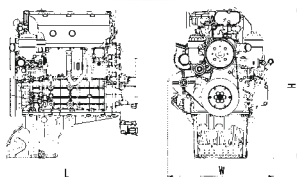




Industrial

DIESEL ENGINE 4R 924 C

for C&I, Mining, Agriculture and Forestry applications



manufactured by



customized by



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
4R 924 C01	830 x 645 x 925 (33 x 25 x 36)	405 (893)
4R 924 C02	830 x 645 x 925 (33 x 25 x 36)	415 (915)

All dimensions are approximate, for complete information refer to the installation drawing.

Engine		
Bore/stroke	mm (in)	106/136 (4.2/5.4)
Cylinder configuration		4 cyl./In-line
Displacement/cylinder	l (cu in)	1.20 (73)
Displacement, total	l (cu in)	4.8 (293)
Fuel specification		EN 590, Grade No.1-D/2-D

Optional equipment and finishing shown. Standard may vary.

	Rated power ICFN			Peak torque			Optimization
	kW	bhp	rpm	Nm	lb-ft	rpm	
Application	Heavy duty operation (5A)						
4R 924 C22	95	127	2200	550	406	1200-1600	38, 39
Application	Medium duty operation (5B)						
4R 924 C71	145	194	2200	705	520	1200-1600	20, 23, 31
4R 924 C52	115	154	2200	610	450	1200-1600	38, 39
4R 924 C62	129	173	2200	675	498	1200-1600	38, 39
4R 924 C72	150	201	2200	800	590	1200-1600	38, 39

Optimization: 20 EPA Nonroad T3 Comp (40CFR89)
23 EU Nonroad St IIIA Comp (97/68/EC)
31 China NRMM Stage III (GB20981-2014)

38 EPA Nonroad T4i Comp (40CFR1039)
39 EU Nonroad St IIIB Comp (97/68/EC)



A Rolls-Royce
solution

Application	Power definition	
5A	Continuous operation w/100% load	Load factor: ≥ 60 %, operating hours: unrestricted, overload: fuel stop (ICFN)
5B	Continuous operation w/variable load	Load factor: < 60 %, operating hours: unrestricted, overload: fuel stop (ICFN)

Power output within 5% tolerance at standard conditions. Power definition according to ISO 3046 (ratings also correspond to SAE J 1995 and SAE J 1349 standard conditions)
Consult your distributor/dealer for the rating that will apply to your specific application.

Standard equipment	
Starting system	Electrical starter 24 V, alternator 28 V/80 A
Fuel system	High pressure fuel injection with solenoid-valve controlled unit injection pumps and multijet fuel injectors, fuel filter
Lube oil system	Oil filter
Air system	Turbo charging with charge-air cooling
Exhaust gas system	Tree valves per cylinder
Coolant system	Water-charge-air cooling
Flywheel/housing	SAE 2
Engine mounting	Resilient
Electronics and instrumentation	Electronic engine management
SCR aftertreatment system	Engine mounted SCR components with urea dosing unit, urea injection nozzle and heating valve, (engines with EPA Tier 4i/vehicle mounted SCR components with SCR catalyst including muffler, urea supply unit and SCR control unit EU Stage 3B certification only)
Optional equipment	
on request	

Reference conditions:

- > Intake-air temperature: 25°C (77°F)
- > Ambient air pressure: 1000 mbar (14.5 psi)
- > Altitude above sea level: 100 m (328 ft)

Subject to change without notice. Customization possible.

Engines illustrated in this document may feature options not fitted as standard.