Model: C2750 D5B
Frequency: 50 Hz
Fuel type: Diesel

Spec sheet:	**NAS-6089-EN**
Noise data sheet:	**MSP-3055**
PTS sheet:	**PTS-606**

Fuel consumption	**Standby**				**Prime**			
	kVA (kW)				**kVA (kW)**			
Ratings	2750 (2200)				2500 (2000)			
Load	**1/2**	**3/4**	**1/2**	**Full**	**1/4**	**1/2**	**3/4**	**Full**
US gph	35.37	77.32	109.47	139.09	31.2	70	100.9	128.39
L/hr	133.9	292.7	414.4	526.5	118.0	265.0	382.0	486.0

Engine	**Standby rating**	**Prime rating**
Engine manufacturer	Cummins Inc.	
Engine model	QSK60-G22	
Configuration	Cast iron, V16 cylinder	
Aspiration	Turbocharged and low temperature after-cooled	
Gross engine power output, kWm	2351 (3152)	2121 (2843)
BMEP at set rated load, kPa	3130 (454)	2821 (409)
Bore, mm	159 (6.25)	
Stroke, mm	190 (7.48)	
Rated speed, rpm	1500	
Piston speed, m/s	9.5 (1869)	
Compression ratio	14.5:1	
Lube oil capacity, L	397.5 (419.9)	
Overspeed limit, rpm	1725	
Regenerative power, kW	207	
Governor type	Electronic	
Starting voltage	24 volts, negative ground	

Fuel flow	
Maximum fuel flow, L/hr	996 (263)
Maximum fuel inlet restriction, mm Hg	16.9 (5)/30 (9)
Maximum fuel inlet temperature, °C	71 (160)

Air	Standby rating	Prime rating
Combustion air, m^3/min (scfm)	170 (6031)	154 (5447)
Maximum air cleaner restriction, in H_2O	6.0	
Alternator cooling air, m^3/min (cfm)	240 (8475)	

Exhaust

Exhaust flow at rated load, m^3/min (cfm)	424.8 (15002)	393 (13824)
Exhaust temperature, °C (°F)	608 (1126)	579 (1074)
Maximum back pressure, kPa (in H_2O)	6.095 (24.4)	

Standard set-mounted radiator cooling

Ambient design, °C (°F)	49 (120)	
Fan load, kW_m (HP)	55 (75)	
Coolant capacity (with radiator), L (US gal)	681.4 (180)	
Cooling system air flow, m^3/min (scfm)	2700 (95349)	
Total heat rejection, MJ/min (Btu/min)	77.9 (73825)	69.3 (65708)
Maximum cooling air flow static restriction, kPa (in H_2O)	0.12 (0.5)	

Weights*

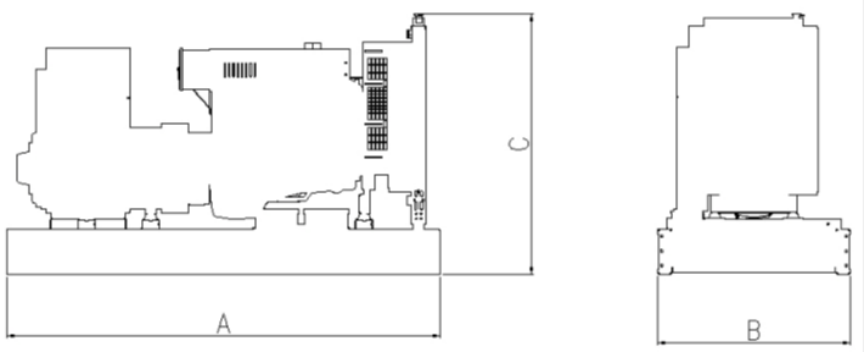
Unit dry weight kgs	21106
Unit wet weight kgs	22070

* Weights represent a set with standard features. See outline drawing for weights of other configurations.

Dimensions	Length	Width	Height
Standard open set dimensions mm	7101	2635	3186

Genset outline

Open set



Outlines are for illustrative purposes only. Please refer to the genset outline drawing for an exact representation of this model.

Alternator data

Connection[1]	Temp rise ºC	Duty	Alternator	Voltage
Star	150-40	S	LVSI804X	380-440 V
Star	150-40	S	MVSI804X	3000 V
Star	125-40	S	HVSI804X	6300-6600 V
Star	125-40	S	HVSI804X	10500-11000 V

Notes:

[1] Limited single phase capability is available from some three phase rated configurations. To obtain single phase rating, multiply the three phase kW rating by the single phase factor[2]. All single phase ratings are at unity power factor.

Ratings definitions

Emergency Standby Power (ESP):	Limited-Time Running Power (LTP):	Prime Power (PRP):	Base Load (Continuous) Power (COP):
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.	Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) is in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Formulas for calculating full load currents:

Three phase output

$$\frac{\text{kW} \times 1000}{\text{Voltage} \times 1.73 \times 0.8}$$

Single phase output

$$\frac{\text{kW} \times \text{SinglePhaseFactor} \times 1000}{\text{Voltage}}$$