

# KOHLER<sup>®</sup> DIESEL KDI

## Genset Power Unit



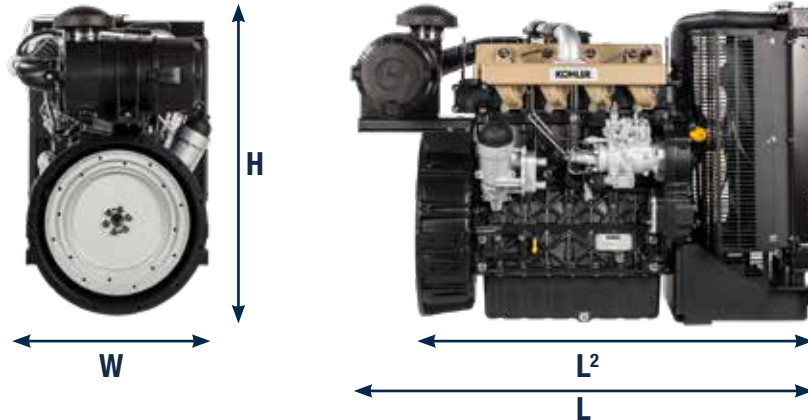
**KOHLER<sup>®</sup>**  
IN POWER. SINCE 1920.

# GENSET POWER UNIT

## DIESEL ENGINES

### STANDARD EQUIPMENT

Blowing fan  
Fan guard  
Radiator  
Air cleaner



High power density  
Low fuel consumption  
Minimum 500 hours oil change interval

Environmentally friendly  
High comfort (low vibration & noise)  
High reliability

### TECHNICAL DATA

ENGINE MODEL	n. of cilinder	Air intake	Bore & Stroke (mm)	Engine displ. (cm3)	Total lubrication system capacity (l)	Weight (incl. cooling syst.) (kg)	Governing standard	Flywheel & housing	Dimensions (L - L <sup>2</sup> - H - W)
KDI 1903M	3	Natural	88 x 102	1861	8.9	235	G2	SAE 4/7" 1/2	897 - 720 - 761 - 528
KDI-M 1903 E5/15	3	Natural	88 x 102	1861	8.9	235	G2	SAE 4/7" 1/2	897 - 720 - 761 - 528
KDI 2504M	4	Natural	88 x 102	2482	11.5	270	G2	SAE 4/7" 1/2	1003 - 826 - 761 - 528
KDI 2504TM-30	4	Turbo	88 x 102	2482	11.5	290	G2	SAE 3/11" 1/2	1038 - 870 - 758 - 604
KDI 2504TM-40	4	Turbo	88 x 102	2482	11.5	290	G2	SAE 3/11" 1/2	1101 - 933 - 755 - 583
KDI 1903TCR	3	Turbo+ Charge After Cooler	88 x 102	1861	8.9	320	G3	SAE 4/7"1/2	1061 - 863 - 893 - 717
KDI 2504TCR	4	Turbo+ Charge After Cooler	88 x 102	2482	11.5	335	G3	SAE 4/7"1/2	1251 - 1055 - 951 - 713
KDI 3404TM	4	Turbo	96 x 106	3359	15.6	447	G2	SAE 3/11" 1/2	1251 - 1055 - 951 - 713
KDI 3404TM CAC	4	Turbo+ Charge After Cooler	96 x 106	3359	15.6	451	G2	SAE 3/11" 1/2	1251 - 1055 - 963 - 714
KDI 3404TCR	4	Turbo+ Charge After Cooler	96 x 106	3359	15.6	451	G3	SAE 3/11" 1/2	1251 - 1055 - 963 - 714

## 50 HZ @1500 rpm

### POWER\*

ENGINES	Stand-by Power (kW/hp)	Prime power (kW/hp)	Emission compliance	Flex solution
KDI 1903M	19.0 / 25.5	17.3 / 23.1	Stage IIIA	EA (no ATS)
KDI 2504M	25.4 / 34.0	23.1 / 30.9	Stage IIIA	EA (no ATS)
KDI 2504TM-30	32.0 / 42.9	29.1 / 39.0	Stage IIIA	EA (no ATS)
KDI 2504TM-40 EU	36.9 / 49.4#	33.5 / 45.0	Stage IIIA	EA (no ATS)
KDI 2504TM-40	41.0 / 54.9	37.3 / 50.0	Not emitted	NE (no ATS)
KDI 3404TM	61.0 / 81.7	55.5 / 74.3	Not emitted	NE (no ATS)
KDI 3404TM CAC	61.5 / 82.4	55.9 / 74.9	Stage IIIA	EA (no ATS)
KDI-M 1903E5/15	18.9 / 25.3	17.3 / 23.1	Stage V	E5 (no ATS)
KDI-TCR 1903E5/15	35.3 / 47.3	32.1 / 43.0	Stage V	E5 (EGR+DOC+DPF)
KDI-TCR 2504E5/15	47.1 / 63.1	42.8 / 57.4	Stage V	E5 (EGR+DOC+DPF)
KDI-TCR 3404E5/15	-	55.0 / 73.7 #	Stage V	E5 (EGR+DOC+DPF)
KDI-TCR SCR 3404E5/15	90.9 / 121.8	100 / 134	Stage V	E5 (EGR+DOC+DPF+SCR)

## 60 HZ @1800 rpm

### POWER\*

ENGINES	Stand-by Power (kW/hp)	Prime power (kW/hp)	Emission compliance	Flex solution
KDI 1903M	18.4 / 24.7#	16.7 / 22.4	Tier 4 F	U4 (no ATS)
KDI 1903M	21.0 / 28.1	19.1 / 25.6	Tier 3	U3 (no ATS)
KDI 2504M	29.5 / 39.5	26.8 / 35.9	Tier 3	U3 (no ATS)
KDI 2504TM	36.4 / 48.8	33.1 / 44.3	Tier 3	U3 (no ATS)
KDI 1903TCR	37.0 / 49.6	33.6 / 45.1	Tier 4 F	U4 (EGR+DOC)
KDI 2504TCR	47.1 / 63.1	42.8 / 57.4	Tier 4 F	U4 (EGR+DOC)
KDI 3404TCR	-	55.4 / 74.2#	Tier 4 F	U4 (EGR+DOC)
KDI 3404TM CAC	70.0 / 93.8	63.6 / 85.3	Tier 3	U3 (no ATS)
KDI 3404TCR SCR	77.5 / 103.9	70.5 / 94.4	Tier 4 F	U4 (EGR+DOC)

\* Engine power rated according to ISO 3046 rules, after running period in ambient conditions of 20°C and 1 bar.

Engine power Continuous (Prime) power can be overloaded of 10% for 1 h every 12 hours operation. Intermittent (Standby) power cannot be overloaded. Power levels drop by 1% every 100 m altitude and by 2% every 5°C above +25°C.

Fuel specification No 1 Diesel (US) - ASTM D 975-09 B - Grade 1-D S 15 and No 2 Diesel (US) - ASTM D 975-09 B - Grade 2-D S 15, S 500 for mechanical models only.

# Prime Power no overload

For more information, contact your KOHLER source of supply.  
Kohler Co. reserves the right to make modifications without prior notice.

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