

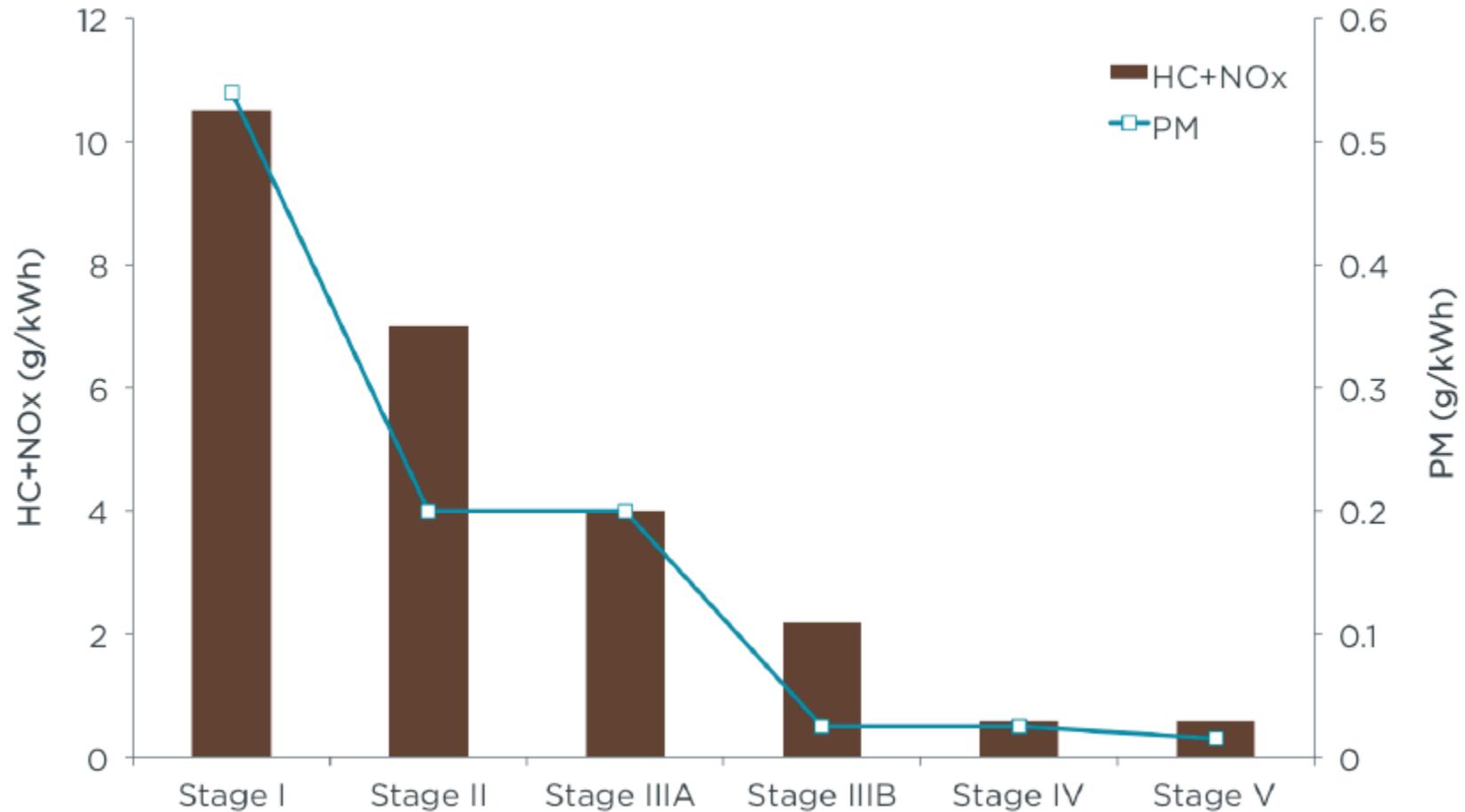
Steg V – Mobila elverk

Team Power



Informationsklassificering: Publik

Emissionsgränser från Steg I till Steg V



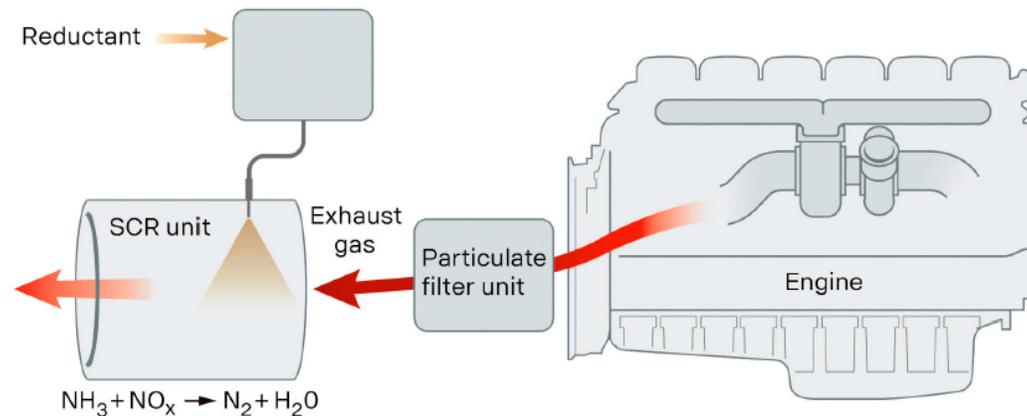
Steg V emissionsgränser i de olika motorkategorierna

