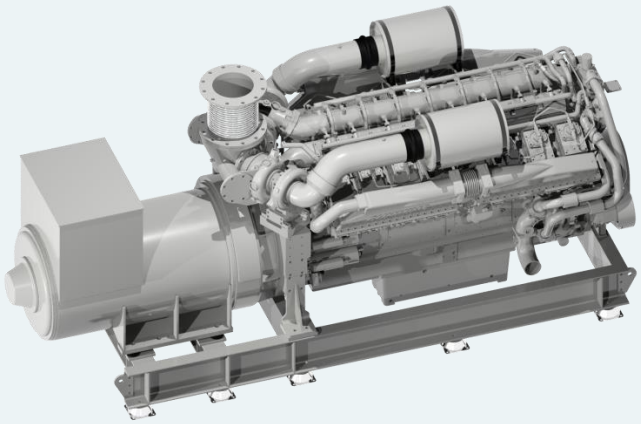
CUMMINS QSK50-DM

> 1216-1342 KW @ 1500-1800 RPM



> **Common Rail Fuel System**
> **Water cooled turbo and exhaust manifold**
> **Low noise and vibrations**

Cummins Auxiliary Engine

QSK50 has 16 cylinders (V16) with Modular High Pressure Common Rail Fuel System, which provides good fuel economy and low emissions. The air intake is turbocharged. Water cooled exhaust manifold lowers the surface temperature of the engine and ensures reliable operation. Low rpm reduces noise and vibration levels. 24-volt electrical system with Nogva Motor Computer monitoring system. The Q-Series was launched in 2005, designed to meet current and future stringent environmental requirements.

Standard version configured for keel cooling.

Rated power and fuel consumption				
RPM / Hz	**1500 / 50**		**1800 / 60**	
Generator effect	1216 kW		1342 kW	
Fuel Consumption 100%	330,5 L/h	231 g/kWh	342,3 L/h	217 g/kWh
Fuel Consumption 75%	249,5 L/h	233 g/kWh	265,8 L/h	224 g/kWh
Fuel Consumption 50%	169,5 L/h	237 g/kWh	190,9 L/h	242 g/kWh
Fuel Consumption 25%	96,4 L/h	270 g/kWh	113,7 L/h	288 g/kWh
Emission rating	EPA Tier 2 Eu Stage 3a IMO Tier 2		EPA Tier 2 Eu Stage 3a IMO Tier 2	

Standard equipment

> Nogva Motor Computer V2-G
> Electronic regulation
> Double wall fuel pipe
> 2-pole electrical system
> Exhaust compensator
> Silencer
> Bilge pump for lub.oil
> Engine brackets
> Water cooled manifold
> Vibration isolators
> Base frame in steel
> Heat elements in generator
> With droop transformer for parallel operation

Optional equipment

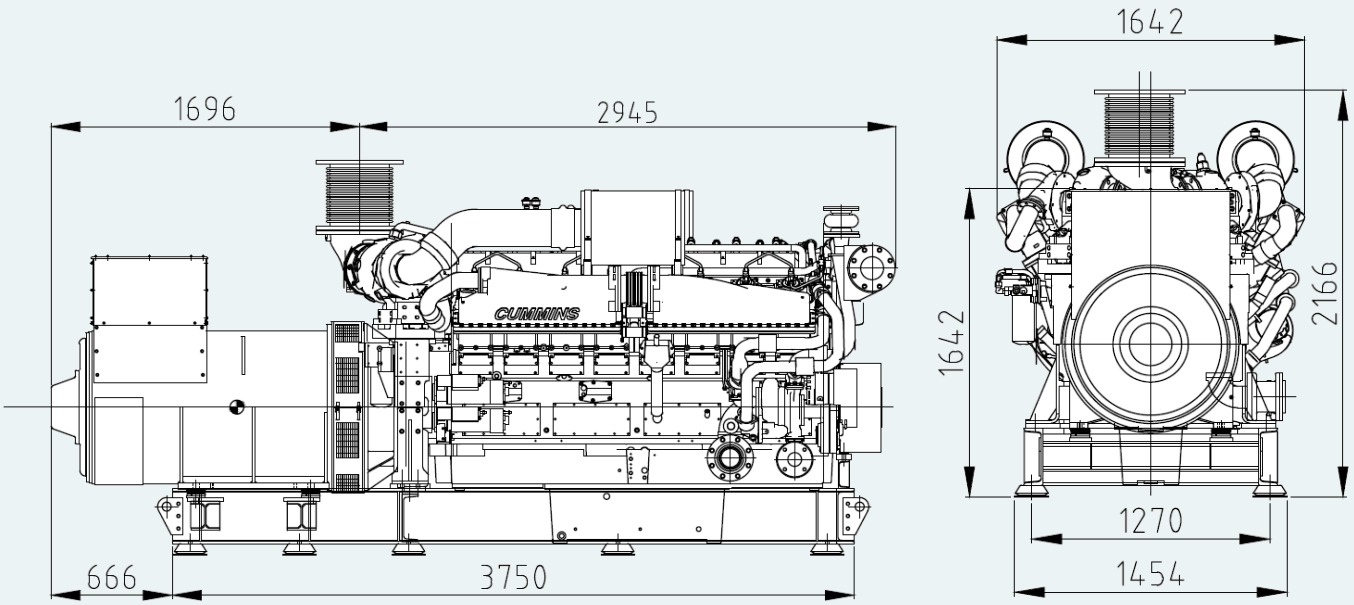
> Box cooler
> Plate heat exchanger
> Radiator cooling
> Engine heater

Dokumentnummer:

CUMMINS QSK50-DM

General Data		Exhaust System		
Model	QSK50-DM	**RPM / Power**	***1500 / 1216 kW***	***1800 / 1342 kW***
Rating type	Prime power	Exhaust temperature	405 °C	356 °C
Number of cylinders	16	Exhaust flow	$226{,}9 m^3/min$	$258{,}4 m^3/min$
Engine type	V16, 4-cycle	**Air System**		
Fuel system	Modular common rail	Intake air flow	1799 l/sec	2089 l/sec
Displacement	50,2 L	Heat rejection to ambient	50 kW 2836 BTU/min	52 kW 2938 BTU/min
Aspiration	Turbocharged	Intake manifold pressure	31,2 kPa	30,5 kPa
Bore and stroke	159 x 159 mm	**Fuel System**		
Compression ratio	15:1	Fuel flow to pump	594 l/h	700 l/h
Weight, dry	6615 kg	Fuel flow return to tank	264 l/h	358 l/h
Oil capacity	151 L	Average fuel consumption	166 l/h	184 l/h
Rated engine torque (50Hz)	7738 Nm	**Average Noise Level**		
Rated engine torque (60Hz)	7121 Nm	Idle	-- dBA @ 1m	-- dBA @ 1m
		Rated	-- dBA @ 1m	-- dBA @ 1m

Dimensions with Stamford P7



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