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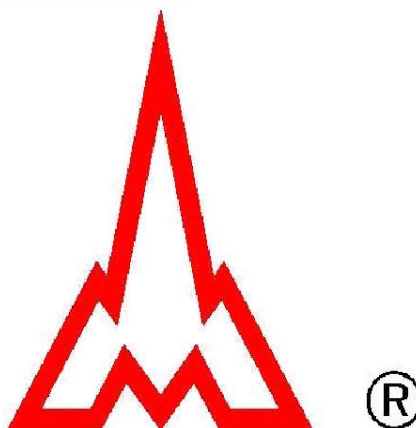
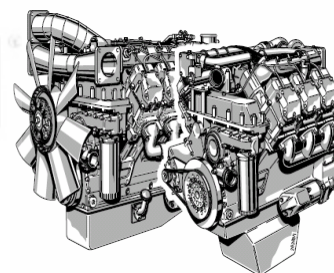
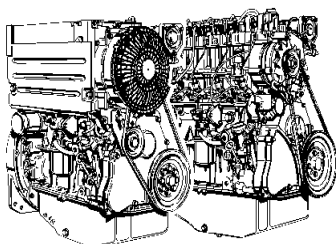
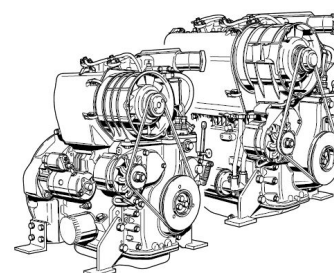
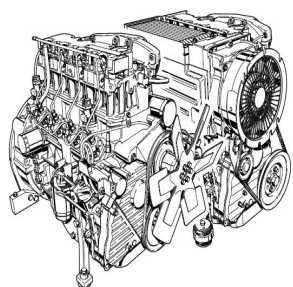
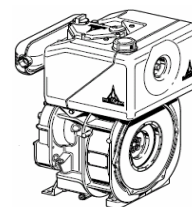
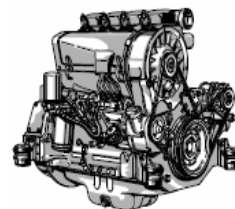
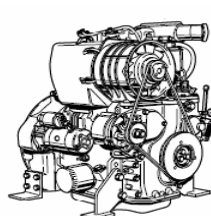
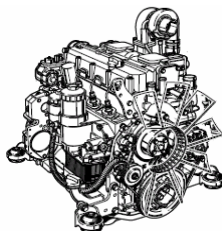
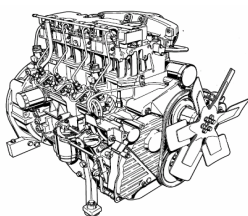
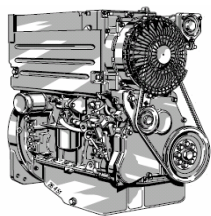
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The engine company.

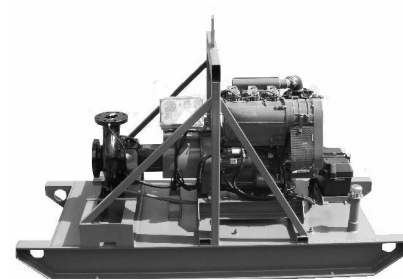
DEUTZ POWER PRODUCTS



DEUTZ

Power

Air cooled & Liquid cooled Engines



We Love Engines

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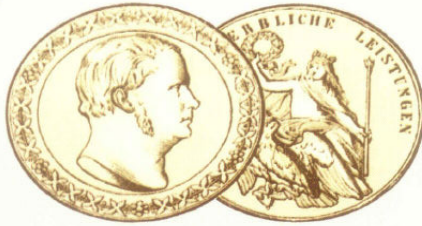
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Goldene Staats-Medaille
Düsseldorf 1880.

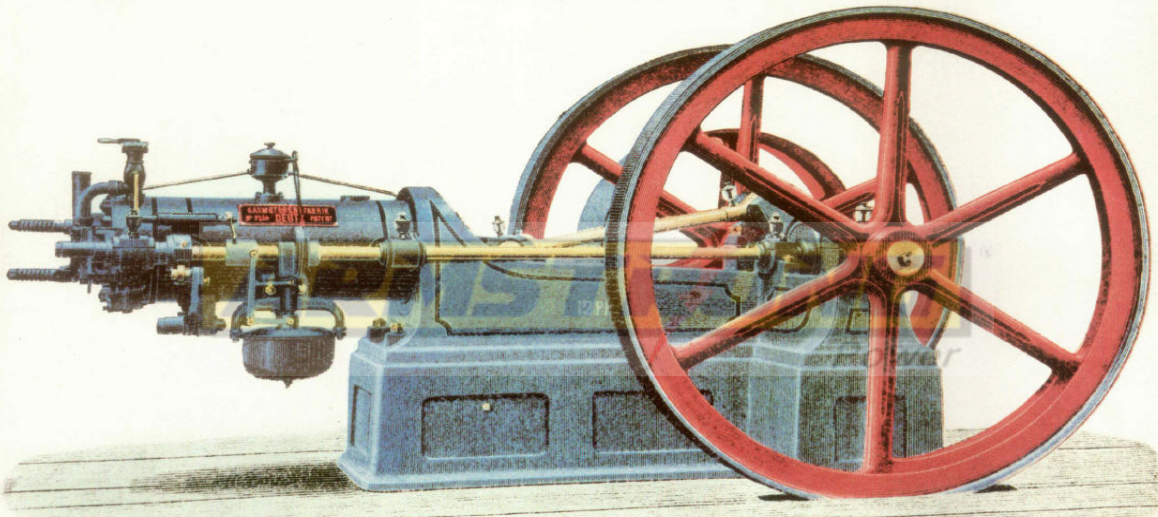
Ehrendiplom
(höchste Auszeichnung)
Weltausstellung
Antwerpen 1885.



Gasmotoren-Fabrik Deutz

DEUTZ

bei
KÖLN.



Otto's neuer Motor

(durch Patente geschützt)

betrieben mit
Oelgas.



Oelgasfabrik System Hirzel.

betrieben mit
Oelgas.

PROGRESS WITH TRADITION

Practically all engines can trace their origin to the first DEUTZ. From this 1867 "Atmospheric Gas Power Machine" the company founder, Nicolaus August Otto, developed the first series 4-cycle engine. Its basic concept has left its imprint on the engine industry to this present day.

As far as DEUTZ is concerned, each modern DEUTZ engine symbolizes Otto's legacy, his progressive thinking and his proverbial demand for quality.

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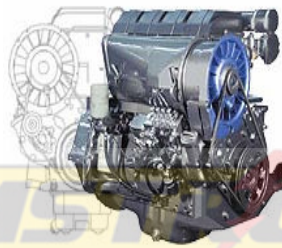
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Air cooled engines

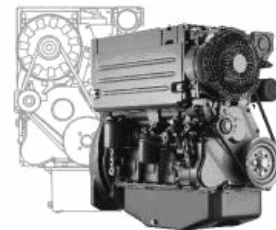
Marine



Generation



Automotive



Construction



Mining



We move your world.



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The engine company.

DEUTZ AIR COOLED ENGINES (DIRECT INJECTION)

AVERAGE FUEL CONSUMPTION & COOLING & COMBUSTION AIR & EXHAUST GAS VOLUME

ENGINE TYPE	NET ENGINE OUTPUT TO ISO 3046/1 "IFN" RATING			FUEL COMSUMP. @ 80% LOAD	COOLING AIR VOLUME @ 100%	COMBUST. AIR VOLUME @ 100%	EXHAUST GAS VOLUME @ 100% LOAD	EXHAUST FLANGE DIA
	RPM	kW	HP	LTR/H	m ³ /h	m ³ /h	m ³ /h	MM
D909L1	1500k	15.7k	21.5k	11.3k	141k	32.2k	33.7k	k
	2300k	18.2k	25.1k	11.9k	267k	49.4k	51.5k	N/Ak
	3000k	20.3k	28k	12.5k	381k	64.0k	66.7k	k
F2L2011	2300k	20.1k	27.0k	14.6k	1194k	90.0k	245.0k	N/Ak
	2800k	22.5k	31.0k	15.6k	1433k	110.0k	300.0k	k
F3L2011	2300k	29.3k	40.2k	16.7k	1205k	135.0k	365.0k	N/Ak
	2800k	34.0k	46.5k	18.3k	1466k	165.0k	450.0k	k
F4L2011	2300k	42.0k	57.0k	19.5k	1616k	178.0k	485.0k	N/Ak
	2800k	47.8k	65.0k	11.6k	1967k	220.0k	585.0k	k
BF3L2011	2300k	38.9k	53.0k	18.0k	1780k	205.0k	560.0k	N/Ak
	2800k	44.9k	61.0k	10.6k	2170k	270.0k	750.0k	k
BF4L2011	2300k	50.0k	68.0k	11.1k	1930k	265.0k	730.0k	N/Ak
	2800k	58.1k	79.0k	14.1k	2350k	345.0k	970.0k	k
F3L912	1500k	25.0k	34.0k	15.2k	1565k	115.0k	317.0k	k
	1800k	29.0k	40.0k	16.1k	1875k	137.0k	380.0k	N/Ak
	2300k	36.0k	49.0k	18.1k	2400k	176.0k	488.0k	k
F4L912	1500k	34.0k	46.0k	17.0k	1810k	158.0k	422.0k	k
	1800k	40.0k	54.0k	18.4k	2170k	183.0k	507.0k	N/Ak
	2300k	49.0k	66.0k	11.0k	2770k	235.0k	652.0k	k
F5L912	1500k	42.0k	57.0k	18.7k	2630k	192.0k	528.0k	k
	1800k	50.0k	68.0k	10.5k	3155k	228.0k	633.0k	N/Ak
	2300k	61.0k	83.0k	13.6k	4030k	293.0k	813.0k	k
F6L912	1500k	51.0k	69.0k	10.6k	2610k	230.0k	633.0k	k
	1800k	60.0k	82.0k	12.6k	3135k	274.0k	760.0k	N/Ak
	2300k	74.0k	100.0k	16.5k	4005k	352.0k	976.0k	k
F6L913	1500k	55.0k	75.0k	11.3k	2823k	248.0k	633.0k	k
	1800k	65.0k	88.0k	14.1k	3388k	298.0k	760.0k	N/Ak
	2300k	79.0k	107.0k	18.4k	4329k	380.0k	976.0k	k
BF4L913	1500k	52.0k	71.0k	10.2k	2570k	205.0k	556.0k	k
	1800k	61.0k	83.0k	12.2k	3085k	280.0k	742.0k	N/Ak
	2300k	74.0k	101.0k	15.8k	3940k	380.0k	1045.0k	k
BF6L913	1500k	74.0k	100.0k	15.7k	3655k	335.0k	920.0k	k
	1800k	88.0k	119.0k	18.8k	4390k	455.0k	1220.0k	81.0k
	2300k	104.0k	142.0k	24.5k	5605k	625.0k	1700.0k	k
BF6L913C	1500k	85.0k	116.0k	16.8k	4475k	400.0k	1040.0k	k
	1800k	105.0k	143.0k	20.9k	5370k	530.0k	1450.0k	81.0k
	2300k	125.0k	170.0k	26.9k	6865k	725.0k	1985.0k	k
F3L914	1500k	30.5k	41.5k	15.6k	1650k	131.0k	358.0k	k
	1800k	35.5k	48.3k	16.6k	1980k	157.0k	426.0k	k
	2300k	42.5k	57.8k	18.5k	2750k	201.0k	550.0k	k
F4L914	1500k	40.5k	55.1k	17.5k	1904k	174.0k	476.0k	k
	1800k	47.5k	64.6k	18.9k	2285k	209.0k	572.0k	k
	2300k	57.0k	77.5k	11.4k	2920k	267.0k	729.0k	k
F5L914	1500k	51.0k	69.4k	19.4k	2630k	218.0k	596.0k	k
	1800k	59.0k	80.2k	11.0k	3155k	262.0k	710.0k	k
	2300k	71.5k	97.2k	14.3k	4030k	334.0k	917.0k	k
F6L914	1500k	61.5k	83.6k	11.3k	2823k	262.0k	715.0k	k
	1800k	71.0k	96.6k	13.2k	3388k	315.0k	853.0k	k
	2300k	86.0k	117.0k	17.2k	4329k	401.0k	1100.0k	k
BF4L914	1500k	52.0k	71.0k	19.8k	2570k	216.0k	607.0k	k
	1800k	61.0k	83.0k	11.5k	3085k	295.0k	809.0k	k
	2300k	73.0k	99.3k	14.6k	3940k	400.0k	1140.0k	k
BF6L914	1500k	85.0k	115.6k	15.8k	3655k	353.0k	1004.0k	k
	1800k	101.0k	136.4k	18.9k	4390k	479.0k	1331.0k	80.0k
	2300k	120.0k	163.2k	24.7k	5605k	658.0k	1855.0k	k
BF6L914C	1500k	85.0k	116.0k	16.8k	4475k	353.0k	1135.0k	k
	1800k	105.0k	143.0k	20.7k	5370k	479.0k	1582.0k	k
	2300k	125.0k	170.0k	26.2k	6865k	658.0k	2165.0k	k

k

Note: N/Ak=not available

Calorific value of fuel 41.900Kj/Kgk

Specific gravity of fuel 0.830gr/ltrk

Exhaust gas volume behind manifold at actual temperaturek



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The engine company.