Engine Category	Equipment Type	Power Range (KW)	Engine Type	CO (G/KWH)	HC (G/KWH)	NOx (G/KWH)	PM (G/KWH)	PN (#/KWH)	A#
NRE-v-1 NRE-c-1	Other non-road mobile machinery	0<P<8	CI	8.00	HC + NOx ≤ 7.50		0.40	-	1.1
NRE-v-2 NRE-c-2		8≤P<19	CI	6.60	HC + NOx ≤ 7.50		0.4	-	1.1
NRE-v-3 NRE-c-3		19≤P<37	CI	5.00	HC + NOx ≤ 4.70		0.015	1×10 ¹²	1.1
NRE-v-4 NRE-c-4		37≤P<56	CI	5.00	HC + NOx ≤ 4.70		0.015	1×10 ¹²	1.1
NRE-v-5 NRE-c-5		56≤P<130	All	5.00	0.19	0.40	0.015	1×10 ¹²	1.1
NRE-v-6 NRE-c-6		130≤P≤560	All	3.50	0.19	0.40	0.015	1×10 ¹²	1.1
NRE-v-7 NRE-c-7		P>560	All	3.50	0.19	3.50	0.045	-	6.0
NRG-v-1 NRG-c-1	Generating sets	P>560	All	3.50	0.19	0.67	0.035	-	6.0

Steg V exempel på princip - Scania

EMISSION COMPLIANCE EU STAGE V

EXHAUST AFTERTREATMENT SYSTEM



A chemical process is started when reductant, a urea and water mixture, is injected into the exhaust gas stream. During injection, the water evaporates and the urea breaks down to form ammonia. The ammonia then reacts with the nitrogen oxide gases in the catalytic converter and forms harmless products such as nitrogen gas and water.

The emissions of particulate matter are filtered through a ceramic structure, that only allows particles smaller than a defined size to pass. When the filter is filled with soot particles to a specific amount, it is regenerated automatically.

SCR (Selective Catalytic Reduction) technology, in combination with a particulate filter and an oxidation catalytic converter (integrated in the particulate filter unit), is used on Scania's EU Stage V engines to reduce the NO_x and particle content in the exhaust gases in the best possible way.

Steg V exempel på lösning – Volvo Penta



Insprutning av Adblue i avgaserna



Katalysator med partikelfilter



Adblue-tank

Mobilt elverk med emissionsklass Steg V, 200 kVA PRP



Modell:
OSD V200M-V

Effekt, PRP
200 kVA

Volvo Penta TAD 881GE

Mobila elverk med emissionsklass Steg V, 250-330 kVA PRP



Modell:

OSD S250GSM-V

OSD S300GSM-V

OSD S330GSM-V

Effekt, PRP

250 kVA

300 kVA

330 kVA

Scania DC9 320A

Mobila elverk med emissionsklass Steg V, 350-450 kVA PRP



Modell:

