

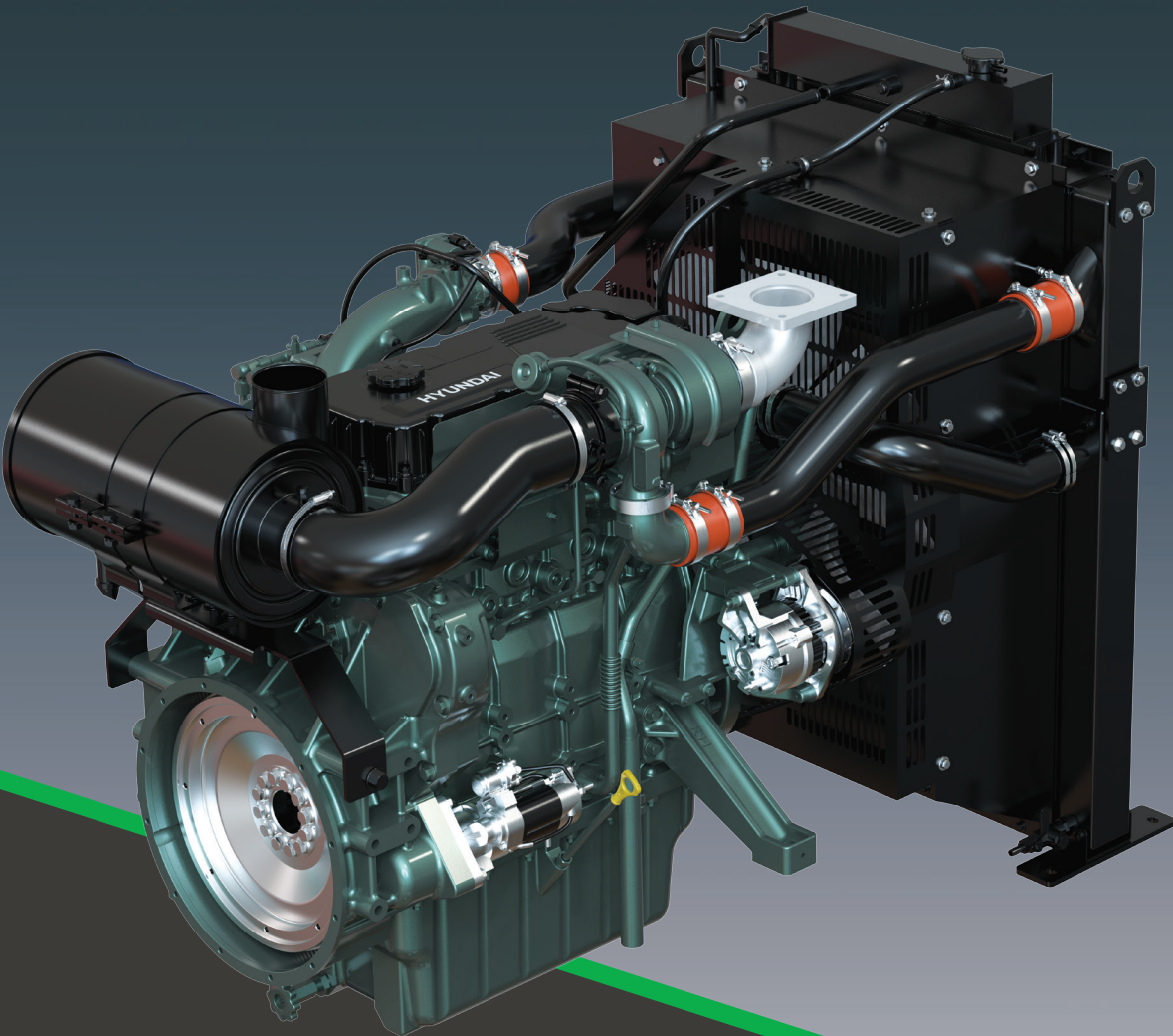
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HYUNDAI

GLOBAL NETWORK

CUSTOMER SUPPORT (ENGINE DIVISION)



