

DEUTZ®

MSHA Approval (30 CFR Part 7) 30 to 590 HP

At **DEUTZ** we understand the rigors of the underground mining environment, which is why we design industrial diesel engines to meet your tough everyday requirements.

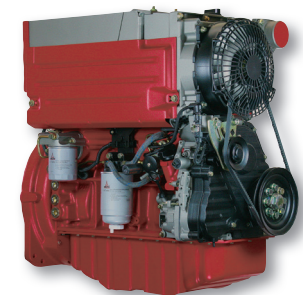
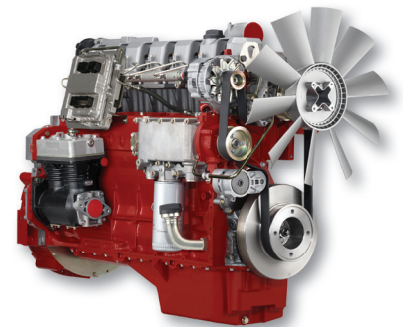
From the initial design stage through R&D testing, we emphasize performance and reliability to provide you with a solution that can maximize your productivity.

Combustion chamber design and fuel mapping are also critical areas of development that provide you with industry-leading ventilation rates.

We are committed to providing products meeting MSHA, EPA Tiers 1, 2, 3, 4 and beyond, as well as complete power solutions – for the environment we live in, now and for the future.

MSHA Approval (30 CFR Part 7) of DEUTZ EPA Tier 2 Engines

ENGINE	Rating			Assigned Vent.		Particulate Index		Approval No.
	kW	HP	rpm	cfm	cfm/HP	cfm	cfm/HP	
F4L 2011	47.8	64.0	2800	3,000	47	4,000	62	07-ENA040012-0
F4M 2011	48.5	65.0	2800	3,000	46	4,000	62	07-ENA040012-0
BF3L 2011	44.9	60.2	2800	4,500	75	2,000	33	07-ENA050007-0
	38.9	52.2	2300	4,000	77	2,000	38	07-ENA050007-0
BF3M 2011	48.5	65.0	2800	4,500	69	2,000	31	07-ENA050007-0
	42	56.3	2300	4,000	71	2,000	36	07-ENA050007-0
BF4L 2011	58.1	78	2800	6,000	77	2,500	32	07-ENA040004-0
								07-ENA040004-1
BF4M 2011	65	87	2800	6,000	69	2,500	29	07-ENA040004-0
								07-ENA040004-1
BF4M 2012	74.9	100	2500	6,000	60	3,000	30	07-ENA040002-0
BF4M 2012C	103	138	2500	6,500	47	3,000	22	07-ENA040003-0
	95	127	2200	5,500	43	3,000	24	07-ENA040003-0
BF6M 2012C	155	208	2500	9,000	43	3,500	17	07-ENA040008-0
BF4M 1013FC (Mech)	129	173	2300	7,000	40	4,000	23	07-ENA040007-1
	117	157	2200	6,500	41	3,000	19	07-ENA040007-1
BF4M 1013EC	118	158	2300	7,000	44	4,000	25	07-ENA040007-1
BF4M 1013C	112	150	2300	7,000	47	4,000	27	07-ENA040007-1
BF6M 1013FC (Mech)	200	268	2300	12,000	45	5,500	21	07-ENA040005-0
BF4M 1013FC (MVS)	127	170	2300	9,000	53	2,500	15	07-ENA040014-0
	112	150	2200	6,000	40	2,000	13	07-ENA040014-1
	101	135	2200	6,000	44	1,500	11	07-ENA040014-1
BF6M 1013FC (MVS)	180	241	2300	12,000	50	3,000	12	07-ENA050002-0
F6L 914	87.5	117	2300	6,000	51	3,500	30	07-ENA040018-0

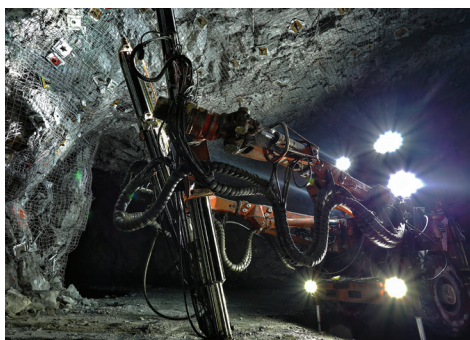
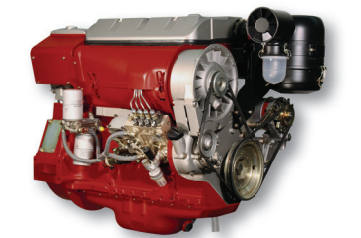
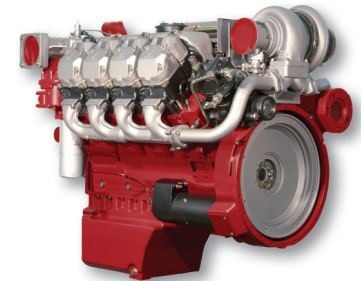
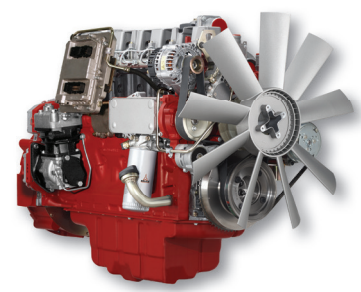


Note: All information is subject to change, is compiled for informational purposes only, and is not binding. Please contact DEUTZ Corporation or one of its authorized representatives for detailed information.

