

Dimensions & Raw/uncontrolled emissions; controlled by Emissions Control System (ECS)

UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)		8-cyl	12-cyl	16-cyl	20-cyl
Specific EMISSIONS at 100% output; per power output					
NO _x	g/bhp.hr	4.55	4.55	4.55	4.55
CO	g/bhp.hr	0.16	0.16	0.16	0.16
PM	g/bhp.hr	0.07	0.07	0.07	0.07
THC (VOC/UHC)	g/bhp.hr	0.08	0.08	0.08	0.08
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
Specific EMISSIONS at 100% output; per power output					
NO _x	g/KWh	6.10	6.10	6.10	6.10
CO	g/KWh	0.22	0.22	0.22	0.22
PM	g/KWh	0.10	0.10	0.10	0.10
THC (VOC/UHC)	g/KWh	0.11	0.11	0.11	0.11
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
EMISSIONS at 100% output;	per MMBtu fuel input				
NO _x	lb/MMBtu	0.00	0.00	0.00	0.00
CO	lb/MMBtu	0.00	0.00	0.00	0.00
PM	lb/MMBtu	0.00	0.00	0.00	0.00
THC (VOC/UHC)	lb/MMBtu	0.00	0.00	0.00	0.00
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
Maximum Potential to Emit (PTE) at 100% output; tons/year					
NO _x	tons/yr	0	0	0	0
CO	tons/yr	0	0	0	0
PM	tons/yr	0	0	0	0
THC (VOC/UHC)	tons/yr	0	0	0	0
NOMINAL WEIGHT	lbs	100,000	115,000	125,000	140,000
Nominal Frame dimensions					
Length	inches	286	321	363	474
Width	inches	73	82	76	77
Height	inches	116	116	116	187

UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)		8-cyl	12-cyl	16-cyl	20-cyl
Specific EMISSIONS at 100% output; per power output					
NO _x	g/bhp.hr	4.55	4.55	4.55	4.55
CO	g/bhp.hr	0.16	0.16	0.16	0.16
PM	g/bhp.hr	0.07	0.07	0.07	0.07
THC (VOC/UHC)	g/bhp.hr	0.08	0.08	0.08	0.08
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
Specific EMISSIONS at 100% output; per power output					
NO _x	g/KWh	6.10	6.10	6.10	6.10
CO	g/KWh	0.22	0.22	0.22	0.22
PM	g/KWh	0.10	0.10	0.10	0.10
THC (VOC/UHC)	g/KWh	0.11	0.11	0.11	0.11
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
EMISSIONS at 100% output;	per GJ fuel input				
NO _x	Kg/GJ	0.00	0.00	0.00	0.00
CO	Kg/GJ	0.00	0.00	0.00	0.00
PM	Kg/GJ	0.00	0.00	0.00	0.00
THC (VOC/UHC)	Kg/GJ	0.00	0.00	0.00	0.00
UNCONTROLLED EMISSIONS; Reduced with Emissions Control System (ECS)					
Maximum Potential to Emit (PTE) at 100% output; tons/year					
NO _x	Metric tonne/yr	0	0	0	0
CO	Metric tonne/yr	0	0	0	0
PM	Metric tonne/yr	0	0	0	0
THC (VOC/UHC)	Metric tonne/yr	0	0	0	0
NOMINAL WEIGHT	Kgs	45,455	52,273	56,818	63,636
Nominal Frame dimensions					
Length	mm	726	815	922	1,204
Width	mm	185	208	193	196
Height	mm	295	295	295	475

Estimated DEF32 / AUS32 reqd. for NOx control and Part-Load Emissions: NOx, CO and PM

