

App Note: WattNode[®] Scale Factors 2/1/1999

For standard 4.000 Hz and 2.667 Hz output Pulse WattNodes.

Pulses per kilowatt-hour

CT Size (amps)	Model(s) WNA-xx-xxx-P				
	1P-240 3Y-208	3D-240 3Y-400	3Y-480	3D-480	3Y-600
5	8000.00	4000.00	3465.70	2000.00	2766.57
15	2666.67	1333.33	1155.24	666.667	922.190
30	1333.33	666.667	577.617	333.333	461.095
50	800.000	400.000	346.570	200.000	276.657
60	666.667	333.333	288.809	166.667	230.548
70	571.429	285.714	247.550	142.857	197.612
100	400.000	200.000	173.285	100.000	138.329
150	266.667	133.333	115.523	66.667	92.219
200	200.000	100.000	86.643	50.000	69.164
250	160.000	80.000	69.314	40.000	55.331
300	133.333	66.667	57.762	33.333	46.110
400	100.000	50.000	43.321	25.000	34.582
600	66.667	33.333	28.881	16.667	23.055
800	50.000	25.000	21.661	12.500	17.291
1000	40.000	20.000	17.329	10.000	13.833
1200	33.333	16.667	14.440	8.333	11.527
1500	26.667	13.333	11.552	6.667	9.222
2000	20.000	10.000	8.664	5.000	6.916
3000	13.333	6.667	5.776	3.333	4.611
any	$\frac{40,000}{CTsize}$	$\frac{20,000}{CTsize}$	$\frac{17,329}{CTsize}$	$\frac{10,000}{CTsize}$	$\frac{13,833}{CTsize}$

Watt-hours per pulse

CT Size (amps)	Model(s) WNA-xx-xxx-P				
	1P-240 3Y-208	3D-240 3Y-400	3Y-480	3D-480	3Y-600
5	0.125	0.250	0.289	0.500	0.361
15	0.375	0.750	0.866	1.500	1.084
30	0.750	1.500	1.731	3.000	2.169
50	1.250	2.500	2.885	5.000	3.615
60	1.500	3.000	3.463	6.000	4.338
70	1.750	3.500	4.040	7.000	5.060
100	2.500	5.000	5.771	10.000	7.229
150	3.750	7.500	8.656	15.000	10.844
200	5.000	10.000	11.542	20.000	14.458
250	6.250	12.500	14.427	25.000	18.073
300	7.500	15.000	17.313	30.000	21.688
400	10.000	20.000	23.083	40.000	28.917
600	15.000	30.000	34.625	60.000	43.375
800	20.000	40.000	46.167	80.000	57.833
1000	25.000	50.000	57.708	100.00	72.292
1200	30.000	60.000	69.250	120.00	86.750
1500	37.500	75.000	86.563	150.00	108.44
2000	50.000	100.00	115.42	200.00	144.58
3000	75.000	150.00	173.13	300.00	216.88
any	$\frac{CTsize}{40}$	$\frac{CTsize}{20}$	$\frac{CTsize}{17.329}$	$\frac{CTsize}{10}$	$\frac{CTsize}{13.833}$

Note: *CTsize* is the rated (full-scale) amperage of the current transformer(s).



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