New DP054C / DP086C
Series for Generator



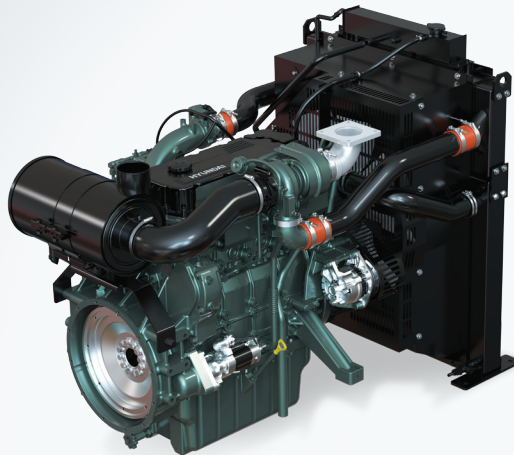
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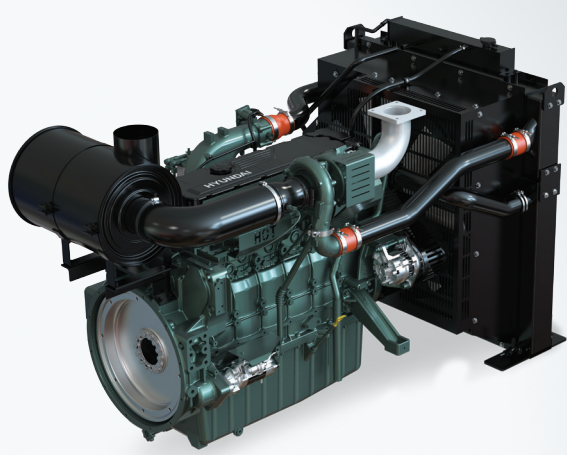
New DP054C / DP086C Series for Generator

Since 1958, HD Hyundai Infracore has been delivering reliable solutions to meet the world’s evolving needs. New electronic generator engine, DP054C/DP086C series engine is presented to provide efficient and stable power with enhanced fuel & oil efficiency and a maintenance-friendly design. In response to growing global concerns on environmental sustainability, it is fully compliant with the latest environmental regulations as well. It is set to become the flagship of HD Hyundai Infracore, building a future powered by innovation.

DP054C Series



DP086C Series



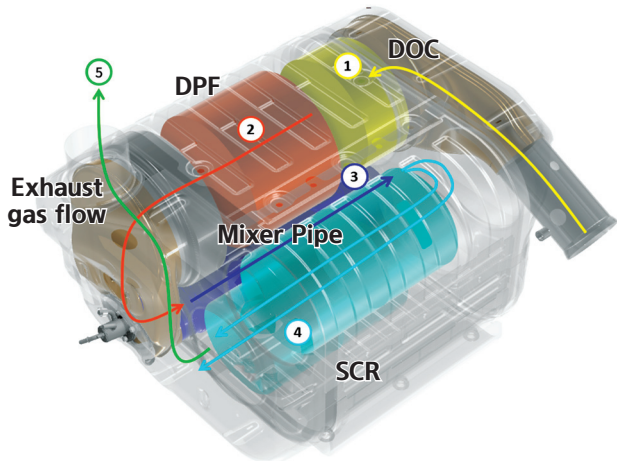
Sales Model	DP054C Series	DP086C Series
Engine Type	In Line, Diesel 4-Cylinder	In Line, Diesel 6-Cylinder
Displacement (L)	5.0	7.5
Bore x Stroke (mm)	110 x 132	110 x 132
Dry Weight (kg) * for G-pack w/o ATS	707	820
Fuel system	Common Rail System	Common Rail System
Aspiration	Turbo Charger & Intercooler	Turbo Charger & Intercooler
Dimension (LxWxH, mm) *for G-pack w/o ATS	1,720 x 924 x 1,239	2,019 x 1,084 x 1,322

ATS Design Concept

- Capable of forced regeneration even when engine is operating
- Low-temperature regeneration feature additionally provided (minimizing need for DPF cleaning)
- Various DEF tank options available (15/30/45/57/72L)
- Meets EPA/CARB Tier4F and EU Stage V emission regulations

Weights and Dimensions

Item	Length (mm)	Width (mm)	Height (mm)	Dry Weight (kg)
ATS (DOC+DPF+SCR)	788	688	454	119
DEF Tank (57L)	682	375	688	34



Differentiation & Competitiveness

It achieves precise fuel delivery with common rail system and Electronic Control Unit(ECU), allowing the optimal injection timing and pressure based on engine’s current operating conditions. Users can make real-time adjustment and ultimately ensure outstanding engine output with minimal fuel consumption.

