

**Generator Set Data Sheet**  
**1400 kW Continuous**



**Model:** C1400N6C  
**Frequency:** 60 Hz  
**Fuel Type:** Pipeline Natural Gas  
**Emissions NOx:** EPA NSPS & Non-Road Mobile Factory Certified  
**LT water inlet temp:** 50°C (122°F)  
**HT water outlet temp:** 90°C (194°F)

|   |                  |
|---|------------------|
| <b>Measured sound performance data sheet:</b> | <b>MSP-1007</b>  |
| <b>Prototype test summary data:</b>           | <b>PTS-644</b>   |
| <b>Remote radiator cooling outline:</b>       | <b>0500-5090</b> |

| <b>Fuel Consumption (ISO3046/1)</b>             | <b>See Note</b> | <b>100% of Rated Load</b> | <b>90% of Rated Load</b> | <b>75% of Rated Load</b> | <b>50% of Rated Load</b> |
|---|-----------------|---------------------------|--------------------------|--------------------------|--------------------------|
| Fuel Consumption (LHV) ISO3046/1, kW (MMBTU/hr) | 2,3,5           | 3776 (12.89)              | 3435 (11.73)             | 2923 (9.98)              | 2064 (7.05)              |
| Electrical Efficiency ISO3046/1, percent        | 2,5,10          | 37.1%                     | 36.7%                    | 35.9%                    | 33.9%                    |
| Thermal Efficiency ISO3046/1, percent           | 2,5,17          | 50.4%                     | 50.9%                    | 51.2%                    | 52.0%                    |

**Engine**

|   |   |
|---|---|
| Engine Manufacturer                                       | Cummins                                 |
| Engine Model  | QSK60G                                  |
| Configuration   | V16                                     |
| Displacement, L (cu.in)                                   | 60 (3672)                               |
| Aspiration  | Turbocharged and Charge Air Aftercooled |
| Gross Engine Power Output, kWm (hp)                       | 1443 (1935)                             |
| BMEP, bar (psi)   | 16.1 (234)                              |
| Bore, mm (in)   | 159 (6.25)                              |
| Stroke, mm (in)   | 190 (7.48)                              |
| Rated Speed, rpm  | 1800                                    |
| Piston Speed, m/s (ft/min)                                | 11.4 (2244)                             |
| Compression Ratio   | 11.4:1                                  |
| Lube Oil Capacity, L (qt)                                 | 379 (400)                               |
| Full Load Lubricating oil consumption, g/kWe-hr (g/hp-hr) | 0.15 (0.11)                             |

**Fuel**

|  |                        |
|--|------------------------|
| Gas supply pressure to FSOV inlet, bar (psi) <sup>18</sup> | 0.2 - 0.46 (2.9 - 6.7) |
| Minimum Methane Index                                      | 78                     |

## Starting System(s)

|   |     |
|---|-----|
| Electric Starter Voltage, volts             | 24  |
| Minimum Battery Capacity @ 40°C (104°F), AH | 450 |

## Genset dimensions (see Note 1)

|                               |               |
|-------------------------------|---------------|
| Genset Length, m (ft)         | 5.00 (16.40)  |
| Genset Width, m (ft)          | 2.33 (7.64)   |
| Genset Height, m (ft)         | 2.97 (9.74)   |
| Genset Weight (wet), kg (lbs) | 13924 (30697) |

## Energy data

|  | See Notes | 100% of Rated Load | 90% of Rated Load | 75% of Rated Load | 50% of Rated Load |
|--|-----------|--------------------|-------------------|-------------------|-------------------|
| Continuous Generator Electrical Output<br>kWe @ 1.0 pf | 2,5,10    | 1400               | 1260              | 1050              | 700               |
| Total Heat Rejected in LT Circuit, kW (MMBTU/h)        | 14        | 102 (0.35)         | 92 (0.32)         | 84 (0.29)         | 68 (0.23)         |
| Total Heat Rejected in HT Circuit, kW (MMBTU/h)        | 14        | 925 (3.16)         | 846 (2.89)        | 710 (2.42)        | 497 (1.69)        |
| Unburnt, kW (MMBTU/h)                                  | 14        | 114 (0.39)         | 106 (0.36)        | 93 (0.32)         | 68 (0.23)         |
| Heat Radiated to Ambient, kW (MMBTU/h)                 | 14        | 162 (0.55)         | 147 (0.50)        | 125 (0.43)        | 87 (0.30)         |
| Available Exhaust heat to 120°C, kW (MMBTU/h)          | 14        | 980 (3.34)         | 902 (3.08)        | 787 (2.69)        | 576 (1.97)        |