AIR COOLED ENGINE SPECIFICATIONS

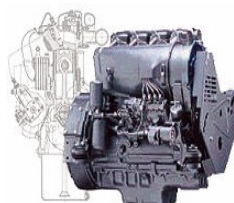
909 Series



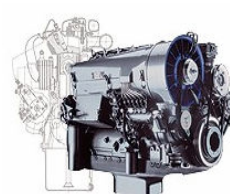
910 Series



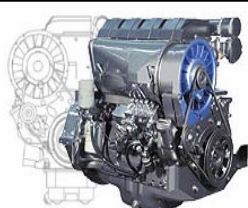
912 Series



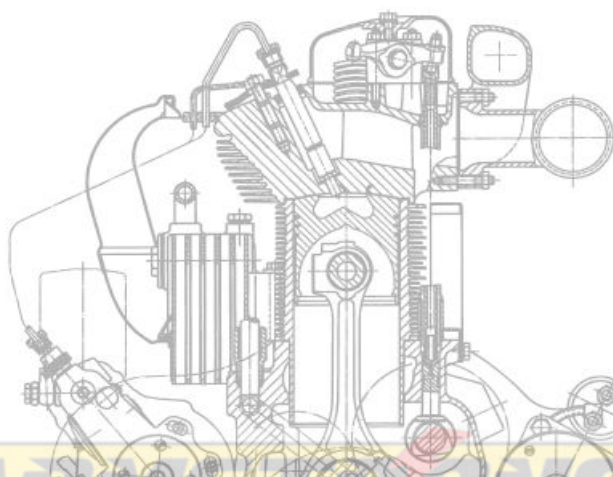
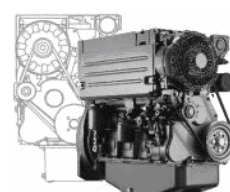
913 Series



914 Series



2011 Series



SPECIFICATIONS

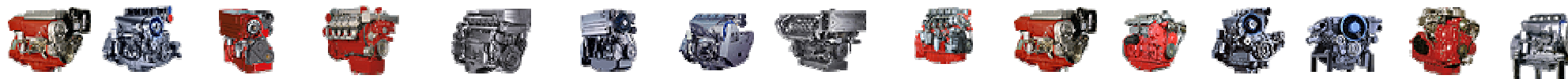
Engine	Cyl	Type	Intermittent kW / RPM	Continuous kW / RPM	Max Torque Nm	Bore mm	Stroke mm	Disp Ltrs	Max Speed rpm	Minimum Idle speed rpm
D909L1k	1k	NAk	10.5/3000k	9.4/3000k	38/2000k	95k	100k	0.7k	3000k	850k
D910L2k	2k	NAk	25.5/3000k	22.5/3000k	90/1900k	100k	105k	1.6k	3000k	650k
D910L3k	3k	NAk	38.8/3000k	34.9/3000k	135/1900k	100k	105k	2.5k	3000k	650k
F2L2011k	2k	NAk	22.5/2800k	21.8/3000k	78/1750k	94k	112k	1.55k	2800k	900k
F3L2011k	3k	NAk	35.8/2800k	34.0/3000k	130/1700k	94k	112k	2.33k	2800k	900k
F4L2011k	4k	NAk	47.8/2800k	45.4/2800k	180/1700k	94k	112k	3.11k	2800k	900k
BF3L2011k	3k	Tk	44.9/2800k	42.6/2800k	172/1700k	94k	112k	2.33k	2800k	900k
BF4L2011k	4k	Tk	58.1/2800k	55.1/2800k	229/1700k	94k	112k	3.11k	2800k	900k
F3L912k	3k	NAk	38.0/2500k	35.0/2300k	160/1500k	100k	120k	2.83k	2500k	650k
F4L912k	4k	NAk	51.0/2500k	46.0/2300k	215/1500k	100k	120k	3.77k	2500k	650k
BF4L913k	4k	Tk	72.0/2500k	66.0/2300k	316/1550k	102k	125k	4.1k	2500k	650k
F5L912k	5k	NAk	65.0/2500k	61.0/2300k	290/1500k	100k	120k	4.71k	2500k	650k
F6L912k	6k	NAk	78.0/2500k	74.0/2300k	320/1500k	100k	120k	5.66k	2500k	650k
F3L913k	3k	NAk	42.0/2500k	39.0/2300k	175/1500k	102k	125k	3.1k	2500k	650k
F4L913k	4k	NAk	56.0/2500k	53.0/2300k	240/1500k	102k	125k	4.1k	2500k	650k
F6L913k	6k	NAk	85.0/2500k	79.0/2300k	350/1500k	102k	125k	6.12k	2500k	650k
BF6L913k	6k	Tk	109.0/2500k	99.0/2300k	480/1500k	102k	135k	6.12k	2500k	650k
BF6L913Ck	6k	Tk	131.0/2500k	118.0/2300k	580/1550k	102k	135k	6.12k	2500k	650k
F3L914k	3k	NAk	45.5/2500k	42.5/2300k	202/1500k	102k	135k	3.2k	2500k	650k
F4L914k	4k	NAk	60.5/2500k	57.0/2300k	270/1500k	102k	135k	4.3k	2500k	650k
F6L914k	6k	NAk	91.0/2500k	86.0/2300k	400/1500k	102k	135k	6.5k	2500k	650k
BF6L914k	6k	Tk	125.0/2500k	118.0/2300k	590/1600k	102k	135k	6.5k	2500k	650k

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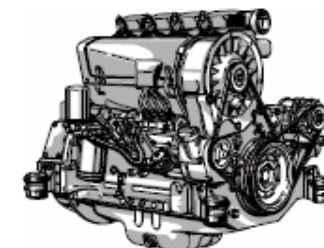
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AIR COOLED INTERMITTENT RATING



MODEL	RPM																	
	1500		1800		2000		2150		2300		2500		2600		2800		3000	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
D909L1	15.5k	21.4k	16.7k	22.9k	17.6k	24.2k	18.1k	25.0k	8.6k	11.6k	19.3k	26.5k	9.6k	13.2k	10.1k	13.8k	10.5k	14.3k
D910L2	14.0k	19.1k	17.2k	23.4k	18.8k	25.6k	20.2k	27.5k	21.6k	29.4k	23.3k	31.7k	23.9k	32.0k	25.0k	34.0k	25.5k	34.7k
D910L3	20.5k	27.9k	25.5k	34.7k	28.8k	39.2k	30.7k	41.6k	32.7k	44.1k	35.0k	47.6k	35.9k	48.8k	37.7k	51.3k	38.8k	52.8k
F2L2011	■k	■k	■k	■k	17.7k	24.1k	18.9k	25.7k	20.1k	27.3k	21.3k	29.0k	22.0k	29.9k	22.5k	31.3k	■k	■k
F3L2011	■k	■k	■k	■k	27.2k	37.0k	29.0k	39.5k	30.9k	42.0k	32.8k	44.6k	33.9k	46.1k	35.8k	48.7k	■k	■k
F4L2011	■k	■k	■k	■k	37.0k	50.3k	39.5k	53.7k	42.0k	57.1k	44.0k	59.8k	45.2k	61.5k	47.8k	65.0k	■k	■k
BF3L2011	■k	■k	■k	■k	34.6k	47.1k	36.7k	50.0k	38.9k	52.9k	41.7k	56.7k	42.0k	57.1k	44.9k	61.1k	■k	■k
BF4L2011	■k	■k	■k	■k	45.0k	61.2k	47.5k	64.6k	50.0k	68.0k	53.5k	72.8k	54.9k	74.7k	58.1k	79.0k	■k	■k
F3L912	25.0k	34.0k	29.0k	39.0k	32.0k	44.0k	35.0k	48.0k	36.0k	49.0k	38.0k	52.0k	■k	■k	■k	■k	■k	■k
F4L912	34.0k	46.0k	40.0k	54.0k	44.0k	60.0k	46.0k	63.0k	49.0k	67.0k	51.0k	69.0k	■k	■k	■k	■k	■k	■k
F5L912	42.0k	57.0k	50.0k	68.0k	55.0k	75.0k	58.0k	79.0k	61.0k	83.0k	65.0k	88.0k	■k	■k	■k	■k	■k	■k
F6L912	51.0k	69.0k	60.0k	82.0k	66.0k	90.0k	70.0k	95.0k	74.0k	101.0k	78.0k	106.0k	■k	■k	■k	■k	■k	■k
F3L913	27.0k	37.0k	32.0k	43.0k	35.0k	48.0k	37.0k	50.0k	39.0k	53.0k	42.0k	57.0k	■k	■k	■k	■k	■k	■k
F4L913	37.0k	50.0k	43.0k	58.0k	48.0k	65.0k	50.0k	68.0k	53.0k	72.0k	56.0k	76.0k	■k	■k	■k	■k	■k	■k
F6L913	55.0k	75.0k	65.0k	88.0k	72.0k	98.0k	76.0k	103.0k	79.0k	107.0k	85.0k	115.0k	■k	■k	■k	■k	■k	■k
BF4L913	49.0k	66.6k	58.0k	78.9k	64.0k	87.0k	67.0k	91.1k	69.0k	93.8k	72.0k	97.9k	■k	■k	■k	■k	■k	■k
BF6L913	74.0k	101.0k	88.0k	120.0k	96.0k	131.0k	100.0k	136.0k	104.0k	141.0k	109.0k	148.0k	■k	■k	■k	■k	■k	■k
BF6L913C	85.0k	116.0k	105.0k	143.0k	114.0k	155.0k	118.0k	160.0k	125.0k	170.0k	131.0k	178.0k	■k	■k	■k	■k	■k	■k
F3L914	30.5k	41.5k	35.5k	48.3k	38.5k	52.4k	40.5k	55.1k	42.5k	57.8k	45.5k	61.9k	■k	■k	■k	■k	■k	■k
F4L914	40.5k	55.1k	47.5k	64.6k	51.0k	69.4k	54.0k	73.4k	57.0k	77.5k	60.5k	82.3k	■k	■k	■k	■k	■k	■k
F5L914	51.0k	69.4k	59.0k	80.2k	64.5k	87.7k	68.0k	92.5k	71.5k	97.2k	76.0k	103.4k	■k	■k	■k	■k	■k	■k
F6L914	61.5k	83.6k	71.0k	96.6k	77.5k	105.4k	81.5k	110.8k	86.0k	117.0k	91.0k	123.8k	■k	■k	■k	■k	■k	■k
BF4L914	52.0k	70.7k	61.0k	83.0k	68.0k	92.5k	71.0k	96.6k	73.0k	99.3k	76.0k	103.4k	■k	■k	■k	■k	■k	■k
BF6L914	85.0k	115.6k	101.0k	136.4k	110.0k	149.6k	115.0k	156.4k	120.0k	163.2k	125.0k	170.0k	■k	■k	■k	■k	■k	■k
BF6L914C	85.0k	116.0k	105.0k	143.0k	114.0k	155.0k	118.0k	160.0k	125.0k	170.0k	131.0k	178.0k	■k	■k	■k	■k	■k	■k

Power standard for industrial engines ISO 3046 F1 k
 Ambient barometric pressure total: 100 kPa k
 Ambient air temperature: 25°C k
 Relative humidity: 30% k

