

Attachment 1

Input Factors

CATEGORY	P/N	FUEL	HP	DESCRIPTION	(hr/yr)									
					1990 POP	2010 POP	ACTIVITY	AVE. HP	LIFE	LOAD	BSFC			
Agricultural	N	G4	250	Combines	19	23	125	194	16	0.74	0.55			
				Other Agricultural Equipment	21	25	124	246	10	0.55	0.55			
	P	G4	50	Balers	2,817	3,453	68	35	16	0.55	0.70			
				Hydro Power Units	27	33	450	38	5	0.56	0.70			
				Other Agricultural Equipment	88	107	124	29	16	0.55	0.70			
				Sprayers	531	650	80	33	16	0.50	0.70			
			120	Agricultural Tractors	772	946	550	82	16	0.62	0.55			
				Balers	1,440	1,765	68	75	16	0.55	0.55			
				Combines	194	237	125	103	9	0.74	0.55			
				Hydro Power Units	4	4	450	66	3	0.56	0.55			
				Other Agricultural Equipment	507	621	124	67	15	0.55	0.55			
				Sprayers	893	1,094	80	68	12	0.50	0.55			
				Swathers	2,888	3,540	95	88	16	0.52	0.55			
			175	Agricultural Tractors	106	129	550	125	16	0.62	0.55			
				Combines	108	132	125	164	10	0.74	0.55			
				Other Agricultural Equipment	58	71	124	136	9	0.55	0.55			
				Sprayers	201	246	80	140	16	0.50	0.55			
				Swathers	2,213	2,712	95	129	12	0.52	0.55			
			Airport Ground Support	N	C4	50	Forklift	170	289	6	50	6	0.30	0.55
							Other Airport Support	15	25	16	50	16	0.50	0.55
120	Baggage Tug	72				126	876	100	6	0.55	0.55			
	Belt Loader	16				27	810	60	7	0.50	0.55			
	Bobtail	2				3	6	100	6	0.55	0.55			
	Cargo Loader	4				7	8	70	8	0.50	0.55			
	Lift	7				8	376	100	16	0.50	0.55			
175	Air Conditioner	4				7	22	130	16	0.75	0.55			
	Lav Truck	2				3	9	130	9	0.25	0.55			
250	Service Truck	24				42	11	180	11	0.20	0.55			
G4	50	Forklift			71	124	726	50	6	0.30	0.70			
		Other Airport Support			130	226	183	50	16	0.50	0.70			
	120	Baggage Tug			559	912	876	100	6	0.55	0.55			
		Belt Loader			264	430	810	60	7	0.50	0.55			
		Bobtail			86	130	876	100	6	0.55	0.55			
		Cargo Loader			75	131	719	70	8	0.50	0.55			
		Deicer			32	40	22	93	16	0.95	0.55			
	Lift	119			198	376	100	16	0.50	0.55				
	175	A/C Tug, Narrow Body			40	61	551	130	7	0.80	0.55			
		Air Conditioner			1	1	22	130	16	0.75	0.55			
Air Start Unit		1	1	135	130	16	0.90	0.55						
Fuel Truck		45	79	22	130	16	0.25	0.55						
Ground Power Unit		57	101	796	150	5	0.75	0.55						
Lav Truck		63	100	1,212	130	9	0.25	0.55						
Maint. Truck		83	137	449	130	13	0.50	0.55						
Water Truck	20	31	310	150	16	0.20	0.55							
250	Service Truck	136	235	1,299	180	11	0.20	0.55						
500	A/C Tug, Wide Body	14	24	515	500	7	0.80	0.55						
Construction	P	G4	50	Asphalt Pavers	118	139	392	32	5	0.66	0.70			
				Bore/Drill Rigs	36	42	107	32	16	0.79	0.70			
				Concrete/Industrial Saws	136	160	610	35	3	0.78	0.70			
				Cranes	41	48	415	37	6	0.47	0.70			
				Paving Equipment	320	376	175	37	13	0.59	0.70			
				Rollers	82	96	621	37	16	0.62	0.70			
				Rough Terrain Forklifts	17	20	413	47	4	0.63	0.70			
				Rubber Tired Loaders	41	48	512	40	3	0.54	0.70			
				Skid Steer Loaders	1,126	1,326	310	32	10	0.58	0.70			
				Trenchers	751	884	402	30	5	0.66	0.70			
				120	Asphalt Pavers	65	76	392	61	16	0.66	0.55		
					Bore/Drill Rigs	167	196	107	88	16	0.79	0.55		
					Concrete/Industrial Saws	77	90	610	66	2	0.78	0.55		
			Cranes		83	97	415	74	16	0.47	0.55			
			Crushing/Proc. Equipment		48	56	241	96	16	0.85	0.55			
			Dumpers/Tenders		30	35	127	66	16	0.41	0.55			
			Rollers		156	183	621	75	16	0.62	0.55			