## Intake air flow

|   |    |              |              |              |              |
|---|----|--------------|--------------|--------------|--------------|
| Intake Air Flow Mass, kg/s (lb/hr)                          | 14 | 2.37 (18817) | 2.14 (16961) | 1.81 (14342) | 1.28 (10183) |
| Intake Air Flow Volume, m <sup>3</sup> /s @ 0°C (scfm)      | 14 | 1.83 (4090)  | 1.65 (3690)  | 1.40 (3130)  | 0.99 (2210)  |
| Maximum Air Cleaner Restriction, mmHG (in H <sub>2</sub> O) | 19 | 18.3 (9.8)   | 18.3 (9.8)   | 18.3 (9.8)   | 18.3 (9.8)   |

## Exhaust air flow

|  |    |              |              |              |              |
|--|----|--------------|--------------|--------------|--------------|
| Exhaust Gas Flow Mass, kg/s (lb/hr)                          | 14 | 2.46 (19486) | 2.21 (17569) | 1.87 (14862) | 1.33 (10556) |
| Exhaust Gas Flow Volume, m <sup>3</sup> /s (cfm)             | 14 | 5.25 (11120) | 4.77 (10100) | 4.10 (8680)  | 3.00 (6350)  |
| Exhaust Temperature After Turbine, °C (°F)                   | 4  | 482 (900)    | 488 (910)    | 501 (934)    | 524 (975)    |
| Max Exhaust System Back Pressure, mmHG (in H <sub>2</sub> O) | 12 | 37.3 (20.0)  | 37.3 (20.0)  | 37.3 (20.0)  | 37.3 (20.0)  |
| Min Exhaust System Back Pressure, mmHG (in H <sub>2</sub> O) | 12 | 0.0 (0.0)    | 0.0 (0.0)    | 0.0 (0.0)    | 0.0 (0.0)    |

## HT cooling circuit

|  |       |            |            |            |            |
|--|-------|------------|------------|------------|------------|
| HT Circuit Engine Coolant Volume, L (gal)                          |       | 182 (48)   | 182 (48)   | 182 (48)   | 182 (48)   |
| HT Coolant Flow @ Max Ext Restriction, m <sup>3</sup> /h (gal/min) | 13,15 | 83 (365)   | 83 (365)   | 83 (365)   | 83 (365)   |
| Maximum HT Engine Coolant Inlet Temp, °C (°F)                      | 6     | 79 (174)   | 80 (176)   | 82 (179)   | 84 (183)   |
| HT Coolant Outlet Temp, °C (°F)                                    | 6     | 90 (194)   | 90 (194)   | 90 (194)   | 90 (194)   |
| Max Pressure Drop in External HT Circuit, bar (psig)               | 15    | 1.5 (21.8) | 1.5 (21.8) | 1.5 (21.8) | 1.5 (21.8) |
| HT Circuit Maximum Pressure, bar (psig)                            |       | 4.5 (65)   | 4.5 (65)   | 4.5 (65)   | 4.5 (65)   |
| Minimum Static Head - Pump Inlet, bar (psig)                       |       | 0.5 (7)    | 0.5 (7)    | 0.5 (7)    | 0.5 (7)    |

| <b>LT Cooling Circuit</b>  | <b>See Notes</b> | <b>100% of Rated Load</b> | <b>90% of Rated Load</b> | <b>75% of Rated Load</b> | <b>50% of Rated Load</b> |
|--|------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| LT Circuit Engine Coolant Volume, L (gal)                          |                  | 34 (9)                    | 34 (9)                   | 34 (9)                   | 34 (9)                   |
| LT Coolant Flow @ Max Ext Restriction, m <sup>3</sup> /h (gal/min) | 13,15            | 23 (101)                  | 23 (101)                 | 23 (101)                 | 23 (101)                 |
| Maximum LT Engine Coolant Inlet Temp, °C (°F)                      | 7                | 50 (122)                  | 50 (32)                  | 50 (32)                  | 50 (122)                 |
| Nominal LT Coolant Outlet Temp, °C (°F)                            | 7                | 54 (129)                  | 54 (32)                  | 54 (32)                  | 54 (129)                 |
| Max Pressure Drop in External LT Circuit, bar (psig)               | 15               | 1.0 (14.5)                | 1.0 (14.5)               | 1.0 (14.5)               | 1.0 (14.5)               |
| LT Circuit Maximum Pressure, bar (psig)                            |                  | 4.5 (65)                  | 4.5 (65)                 | 4.5 (65)                 | 4.5 (65)                 |
| Minimum Static Head - Pump Inlet, bar (psig)                       |                  | 0.5 (7)                   | 0.5 (7)                  | 0.5 (7)                  | 0.5 (7)                  |