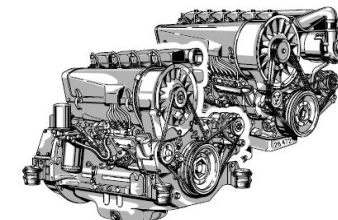
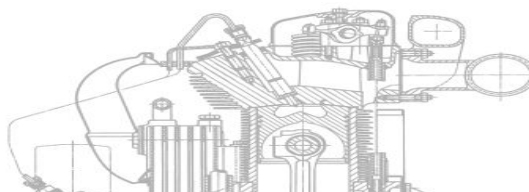


AIR COOLED CONTINUOUS RATING



MODEL	RPM																	
	1500		1800		2000		2150		2300		2500		2600		2800		3000	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
D909L1	14.9k	20.6k	6.0k	8.1k	11.6k	16.1k	17.2k	9.6k	23.7k	32.7k	18.3k	25.2k	8.5k	11.3k	19.0k	26.1k	29.4k	40.7k
D910L2	12.6k	17.1k	15.4k	21.0k	16.9k	23.0k	18.1k	24.7k	19.4k	26.4k	20.9k	28.5k	21.4k	28.7k	22.5k	30.6k	22.9k	31.2k
D910L3	18.4k	25.1k	22.9k	31.2k	25.9k	35.2k	27.6k	37.4k	29.4k	39.6k	31.5k	42.8k	32.3k	43.3k	33.9k	46.1k	34.9k	47.5k
F2L2011	12.0k	16.3k	15.4k	20.9k	16.8k	22.8k	17.9k	24.4k	19.1k	26.0k	20.2k	27.5k	20.9k	28.4k	21.8k	29.6k	22.9k	31.2k
F3L2011	18.7k	25.4k	23.6k	32.1k	25.8k	35.1k	27.5k	37.5k	29.3k	39.9k	31.1k	42.3k	32.2k	43.8k	34.0k	46.2k	34.9k	47.5k
F4L2011	25.0k	34.0k	32.0k	43.5k	35.1k	47.7k	37.5k	51.0k	39.9k	54.3k	41.8k	56.9k	42.9k	58.3k	45.4k	61.7k	42.9k	58.3k
BF3L2011	24.7k	33.6k	30.0k	40.8k	32.8k	44.6k	34.8k	47.4k	36.9k	50.2k	39.6k	53.9k	39.9k	54.3k	42.6k	57.9k	42.6k	57.9k
BF4L2011	33.0k	44.9k	41.0k	55.8k	42.7k	58.1k	45.1k	61.3k	47.5k	64.6k	50.8k	69.1k	52.1k	70.9k	55.1k	74.9k	55.1k	74.9k
F3L912	24.0k	33.0k	28.0k	38.0k	30.0k	41.0k	32.0k	44.0k	35.0k	48.0k	37.0k	50.0k	39.0k	52.0k	41.0k	55.0k	43.0k	58.0k
F4L912	32.0k	44.0k	38.0k	52.0k	41.0k	56.0k	44.0k	60.0k	46.0k	63.0k	49.0k	66.0k	51.0k	69.0k	54.0k	73.0k	56.0k	76.0k
F5L912	40.0k	54.0k	48.0k	65.0k	52.0k	71.0k	55.0k	75.0k	58.0k	79.0k	61.0k	83.0k	64.0k	87.0k	67.0k	91.0k	70.0k	95.0k
F6L912	48.0k	65.0k	57.0k	77.0k	63.0k	86.0k	66.0k	90.0k	70.0k	95.0k	74.0k	100.0k	77.0k	103.0k	81.0k	108.0k	84.0k	113.0k
F3L913	25.0k	34.0k	30.0k	41.0k	33.0k	45.0k	35.0k	48.0k	37.0k	50.0k	39.0k	52.0k	41.0k	55.0k	43.0k	58.0k	45.0k	61.0k
F4L913	34.0k	46.0k	41.0k	56.0k	45.0k	61.0k	48.0k	65.0k	50.0k	68.0k	54.0k	73.0k	57.0k	77.0k	60.0k	81.0k	63.0k	86.0k
F6L913	51.0k	69.0k	63.0k	86.0k	68.0k	93.0k	72.0k	98.0k	76.0k	103.0k	81.0k	108.0k	84.0k	113.0k	87.0k	118.0k	91.0k	123.0k
BF4L913	47.0k	63.9k	55.0k	74.8k	60.0k	81.6k	64.0k	87.0k	66.0k	89.8k	70.0k	95.0k	74.0k	100.0k	77.0k	103.0k	81.0k	108.0k
BF6L913	70.0k	95.0k	82.0k	111.0k	90.0k	122.0k	96.0k	131.0k	99.0k	135.0k	103.0k	139.0k	107.0k	144.0k	111.0k	149.0k	115.0k	156.0k
BF6L913C	81.0k	110.0k	99.0k	135.0k	108.0k	147.0k	112.0k	152.0k	118.0	160.0k	124.0k	169.0k	130.0k	178.0k	137.0k	187.0k	144.0k	196.0k
F3L914	29.0k	39.5k	33.5k	45.6k	36.5k	49.6k	38.5k	52.4k	40.5k	55.1k	43.0k	58.0k	45.0k	61.0k	48.0k	65.0k	50.0k	68.0k
F4L914	38.5k	52.4k	45.0k	61.2k	48.5k	66.0k	51.0k	69.4k	54.0k	73.4k	57.0k	77.0k	60.0k	81.0k	63.0k	86.0k	66.0k	90.0k
F5L914	48.5k	66.0k	56.0k	76.2k	61.0k	83.0k	64.0k	87.0k	68.0k	92.5k	71.0k	96.0k	74.0k	100.0k	77.0k	103.0k	81.0k	108.0k
F6L914	58.5k	79.6k	67.5k	91.8k	73.0k	99.3k	77.5k	105.4k	81.5k	110.8k	84.0k	113.0k	87.0k	118.0k	91.0k	123.0k	94.0k	128.0k
BF4L914	50.0k	68.0k	58.0k	78.9k	63.5k	86.4k	68.0k	92.5k	70.0k	95.2k	74.0k	100.0k	77.0k	103.0k	81.0k	108.0k	84.0k	113.0k
BF6L914	81.0k	110.2k	95.0k	129.2k	104.0k	141.4k	110.0k	149.6k	114.0	155.0k	120.0k	163.0k	126.0k	171.0k	132.0k	181.0k	138.0k	190.0k
BF6L914C	81.0k	110.0k	99.0k	135.0k	108.0k	147.0k	112.0k	152.0k	118.0	160.0k	124.0k	169.0k	130.0k	178.0k	137.0k	187.0k	144.0k	196.0k

k
Power standard for industrial engines ISO 3046 F1 k
Ambient barometric pressure total: 100 kPa k
Ambient air temperature: 25°C k
Relative humidity: 30%





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The engine company.

DEUTZ DIESEL ENGINES – AIR COOLED

Prices based on Australian Standard Scope of Supply

Series	Model	Cyl	Continuous kW / RPM	Housing & flywheel	Weight kg	Dimension mm L x W x H
900 Series						
Manual start	D909L1	1	19.4/3000		112	453x400x166
Electric start	D909L1	1	19.4/3000		120	453x400x166
	D910L2	2	22.9/3000	SAE 14x18"	185	540x502 x1687
	D910L3	3	34.9/3000	SAE 14x18"	229	708x522 x1689
2011 Series						
	F2L2011	2	21.8/2800	SAE 14x18/10"	213	540x 451x1683
	F3L2011	3	34.0/2800	SAE 14x18/10"	252	652x 495x1678
	F4L2011	4	45.4/2800	SAE 14x18/10"	295	763x 451x1703
	BF3L2011	3	42.6/2800	SAE 14x18/10"	261	652x495x1678
	BF4L2011	4	55.1/2800	SAE 14x18/10"	307	763x495x1703
	F2L2011 Whisper	2	21.8/2800	SAE 14x18/10"	247	558x1611x1750
	F3L2011 Whisper	3	34.0/2800	SAE 14x18/10"	288	669x1611x1750
	F4L2011 Whisper	4	45.4/2800	SAE 14x18/10"	295	780x1611x1770
	BF4L2011 Whisper	4	55.1/2800	SAE 14x18/10"	392	780x1611x1770
912 Series						
	F3L912	3	35.0/2300	SAE 13x18/10"	270	589x1679x1796
	F4L912	4	46.0/2300	SAE 13x18/10"	300	719x1679x1796
	F5L912 P/P	5	61.0/2300	SAE 13x10/11.5"	505	988x1679x1838
	F6L912 P/P	6	74.0/2300	SAE 13x10/11.5"	545	1118x1679x1808
913 Series						
	BF4L913	4	66.0/2300	SAE 13x10/11.5"	430	898 x1679x1800
	BF6L913	6	99.0/2300	SAE 13x10/11.5"	485	1108x1714x1876
	BF6L913 CK(*)	6	118.0/2300	SAE 13x10/11.5"	610	1137x1714x1990
914 Series						
	F3L914(*)	3	42.5/2300	SAE 13x18/10"	277	595x1696x1795
	F4L914	4	57.0/2300	SAE 13x18/10"	307	725x1696x1796
	F6L914	6	86.0/2300	SAE 13x10/11.5"	430	995x1676x1885
	BF6L914	6	118.0/2300	SAE 13x10/11.5"	485	1043x1714x1919



DEUTZ DIESEL ENGINES – AIR COOLED UNDERGROUND OPERATION

Scope: basic underground application 2 stage combustion engine without hydraulic oil coolers

Series	Model	Cyl	Continuous kW / RPM	Housing & flywheel	Weight kg	Dimension mm L x W x H
912 Series						
	F3L912W(*)	3	32.0/2500	SAE 13x18/10"	330	595x1665x1813
	F4L912W(*)	4	42.0/2500	SAE 13x18/10"	365	725x 665x1798
	F5L912W(*)	5	53.0/2500	SAE 13x10/11.5"	465	855x1665x1838
	F6L912W	6	63.0/2500	SAE 13x10/11.5"	500	985x 665x1808
914 Series Direct Injection	F6L914	6	79.0/2300	SAE 13x10/11.5"	430	995x1676 x1885

(*) Against firm order only

These are the characteristics of the 912W:

- Air cooled 3, 4, 5 and 6 cylinder in line engines.
- DEUTZ two stage combustion.
- PTO via gear, flywheel and belt pulley.
- Extremely compact design.
- High torque at low speed.
- Modular system with single cylinder arrangement and high degree of parts commonality.
- Customized component system with many different peripheral parts.



