

RV Generator Facts Calculated from Manufacturer's Published Data

Revision 03/16/2014

Power Tech PT-8KSi-2	Diesel				
Engine	Kubota 1105	1800 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	8,000	6,000	4,000	2,000	
Gal per Hour	0.64		0.32		0.10
BTU Input	83,200		41,600		
BTU Output	27,280	20,460	13,640	6,820	
GPH per KW	0.0800		0.0800		
KW per Gal	13		13		
Effeciency	33%		33%		
Operation	Constant Speed				
Sound db(A) @ 10'	66				
Weight - lbs	515				

Power Tech PT-10KSi-2	Diesel				
Engine	Kubota 1505	1800 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	10,000	7,500	5,000	2,500	
Gal per Hour	1.00		0.43		0.10
BTU Input	130,000		55,900		
BTU Output	34,100	25,575	17,050	8,525	
GPH per KW	0.1000		0.0860		
KW per Gal	10		12		
Effeciency	26%		31%		
Operation	Constant Speed				
Sound db(A) @ 10'	66				
Weight - lbs	620				

Power Tech PT-12KSi-2	Diesel				
Engine	Kubota 1505	1800 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	12,000	9000	6000	3,000	
Gal per Hour	1.1		0.47		0.1
BTU Input	143,000		61,100		
BTU Output	40,920	30,690	20,460	10,230	
GPH per KW	0.0917		0.0783		
KW per Gal	11		13		
Effeciency	29%		33%		
Operation	Constant Speed				
Sound db(A) @ 10'	66				
Weight - lbs	620				

Power Tech CD-8 Diesel - discontinued

Engine	Kubota D1105-B	13.6HP @ 1800			
Load	100%	75%	50%	25%	0%
Watts Output	8,000	6000	4000	2,000	
Gal per Hour	0.72	0.6	0.38	0.25	
BTU Input	93,600	78,000	49,400	32,500	
BTU Output	27,280	20,460	13,640	6,820	
GPH per KW	0.0900	0.1000	0.0950	0.1250	
KW per Gal	11	10	11	8	
Effeciency	29%	26%	28%	21%	
Operation	Constant Speed				
Sound					
Weight - lbs	420				

Power Tech CD-7

	Diesel - discontinued				
Engine	Kubota 905B-B	10.5HP @ 1800			
Load	100%	75%	50%	25%	0%
Watts Output	7,000	5,250	3,500	1,750	
Gal per Hour	0.64	0.51	0.32	0.16	
BTU Input	83,200	66,300	41,600	20,800	
BTU Output	23,870	17,903	11,935	5,968	
GPH per KW	0.0914	0.0971	0.0914	0.0914	
KW per Gal	11	10	11	11	
Effeciency	29%	27%	29%	29%	
Operation	Constant Speed				
Sound					
Weight - lbs	390				

Onan 8.0 HDKAK

	Diesel	16.6 @ 3600 RPM			
Engine					
Load	100%	75%	50%	25%	0%
Watts Output	8,000	6,000	4,000	2,000	
Gal per Hour	1.02		0.49		0.13
BTU Input	132,600		63,700		
BTU Output	27,280	20,460	13,640	6,820	
GPH per KW	0.1275		0.1225		
KW per Gal	8		8		
Effeciency	21%		21%		
Operation	Variable Speed				
Sound db(A) @ 10'			66		
Weight - lbs	420				

Onan 6.0 HDKAK

	Diesel	16.6 @ 3600 RPM			
Engine					
Load	100%	75%	50%	25%	0%
Gal per Hour	6,000	4500	3000	1,500	
Gal per Hours	0.7		0.4		0.13

BTU Input	91,000		52,000	
BTU Output	20,460	15,345	10,230	5,115
GPH per KW	0.1167		0.1333	
KW per Gal	9		8	
Effeciency	22%		20%	
Operation	Variable Speed			
Sound - dbA			66	
Weight - lbs	420			

