

## 3, 4 & 6 Cylinder Engines

For Automotive, Genset & Industrial Applications

Cooper 3 Cylinder Engine



Cooper 4 Cylinder Engine



Cooper 6 Cylinder Engine



### FEATURES:

- ❖ Three, Four and Six cylinder, inline, 4 stroke, liquid cooled engines.
- ❖ Rotary fuel pump & CRDI options available
- ❖ 4 Valves per cylinder
- ❖ Turbo Charged with charge air cooling
- ❖ Compact size, occupies less space per unit output.
- ❖ Euro IV Compliant
- ❖ Flexi fuel option (Diesel / CNG).



## Technical Specifications of Cooper Engines : 3 Cylinder Engine

No. Of Cylinder	3	3	3	3
Fuel	HSD #2	HSD #2	Natural Gas	HSD #2
Version	TCIC	TCIC	TCIC	TCIC
Bore ( in mm)	107	107	107	107
Stroke (in mm)	126	126	126	126
Displacement (in cm <sup>3</sup> )	3400	3400	3400	3400
Compression Ratio	17.5:1	17.5:1	12:1	17.5:1
Direction Of Rotation(From Flywheel End)	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise
Cooling	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
Dry Weight (kg) (Approx)	520	520	510	520
Rated Speed (rpm)	1500	1500	1500	2200
Max. Power Ps(Industrial)	-	-	-	118.0
Max. Torque(Nm) @ Speed(rpm)	-	-	-	452 NM @ 1400 rpm
Rated Power Ps (Genset)	102.7	115.6	73.0	-
Application	Genset	Genset	Genset	Industrial

## Technical Specifications of Cooper Engines : 4 Cylinder Engine

No. Of Cylinder	4	4	4	4
Fuel	HSD #2	HSD #2	Natural Gas	HSD #2
Version	TCIC	TCIC	TCIC	TCIC
Bore ( in mm)	107	107	107	107
Stroke (in mm)	126	126	126	126
Displacement (in cm <sup>3</sup> )	4500	4500	4500	4500
Compression Ratio	17.5:1	17.5:1	12:1	17.5:1
Direction Of Rotation(From Flywheel End)	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise
Cooling	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
Dry Weight (kg) (Approx)	580	580	570	580
Rated Speed (rpm)	1500	1500	1500	2400
Max. Power Ps(Industrial)	-	-	-	164.0
Max. Torque(Nm) @ Speed(rpm)	-	-	-	575 NM @ 1400 rpm
Rated Power Ps (Genset)	136.0	153.6	97.0	-
Application	Genset	Genset	Genset	Industrial

## Technical Specifications of Cooper Engines : 6 Cylinder Engine

No. Of Cylinder	6	6	6	6	6	6
Fuel	HSD #2	HSD #2	HSD #2	HSD #2	Natural Gas	HSD #2
Version	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Bore ( in mm)	107	107	107	107	107	107
Stroke (in mm)	126	126	126	126	126	126
Displacement (in cm <sup>3</sup> )	6800	6800	6800	6800	6800	6800
Compression Ratio	17.5:1	17.5:1	17.5:1	17.5:1	12:1	17.5:1
Direction Of Rotation(From Flywheel End)	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise	Anticlockwise
Cooling	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled	Liquid Cooled
Dry Weight (kg) (Approx)	700	700	700	700	690	700
Rated Speed (rpm)	1500	1500	1500	1500	1500	2400
Max. Power Ps(Industrial)	-	-	-	-	-	285.3
Max. Torque(Nm) @ Speed(rpm)	-	-	-	-	-	960 NM @ 1400 rpm
Rated Power Ps (Genset)	203.9	231.1	258.3	310.0	155.0	-
Application	Genset	Genset	Genset	Genset	Genset	Industrial

Note: Due to continuous development and product improvements, the specification/details are subject to change without prior notice.



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