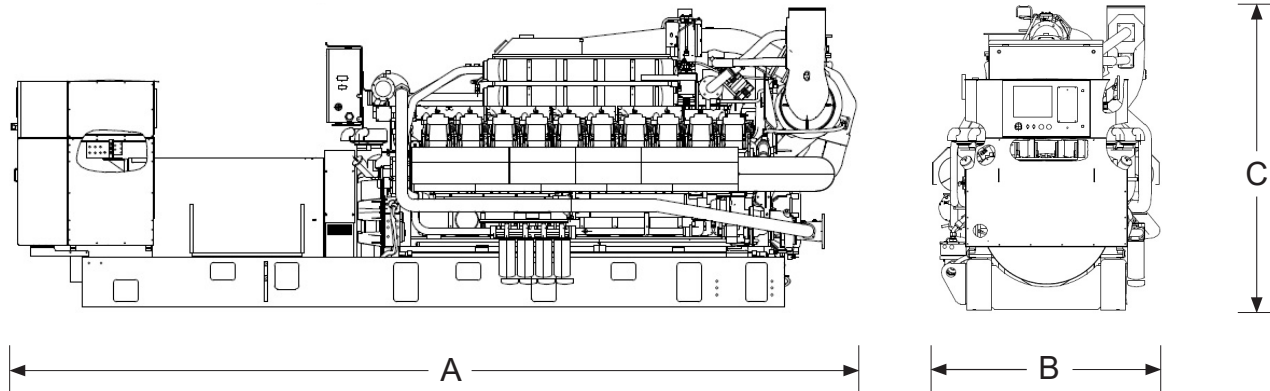


50 Hz High Altitude/Ambient Package Performance – No Pumps

Performance	Continuous		Continuous	
Frequency	50 Hz		50 Hz	
Genset power rating @ 0.8 power factor – kW (kVA)	2022	(2528)	2022	(2528)
Engine speed – rpm	1500		1500	
Compression ratio	11.9		11.9	
Emissions –mg/Nm ³ (g/bhp-hr) NOx	250	(0.50)	500	(1.00)
Performance number	DM8926-02		DM8924-02	
Fuel Consumption (ISO 3046/1)				
100% load – MJ/ekW-hr (Btu/ekW-hr)	9.00	(8538)	8.75	(8299)
75% load– MJ/ekW-hr (Btu/ekW-hr)	9.13	(8653)	8.93	(8466)
50% load – MJ/ekW-hr (Btu/ekW-hr)	9.58	(9082)	9.39	(8902)
Cooling System				
Auxiliary circuit temperature (maximum inlet) – °C (°F)	54	(130)	54	(130)
Jacket water temperature (maximum outlet) – °C (°F)	99	(210)	99	(210)
Inlet Air				
Combustion air inlet flow rate (0°C, 101.3 kPa)/(77°F, 14.7 psia) – Nm ³ /bkW-hr (ft ³ /min)	4.18	(5637)	3.99	(5383)
Altitude Capability				
At 25°C (77°F) ambient, above sea level – m (ft)	1500	(4921)	2000	(6562)
Exhaust System				
Exhaust temperature – engine outlet – °C (°F)	429	(805)	430	(805)
Exhaust gas flow (0°C, 101.3 kPa)/(77°F, 14.7 psia) – Nm ³ /bkW-hr (ft ³ /min)	4.44	(14283)	4.24	(13658)
Exhaust gas mass flow – kg/bkW-hr (lb/hr)	5.59	(25886)	5.34	(24739)
Heat Rejection				
Heat rejection to jacket water – kW (Btu/min)	634	(36060)	655	(37227)
Heat rejection to exhaust (LHV to 120°C/248°F) – kW (Btu/min)	1055	(60007)	988	(56206)
Heat rejection to auxiliary circuit – kW (Btu/min)	165	(9362)	157	(8925)
Heat rejection to atmosphere from engine and generator – kW (Btu/min)	216	(12274)	216	(12274)
Heat rejection to jacket water circuit (JW+OC+AC1) – kW (Btu/min)	1205	(68539)	1181	(67193)

Weights and Dimensions



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
6940.2 (273.4)	1827.5 (71.95)	2449.8 (96.45)	17826 (39306)

Note: For reference only. Do not use for installation design. Contact your local Cat dealer for precise weights and dimensions.

Ratings Definitions

Continuous Power Rating

Output available with non-varying load for an unlimited time. Average power output is 70-100% of the continuous power rating. Typical peak demand is 100% of continuous rated kW for 100% of operating hours.

Applicable Codes and Standards

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/ EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

Fuel Rates

- For transient response, ambient, and altitude capabilities consult your local Cat dealer.
- Fuel pressure range specified is to the engine fuel control valve. Additional fuel train components may be required and should be considered in pressure and flow calculations.
- For a complete reference of definitions and conditions see the following data sheets
 - 50 Hz 1995kW Continuous / Standard (W/ Pumps)**
 DM8925-02 (500mg/Nm³ NOx) - SCAC IN: 54°C
 DM8927-02 (250mg/Nm³ NOx) - SCAC IN: 54°C
 DM8929-02 (500mg/Nm³ NOx) - SCAC IN: 43°C
 DM8931-02 (250mg/Nm³ NOx) - SCAC IN: 43°C
 - 50 Hz 2022kW Continuous / Standard (W/O Pumps)**
 DM8924-02 (500mg/Nm³ NOx) - SCAC IN: 54°C
 DM8926-02 (250mg/Nm³ NOx) - SCAC IN: 54°C
 DM8928-02 (500mg/Nm³ NOx) - SCAC IN: 43°C
 DM8930-02 (250mg/Nm³ NOx) - SCAC IN: 43°C

<http://www.cat.com/powergeneration>

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Materials and specifications are subject to change without notice.
The International System of Units (SI) is used in this publication.