The engine company. 

MSHA Approval (30 CFR Part 7) of DEUTZ EPA Tier 3 / 4i / 4 Engines

ENGINE	Rating			Assigned Vent.		Particulate Index		Approval No.
	kW	HP	rpm	cfm	cfm/HP	cfm	cfm/HP	
D 2011 L02i Tier 4i	22.5	30.2	2800	1,500	50	2,000	66	07-ENA040010-0
D 2011 L02 Tier 4i	23.5	31.5	2800	1,500	48	2,000	63	07-ENA040010-0
D 2011 L03i Tier 4i	35.8	48.0	2800	2,000	42	3,000	62	07-ENA040011-0
D 2011 L03 Tier 4i	36.5	49.0	2800	2,000	41	3,000	61	07-ENA040011-0
D 2011 L04i Tier 4i	47.5	63.7	2600	2,500	40	4,500	71	07-ENA110013-0
TD 2011 L04i Tier 4i	54.7	73.4	2600	3,000	41	2,000	27	07-ENA100005-0
TD 2011 L04 Tier 4i	52.0	69.7	2400	3,000	43	2,000	29	07-ENA100005-0
TD 2011 L04w Tier 3	65.0	87.2	2600	4,000	45	6,000	68	07-ENA110014-0
D 914 L04 Tier 4i	55.0	73.8	2300	3,500	47	4,000	54	07-ENA100007-0
D 914 L06 Tier 3	74.9	100.4	2300	4,500	45	4,500	45	07-ENA100006-0
TCD 914 L06 (ecEGR) Tier 3	129.9	174.2	2300	6,500	37	7,000	40	07-ENA100008-0
TCD 2012 L04 2V Tier 3	103.0	138	2400	5,000	36	3,000	22	07-ENA100001-0
EDC control	98.0	131	2400	5,000	38	3,000	23	07-ENA100001-0
EDC control	93.0	124	2400	4,500	36	3,000	24	07-ENA100001-0
TCD 2012 L06 2V Tier 3	147.0	197	2400	7,500	38	7,000	36	07-ENA100002-0
EDC control	140.0	188	2400	7,000	37	6,000	32	07-ENA100002-0
EDC control	132.0	177	2400	6,500	37	6,000	34	07-ENA100002-0
TCD 2013 L04 Tier 3	126.0	169	2300	6,500	38	3,000	18	07-ENA110005-0
EDC control	120.0	161	2300	5,500	34	3,000	19	07-ENA110005-0
EDC control	113.0	151	2300	6,000	40	2,500	17	07-ENA110005-0
EDC control	105.0	141	2300	5,500	39	3,000	21	07-ENA110005-0
TCD 2013 L06 Tier 3	190.0	255	2300	10,500	41	6,000	24	07-ENA110006-0
EDC control	173.0	232	2300	9,000	39	4,500	19	07-ENA110006-0
EDC control	160.0	215	2300	7,500	35	4,500	21	07-ENA110006-0
TCD 2015 V06 Tier 3	330.0	443	2100	15,500	35	7,500	17	07-ENA120002
EDC control	300.0	402	2100	16,000	40	7,500	19	07-ENA120002
EDC control	240.0	322	2100	11,500	36	7,000	22	07-ENA120002
TCD 2015 V08 Tier 3	440.0	590	2100	22,000	37	8,000	14	07-ENA130001
EDC control	400.0	536	2100	20,000	37	8,500	16	07-ENA130001
EDC control	350.0	469	2100	18,000	38	8,500	18	07-ENA130001
TCD 3.6 L4 Tier 3	90	121	2300	4,500	37	1,000	8	07-ENA190004-0
TCD 3.6 L4 Tier 3	90	121	2200	4,500	37	1,000	8	07-ENA190011-0
TCD 3.6 L4 Tier 4i w/ DOC	90	121	2200	4,500	37	1,000	8	07-ENA190013-0
TCD 3.6 L4 Tier 4i w/ DOC	90	121	2300	4,500	37	1,000	8	07-ENA190012-0
TD 3.6 L4 Tier 4, EU St V w/ DOC/DPF	55	74	2300	5,500	74	500	7	07-ENA210001-0



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The engine company. **DEUTZ**

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