### Emissions

|   |    |  |
|---|----|--|
| NO <sub>x</sub> Emissions dry, ppm  |    | <b>This rating is EPA NSPS Certified. Please refer to EPA emissions datasheet for regulation limits.</b> |
| NO <sub>x</sub> Emissions, mg/Nm <sup>3</sup> @5% O <sub>2</sub> (g/hp-h) |    |  |
| THC Emissions wet, ppm  | 11 |  |
| THC Emissions, mg/Nm <sup>3</sup> @5% O <sub>2</sub> (g/hp-h)             | 11 |  |
| CO Emissions dry, ppm   | 14 |  |
| CO Emissions, mg/Nm <sup>3</sup> @5% O <sub>2</sub> (g/hp-h)              | 14 |  |
| CO <sub>2</sub> Emissions dry, percent                                    | 14 |  |
| CO <sub>2</sub> Emissions, mg/Nm <sup>3</sup> @5% O <sub>2</sub> (g/hp-h) | 14 |  |
| O <sub>2</sub> Emissions dry, percent                                     | 14 |  |
| Particulates PM <sub>10</sub> , g/hp-h                                    | 14 |  |

## Genset De-rating

### Altitude and Temperature Derate Multiplication Factor - On Grid, Soft Start

| Barometer                    |      | Altitude |        | Table A           |      |      |      |      |      |      |      |      |     |
|------------------------------|------|----------|--------|-------------------|------|------|------|------|------|------|------|------|-----|
| In Hg                        | mbar | Feet     | Meters | Derate Multiplier |      |      |      |      |      |      |      |      |     |
| 20.7                         | 701  | 9843     | 3000   | 0.69              | 0.67 | 0.66 | 0.65 | 0.63 | 0.61 | 0.58 | 0.55 | 0.52 |     |
| 21.4                         | 723  | 9022     | 2750   | 0.72              | 0.70 | 0.69 | 0.68 | 0.66 | 0.64 | 0.61 | 0.58 | 0.55 |     |
| 22.1                         | 747  | 8202     | 2500   | 0.75              | 0.74 | 0.72 | 0.71 | 0.70 | 0.67 | 0.64 | 0.61 | 0.58 |     |
| 22.8                         | 771  | 7382     | 2250   | 0.78              | 0.77 | 0.75 | 0.74 | 0.73 | 0.70 | 0.67 | 0.64 | 0.62 |     |
| 23.5                         | 795  | 6562     | 2000   | 0.81              | 0.80 | 0.79 | 0.77 | 0.76 | 0.73 | 0.70 | 0.68 | 0.65 |     |
| 24.3                         | 820  | 5741     | 1750   | 0.84              | 0.83 | 0.82 | 0.80 | 0.79 | 0.76 | 0.74 | 0.71 | 0.68 |     |
| 25.0                         | 846  | 4921     | 1500   | 0.88              | 0.86 | 0.85 | 0.84 | 0.82 | 0.79 | 0.77 | 0.74 | 0.71 |     |
| 25.8                         | 872  | 4101     | 1250   | 0.91              | 0.89 | 0.88 | 0.87 | 0.85 | 0.83 | 0.80 | 0.77 | 0.74 |     |
| 26.6                         | 899  | 3281     | 1000   | 0.94              | 0.92 | 0.91 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 |     |
| 27.4                         | 926  | 2461     | 750    | 0.97              | 0.96 | 0.94 | 0.93 | 0.92 | 0.89 | 0.86 | 0.83 | 0.81 |     |
| 28.3                         | 954  | 1640     | 500    | 1.00              | 0.99 | 0.97 | 0.96 | 0.95 | 0.92 | 0.89 | 0.86 | 0.84 |     |
| 29.1                         | 983  | 820      | 250    | 1.00              | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.92 | 0.90 | 0.87 |     |
| 29.5                         | 995  | 492      | 150    | 1.00              | 1.00 | 1.00 | 1.00 | 0.99 | 0.96 | 0.94 | 0.91 | 0.88 |     |
| 30.0                         | 1012 | 0        | 0      | 1.00              | 1.00 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 |     |
|                              |      |          |        | °C                | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60  |
|                              |      |          |        | °F                | 68   | 77   | 86   | 95   | 104  | 113  | 122  | 131  | 140 |
| Air Filter Inlet Temperature |      |          |        |                   |      |      |      |      |      |      |      |      |     |