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DEUTZ DIESEL ENGINES – AIR COOLED GENSET SCOPE



Series	Model	Cyl	Continuous kW / RPM	Housing & flywheel	Weight kg	Dimension mm L x W x H
900 Series	k	k	k	k	k	k
k	D909L1k	1k	11.9kW/1500k	SAE15x16F1/2" k	113k	453x400x1665k
k	D909L1k	1k	9.4kW/3000k	SAE15x16F1/2" k	113k	453x400x1665k
k	D910L2k	2k	12.6kW/1500k	SAE14x17F1/2" k	185k	540x 502x1687k
k	D910L3k	3k	18.4kW/1500k	SAE14x17F1/2" k	229k	708x 522x1689k
1011 Series	k	k	k	k	k	k
	F2L1011Fk	2k	10.5kW/1500k	SAE14x18" k	213k	408x456x1702k
	F3L1011Fk	3k	16.0kW/1500k	SAE14x18" k	252k	515x456x1678k
	F4L1011Fk	4k	21.5kW/1500k	SAE14x18" k	295k	630x456x1702k
	BF4L1011Fk	4k	28.5kW/1500k	SAE14x18" k	307k	630x500x1702k
2011 Series	k	k	k	k	k	k
k	F2L2011k(*)	2k	11.4kW/1500k	SAE13x11.5" k	216k	408x456x1702k
k	F3L2011k(*)	3k	18.1kW/1500k	SAE13x11.5" k	256k	515x456x1678k
k	F4L2011k(*)	4k	26.2kW/1500k	SAE13x11.5" k	300k	630x456x1702k
k	BF4L2011k(*)	4k	34.6kW/1500k	SAE13x11.5" k	312k	630x500x1702k
912 Series			k	k		
k	F3L912k	3k	26.5kW/1500k	SAE13x18/10" k	330k	711x1679x1613k
k	F4L912k	4k	35.0kW/1500k	SAE13x18/10" k	365k	841x1679x1798k
k	F6L912k	6k	53.0kW/1500k	SAE13x18/10" k	500k	1118x1679x1808k
913 Series						
k	BF6L913k	6k	88.0kW/1500k	SAE13x18/10" k	585k	1108x1714x1875k
k	BF6L913Ck	6k	114.0kW/1500k	SAE13x18/10" k	610k	1137x1714x1990k
914 Series	k	k	k	k	k	k
k	F3L914k(*)	3k	31.0kW/1500k	SAE13x18/10" k	277k	647x1704x1811k
k	F4L914k	4k	41.0kW/1500k	SAE13x18/10" k	307k	777x1704x1796k
k	F6L914k	6k	62.0kW/1500k	SAE13x18/10" k	430k	1057x1704x1806k
k	BF6L914k	6k	88.0kW/1500k	SAE13x18/10/11.5" k	485k	1105x1742x1840k

(*) Against firm order only

DEUTZ DIESEL ENGINES – AIR COOLED



Series	Model	Cyl	IFN kW / RPM	Housing & flywheel	Weight kg	Dimension mm L x W x H
2011 Series	k	k	k	k	k	k
	F2L2011k	2k	23.0kW/2800k	SAE14x18/10" k	213k	540x451x1683k
k	F3L2011k	3k	35.8kW/2800k	SAE14x18/10" k	252k	652x495x1678k
k	F4L2011k	4k	47.8kW/2800k	SAE14x18/10" k	295k	763x 451x1703k
k	BF3L2011k	3k	44.9kW/2800k	SAE14x18/10" k	261k	652x495x1678k
k	BF4L2011k	4k	58.1kW/2800k	SAE14x18/10" k	307k	763x451x1703k
k	F2L2011kWWhisperk	2k	23.0kW/2800k	SAE14x18/10" k	247k	558x1611x1750k
k	F3L2011kWWhisperk	3k	35.8kW/2800k	SAE14x18/10" k	288k	669x1611x1750k
k	F4L2011kWWhisperk	4k	47.8kW/2800k	SAE14x18/10" k	295k	780x1611x1770k
k	BF4L2011kWWhisperk	4k	58.1kW/2800k	SAE14x18/10" k	392k	780x1611x1770k
912 Series	k	k	k	k	k	k
k	F3L912k	3k	40.0kW/2500k	SAE13x18/10" k	330k	595x1665x1813k
k	F4L912k	4k	54.0kW/2500k	SAE13x18/10" k	365k	725x1665x1798k
k	F6L912k	6k	82.0kW/2500k	SAE13x18/10/11.5" k	500k	985 x1665x1808k
913 Series	k	k	k	k	k	k
k	BF4L913k	4k	74.0kW/2500k	SAE13x18/10/11.5" k	430k	898x1679x1800k
k	BF6L913k	6k	118.0kW/2500k	SAE13x18/10/11.5" k	589k	1012x1695x1875k
k	BF6L913Ck	6k	136.0kW/2500k	SAE13x18/10/11.5" k	610k	1012x1711x1990k

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DEUTZ NATURAL – AIR COOLED GAS ENGINES

Scope of supply for gas engines:

Basic engine, V-belt driven cooling blower, lubrication pump, oil filter, oil cooler and oil pan, special pistons and cylinder heads for gas applications, ignition system from KALTRONIC, carburetor from IMPCO, SAE 3 flywheel housing and 10/11.5" flywheel, alternator and starter (12V), air intake manifold and exhaust manifold (center up), heavy duty dry type air cleaner from Donaldson, DEUTZ safety shut down control panel with integrated Woodward ECU, Engine mounts, rigid (four cylinder standard with mass balancer), heavy duty skid base

Series	Model	Cyl	Continuous kW / RPM	Maximum Torque Nm / RPM	Weight kg	Dimension mm L x W x H
913 Series						
	GF3L913	3	26.0 kW / 1500	172 Nm / 1200	310	1120 x 860 x 1300
			28.0 kW / 1800			
			31.0 kW / 2200			
	GF4L913	4	32.0 kW / 1500	223 Nm / 1100	340	1120 x 860 x 1300
			37.0 kW / 1800			
			41.0 kW / 2200			
	GF6L913	6	48.0 kW / 1500	323 Nm / 1200	470	1720 x 860 x 1300
			56.0 kW / 1800			
			63.0 kW / 2000			
	GBF6L913C	6	70.0 kW / 1500	475 Nm / 1200	555	1628 x 940 x 1180
			85.0 kW / 1800			
			89.0 kW / 2000			

Gas specification

- The engine can run on natural gas, with a minimum methane content of 80%
- Future development will include propane
- All engines are preset by orders
- All orders can be preset for power and speed with dyno test run
- Speed mode can be either two fixed speeds for a manual mode controlled manually or by a potentiometer for variable speed (10 turns from min. to max.)

The engine will be monitored and protected against

- Low oil pressure, high oil temperature, and high cylinder head temperature
- Broken V-belt for the cooling fan blower
- Alternator failure (incl. low charging voltage below 14V, for a 12V system)



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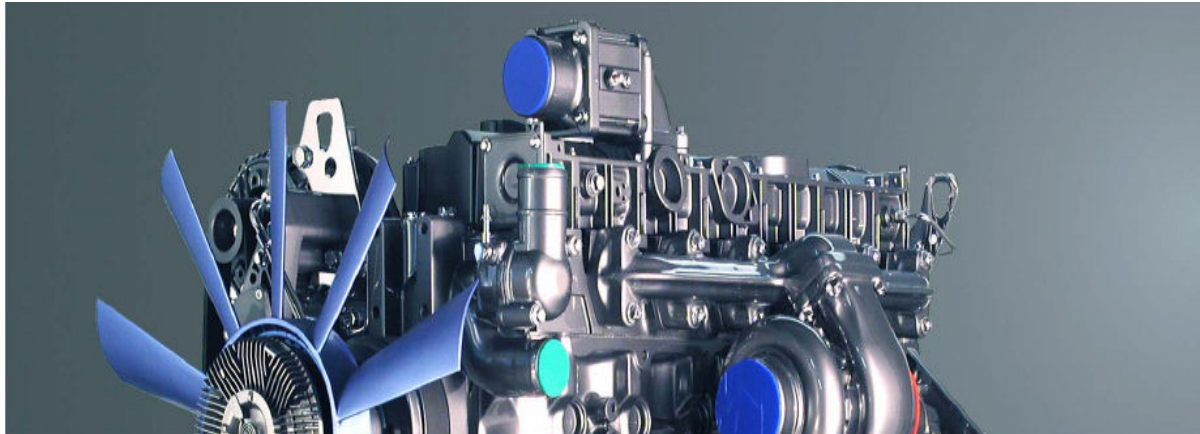
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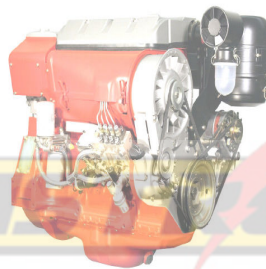
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Liquid cooled engines

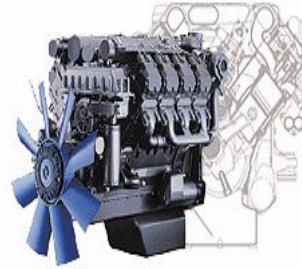
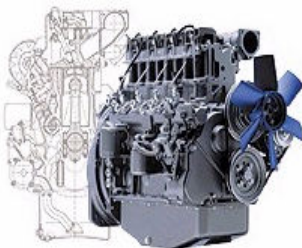
Marine



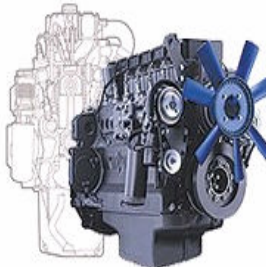
Generation



Automotive



Construction



Mining



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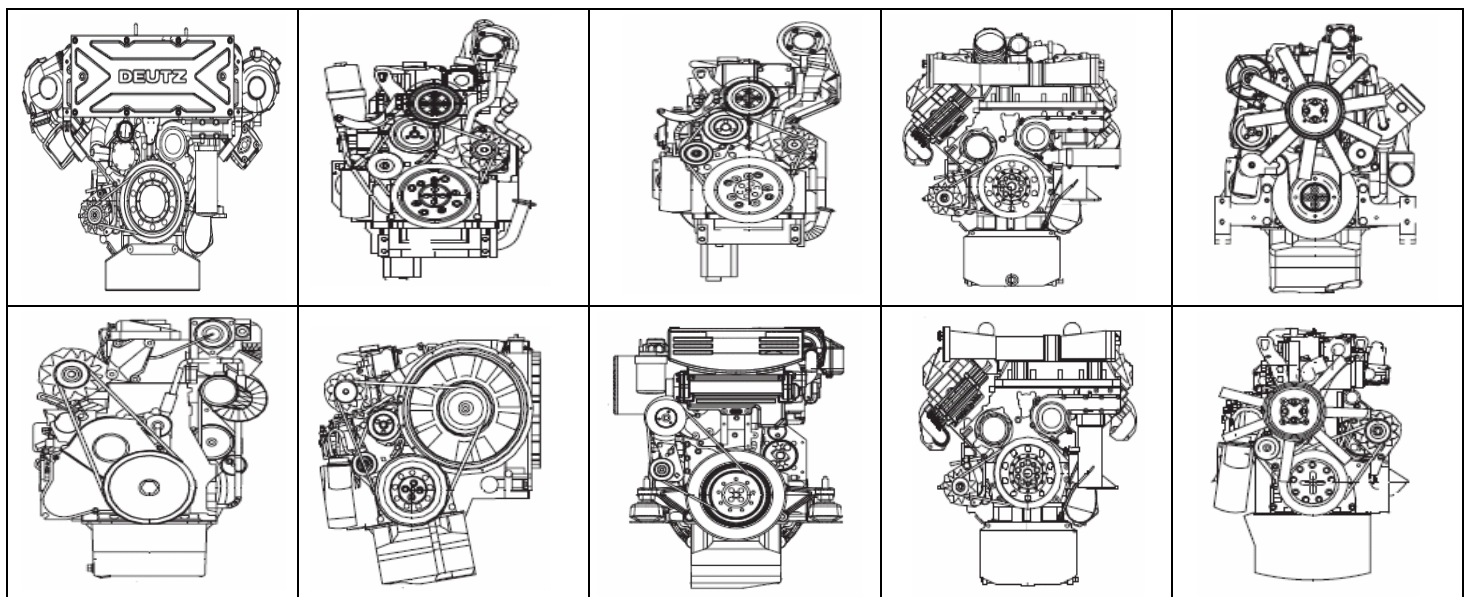
DEUTZ LIQUID COOLED ENGINES