DP054C/DP086C series engine with Aftertreatment system(ATS) greatly reduces pollutants through Diesel Oxidation Catalyst(DOC), Diesel Particulate Filter(DPF), and Selective Catalytic Reduction(SCR), satisfying the most stringent emission level: EPA/CARB Tier4F, EU Stage V.

High Performance & Durability

- G3 Class (ISO 8528-5)
- HVO/GTL : Usable up to 100%
- Oil maintenance interval : 1,000hrs without replenishment
- Operates without power derating up to an altitude of 1,000 meters
- Longer warranty period through strict verification and validation

Convenience & Safety

- 50/60Hz switchable
- Maintenance free through auto tensioning belt drive system
- Cold Startability@-25℃ without supplementary device
- Radiator to cover a wide range of usage condition (ATB 43~63℃)
- Safety guard for hazard parts
- Meet REACH & RoHS regulations
- Lower Total Cost of Operation through enhanced fuel efficiency and simplified maintenance



125~335 kWm

Non-Tier Engine Lineup

Model	Gross Engine Output				Typical Generator Set Output							
	50Hz		60Hz		50Hz				60Hz			
	ESP	PRP	ESP	PRP	ESP		PRP		ESP		PRP	
	kWm	kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	kWe	kVA
DP054CA	125	114	150	136	111	139	101	126	131	164	118	148
DP054CB	156	142	175	159	140	175	127	159	154	193	139	174
DP054CC	188	177	210	197	170	213	160	200	187	234	175	219
DP086CA	210	191	234	213	191	239	173	216	209	261	190	238
DP086CB	225	205	260	236	205	256	186	233	234	293	211	264
DP086CC	245	223	285	259	224	280	203	254	257	321	233	291
DP086CD	270	245	310	282	247	309	224	280	280	350	254	318
DP086CE	294	267	335	305	269	336	244	305	304	380	276	345

Alternator Efficiency is typically calculated as approximately 93%

EPA Tier3 Engine Lineup

Model	Gross Engine Output				Typical Generator Set Output							
	50Hz		60Hz		50Hz				60Hz			
	ESP	PRP*	ESP	PRP*	ESP		PRP*		ESP		PRP*	
	kWm	kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	kWe	kVA
DP054CAK	140	127	150	136	125	156	113	141	131	164	118	148
DP054CBK	179	163	197	179	162	203	147	184	175	219	158	198
DP086CAK	210	191	234	213	191	239	173	216	209	261	190	238
DP086CBK	225	205	260	236	205	256	186	233	234	293	211	264
DP086CCK	263	239	294	267	240	300	218	273	266	333	240	300

Alternator Efficiency is typically calculated as approximately 93%

* : U.S. EPA Tier3 Nonroad emission for Stationary Emergency Use Only. Prime power rating for reference only.

EPA/CARB Tier4F & EU Stage V Engine Lineup

Model	Emission	Gross Engine Output				Typical Generator Set Output							
		50Hz		60Hz		50Hz				60Hz			
		ESP	PRP*	ESP	PRP	ESP		PRP		ESP		PRP	
		kWm	kWm	kWm	kWm	kWe	kVA	kWe	kVA	kWe	kVA	kWe	kVA
DP054CAP	Tier4F	125	114	150	136	111	139	101	126	131	164	118	148
DP054CBP	Tier4F	156	142	175	159	140	175	127	159	154	193	139	174
DP054CCP	Tier4F	183	177	200	197	165	206	160	200	177	221	175	219
DP086CBP	Tier4F	225	205	260	236	205	256	186	233	234	293	211	264
DP086CCP	Tier4F	245	223	285	259	224	280	203	254	257	321	233	291
DP086CDP	Tier4F	270	245	307	279	247	309	224	280	278	348	251	314
DP054CAV	Stage V	125	114	150	136	111	139	101	126	131	164	118	148
DP054CBV	Stage V	156	142	175	159	140	175	127	159	154	193	139	174
DP054CCV	Stage V	183	177	200	197	165	206	160	200	177	221	175	219
DP086CBV	Stage V	225	205	260	236	205	256	186	233	234	293	211	264
DP086CCV	Stage V	245	223	285	259	224	280	203	254	257	321	233	291
DP086CDV	Stage V	270	245	307	279	247	309	224	280	278	348	251	314
DP086CEV	Stage V	290	264	-	-	266	333	241	301	-	-	-	-

Alternator Efficiency is typically calculated as approximately 93%