### Altitude and Temperature Derate Multiplication Factor - Off Grid

| Barometer                    |      | Altitude |        | Table A           |      |      |      |      |      |      |      |      |     |
|------------------------------|------|----------|--------|-------------------|------|------|------|------|------|------|------|------|-----|
| In Hg                        | mbar | Feet     | Meters | Derate Multiplier |      |      |      |      |      |      |      |      |     |
| 20.7                         | 701  | 9843     | 3000   | 0.67              | 0.66 | 0.64 | 0.63 | 0.62 | 0.58 | 0.55 | 0.52 | -    |     |
| 21.4                         | 723  | 9022     | 2750   | 0.70              | 0.69 | 0.67 | 0.66 | 0.65 | 0.62 | 0.58 | 0.55 | 0.52 |     |
| 22.1                         | 747  | 8202     | 2500   | 0.73              | 0.72 | 0.71 | 0.69 | 0.68 | 0.65 | 0.61 | 0.58 | 0.55 |     |
| 22.8                         | 771  | 7382     | 2250   | 0.76              | 0.75 | 0.74 | 0.72 | 0.71 | 0.68 | 0.65 | 0.61 | 0.58 |     |
| 23.5                         | 795  | 6562     | 2000   | 0.80              | 0.78 | 0.77 | 0.76 | 0.74 | 0.71 | 0.68 | 0.65 | 0.61 |     |
| 24.3                         | 820  | 5741     | 1750   | 0.83              | 0.81 | 0.80 | 0.79 | 0.77 | 0.74 | 0.71 | 0.68 | 0.64 |     |
| 25.0                         | 846  | 4921     | 1500   | 0.86              | 0.85 | 0.83 | 0.82 | 0.81 | 0.77 | 0.74 | 0.71 | 0.68 |     |
| 25.8                         | 872  | 4101     | 1250   | 0.89              | 0.88 | 0.86 | 0.85 | 0.84 | 0.80 | 0.77 | 0.74 | 0.71 |     |
| 26.6                         | 899  | 3281     | 1000   | 0.92              | 0.91 | 0.90 | 0.88 | 0.87 | 0.84 | 0.80 | 0.77 | 0.74 |     |
| 27.4                         | 926  | 2461     | 750    | 0.95              | 0.94 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.80 | 0.77 |     |
| 28.3                         | 954  | 1640     | 500    | 0.98              | 0.97 | 0.96 | 0.94 | 0.93 | 0.90 | 0.87 | 0.83 | 0.80 |     |
| 29.1                         | 983  | 820      | 250    | 1.00              | 1.00 | 0.99 | 0.98 | 0.96 | 0.93 | 0.90 | 0.87 | 0.83 |     |
| 29.5                         | 995  | 492      | 150    | 1.00              | 1.00 | 1.00 | 0.99 | 0.98 | 0.94 | 0.91 | 0.88 | 0.85 |     |
| 30.0                         | 1012 | 0        | 0      | 1.00              | 1.00 | 1.00 | 1.00 | 0.99 | 0.96 | 0.93 | 0.90 | 0.87 |     |
|                              |      |          |        | °C                | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60  |
|                              |      |          |        | °F                | 68   | 77   | 86   | 95   | 104  | 113  | 122  | 131  | 140 |
| Air Filter Inlet Temperature |      |          |        |                   |      |      |      |      |      |      |      |      |     |

#### Temperature & altitude derate

1. Determine derate multiplier vs. temperature and altitude in Table A.
2. Assumes the LT return temperature is 10 °C above the air filter inlet with a maximum LT temperature of 50 °C.
3. If the LT temperature exceeds 50°C, consult factory for recommendations.
4. Altitude is based upon SAE standard ambient pressure vs. altitude. For low barometric conditions add 150 m (500 ft) to site altitude.