AVERAGE FUEL CONSUMPTION COOLING & COMBUSTION AIR EXHAUST GAS VOLUME
k



ENGINE TYPE	NET ENGINE OUTPUT TO ISO 3046/1 "IFN" RATING			FUEL COMSUMP. @ 80% LOAD	COMBUST. AIR VOLUME @ 100% LOAD	EXHAUST GAS VOLUME @ 100% LOAD	EXHAUST FLANGE DIA
	RPM	kW	HP				
BF4M2011	1500k	39.0k	55.0k	7.9k	150.0k	420.0k	k
	2000k	45.0k	63.0k	9.1k	223.0k	606.0k	48k
	2300k	50.0k	70.0k	10.5k	270.0k	728.0k	k
BF4M1013/E	1500k	63.0k	88.0k	13.0k	300.0k	810.0k	k
	2000k	76.0k	103.0k	16.4k	425.0k	1147.0k	63k
	2300k	84.0k	114.0k	19.0k	500.0k	1350.0k	k
BF4M1013C/EC	1500k	76.0k	103.0k	14.9k	351.0k	946.0k	k
	2000k	96.0k	131.0k	19.1k	497.0k	1340.0k	63k
	2300k	104.0k	141.0k	21.6k	584.0k	1577.0k	k
BF6M1013/E	1500k	95.0k	129.0k	19.0k	460.0k	1242.0k	k
	2000k	114.0k	155.0k	24.0k	652.0k	1759.0k	70k
	2300k	126.0k	171.0k	27.7k	767.0k	2069.0k	k
BF6M1013C/EC	1500k	115.0k	156.0k	21.6k	614.0k	1655.0k	k
	2000k	139.0k	189.0k	27.3k	869.0k	2345.0k	70k
	2300k	153.0k	208.0k	31.6k	1023.0k	2759.0k	k
BF6M1013CP/ECP	1500k	128.0k	174.0k	24.5k	658.0k	1774.0k	k
	2000k	155.0k	211.0k	30.7k	931.0k	2513.0k	70k
	2300k	171.0k	233.0k	36.2k	1096.0k	2956.0k	k
BF6M1015	1500k	195.0k	265.0k	35.9k	1046.0k	1280.9k	k
	1800k	211.0k	287.0k	40.4k	1242.0k	1517.0k	90k
	2100k	223.0k	303.0k	46.5k	1380.0k	1686.0k	k
BF6M1015C	1500k	239.0k	325.0k	43.6k	1267.0k	1548.0k	k
	1800k	259.0k	352.0k	48.9k	1490.0k	1817.0k	90k
	2100k	273.0k	371.0k	54.9k	1640.0k	2000.0k	k
BF6M1015CP	1500k	263.0k	352.0k	49.1k	1170.0k	1430.0k	k
	1800k	285.0k	382.0k	54.8k	1475.0k	1800.0k	90k
	2100k	300.0k	402.0k	60.4k	1783.0k	2170.0k	k
BF8M1015C	1500k	318.0k	433.0k	58.3k	1689.0k	2064.0k	k
	1800k	345.0k	469.0k	65.4k	1987.0k	2423.0k	76k
	2100k	364.0k	495.0k	73.2k	2187.0k	2672.0k	k
BF8M1015CP	1500k	351.0k	470.0k	65.6k	1519.0k	1840.0k	k
	1800k	382.0k	512.0k	73.4k	1984.0k	2380.0k	76k
	2100k	400.0k	536.0k	84.1k	2340.0k	2800.0k	k

k
Note: N/A = not available
Calorific value of fuel 41.900 kJ/Kg
Specific gravity of fuel 0.830 kg/ltr
Exhaust gas volume behind manifold at actual temperature



We Love Engines

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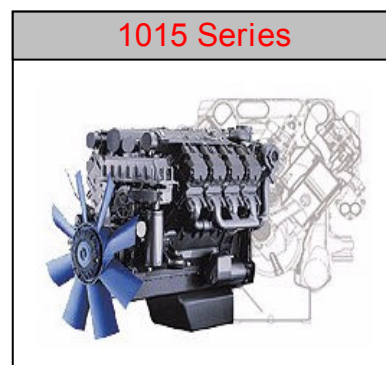
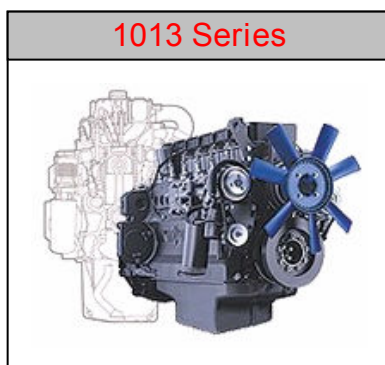
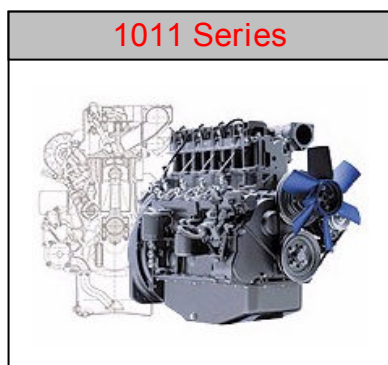
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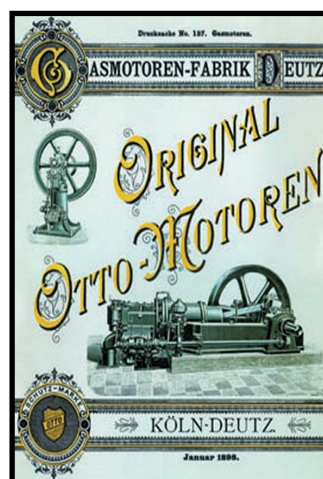
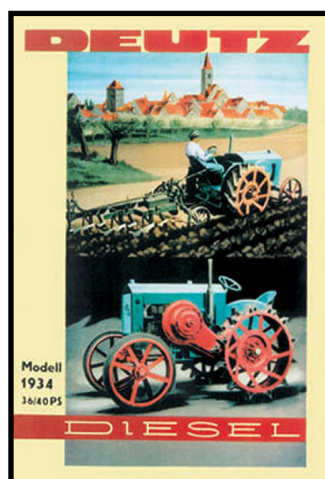
LIQUID COOLED ENGINE SPECIFICATIONS



Australian Standard Scope.

Engine	Cyl	Type	Intermittent kW / RPM	Continuous kW / RPM	Max Torque Nm / RPM	Bore mm	Stroke mm	Disp Ltrs	Max Speed rpm	Min Idle speed rpm
BF4M1013k	4k	Tk	84.0/2300k	79.0/2300k	394/1400k	108k	130k	4.76k	2300k	650k
BF4M1013E	4k	Tk	86.0/2300k	81.0/2300k	422/1400k	108k	130k	4.76k	2300k	650k
BF4M1013Ck	4k	Tk	104.0/2300k	99.0/2300k	487/1400k	108k	130k	4.76k	2300k	800k
BF4M1013ECk	4k	Tk	107.0/2300k	102.0/2300k	491/1400k	108k	130k	4.76k	2300k	800k
BF6M1013k	6k	Tk	126.0/2300k	119.0/2300k	593/1400k	108k	130k	7.15k	2300k	650k
BF6M1013E	6k	Tk	130.0/2300k	123.0/2300k	598/1400k	108k	130k	7.15k	2300k	650k
BF6M1013Ck	6k	Tk	153.0/2300k	144.0/2300k	727/1400k	108k	130k	7.14k	2300k	600k
BF6M1013ECk	6k	Tk	157.0/2300k	148.0/2300k	727/1400k	108k	130k	7.15k	2300k	800k
BF6M1013CP	6k	Tk	171.0/2300k	161.0/2300k	795/1550k	108k	130k	7.14k	2300k	800k
BF6M1013ECP	6k	Tk	176.0/2300k	166.0/2300k	805/1400k	108k	130k	7.15k	2300k	800k
BF6M1015k	6k	Tk	223.0/2100k	214.0/2100k	1313/1300k	132k	145k	11.91k	2100k	550k
BF6M1015Ck	6k	Tk	273.0/2100k	261.0/2100k	1721/1200k	132k	145k	11.91k	2100k	550k
BF6M1015CP	6k	Tk	300.0/2100k	287.0/2100k	1631/1300k	132k	145k	11.91k	2100k	550k
BF8M1015Ck	8k	Tk	364.0/2100k	348.0/2100k	2293/1300k	132k	145k	15.87k	2100k	550k
BF8M1015CP	8k	Tk	400.0/2100k	383.0/2100k	2176/1300k	132k	145k	15.87k	2100k	550k

Note: Fan & losses not included in ratings



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LIQUID COOLED INTERMITTENT RATINGS



Model	Fan losses	1500		1800		1900		2000		2100		2200		2300	
k	kW / RPM	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	HP	kW	hp
BF4M1013k	Includedk	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF4M1013Ek	5.0k/2300k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF4M1013C	Includedk	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF4M1013EC	8.3k/2300k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013k	Includedk	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013Ek	7.4k/2300k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013C	Includedk	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013EC	13.0k/2300k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013CPk	Includedk	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1013ECPk	17.7k/2300k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k	■k
BF6M1015k	14.0k/2100k	195.0k	265.0k	211.0k	287.0k	223.0k	303.0k	223.0k	303.0k	223.0k	303.0k	■k	■k	■k	■k
BF6M1015C	14.0k/2100k	239.0k	325.0k	259.0k	352.0k	273.0	371.0k	273.0k	371.0k	273.0k	371.0k	■k	■k	■k	■k
BF6M1015CPk	14.0k/2100k	263.0k	352.0k	285.0k	382.0k	300.0k	402.0k	300.0k	402.0k	300.0k	402.0k	■k	■k	■k	■k
BF8M1015C	14.0k/2100k	318.0k	432.0k	345.0k	470.0k	364.0	495.0k	364.0k	495.0k	364.0k	495.0k	■k	■k	■k	■k
BF8M1015CPk	14.0k/2100k	351.0k	470.0k	382.0k	512.0k	400.0k	536.0k	400.0k	536.0k	400.0k	536.0k	■k	■k	■k	■k

Note: Fan losses not included in ratings unless stated

1013 Series



1015 Series



2008 Series



2011 Series



2012 Series



Power standard for industrial engines ISO 3046 F1k
Ambient barometric pressure total: 100kPa
Ambient air temperature: 25°C
Relative humidity: 80%

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LIQUID COOLED CONTINUOUS RATINGS



Model	Fan losses	1500		1800		1900		2000		2100		2200		2300	
k	kW / RPM	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	HP	kW	hp
BF4M1013k	Includedk	62.0k	83.1k	69.0k	92.5k	70.5k	94.5k	72.0k	96.5k	74.0k	99.2k	77.0k	103.2k	79.0k	105.9k
BF4M1013Ek	5.0k/2300k	62.0k	83.1k	72.0k	96.5k	73.0k	97.8k	74.0k	99.2k	76.0k	101.9k	79.0k	105.9k	81.0k	108.6k
BF4M1013C	Includedk	76.0k	101.9k	85.0k	113.9k	87.5k	117.3k	90.0k	120.7k	94.0k	126.0k	96.0k	128.7k	99.0k	132.7k
BF4M1013EC	8.3k/2300k	78.0k	104.5k	88.0k	118.0k	90.0k	120.6k	92.0k	123.3k	96.0k	128.7k	99.0k	132.7k	102.0k	136.7k
BF6M1013k	Includedk	93.0k	124.7k	103.0k	138.1k	105.5k	141.4k	108.0k	144.8k	112.0k	150.2k	116.0k	155.5k	119.0k	159.5
BF6M1013Ek	7.4k/2300k	94.0k	126.0k	106.0k	142.1k	108.0k	144.8k	110.0k	147.5k	115.0k	154.2k	119.0k	159.5k	123.0k	164.9k
BF6M1013C	Includedk	113.0k	151.5k	125.0k	167.6k	128.0k	171.6k	131.0k	175.6k	135.0k	181.0k	140.0k	187.7k	144.0k	193.1
BF6M1013EC	13.0k/2300k	113.0k	151.5k	130.0k	174.3k	132.0k	177.0k	134.0k	179.7k	138.0k	185.0k	144.0k	193.1k	148.0k	198.4k
BF6M1013CPk	Includedk	125.0k	167.6k	139.0k	186.4k	143.0k	191.7k	147.0k	197.1k	151.0k	202.5k	156.0k	209.2k	161.0k	215.9k
BF6M1013ECPk	17.7k/2300k	122.0k	163.6k	146.0k	195.7k	148.0k	198.4k	150.0k	201.1k	155.0k	207.8k	160.0k	214.5k	166.0k	222.6k
BF6M1015k	14.0k/2100k	187.0k	250.7k	203.0k	272.2k	214.0k	286.9k	214.0k	286.9k	214.0k	286.9k	■k	■k	■k	■k
BF6M1015C	14.0k/2100k	228.0k	305.7k	248.0k	332.5k	261.0	350.0k	261.0k	350.0k	261.0k	350.0k	■k	■k	■k	■k
BF6M1015CPk	14.0k/2100k	251.0k	336.6k	272.0k	364.7k	287.0k	384.8k	287.0k	384.8k	287.0k	384.8k	■k	■k	■k	■k
BF8M1015C	14.0k/2100k	304.0k	407.6k	330.0k	442.5k	348.0	466.6k	348.0k	466.6k	348.0k	466.6k	■k	■k	■k	■k
BF8M1015CPk	14.0k/2100k	335.0k	449.2k	364.0k	488.1k	383.0k	513.6k	383.0k	513.6k	383.0k	513.6k	■k	■k	■k	■k

