

## CHONGQING DAJIANG POWER EQUIPMENT CO., LTD

EXECUTIVE ORDER U-U-105-0527 New Off-Road Small Spark-Ignition Engines at or Below 19 Kilowatts

Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095:

IT IS ORDERED AND RESOLVED: That the following engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY		DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)		
2023	PCDF	S.5502EG	500, 550	4-stroke, ≥ 225 cc		Gasoline or LPG or CNG		
DURABILITY HOURS			SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION		
250		TBI			Compressor, Pump, Pressure Washer, Generator Set, Tiller, Other			
ENGINE CODES/MODELS (rated power in kilowatt, kW)			See Attachment					

ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series ECM=engine control module

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," amended January 1, 2023.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)	
STANDARD	8.0	549	*	
FAMILY EMISSION LIMIT	*	*	*	
CERTIFICATION LEVEL	6.5	352	*	

**BE IT FURTHER RESOLVED:** That the family emission limit(s) (FELs), as applicable, is an emission level that is declared by the manufacturer to serve for the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed on this 30th day of March 2023.

Robin U. Lang Robin U. Lang, Chief

**Emissions Certification and Compliance Division** 

SORE Exhaust Model Summary Template (rev. 2020)
---

Date: _Jan 2, 2023
Engine Family: PCDPS.5502EG

For CARB Use Only								
Executive Ord	ler:	U-U-10	05-0	527				
Attachment	1	of	1					

## Model Summary

woder Summa	47.	48.	49.	50.	51.	52.	52.	54.	55.	56.
Worst Case (Check One)	Model Designation	Sales Code	Displacement (cc)	Bore/Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated Torque	Torque Speed (RPM)	Emission Control System
	DHE500,DHE500B, DHE500C	50-State	500	94/72mm	N/A	11.3kW	3600	31N.m	2800	ТВІ
x	DHLGE550,DHE550B, DHE550C	50-State	550	96/76mm	N/A	12.5kW	3600	33N.m	2800	ТВІ
	DHLGE550,DHE550B, DHE550C	50-State	550	96/76mm	N/A	11.8kW	3600	31.5N.m	2800	ТВІ
	DHESSUC	50-State	550	96/76mm	N/A	9.3kW	3600	29.5N.m	2800	ТВІ
	DHESUUC	50-State	500	94/72mm	N/A	10.7kW	3600	29.5N.m	2800	ТВІ
	DHE500,DHE500B, DHE500C	50-State	500	94/72mm	N/A	8.5kW	3600	27.5N.m	2800	ТВІ
				_						