# Genset De-rating

## Heat Rejection Factor (altitude and ambient) for HT and LT Circuits

| Barometer |      | Altitude |        | Table B  |      |      |      |      |      |      |      |      |     |
|-----------|------|----------|--------|--|------|------|------|------|------|------|------|------|-----|
| In Hg     | mbar | Feet     | Meters | Multiplier for HT & LT (1/4) Heat Rejection vs Alt & Temp. |      |      |      |      |      |      |      |      |     |
| 20.7      | 701  | 9843     | 3000   | 1.11   | 1.13 | 1.14 | 1.15 | 1.17 | 1.18 | 1.19 | 1.20 | 1.22 |     |
| 21.4      | 723  | 9022     | 2750   | 1.10   | 1.12 | 1.13 | 1.14 | 1.15 | 1.17 | 1.18 | 1.19 | 1.21 |     |
| 22.1      | 747  | 8202     | 2500   | 1.09   | 1.10 | 1.12 | 1.13 | 1.14 | 1.16 | 1.17 | 1.18 | 1.20 |     |
| 22.8      | 771  | 7382     | 2250   | 1.08   | 1.09 | 1.11 | 1.12 | 1.13 | 1.14 | 1.16 | 1.17 | 1.18 |     |
| 23.5      | 795  | 6562     | 2000   | 1.07   | 1.08 | 1.09 | 1.11 | 1.12 | 1.13 | 1.15 | 1.16 | 1.17 |     |
| 24.3      | 820  | 5741     | 1750   | 1.06   | 1.07 | 1.08 | 1.10 | 1.11 | 1.12 | 1.14 | 1.15 | 1.16 |     |
| 25.0      | 846  | 4921     | 1500   | 1.05   | 1.06 | 1.07 | 1.09 | 1.10 | 1.11 | 1.12 | 1.14 | 1.15 |     |
| 25.8      | 872  | 4101     | 1250   | 1.04   | 1.05 | 1.06 | 1.07 | 1.09 | 1.10 | 1.11 | 1.13 | 1.14 |     |
| 26.6      | 899  | 3281     | 1000   | 1.02   | 1.04 | 1.05 | 1.06 | 1.08 | 1.09 | 1.10 | 1.12 | 1.13 |     |
| 27.4      | 926  | 2461     | 750    | 1.01   | 1.03 | 1.04 | 1.05 | 1.07 | 1.08 | 1.09 | 1.10 | 1.12 |     |
| 28.3      | 954  | 1640     | 500    | 1.00   | 1.02 | 1.03 | 1.04 | 1.05 | 1.07 | 1.08 | 1.09 | 1.11 |     |
| 29.1      | 983  | 820      | 250    | 0.99   | 1.00 | 1.02 | 1.03 | 1.04 | 1.06 | 1.07 | 1.08 | 1.10 |     |
| 29.5      | 995  | 492      | 150    | 0.99   | 1.00 | 1.01 | 1.03 | 1.04 | 1.05 | 1.06 | 1.08 | 1.09 |     |
| 30.0      | 1012 | 0        | 0      | 0.98   | 0.99 | 1.01 | 1.02 | 1.03 | 1.05 | 1.06 | 1.07 | 1.08 |     |
|           |      |          |        | °C   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60  |
|           |      |          |        | °F   | 68   | 77   | 86   | 95   | 104  | 113  | 122  | 131  | 140 |
|           |      |          |        | <b>Air Filter Inlet Temperature</b>                        |      |      |      |      |      |      |      |      |     |

### LT & HT Circuit Heat Rejection Calculation

1. Determine derate multiplier vs. temperature and altitude in Table A.
2. Using the multiplier from #1 above as the percent load factor determine the heat rejection from the previous page.
3. From Table B find the LT circuit multiplier. \*The HT circuit multiplier is 1/4 of the multiplier shown in the table e.g. if the table says 1.04, the actual factor for HT is 1.01.
4. Multiply the result of step 2 by the result of step 3 to obtain the heat rejection at your altitude and temperature.

