the performan | 200 |

Where information relates to multi-spilt air conditioners, the test result and performance data be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

| Information to identify the model(s) to w Outdoor side heat exchanger of heat pu | | formation r | elates : | FDC140VSA-W / | FDE140VH | | | | | | | |
|--|----------------------|----------------------|--|---|------------------------------|----------------------|--------|--|--|--|--|--|
| Indoor side heat exchanger of heat pur | | air | | | | | | | | | | |
| Indication if the heater is equipped with a supplementary heater : No | | | | | | | | | | | | |
| if applicable : electric motor | | · | | ((b | I d I C | C1 | | | | | | |
| Parameters shall be declared for the ave | erage neat Symbol | ting seasoi Value | n , paramete Unit | ers for the warmer and litem | Symbol Symbol | e optional. Value | Unit | | | | | |
| Rated heating capacity | Зуппоот | Value | Offic | Seasonal space | Зупівої | Value | Offic | | | | | |
| | Prated,h | | kW | heating energy efficiency | η s,h | 166.6 | % | | | | | |
| Declared heating capacity for part load at indoor temperature 20°C and outdoor temperature Tj | | | Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj | | | | | | | | | |
| T _j =-7°C | Pdh | 9.2 | kW | T _j =-7°C | COPd or GUEh,bin / AEFh,t | 290.0 | % | | | | | |
| T _j =+2°C | Pdh | 5.6 | kW | T _j =+2°C | COPd or GUEh,bin / AEFh,k | 410.0 | % | | | | | |
| T _j =+7°C | Pdh | 3.6 | kW | T _j =+7°C | COPd or GUEh,bin / AEFh,k | 540.0 | % | | | | | |
| T _j =+12°C | Pdh | 3.0 | kW | T _j =+12°C | COPd or GUEh,bin / AEFh,t | 675.0 | % | | | | | |
| T _{biv} =bivalent temperature | Pdh | 10.5 | kW | T _{biv} =bivalent temperature | COPd or GUEh,bin / AEFh,ł | 250.0 | % | | | | | |
| T _{OL} =operation limit | Pdh | 7.9 | kW | T _{OL} =operation limit | COPd or GUEh,bin / AEFh,t | 210.0 | % | | | | | |
| For air-to-water heat pumps : T _j =-15°C | Pdh | - |]kW | For air-to-water heat pumps:T _j =-15°C | COPd or GUEh,bin / AEFh,k | - | % | | | | | |
| (if T _{OL} <-20°C) | | | ٦ | (if T _{OL} <-20°C) | | | - | | | | | |
| Bivalent temperature | T _{biv} | -10.0 |]°C | For water-to-air heat pumps:Operation limit | - | °C | | | | | | |
| Degradation | | | | T _{ol} temperature | | | | | | | | |
| coefficient | C_dh | 0.25 | - | | | | | | | | | |
| heat pumps** | | |] | | | | | | | | | |
| Power consumpiton in modes other than 'active mode' | | | | Supplementary heater | AINII | - | kW | | | | | |
| Off mode | P_{OFF} | 0.008 | kW | | • | | _ | | | | | |
| Thermostat-off mode | P_{TO} | 0.045 | kW | Type of energy input | | | 1.7.07 | | | | | |
| Crankcase heater mode | P_{CK} | 0.005 | kW | Standby mode | P_SB | 0.008 | kW | | | | | |
| Other items | | | | | | | | | | | | |
| Capacity control | | variable |] | For air-to-air heat pur air flow-rate,outdoor | | 4,380 | m3/h | | | | | |
| Sound power level, outdoor measured | L_WA | 73.0 | dB | For water-/brine-to-ai Rated brine or water outdoor side heat exc | fiow-rate, | - | m3/h | | | | | |
| Emissions of nitrogen oxides(if applicable) | NOx *** | - | mg/kWh fuel input GCV | outdoor side fleat ext | changer | | | | | | | |
| GWP of the refrigerant | | 675 | kg CO _{2eq} (100years) | | | | | | | | | |
| Contact details Mitsubishi heavy industries thermal systems,LTD ** If Cdh is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25. | | | | | | | | | | | | |

Where information relates to multi-spilt air conditioners, the test result and performance data be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

^{***} from 26 September 2018