

Optional Low NOx Certified Heavy-Duty Engines

Low NOx Engine	Engine Family	Displacement (Liters)	NOx Certification Standard (g/bhp-hr)	NOx Reduction %	Fuel	Intended Service Class
2021 EOs as of 2/16/2021						
Agility Powertrains 6.0	MAGIE06.0CNG	6.0	0.02	90%	NG	HDO
Cummins 6.7	MCEXH0408BDA	6.7	0.02	90%	NG	MHDD
Cummins 8.9	MCEXH0540LDA	8.9	0.02	90%	NG	MHDD
Cummins 8.9	MCEXH0540LDB	8.9	0.02	90%	NG	UB
Cummins 8.9	MCEXH0540LDC	8.9	0.02	90%	NG	HHDD
Cummins 11.9	MCEXH0729XDA	11.9	0.02	90%	NG	HHDD-UB
PSI 8.8	MPSIE8.8LN1	8.8	0.02	90%	LPG	HDO
2020 EOs						
PSI 8.8	LPSIE8.8LN1	8.8	0.02	90%	LPG	HDO
Cummins 6.7	LCEXH0408BBC	6.7	0.02	90%	NG	MHDD
Cummins 8.9	LCEXH0540LBN	8.9	0.02	90%	NG	HHDD
Cummins 8.9	LCEXH0540LBL	8.9	0.02	90%	NG	MHDD
Cummins 8.9	LCEXH0540LBM	8.9	0.02	90%	NG	UB
Cummins 11.9	LCEXH0729XBC	11.9	0.02	90%	NG	HHDD-UB
Rough (LPG) 6.8	LR1IE06.8BW2	6.8	0.02	90%	LPG	HDO
Rough (LPG) 6.8	LR1IE06.8BWL	6.8	0.05	75%	LPG	HDO
Rough (LPG) 7.3	LR1IE07.3BL1	7.3	0.05	75%	LPG	HDO
2019 EOs						
Agility Powertrains 6.8	KAGIE06.8BW6	6.8	0.02	90%	NG	HDO
Agility Powertrains 6.8	KAGIE06.8BWZ	6.8	0.02	90%	NG	HDO
Agility Powertrains 6.0	KAGIE06.0584	6.0	0.05	75%	NG	HDO
Cummins 8.9	KCEXH0540LBL	8.9	0.02	90%	NG	MHDD
Cummins 11.9	KCEXH0729XBC	11.9	0.02	90%	NG	HHDD-UB
Cummins 6.7	KCEXH0408BBB	6.7	0.10	50%	NG	MHDD
Encore Tec 6.8	KEL3E06.8BWZ	6.8	0.02	90%	NG	HDO
Encore Tec 6.8	KEL3E06.8BW6	6.8	0.02	90%	NG	HDO
Encore Tec 6	KEL3E06.0584	6.0	0.05	75%	NG	HDO
Rough (CNG) 6.8	KRIIE06.8BC2	6.8	0.02	90%	NG	HDO
Rough (CNG) 6.8	KRIIE06.8BC1	6.8	0.10	50%	NG	HDO
Rough (LPG) 6.8	KRIIE06.8BW2	6.8	0.02	90%	LPG	HDO
Rough (LPG) 6.8	KRIIE06.8BWL	6.8	0.05	75%	LPG	HDO
2018 EOs						
Agility Powertrains 6	JAGIE06.0584	6.0	0.05	75%	NG	HDO
Cummins 6.7	JCEXH0408BBB	6.7	0.10	50%	NG	MHDD
Cummins 8.9	JCEXH0540LBN	8.9	0.02	90%	NG	HHDD
Cummins 8.9	JCEXH0540LBL	8.9	0.02	90%	NG	MHDD
Cummins 8.9	JCEXH0540LBM	8.9	0.02	90%	NG	UB
Cummins 11.9	JCEXH0729XBC	11.9	0.02	90%	NG	HHDD-UB
Encore Tec 6	JEL3E06.0584	6.0	0.05	75%	NG	HDO
Encore Tec 6.8	JEL3E06.8BWZ	6.8	0.02	90%	NG	HDO
Encore Tec 6.8	JEL3E06.8BW6	6.8	0.02	90%	NG	HDO
Rough (LPG) 6.8	JRIIE06.8BWL	6.8	0.05	75%	LPG	HDO
Rough (LPG) 6.8	JRIIE06.8BW2	6.8	0.02	90%	LPG	HDO
2017 EOs						
Cummins 8.9	HCEXH0540LBK	8.9	0.02	90%	NG	HHDD
Cummins 8.9	HCEXH0540LBJ	8.9	0.02	90%	NG	MHDD
Cummins 8.9	HCEXH0540LBI	8.9	0.02	90%	NG	UB
Cummins 6.7	HCEXHO408BBA	6.7	0.10	50%	NG	MHDD
Encore Tec 6.8	HEL3E06.8BWZ	6.8	0.02	90%	NG	HDO
Encore Tec 6	HEL3E06.076P	6.0	0.05	75%	NG	HDO
GreenKraft (LPG) 8	HGKTE08.0GL8	8.0	0.02	90%	LPG	HDO
GreenKraft (CNG) 8	HGKTE08.0GC8	8.0	0.02	90%	NG	HDO
Rough (LPG) 6.8	HRIIE06.8BWL	6.8	0.05	75%	LPG	HDO
Rough (CNG) 6.8	HRIIE06.8BWC	6.8	0.10	50%	NG	HDO
Westport Dallas 6.8	HBAFE06.8BW6	6.8	0.05	75%	NG	HDO
2016 EOs						
Cummins 8.9	GCEXH0540LBJ	8.9	0.02	90%	NG	MHDD
Rough 6.8	GRIIE06.8BWC	6.8	0.10	50%	NG	HDO

UB - Urban Bus
 MHDD - Medium-Heavy Duty Diesel Cycle
 HHDD - Heavy-Heavy Duty Diesel Cycle
 HDO - Heavy-Duty Otto-Cycle
 NG - Natural Gas
 LPG - Liquefied Petroleum Gas