### Methane Index Derate Multiplication Factor\*

Table C

#### Derate Multiplier

| LT Inlet Temp |    | Derate Factor |      |      |      |
|---------------|----|---------------|------|------|------|
| °F            | °C | 1.00          | 0.90 | 0.75 | 0.50 |
| 122           | 50 | 78            | 69   | 54   | 45   |
| 131           | 55 | 82            | 73   | 58   | 49   |
| 140           | 60 | 86            | 77   | 62   | 53   |
| 149           | 65 | 90            | 81   | 66   | 57   |
| 158           | 70 | 94            | 85   | 70   | 61   |

### Methane Index Derate

1. Determine derate multiplier vs. Methane Number in Table C based on MN given your gas analysis input into the Cummins Gas Analysis Tool.
2. Using the multiplier from #1 above as the percent load factor determine the max load in kW using the nominal max rated load.

## Alternator Data

| Voltage Range | Connection Configuration | Temp Rise Degrees C | Duty <sup>9</sup> Cycle | Winding No. | Alternator Data Sheet |
|---------------|--------------------------|---------------------|-------------------------|-------------|-----------------------|
| 380-480       | Wye, 3 Phase             | 80                  | C                       | N/A         | See Note 16           |
| 416-480       | Wye, 3 Phase             | 80                  | C                       | N/A         | See Note 16           |
| 600           | Wye, 3 Phase             | 80                  | C                       | N/A         | See Note 16           |
| 4160          | Wye, 3 Phase             | 80                  | C                       | N/A         | See Note 16           |
| 12470-13800   | Wye, 3 Phase             | 80                  | C                       | N/A         | See Note 16           |
| 380-416       | Wye, 3 Phase             | 105                 | C                       | N/A         | See Note 16           |
| 440-480       | Wye, 3 Phase             | 105                 | C                       | N/A         | See Note 16           |
| 480           | Wye, 3 Phase             | 105                 | C                       | N/A         | See Note 16           |
| 600           | Wye, 3 Phase             | 105                 | C                       | N/A         | See Note 16           |
| 4160          | Wye, 3 Phase             | 105                 | C                       | N/A         | See Note 16           |
| 440-480       | Wye, 3 Phase             | 125                 | C                       | N/A         | See Note 16           |

## Continuous Rating Definition

**Applicable for supplying power continuously to a constant load up to the full output rating for unlimited hours. No sustained overload capability is available for this rating. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514).**

Note:

- 1) Weights and set dimensions represent a generator set with its standard features only. See outline drawing for other configurations.
- 2) At ISO3046 reference conditions, altitude 1013 mbar (30in Hg), air inlet temperature 25°C (77°F)
- 3) According to ISO 3046/I with fuel consumption tolerance of +5%, -0%
- 4) With air intake at 25°C (77°F). Tolerance ± 10°C.
- 5) Tested using pipeline natural gas with LHV of 35.64MJ/Nm<sup>3</sup> (905BTU/scf).
- 6) Outlet temperature controlled by thermostat. Inlet temperature for reference only. Data taken with 50% Glycol and with outlet temperature at max allowance.
- 7) Inlet temperature controlled by thermostat, outlet temperature for reference only. Data taken with 50% Glycol.
- 8) Without engine driven coolant pumps
- 9) Standby (S), Prime (P), Continuous (C)
- 10) At electrical output of 1.0 Power Factor, 97% Alternator Efficiency
- 11) Tolerance ±15%. Values shown are measured using fuel with less than 1% NMHC by volume. Values can vary significantly depending on NMHC found in the fuel.
- 12) Exhaust system back pressure is at rated load and will decrease at lower loads. Minimum restriction/back pressure is 0 mm H<sub>2</sub>O.
- 13) Flow including off engine thermostats.
- 14) Tolerance +/- 10%
- 15) Pressure drop external to genset.
- 16) Alternator model and data sheet information available on [www.powersuite.cummins.com](http://www.powersuite.cummins.com)
- 17) Exhaust gas cooled to 120 °C.
- 18) Fuel pressure capability will vary depending on fuel quality and site conditions.
- 19) Maximum Air Cleaner Restriction based on intake air temperature below 35 °C. If intake air temperature rises above 35 °C, contact Application Engineering for guidance.

For more information contact your local Cummins distributor  
or visit [power.cummins.com](http://power.cummins.com)

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