Note: Fan losses not included in ratings unless stated

Power standard for industrial engines ISO 3046 F1k

Ambient barometric pressure total: 100 kPa

Ambient air temperature: 25°C

Relative humidity: 80%

Engines for all applications





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Series	Model	Cyl	Continuous kW / RPM	housing & flywheel	Weight kg	Dimensions mm L x W x H
1013 Series	k	k	k	k	k	k
k	BF4M1013k	4k	79.0k/2300k	SAE13kx10/11.5" k	713k	1020kx760kx790k
k	BF4M1013Ek	4k	81.0k/2300k	SAE13kx10/11.5" k	588k	1020kx760kx790k
k	BF4M1013Ck	4k	99.0k/2300k	SAE13kx10/11.5" k	738k	1020kx760kx790k
k	BF4M1013ECk	4k	102.0k/2300k	SAE13kx10/11.5" k	590k	741kx1616kx844k
k	BF6M1013k	6k	119.0k/2300k	SAE13kx10/11.5" k	895k	1280kx760kx845k
k	BF6M1013Ek	6k	111.0k/1800k	SAE13kx10/11.5" k	763k	1024kx1577kx844k
k	BF6M1013Ek	6k	123.0k/2300k	SAE13kx10/11.5" k	763k	1024kx1577kx844k
k	BF6M1013Ck	6k	144.0k/2300k	SAE13kx10/11.5" k	938k	1280kx760kx845k
k	BF6M1013ECk	6k	134.0k/1800k	SAE13kx10/11.5" k	765k	1024kx1577kx844k
k	BF6M1013ECk	6k	148.0k/2300k	SAE13kx10/11.5" k	765k	1024kx1577kx844k
k	BF6M1013CPk(*)k	6k	161.0k/2300k	SAE13kx10/11.5" k	928	1280kx760kx845k
k	BF6M1013ECPk(*)k	6k	166.0k/2300k	SAE13kx10/11.5" k	765k	1024kx1577kx844k
1015 Series	k	k	k	k	k	k
k	BF6M1015k	6k	214.0k/2100k	SAE11kx14" k	1380k	985kx925kx970k
k	BF6M1015Ck	6k	261.0k/2100k	SAE11kx14" k	1390k	985kx 925kx970k
k	BF6M1015CPk(*)k	6k	287.0k/2100k	SAE11kx14" k	1390k	985kx925kx970k
k	BF8M1015Ck	8k	348.0k/2100k	SAE11kx14" k	1560k	1150kx992kx960k
k	BF8M1015CPk	8k	383.0k/2100k	SAE11kx14" k	1560k	1150kx992kx961k
2012 Series	BF4M2012k	4k	72.0k/2200k	SAE14kx18"/10" k	458k	k

(*)kAgainstfirmorderonlyk



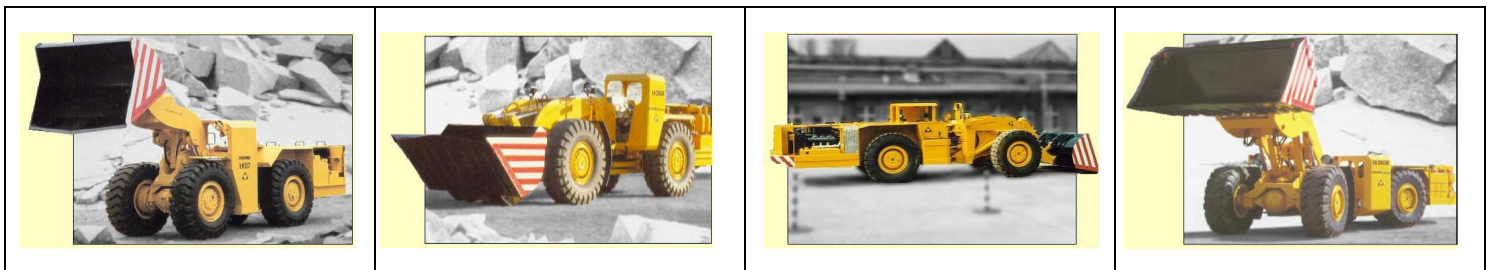
DEUTZ DIESEL ENGINES – LIQUID COOLED UNDERGROUND OPERATION



Scope:kbasic underground applicationk2stager combustion enginekwithout hydraulic oil coolers

Series	Model	Cyl	Continuous kW / RPM	Weight kg	Dimension mm L x W x H
1013 Series	k	k	k	k	k
k	BF4M1013Ck(12volt)k	4k	115.0k/2300k	432k	896kx760kx790k
k	BF4M1013Ck(24volt)k	4k	115.0k/2300k	432k	896kx760kx790k

All engines are kcertified acc. to kMSHAk



DEUTZ Customised Solutions

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The engine company.

DEUTZ DIESEL ENGINES – LIQUID COOLED GENSET SCOPE



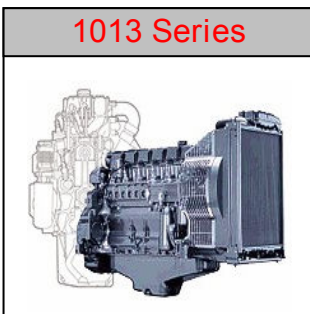
Series	Model	Cyl	Power kW / RPM	Rating Type	Weight kg	Dimensions mm L x W x H
k	D2008L03k	k	11.7/1500k	PRPk	185k	783x1502x1790k
k	D2008L04k	k	13.8/1500k	PRPk	219k	869x1502x1790k
k	D2009L03k	k	15.4/1500k	PRPk	210k	8k
k	D2009L04k	k	19.7/1500k	PRPk	235k	8k
k	TD2009L04k	k	26.9/1500k	PRPk	240k	8k
2012 Seriesk		k	k	k	k	k
k	BF4M2012FG1k	4k	51.0/1500k	PRPk	457k	1110x1790x1790k
k	BF4M2012FG2k	4k	54.0/1500k	PRPk	458k	1150x1790x1791k
k	BF4M2012Ck	4k	64.0/1500k	PRPk	473k	1250x1820x1840k
1013 Series		k	k	k	k	k
k	BF4M1013Ek	4k	77.0/1500k	COPk	538k	1020x1760x1790k
k	BF4M1013ECK	4k	92.0/1500k	COPk	540k	1020x1760x 791k
k	BF4M1013FCk(*)k	4k	96.0/1500k	PRPk	540k	1020x1760x1792k
k	BF6M1013Ek	6k	116.0/1500k	COPk	713k	1024x1577x1844k
k	BF6M1013ECK	6k	139.0/1500k	COPk	715k	1024x1577x 844k
k	BF6M1013FCFG1k	6k	154.0/1500k	COPk	715k	1024x1577 x1845k
k	BF6M1013FCFG2k	6k	166.0/1500k	PRPk	717k	1024x1777x1845k
k	BF6M1013FCFG3k	6k	183.0/1500k	LTPk	715k	1024x1577 x1844k
1015 Series		k	k	k	k	k
k	BF6M1015k	6k	195.0/1500k	COPk	830k	1085x1925x1970k
k	BF6M1015CFG1k	6k	250.0/1500k	COPk	890k	1085x1925 x1970k
k	BF6M1015CFG1k	6k	285.0/1500k	PRPk	890k	1085x1925 x1970k
k	BF6M1015CFG2k(*)k	6k	315.0/1500k	LTPk	890k	1085x 925x1970k
k	BF6M1015CPFG3k(*)k	6k	303.0/1500k	COPk	890k	1085x1925x1970k
k	BF6M1015CPFG3k(*)k	6k	338.0/1500k	PRPk	890k	1085x1925x1970k
k	BF6M1015CPFG3k(*)k	6k	365.0/1500k	LTPk	890k	1085x1925x1970k
k	BF8M1015CFG1k	8k	333.0/1500k	COPk	1060k	1150x1992x1960k
k	BF8M1015CFG1k	8k	380.0/1500k	PRPk	1060k	1150x1992x1960k
k	BF8M1015CFG2k(*)k	8k	402.0/1500k	LTPk	1060k	1150x1992x1960k
k	BF8M1015CPFG3k	8k	399.0/1500k	COPk	1060k	1150x1992x1960k
k	BF8M1015CPFG3k	8k	448.0/1500k	PRPk	1060k	1150x1992x1960k
k	BF8M1015CPFG3k	8k	490.0/1500k	LTPk	1060k	1150x1992x1960k

COPk-continuous powerk

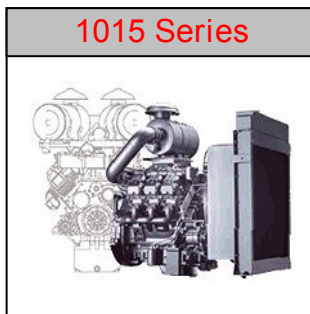
PRPk-prime powerk

LTPk-limited time running powerk

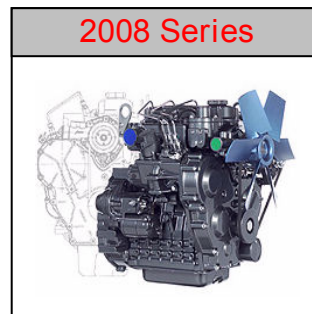
1013 Series



1015 Series



2008 Series



2012 Series



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The engine company.

DEUTZ DIESEL ENGINES – LIQUID COOLED MARINE SCOPE 63kW – 300kW (86 – 408hp) at 1500 - 2600 rpm



1013 Series

Modern water cooled four stroke 4 and 6 cylinder in line engines.
Water cooled turbocharger and exhaust manifolds.
PTO's gear driven.
High pressure fuel injection system with single injection pump.
Water cooled charge air cooler.
Compact design.
Easily accessible service points on one engine side.

1015 Series

Modern water cooled four stroke 6 and 8 cylinder V-engines.
Water cooled turbocharger and exhaust manifolds.
PTO's gear driven.
Modern injection system with mechanical governor.
Electronic governor for genset applications.
Charge air cooled by engine cooling liquid.
Innovative DEUTZ Multi Parallel Cooling System.
Compact design.

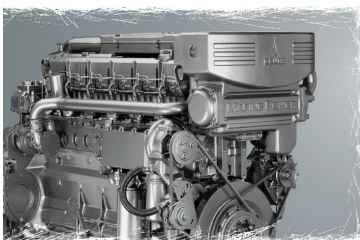
Series	Bore Stroke	Disp LTRs	Model	Cyl	Marine Propulsion Power Rating kW / RPM	Weight with Heat exchanger	Weight as Keel Cooling	On-board Generating set Power Rating kW / RPM
1013 Series	108/130	4.76	BF4M1013E	4	81/2300(A) 95/2300(B)	600	500	81/1500(G) 85/1800(G)
	108/130	4.76	BF4M1013EC	4	102/2300(A) 118/2300(B)	650	550	97/1500(G) 105/1500(G)
	108/130	7.15	BF6M1013E	6	123/2300(A) 145/2300(B)	750	650	122/1500(G) 128/1800(G)
	108/130	7.15	BF6M1013EC	6	148/2300(A) 174/2300(B)	800	700	146/1500(G) 155/1800(G)
	108/130	7.15	BF6M1013ECP	6	166/2300(A) 195/2300(B)	800	700	N/A N/A
Series	Bore Stroke	Disp LTRs	Model	Cyl	Marine Propulsion Power Rating kW / RPM	Weight with Heat exchanger	Weight as Keel Cooling	On-board Generating set Power Rating kW / RPM
1015 Series	132/145	11.91	BF6M1015M	6	203/1800(A) 214/1900(A) 214/2100(A) 228/1800(B) 240/1900(B) 240/2100(B)	1080	1020	195/1500(G) 210/1500(N) k 211/1800(G) 228/1800(N)
					272/1800(A) 287/1900(A) 287/2100(A) 313/1800(B) 330/1900(B) 330/2100(B)			250/1500(G) 285/1500(N) k 281/1800(G) 310/1800(N)
					364/1800(A) 383/1900(A) 383/2100(A) 418/1800(B) 440/1900(B) 440/2100(B)			333/1500(G) 380/1500(N) k 362/1500(G) 413/1800(N)
1015 Series	132/145	15.87	BF8M1015MC	8		1380	1310	

Marine Propulsion Definitions

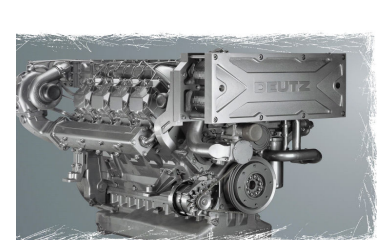
(A) Net brake fuel stop power for continuous operation, unlimited time, ISO 3046
(B) Net brake fuel stop power for continuous operation, ISO 3046
(1) Keel cooling with heat exchanger

Generator set Definitions

(G) Continuous power, overloadable by 10% for one hour within an operating period of 12 hours, ISO 3046
(N) Continuous power, overloadable by 10% for one hour within an operating period of 12 hours, ISO 3046
Permissible average power output < 80%



1013 Series



1015 Series

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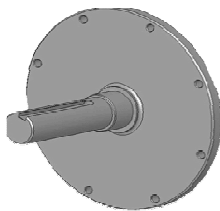
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The engine company.