Onan 10.0 HDKCA	Diesel				
Engine		27 @ 1800 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	10,000	7,500	5,000	2,500	
Gal per Hour	1.01		0.43		0.1
BTU Input	131,300		55,900		
BTU Output	34,100	25,575	17,050	8,525	
Gal per Hours	1.02		0.49		0.13
GPH per KW	0.1010		0.0860		
KW per Gal	10		12		
Effeciency	26%		31%		
Operation	Constant Speed				
Sound db(A) @ 10'			68		
Weight - lbs	765				

Onan 12.5 HDKCB	Diesel				
Engine		27 @ 1800 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	12,500	9,375	6,250	3,125	
Gal per Hour	1.2		0.48		0.1
BTU Input	156,000		62,400		
BTU Output	42,625	31,969	21,313	10,656	
Gal per Hours	1.02		0.49		0.13
GPH per KW	0.0960		0.0768		
Effeciency	27%		34%		
Operation	Constant Speed				
Sound db(A) @ 10'			68		
Weight - lbs	770				

Onan 5.5 HGJAB-	Gasoline				
Engine		12.9 @ 2400 RPM			
Load	100%	75%	50%	25%	0%
Watts Output	5,500	4,125	2,750	1,375	
Gal per Hour	0.9		0.6		0.3
BTU Input	100,800		67,200		
BTU Output	18,755	14,066	9,378	4,689	
GPH per KW	0.1636		0.2182		

KW per Gal	6	5
Effeciency	19%	14%
Operation	Constant Speed	
Sound - dbA		67
Weight - lbs	279	

Onan 7 HGJAB

	Gasoline				
Engine	14 @ 2880 RPM				
Load	100%	75%	50%	25%	0%
Watts Output	7,000	5,250	3,500	1,750	
Gal per Hour	1.2		0.7		0.4
BTU Input	134,400		78,400		
BTU Output	23,870	17,903	11,935	5,968	
GPH per KW	0.1714		0.2000		
KW per Gal	6		5		
Effeciency	18%		15%		
Operation	Constant Speed				
Sound - dbA			67		
Sound db(A) @ 10'	290				

Honda EU2000I

	Gasoline				
Engine					
Load	100%	75%	50%	25%	0%
Watts Output	1,600	1,200	800	400	
Gal per Hour	0.24			0.10	
BTU Input	26,600			11,083	
BTU Output	5,456	4,092	2,728	1,364	
GPH per KW	0.1484			0.2474	
KW per Gal	7			4	
Effeciency	21%			12%	
Operation	4300--5000 RPM				
Sound db(A) @ 10'	59			53	
Weight - lbs	46				

Honda EU3000I

	Gasoline				
Engine					
Load	100%	75%	50%	25%	0%
Watts Output	2,600	1,950	1,300	650	
Gal per Hour	0.45			0.20	
BTU Input	49,920			22,691	
BTU Output	8,866	6,650	4,433	2,217	
Gal per Hours	1.2			0.48	0.1
GPH per KW	0.1714			0.3117	
KW per Gal	6			3	
Effeciency	18%			10%	
Operation	Variable Speed				

Sound db(A) @ 10'	58	49
Weight - lbs	134	

Onan 5.5 HGJAB-	Propane	10.7 @ 2400 RPM				
Engine						
Load	100%	75%	50%	25%	0%	
Watts Output	5,500	4,125	2,750	1,375		
Gal per Hour	1.1		0.8		0.4	
BTU Input	92,730		67,440			
BTU Output	18,755	14,066	9,378	4,689		
GPH per KW	0.2000		0.2909			
KW per Gal	5		3			
Effeciency	20%		14%			
Operation	Constant Speed					
Sound db(A) @ 10'			57			
Weight - lbs	279					

Onan 6.5 HGJAB	Propane	11.6 @ 2880 RPM				
Engine						
Load	100%	75%	50%	25%	0%	
Watts Output	6,500	4,875	3,250	1,625		
Gal per Hour	1.2		0.8		0.5	
BTU Input	101,160		67,440			
BTU Output	22,165	16,624	11,083	5,541		
GPH per KW	0.1846		0.2462			
KW per Gal	5		4			
Effeciency	22%		16%			
Operation	Constant Speed					
Sound db(A) @ 10'			67			
Weight - lbs	279					

Fuel Energy Content	
Ultra low sulfur Diesel	130,000
Gasoline 10% Ethonal	112,000
Propane	84,300