EFFECTIVENESS of EMISSIONS CONTROL SYSTEM (ECS):			8-cyl	12-cyl	16-cyl	20-cyl
NO _x	% emissions reduced		90%	90%	90%	90%
CO	% emissions reduced		70%	70%	70%	70%
PM	% emissions reduced		10%	10%	10%	10%
THC (VOC/UHC)	% emissions reduced		10%	10%	10%	10%
DEF32 reqd. 3.0% of diesel						
Engine load	% load	AUS32 used				
100% load	100%	gallons/hr	2.4	3.9	5.0	6.6
75% load	75%	gallons/hr	1.3	2.2	2.8	3.7
50% load	50%	gallons/hr	0.7	1.1	1.4	1.9
25% load	25%	gallons/hr	0.2	0.3	0.5	0.6
EMISSIONS DOWNSTREAM of EMISSIONS CONTROL SYSTEM (ECS)			8-cyl	12-cyl	16-cyl	20-cyl
NO _x	% load					
100% load	100%	g/bhp.hr	0.46	0.46	0.46	0.46
75% load	75%	g/bhp.hr	0.46	0.46	0.46	0.46
50% load	50%	g/bhp.hr	0.46	0.46	0.46	0.46
25% load	25%	g/bhp.hr	0.46	0.46	0.46	0.46
NO _x	% load					
100% load	100%	tons/yr	0.0	0.0	0.0	0.0
75% load	75%	tons/yr	0.0	0.0	0.0	0.0
50% load	50%	tons/yr	0.0	0.0	0.0	0.0
25% load	25%	tons/yr	0.0	0.0	0.0	0.0
CO						
100% load	100%	g/bhp.hr	0.05	0.05	0.05	0.05
75% load	75%	g/bhp.hr	0.05	0.05	0.05	0.05
50% load	50%	g/bhp.hr	0.05	0.05	0.05	0.05
25% load	25%	g/bhp.hr	0.05	0.05	0.05	0.05
CO						
100% load	100%	tons/yr	0.0	0.0	0.0	0.0
75% load	75%	tons/yr	0.0	0.0	0.0	0.0
50% load	50%	tons/yr	0.0	0.0	0.0	0.0
25% load	25%	tons/yr	0.0	0.0	0.0	0.0
PM						
100% load	100%	g/bhp.hr	0.07	0.07	0.07	0.07
75% load	75%	g/bhp.hr	0.07	0.07	0.07	0.07
50% load	50%	g/bhp.hr	0.07	0.07	0.07	0.07
25% load	25%	g/bhp.hr	0.07	0.07	0.07	0.07
PM						
100% load	100%	tons/yr	0.0	0.0	0.0	0.0
75% load	75%	tons/yr	0.0	0.0	0.0	0.0
50% load	50%	tons/yr	0.0	0.0	0.0	0.0
25% load	25%	tons/yr	0.0	0.0	0.0	0.0

EFFECTIVENESS of EMISSIONS CONTROL SYSTEM (ECS):				8-cyl	12-cyl	16-cyl	20-cyl
NOx		% emissions reduced		90%	90%	90%	90%
CO		% emissions reduced		70%	70%	70%	70%
PM		% emissions reduced		10%	10%	10%	10%
THC (VOC/UHC)		% emissions reduced		10%	10%	10%	10%
DEF32 reqd. 3.0% of diesel							
Engine load	% load	AUS32 used					
100% load	100%	liters / hr	9.0	14.7	19.0	25.1	
75% load	75%	liters / hr	5.0	8.3	10.7	14.1	
50% load	50%	liters / hr	2.5	4.1	5.3	7.1	
25% load	25%	liters / hr	0.8	1.3	1.7	2.3	
EMISSIONS DOWNSTREAM of EMISSIONS CONTROL SYSTEM (ECS)				8-cyl	12-cyl	16-cyl	20-cyl
NOx	% load						
100% load	100%	g/bhp.hr	0.46	0.46	0.46	0.46	
75% load	75%	g/bhp.hr	0.46	0.46	0.46	0.46	
50% load	50%	g/bhp.hr	0.46	0.46	0.46	0.46	
25% load	25%	g/bhp.hr	0.46	0.46	0.46	0.46	
NOx	% load						
100% load	100%	Metric tonne/yr	0.0	0.0	0.0	0.0	
75% load	75%	Metric tonne/yr	0.0	0.0	0.0	0.0	
50% load	50%	Metric tonne/yr	0.0	0.0	0.0	0.0	
25% load	25%	Metric tonne/yr	0.0	0.0	0.0	0.0	
CO							
100% load	100%	g/bhp.hr	0.05	0.05	0.05	0.05	
75% load	75%	g/bhp.hr	0.05	0.05	0.05	0.05	
50% load	50%	g/bhp.hr	0.05	0.05	0.05	0.05	
25% load	25%	g/bhp.hr	0.05	0.05	0.05	0.05	
CO	0						
100% load	100%	Metric tonne/yr	0.0	0.0	0.0	0.0	
75% load	75%	Metric tonne/yr	0.0	0.0	0.0	0.0	
50% load	50%	Metric tonne/yr	0.0	0.0	0.0	0.0	
25% load	25%	Metric tonne/yr	0.0	0.0	0.0	0.0	
PM							
100% load	100%	g/bhp.hr	0.07	0.07	0.07	0.07	
75% load	75%	g/bhp.hr	0.07	0.07	0.07	0.07	
50% load	50%	g/bhp.hr	0.07	0.07	0.07	0.07	
25% load	25%	g/bhp.hr	0.07	0.07	0.07	0.07	
PM							
100% load	100%	Metric tonne/yr	0.0	0.0	0.0	0.0	
75% load	75%	Metric tonne/yr	0.0	0.0	0.0	0.0	
50% load	50%	Metric tonne/yr	0.0	0.0	0.0	0.0	
25% load	25%	Metric tonne/yr	0.0	0.0	0.0	0.0	