ENGINE ACCESSORIES

Accessories	Price
Speed Controls	
Fine speed adjustable throttle rod control assembly	P.O.Ak
Micro adjustable throttle cable control assembly	P.O.Ak
Stop cable assembly fitted for emergency stop	P.O.Ak
Electrics – standard engine panels (other options available on request)	
DKS Basic key start panel	P.O.Ak
DOT shutdown panel with "Murphy" oil pressure and engine temp switch gauge	P.O.Ak
DOTTV(WP) shutdown panel with DOT tachometer + volt meter (weatherproof case)	P.O.Ak
POTTVCP(WP) shutdown panel with DOTTV time clock + pump pressure shutdown gauge	P.O.Ak
PTO Stubs hafts (flywheel mounted driveshaft)	
SAE 16F1/2" power take off stub shaft 1 5/8" parallel keyed shaft	P.O.Ak
SAE 17F1/2" power take off stub shaft 1 5/8" parallel keyed shaft	P.O.Ak
SAE 18" power take off stub shaft 1 5/8" & 1 1/2" parallel keyed shaft	P.O.Ak
SAE 10" power take off stub shaft 1 5/8" & 1 1/2" parallel keyed shaft	P.O.Ak
SAE 11F1/2" power take off stub shaft 1 1/2" parallel keyed shaft	P.O.Ak
Side Load Stubs hafts (bell housing supported with taper roller bearings for flywheel mounted stub shaft)	
SAE 15x16F1/2" side load stub shaft kit 1 1/2" parallel keyed shaft	P.O.Ak
SAE 14x17F1/2" side load stub shaft kit 1 1/2" parallel keyed shaft	P.O.Ak
SAE 13x10" side load stub shaft kit 1 1/2" parallel keyed shaft	P.O.Ak
SAE 13x11F1/2" side load stub shaft kit 1 1/2" parallel keyed shaft	P.O.Ak
PTO Clutches (other options available on request) full side load, manually engaged & disengaged.	
PTO clutch SAE 15x16F1/2" 1 1/2" parallel keyed shaft	P.O.Ak
PTO clutch SAE 14x17F1/2" 1 1/2" parallel keyed shaft	P.O.Ak
PTO clutch SAE 13x10" 1 1/2" parallel keyed shaft	P.O.Ak
PTO clutch SAE 13x11F1/2" 1 1/2" parallel keyed shaft	P.O.Ak
PTO clutch SAE 13x11F1/2" 1 1/2" parallel keyed shaft twin plate	P.O.Ak
Hydraulic Pump Adaptors (other options available on request)	
SAE 15x16F1/2" hydraulic pump adaptor plate and flexilock coupling kit SAE A, B, DIN 2k	P.O.Ak
SAE 14x17F1/2" hydraulic pump adaptor plate and flexilock coupling kit SAE A, B, DIN 2k	P.O.Ak
SAE 13x10" hydraulic pump adaptor plate and flexilock coupling kit SAE B, ICk	P.O.Ak
SAE 13x11F1/2" hydraulic pump adaptor plate and flexilock coupling kit SAE B, ICk	P.O.Ak

Stub shafts



Side Load Stub Shafts



Shutdown Panels



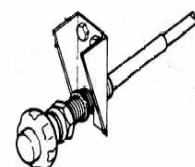
PTO Clutches



Hydraulic Pump Adaptors



Speed Controls



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The engine company.

Generating the **DEUTZ** Way.

Deutz in-house developed power generators equipped with air-cooled, 9 Series diesel engines. The new ADG (Air-cooled Diesel Genset) product range encompasses a finely graduated line of three, four and six cylinder engines with power outputs ranging from 30 to 150 kVa for main power frequencies of 50Hz. Open frame and soundproof encapsulated models available.

Specifications:

Model	k.V.a	Voltage	Amps Per Phase	Speed	Fuel Tank Capacity	Range At 75% load	Dimensions L x W x H mm	Weight kg
ADG28C	28.0kVa	415/240k	40amps	1500rpm	180litres	34.6hrs	1760x1110x1610	1050kg
ADG32C	32.0kVa	415/240k	46amps	1500rpm	180litres	33.3hrs	1760x1110x1610	1100kg
ADG42C	42.0kVa	415/240k	61amps	1500rpm	180litres	25.0hrs	1980x1110x1610	1300kg
ADG62C	62.0kVa	415/240k	89amps	1500rpm	180litres	21.4hrs	1980x1110x1750	1350kg
ADG72C	72.0kVa	415/240k	104amps	1500rpm	300litres	28.5hrs	2400x1110x1750	1650kg
ADG102C	102.0kVa	415/240k	147amps	1500rpm	300litres	19.5hrs	2400x1110x1750	1800kg
ADG132C	132.0kVa	415/240k	191amps	1500rpm	300litres	14.5hrs	2400x1110x1750	1900kg
ADG152C	152.0kVa	415/240k	219amps	1500rpm	300litres	13.5hrs	2400x1110x1750	2000kg



New Product



Engine & Alternator

Model	ADG28C	ADG32C	ADG42C	ADG62C	ADG72C	ADG102C	ADG132C	ADG152C
Engine	F3L912k	F3L914k	F4L914k	BF4L914k	F6L914k	BF6L914k	BF6L914Ck	BF6L914Ck
Alternator	Marellik	Marellik	Marellik	Marellik	Marellik	Marellik	Marellik	Marellik

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The engine company.

DEUTZ POWERED PUMPS

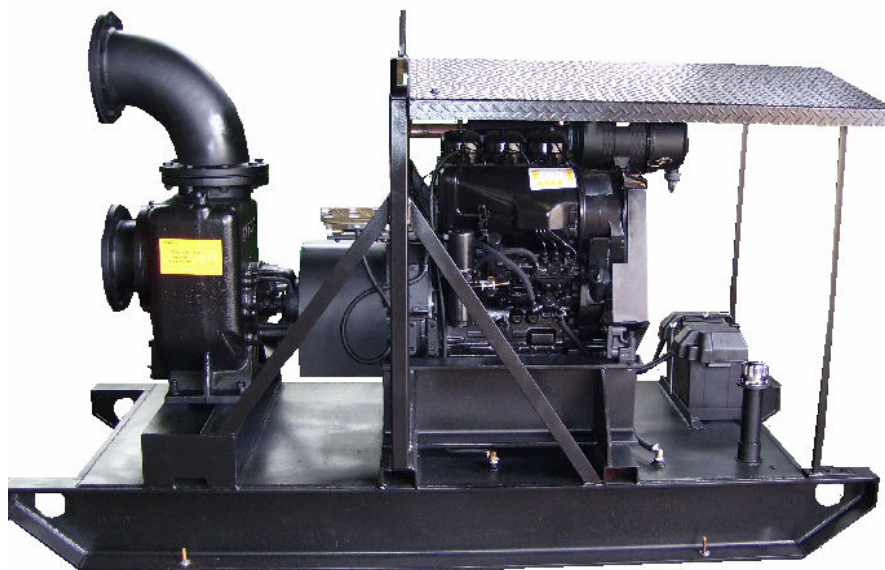
Diesel Engine Powered Pumps – Self Priming 6" & 8"

STD Scope: Self priming pump, in line drive to Deutz diesel engine Power Pak, battery box with battery and leads fitted, channel steel skid base frame with in built 300 litre fuel tank, coupling guard
Direct coupled in line drive with stub shaft and tyre flex flexible coupling

Options:

- Murphy shutdown panel
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification
- Single point lifting frame fitted
- Pump connections: hose tails, flanges, Camlock, quick couplings like Bauer, Anfor or Ferrari
- Roof hood cover fitted over engine drive assembly
- Engine and pump controls e.g. automatic start/stop, time clock, float switches
- Mechanical seal options
- Emergency stop, battery isolation, fire extinguisher

Size / Power	Pump / Engine	Drive Type	Engine Starting	Maximum Volume	Maximum Head	Nominal Duty	Pump Speed
6" / 21 hp	FSR150 / D910L2	Direct	Electric	85 l/sec	24 mtrs	70 l/sec @ 11 mtrs	1900 rpm
6" / 21 hp	FSR150 / F2L2011	Direct	Electric	85 l/sec	24 mtrs	70 l/sec @ 11 mtrs	1900 rpm
6" / 37 hp	FSR150 / D910L3	Direct	Electric	100 l/sec	32 mtrs	77 l/sec @ 18 mtrs	2200 rpm
6" / 37 hp	FSR150 / F3L2011	Direct	Electric	100 l/sec	32 mtrs	77 l/sec @ 18 mtrs	2200 rpm
8" / 16 hp	FSR200 / D910L2	Direct	Electric	85 l/sec	14 mtrs	65 l/sec @ 10 mtrs	1500 rpm
8" / 16 hp	FSR200 / F2L2011	Direct	Electric	85 l/sec	14 mtrs	65 l/sec @ 10 mtrs	1500 rpm
8" / 22 hp	FSR200 / D910L3	Direct	Electric	105 l/sec	20 mtrs	82 l/sec @ 13 mtrs	1800 rpm
8" / 22 hp	FSR200 / F3L2011	Direct	Electric	105 l/sec	20 mtrs	82 l/sec @ 13 mtrs	1800 rpm
8" / 47 hp	FSR200 / F3L912	Direct	Electric	130 l/sec	30 mtrs	113 l/sec @ 15 mtrs	2200 rpm
8" / 53 hp	FSR200 / F4L2011	Direct	Electric	130 l/sec	30 mtrs	113 l/sec @ 15 mtrs	2200 rpm
8" / 60 hp	FSR200 / F4L912	Direct	Electric	130 l/sec	30 mtrs	113 l/sec @ 15 mtrs	2200 rpm



FSR200/DC/F4L2011 fuel tank base roof and other options

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The engine company.

DPS PUMPS



DEUTZ POWERED PUMPS

Diesel Engine Powered Pumps – Trash & sewage 3" – 12"

STD Scope: Self priming heavy duty industrial "TRASH & SEWAGE" pump, inline drive to Deutz diesel engine Power Pak, battery box with battery and leads fitted, channel steel base frame, coupling guard. Pump has oil bath mechanical seal fitted as standard.
Direct coupled inline drive with stub shaft and tyre flex flexible coupling 3" to 6" pump sets
Reduction Gearbox with coupling. Gearbox has clutch system in built 8" to 12" pump sets

Options:

- Murphy shutdown panel
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification
- Fuel tank built into base frame
- Single point lifting frame fitted
- Pump connections: hose tails, flanges, Camlock, quick couplings like Bauer, Anfor or Ferrari
- Roof hood cover fitted over engine drive assembly
- Engine and pump controls e.g. automatic start/stop, time clock, float switches
- Emergency stop, battery isolation, fire extinguisher

Size / Power	Pump / Engine	Drive Type	Maximum Volume	Maximum Head	Nominal Duty	Pump Speed
3" / 23 hp	TS-80 / D910L2	Direct	26 l/sec	20 mtrs	26 l/sec @ 28 mtrs	2150 rpm
3" / 23 hp	TS-80 / F2L2011	Direct	30 l/sec	36 mtrs	26 l/sec @ 28 mtrs	2150 rpm
3" / 36 hp	TS-80H / D910L3	Direct	24 l/sec	60 mtrs	21 l/sec @ 52 mtrs	2150 rpm
3" / 36 hp	TS-80H / F3L2011	Direct	24 l/sec	60 mtrs	21 l/sec @ 52 mtrs	2150 rpm
4" / 32 hp	TS-100 / D910L3	Direct	46 l/sec	30 mtrs	38 l/sec @ 22 mtrs	1900 rpm
4" / 32 hp	TS-100 / F3L2011	Direct	46 l/sec	30 mtrs	38 l/sec @ 22 mtrs	1900 rpm
4" / 41 hp	TS-100 / F3L912	Direct	48 l/sec	36 mtrs	38 l/sec @ 28 mtrs	1950 rpm
4" / 48 hp	TS-100H / F4L2011	Direct	44 l/sec	60 mtrs	37 l/sec @ 54 mtrs	2150 rpm
6" / 44 hp	TS-150 / F4L912	Direct	90 l/sec	32 mtrs	77 l/sec @ 22 mtrs	1550 rpm
6" / 52 hp	TS-150 / F4L914	Direct	90 l/sec	32 mtrs	77 l/sec @ 22 mtrs	1550 rpm
6" / 86 hp	TS-150H / F6L912	Direct	83 l/sec	57 mtrs	72 l/sec @ 51 mtrs	1950 rpm
8" / 77 hp	TS-200 / F6L912	G/Box	160 l/sec	30 mtrs	120 l/sec @ 18 mtrs	1250 / 1850 rpm
10" / 75 hp	TS-250 / F6L912	G/Box	200 l/sec	25 mtrs	150 l/sec @ 18 mtrs	1150 / 1700 rpm
12" / 77 hp	TS-300 / F6L912	G/Box	280 l/sec	25 mtrs	210 l/sec @ 16 mtrs	950 / 1800 rpm
12" / 129 hp	TS-300 / BF6L914	G/Box	350 l/sec	42 mtrs	300 l/sec @ 25 mtrs	1250 / 1850 rpm



Water
Don't let it pass you by!