CATEGORY	P/N	FUEL	HP	DESCRIPTION	(hr/yr)							
					1990 POP	2010 POP	ACTIVITY	AVE. HP	LIFE	LOAD	BSFC	
				Rough Terrain Forklifts	234	275	413	85	16	0.63	0.55	
				Rubber Tired Loaders	274	322	512	72	4	0.54	0.55	
				Skid Steer Loaders	674	794	310	80	10	0.58	0.55	
				Tractors/Loaders/Backhoes	146	172	870	63	16	0.48	0.55	
				Trenchers	249	293	402	66	16	0.66	0.55	
			175	Bore/Drill Rigs	41	48	107	126	16	0.79	0.55	
				Cranes	3	3	415	125	16	0.47	0.55	
				Other Construction Equipment	116	136	371	126	6	0.48	0.55	
				Rough Terrain Forklifts	9	10	413	142	3	0.63	0.55	
			Light-duty Commercial	N	C4	120	Generator Sets	130	215	115	83	16
175	Generator Sets	31				178	115	146	16	0.68	0.55	
G4	50	Generator Sets			12,907	14,925	115	32	16	0.68	0.70	
	120	Generator Sets			2,493	2,882	115	83	16	0.68	0.55	
	175	Generator Sets			236	272	115	146	16	0.68	0.55	
	250	Gas Compressors			8	9	8,500	210	2	0.85	0.55	
500	Gas Compressors	7			8	8,500	338	1	0.85	0.55		
P	G4	50			Air Compressors	392	453	484	35	5	0.56	0.70
					Gas Compressors	29	33	8,500	32	3	0.85	0.70
					Pressure Washers	115	132	115	29	13	0.85	0.70
				Pumps	1,032	1,193	221	31	10	0.69	0.70	
	Welders	2,050		2,370	208	45	10	0.51	0.70			
		120		Air Compressors	1,272	1,470	484	70	16	0.56	0.55	
	Gas Compressors	60		69	8,500	88	1	0.85	0.55			
		Pumps		1,307	1,511	221	93	16	0.69	0.55		
	Welders	2,092		2,419	208	70	16	0.51	0.55			
	175	Air Compressors		86	99	484	134	4	0.56	0.55		
Gas Compressors				10	11	8,500	146	1	0.85	0.55		
Pumps	39	45		221	144	16	0.69	0.55				
	Welders	144		166	208	130	16	0.51	0.55			
Light-duty Industrial	N	C4	50	Forklifts	4,757	6,070	1,800	41	7	0.30	0.55	
			G4	50	Forklifts	2,916	3,260	1,800	41	7	0.30	0.70
			Other General Industrial Equipmen	279	311	713	30	4	0.54	0.70		
				Other Material Handling Equipment	4	4	386	41	6	0.53	0.70	
				Sweepers/Scrubbers	813	909	516	35	3	0.71	0.70	
		120	Other General Industrial Equipmen	92	102	713	79	4	0.54	0.55		
				Other Material Handling Equipment	175	195	386	54	16	0.53	0.55	
				Sweepers/Scrubbers	679	759	516	68	16	0.71	0.55	
	175	Other General Industrial Equipmen	9	10	713	174	3	0.54	0.55			
			Sweepers/Scrubbers	4	4	516	140	1	0.71	0.55		
	P	C4	120	Forklifts	16,695	21,303	1,800	70	7	0.30	0.55	
			175	Forklifts	611	779	1,800	146	7	0.30	0.55	
		G4	50	Aerial Lifts	934	1,044	361	33	8	0.46	0.70	
			120	Aerial Lifts	874	977	361	67	10	0.46	0.55	
175		Forklifts	10,233	11,441	1,800	70	7	0.30	0.55			
			374	418	1,800	146	7	0.30	0.55			
Lawn & Garden	N	G4	50	Commercial Turf Equipment	1,422	1,907	733	28	12	0.60	0.70	
				Lawn & Garden Tractor	115	154	104	25	14	0.62	0.55	
				Other Lawn & Garden Equipment	4	5	61	36	16	0.58	0.70	
		120	Commercial Turf Equipment	9	12	733	53	3	0.60	0.55		
				Other Lawn & Garden Equipment	10	13	61	102	16	0.58	0.55	

- HP Horsepower
- P Preempted
- N Non-preempted
- Pop Equipment Population
- BSFC Brake Specific Fuel Consumption
- C4 CNG/LPG - 4 stroke
- G4 Gasoline - 4 stroke