OSD S350GSM-V

OSD S400GSM-V

OSD S450GSM-V

Effekt, PRP

350 kVA

400 kVA

450 kVA

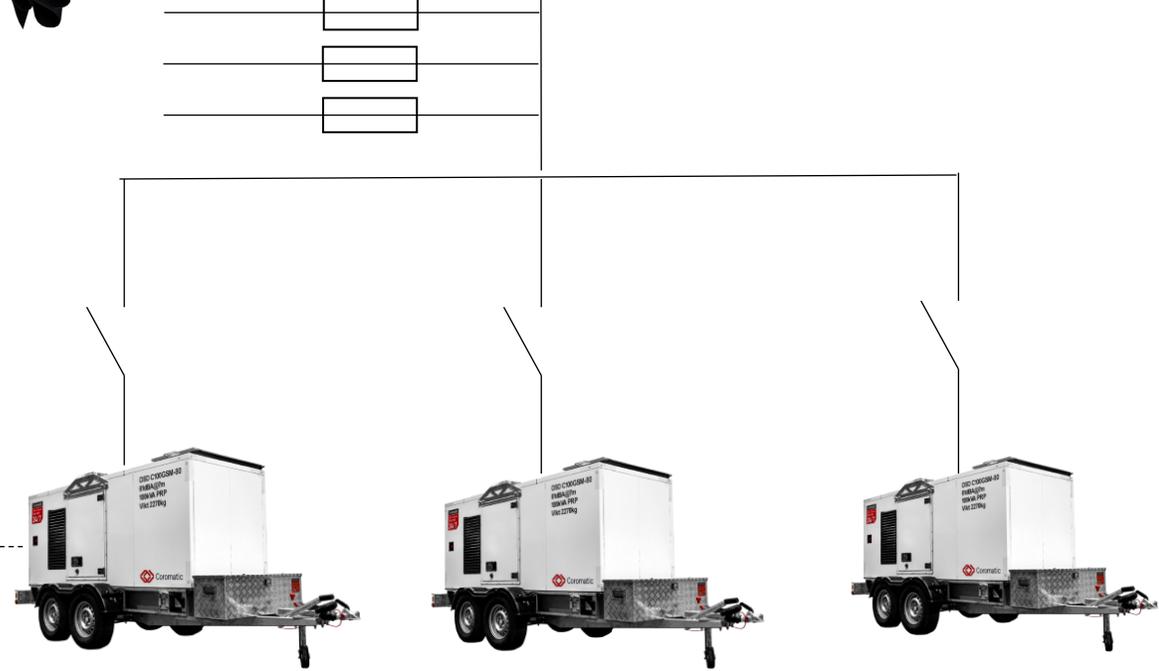
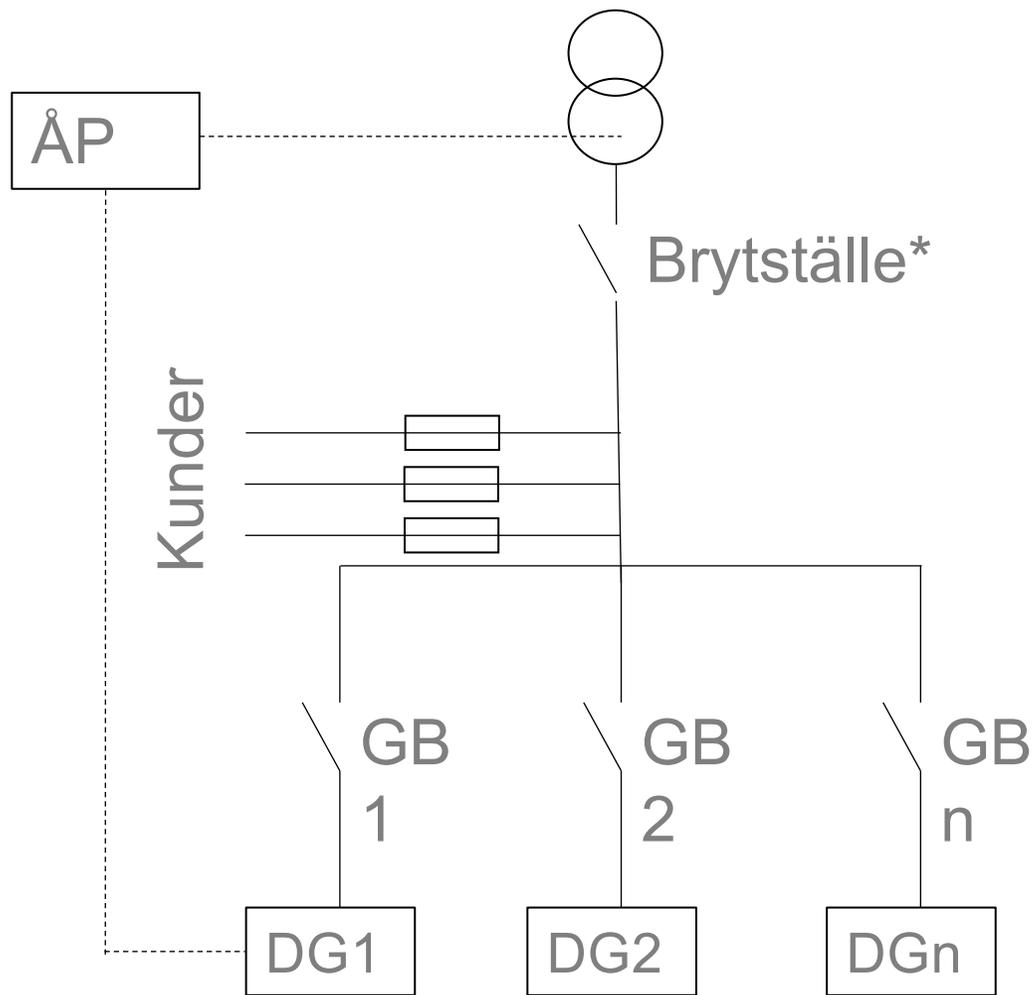
Scania DC13 320A

Mobilt elverk med emissionsklass Steg V, 500-670 kVA PRP



Modell:	Effekt, PRP
OSD S500GSM-V	500 kVA
Scania DC16 320	
OSD V670GSM-V	670 kVA
Volvo Penta TWD1683GE	

Avbrottsfritt underhåll – med parallellarbetande elverk



* Brytställe:
Kan vara Manuell/Automatisk nätbrytare,
säkringslastbrytare (enfas trefas)
enfasiga säkringslister med mera