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DEUTZ POWERED PUMPS

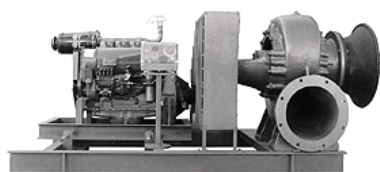
Diesel Engine Powered Pumps – centrifugal 6” – 20”

STD Scope: Centrifugal pump to Deutz diesel engine Power Pak, battery and heads fitted, channel steel base frame, coupling fork, V belt guard.
Direct coupled inline drive with stub shaft and tyre flex flexible coupling
V belt drive. Up to 10” pumps – engine with stub shaft 12” to 20” with PTO clutch fitted

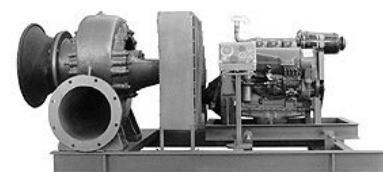
Options:

- Murphy shutdown panel
- Pump sets built to your specifications e.g. skid base, trailer mounted, mine specification
- Fuel tank built into base frame
- Single point lifting frame fitted
- Pump connections: hose tails, flanges, Camlock, quick couplings like Bauer, Anfor or Ferrari
- Roof hood cover fitted over engine drive assembly
- Engine and pump controls e.g. automatic start/stop, time clock, float switches
- Non return check valves, foot valves, butterfly valves
- Vacuum priming systems
- Mechanical seal options
- Emergency stop, battery isolation, fire extinguisher

Size / Power	Pump / Engine	Drive Type	Maximum Volume	Maximum Head	Nominal Duty	Pump Speed
8” / 30 hp	8HBG35 / D910L2	V belt	150 l/sec	13 mtrs	152 l/sec @ 8 mtrs	1450 rpm
8” / 29 hp	8HBG35 / F2L2011	V belt	150 l/sec	13 mtrs	152 l/sec @ 8 mtrs	1450 rpm
8” / 36 hp	8HBG35 / F4L2011	Direct	170 l/sec	16 mtrs	139 l/sec @ 12 mtrs	1600 rpm
8” / 35 hp	8HBG35 / F3L912	Direct	170 l/sec	16 mtrs	139 l/sec @ 12 mtrs	1600 rpm
10” / 29 hp	10HBG30 / F2L2011	V belt	230 l/sec	10 mtrs	160 l/sec @ 10 mtrs	1200 rpm
10” / 29 hp	10HBG30 / F3L2011	V belt	230 l/sec	10 mtrs	160 l/sec @ 10 mtrs	1200 rpm
10” / 47 hp	10HBG40 / F3L912	V belt	200 l/sec	14 mtrs	169 l/sec @ 12 mtrs	1450 rpm
10” / 53 hp	10HBG40 / F4L914	Direct	250 l/sec	20 mtrs	221 l/sec @ 12 mtrs	1650 rpm
12” / 29 hp	12HBG40 / F2L2011	V belt	290 l/sec	8 mtrs	216 l/sec @ 7 mtrs	1000 rpm
12” / 48 hp	12HBG40 / F3L912	V belt	330 l/sec	12 mtrs	255 l/sec @ 9 mtrs	1200 rpm
12” / 55 hp	12HBG40 / F4L912	V belt	360 l/sec	14 mtrs	272 l/sec @ 11 mtrs	1200 rpm
12” / 70 hp	12HBG40 / F4L914	V belt	390 l/sec	16 mtrs	345 l/sec @ 10 mtrs	1300 rpm
16” / 44 hp	400HW7 / F3L912	V belt	440 l/sec	8 mtrs	358 l/sec @ 6 mtrs	730 rpm
16” / 59 hp	400HW7 / F4L912	V belt	470 l/sec	10 mtrs	400 l/sec @ 8 mtrs	810 rpm
16” / 70 hp	400HW7 / F4L914	V belt	500 l/sec	12 mtrs	408 l/sec @ 9 mtrs	850 rpm
20” / 59 hp	500HW6 / F4L912	V belt	520 l/sec	8 mtrs	486 l/sec @ 6 mtrs	550 rpm
20” / 70 hp	500HW6 / F4L914	V belt	560 l/sec	12 mtrs	515 l/sec @ 8 mtrs	600 rpm
20” / 95 hp	500HW6 / F6L912	V belt	590 l/sec	13.5 mtrs	578 l/sec @ 9 mtrs	650 rpm
20” / 110 hp	500HW6 / F6L914	V belt	639 l/sec	14 mtrs	628 l/sec @ 10 mtrs	690 rpm



Water
Don't let it pass you by!



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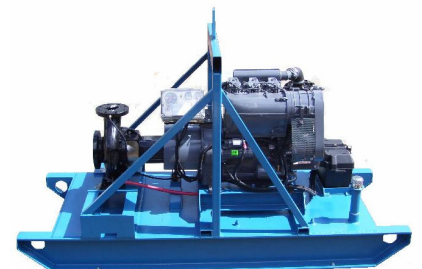
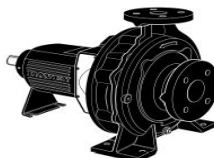
Diesel Engine Powered Pumps – ISO Series

STD Scope: k Davey k ISO centrifugal pump, k inline drive k Deutz diesel engine k Power Pak, k battery k and k
k k leads k fitted, k channel steel k skid k base k frame, k coupling k guard k
k k Direct k coupled k inline k drive k with k stub shaft k and k tyre k flex k flexible k coupling k

Options:

- k Murphy k shutdown k panel k
- k Pump k sets k built k to k your k specifications k e.g. k skid k base, k trailer k mounted, k mine k specification k
- k Fuel k tank k built k into k base k frame k
- k Single k point k lifting k frame k fitted k
- k Pump k connections: k those k tails, k flanges, k Camlock, k quick k couplings k like k Bauer, k Anfor k or k Ferrari k
- k Roof k hood k cover k fitted k over k engine k drive k assembly k
- k Engine k and k pump k controls k e.g. k automatic k start/stop, k time k clock, k float k switches k
- k Emergency k stop, k battery k isolation, k fire k extinguisher k

Size / Power	Pump / Engine	Drive Type	Max. Volume	Max. Head	Nominal Duty	Pump Speed
2.5" x 1.5" / 25 hp	65 x 40-250 / F2L2011	Direct	14 l/sec	90 mtrs	13 l/sec @ 76 mtrs	2700 rpm
2.5" x 1.5" / 50 hp	65 x 40-315 / F4L2011	Direct	15 l/sec	145 mtrs	13 l/sec @ 135 mtrs	2800 rpm
3" x 2" / 25 hp	80 x 50-200 / F2L2011	Direct	27 l/sec	58 mtrs	20 l/sec @ 52 mtrs	2600 rpm
3" x 2" / 38 hp	80 x 50-250 / F3L2011	Direct	28 l/sec	80 mtrs	20 l/sec @ 75 mtrs	2500 rpm
3" x 2" / 50 hp	80 x 50-315 / F4L2011	Direct	24 l/sec	110 mtrs	20 l/sec @ 96 mtrs	2400 rpm
4" x 2.5" / 23 hp	100 x 65-200 / F2L2011	Direct	45 l/sec	40 mtrs	35 l/sec @ 32 mtrs	2200 rpm
4" x 2.5" / 38 hp	100 x 65-200 / F3L2011	Direct	48 l/sec	56 mtrs	35 l/sec @ 52 mtrs	2600 rpm
4" x 2.5" / 50 hp	100 x 65-250 / F4L2011	Direct	48 l/sec	70 mtrs	35 l/sec @ 64 mtrs	2400 rpm
4" x 2.5" / 70 hp	100 x 65-315 / F4L914	Direct	45 l/sec	85 mtrs	35 l/sec @ 80 mtrs	2200 rpm
5" x 3" / 127 hp	125 x 80-400 / BF6L914	Direct	56 l/sec	140 mtrs	40 l/sec @ 130 mtrs	2100 rpm
5" x 3" / 152 hp	125 x 80-400 / BF6L914C	Direct	56 l/sec	150 mtrs	35 l/sec @ 150 mtrs	2200 rpm
5" x 4" / 50 hp	125 x 100-200 / F4L2011	Direct	90 l/sec	45 mtrs	70 l/sec @ 39 mtrs	2400 rpm
5" x 4" / 72 hp	125 x 100-250 / F4L914	Direct	80 l/sec	60 mtrs	65 l/sec @ 52 mtrs	2200 rpm
5" x 4" / 95 hp	125 x 100-315 / F6L914	Direct	90 l/sec	92 mtrs	70 l/sec @ 80 mtrs	2200 rpm
5" x 4" / 138 hp	125 x 100-400 / BF6L914	Direct	72 l/sec	90 mtrs	60 l/sec @ 96 mtrs	1800 rpm
5" x 4" / 196 hp	125 x 100-500 / BF6M1015	Direct	80 l/sec	150 mtrs	70 l/sec @ 100 mtrs	1800 rpm
6" x 5" / 91 hp	150 x 125-250 / F6L912	Direct	150 l/sec	46 mtrs	110 l/sec @ 38 mtrs	2000 rpm
6" x 5" / 110 hp	150 x 125-250 / F6L914	Direct	160 l/sec	58 mtrs	110 l/sec @ 48 mtrs	2200 rpm
6" x 5" / 147 hp	150 x 125-315 / BF6L914	Direct	140 l/sec	76 mtrs	120 l/sec @ 60 mtrs	2000 rpm
6" x 5" / 196 hp	150 x 125-400 / BF6M1013CP	Direct	130 l/sec	104 mtrs	110 l/sec @ 84 mtrs	1800 rpm
6" x 5" / 300 hp	150 x 125-500 / BF6M1015C	Direct	130 l/sec	160 mtrs	110 l/sec @ 128 mtrs	1800 rpm
8" x 6" / 118 hp	200 x 150-315 / BF6L914	Direct	190 l/sec	56 mtrs	150 l/sec @ 46 mtrs	1800 rpm
8" x 6" / 198 hp	200 x 150 / 400 / BF6M1015	Direct	180 l/sec	82 mtrs	150 l/sec @ 67 mtrs	1800 rpm
8" x 6" / 300 hp	200 x 150-500 / BF8M1015C	Direct	200 l/sec	125 mtrs	150 l/sec @ 100 mtrs	1800 rpm
10" x 8" / 198 hp	250 x 200-315 / BF6M1013CP	Direct	310 l/sec	54 mtrs	250 l/sec @ 44 mtrs	1800 rpm
10" x 8" / 300 hp	250 x 200-400 / BF8M1015C	Direct	310 l/sec	85 Mtrs	250 l/sec @ 72 mtrs	1800 rpm



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