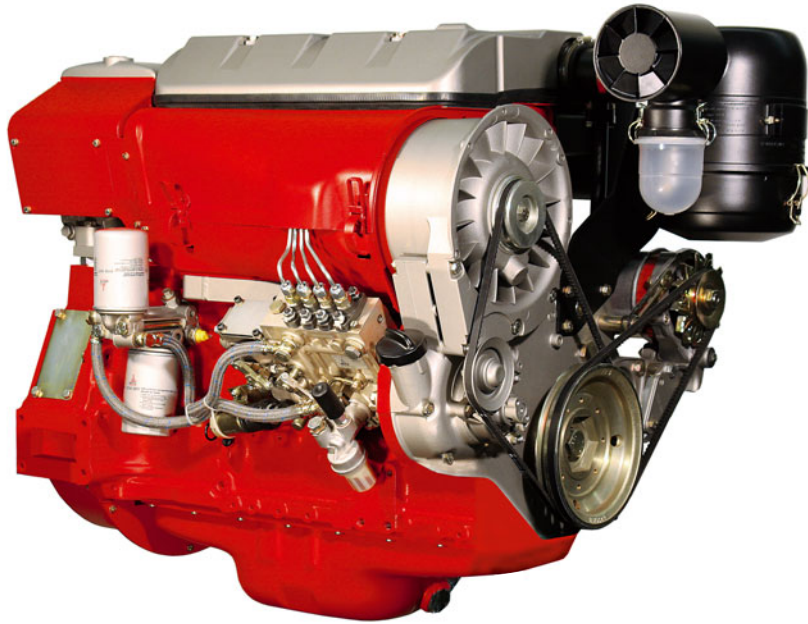


D 914

The Construction Equipment Engine.
42.7–129.9 kW | 57.3–174.2 hp at 2300 rpm



The engine company.



Your benefits

- Space saving and cost effective installation due to low weight and same installation dimensions as previous emission standard.
- Low maintenance requirements and legendary durability.
- Low exhaust emissions, meets exhaust regulations 2004/26/EU, Step III A and U.S.A. Nonroad CFR 40, Part 89, TIER III.
- Combination of high quality and ingeniously simple design.
- Global service network with over 1,000 locations.

Characteristics

Air-cooled 3- to 6-cylinder naturally aspirated in-line-engines | 6-cylinder turbocharged, charge air cooled | Displacement: 1.1 liter/cylinder | Modular system with single cylinder units | Advanced injection and combustion system | Worldwide approved: more than 4.5 million engines in use | 100 percent power take-off on the flywheel side and on the face end | Possibility of power take-off for hydraulic pumps and compressor | Only few maintenance points | Compact power-pack with low weight

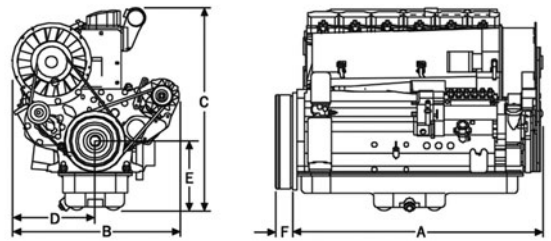
Engine type		D 914 L3	D 914 L4	D 914 L5	D 914 L6	TCD 914 L6
Number of cylinders		3	4	5	6	6
Bore/stroke	mm	102/132	102/132	102/132	102/132	102/132
	inch	4.01/5.19	4.01/5.19	4.01/5.19	4.01/5.19	4.01/5.19
Swept volume	l cu. inch	3.2 197	4.3 263	5.4 329	6.5 395	6.5 395
Compression ratio		1 : 21	1 : 21	1 : 21	1 : 21	1 : 19
Maximum rated speed	rpm	2300	2300	2300	2300	2300
Mean piston speed	m/s ft-sec	10 32.8	10 32.8	10 32.8	10 32.8	10 32.8

Performance for construction equipment engines ¹⁾

Power rating	kW gross hp	42.7 57.3	57.9 77.6	72.5 97.2	86.5 116.0	129.9 174.2
At speed	rpm	2300	2300	2300	2300	2300
Mean effective pressure	bar psi	6.9 100.0	7.0 101.5	7.0 101.5	7.0 101.5	10.5 152.2
Power ratings for installed engines						
Highly intermittent operation	kW gross hp	42.7 57.3	57.9 77.6	72.5 97.2	86.5 116.0	129.9 174.2
At speed	rpm	2300	2300	2300	2300	2300
Mean effective pressure	bar psi	6.9 100.0	7.0 101.5	7.0 101.5	7.0 101.5	10.5 152.2
Intermittent operation	kW gross hp	40.7 54.6	54.3 72.8	68.5 91.8	92.2 123.6	123.4 165.5
At speed	rpm	2300	2300	2300	2300	2300
Mean effective pressure	bar psi	6.6 95.7	6.6 95.7	6.6 95.7	6.6 95.7	10.0 145.0
Max. torque	Nm lb-ft	202 273.9	270 366.1	333 451.5	375 508.5	635 861.1
At speed	rpm	1500	1500	1500	1500	1600
Minimum idle speed	rpm	650	650	650	650	650
Specific fuel consumption ²⁾	g/kWh lb/hp-hr				222 0.365	210 0.345
Weight to DIN 70020, part 7A ³⁾	kg lb	284 626.1	315 694.4	390 859.8	440 970.0	510 1124.4

Dimensions

in mm	A	B	C	D	E	F	A+F
D 914 L3	595	696	795	346	267	108.5	703.5
D 914 L4	725	696	796	346	268	86	811
D 914 L5	870	696	833	346	305	88.5	958.5
D 914 L6	995	675.5	885	335	341	88.5	1083.5
TCD 914 L6	1174	720	987.5	659.5	328	88	1262
in inch							
D 914 L3	23.4	27.4	31.3	13.6	10.5	4.3	27.7
D 914 L4	28.5	27.4	31.3	13.6	10.5	3.4	31.9
D 914 L5	34.2	27.4	32.8	13.6	12.0	3.5	37.7
D 914 L6	38.2	26.6	34.8	13.2	13.4	3.5	42.7
TCD 914 L6	46.2	28.3	38.9	26.0	12.9	3.5	49.7



1) Output data without cooling system.

2) At optimal operating point without cooling fan, based on diesel fuel with a specific gravity of 0.835 kg/dm³ at 15 °C (6.96 lb/US gallon at 60 °F).

3) Without starter motor/alternator, but with flywheel, flywheel housing, lubricating oil, and cooling system.

The specifications in this data sheet are for information purposes only and are not binding values.

The specifications in the quote are determinative.