

**Energy Efficient Single Phase and Single Phase Watchdog**

**Table 14.6: EE Single Phase; 60 Hz; 120/240 Vac Secondary; cULus Listed**

kVA	Catalog No.	Minimum Efficiency @ 35% 75° C	Full Capacity Taps <sup>[6]</sup>	Degree C Temp. Rise	Insulation Class	%I <sub>Z</sub>	Sound Level dB	Weight (lbs) <sup>[7]</sup>	Enclosure <sup>[8]</sup>
<b>240 x 480 Vac Primary, Aluminum Windings</b>									
15	EE15S3H	97.70%	480 Vac 6-2.5% 2+4- 240 Vac 3-5% 1+2-	150	220	6.1%	45dB	215	17D
25	EE25S3H	98.00%		150	220	5.9%	45dB	275	17H
37.5	EE37S3H	98.20%		150	220	6.1%	45dB	340	18H
50	EE50S3H	98.30%		150	220	5.1%	45dB	395	18H
75	EE75S3H	98.50%		150	220	5.7%	50dB	619	21D
100	EE100S3H	98.60%		150	220	4.7%	50dB	682	22D
167	EE167S3H	98.70%		150	220	3.9%	55dB	982	24D
250	EE250S3H	98.80%		150	220	5.7%	55dB	1060	25D
333	EE333S3H	98.90%		150	220	6.3%	60dB	1854	31D
<b>600 Vac Primary, Aluminum Windings</b>									
15	EE15S3534H	97.70%	6-2.5%2+4-	150	220	4.0	45dB	215	17D
25	EE25S3534H	98.00%	6-2.5%2+4-	150	220	4.3	45dB	275	17H
37.5	EE37S3534H	98.20%	6-2.5%2+4-	150	220	3.8	45dB	400	18H
50	EE50S3534H	98.30%	6-2.5%2+4-	150	220	4.2	45dB	450	18H
75	EE75S3534H	98.50%	6-2.5%2+4-	150	220	3.2	50dB	605	21D
100	EE100S3534H	98.60%	6-2.5%2+4-	150	220	2.9	50dB	795	22D
167	EE167S3534H	98.70%	6-2.5%2+4-	150	220	4.7	55dB	985	24D
250	EE250S3534H	98.80%	6-2.5%2+4-	150	220	—	55dB	1065	25D
333	EE333S3534H	98.90%	6-2.5%2+4-	150	220	—	60dB	1865	31D
<b>208 Vac Primary, Aluminum Windings</b>									
15	EE15S60H	97.70%	2- 5% FCBN	150	220	4.3	45dB	200	17D
25	EE25S60H	98.00%	2- 5% FCBN	150	220	4.1	45dB	275	17H
37.5	EE37S60H	98.20%	2- 5% FCBN	150	220	3.6	45dB	397	18H
50	EE50S60H	98.30%	2- 5% FCBN	150	220	5.7	45dB	420	18H
75	EE75S60H	98.50%	2- 5% FCBN	150	220	3.6	50dB	621	21D
100	EE100S60H	98.60%	2- 5% FCBN	150	220	6.3	50dB	795	22D
167	EE167S60H	98.70%	2- 5% FCBN	150	220	4.2	55dB	985	24D
<b>277 Vac Primary, Aluminum Windings</b>									
15	EE15S61H	97.70%	2- 5% FCBN	150	220	5.8	45dB	225	17D
25	EE25S61H	98.00%	2- 5% FCBN	150	220	5.8	45dB	285	17H
37.5	EE37S61H	98.20%	2- 5% FCBN	150	220	5.7	45dB	410	18H
50	EE50S61H	98.30%	2- 5% FCBN	150	220	5.1	45dB	460	18H
75	EE75S61H	98.50%	2- 5% FCBN	150	220	5.6	50dB	630	21D
100	EE100S61H	98.60%	2- 5% FCBN	150	220	6.5	50dB	795	22D
167	EE167S61H	98.70%	2- 5% FCBN	150	220	4.9	55dB	995	24D

**Table 14.7: EE Single Phase Watchdog Transformers: 60 Hz, cULus Listed**

kVA	Catalog No.	Minimum Efficiency @ 35% 75° C	Full Capacity Taps	Degree C Temp. Rise	Insulation Class	%I <sub>Z</sub>	Sound Level dB	Weight (lbs) <sup>[7]</sup>	Enclosure <sup>[8]</sup>
<b>240 x 480 Vac Primary, 120/240 Vac Secondary, Aluminum Windings</b>									
15	EE15S3HF	97.70%	480 Vac 6-2.5% 2+4- 240 Vac 3-5% 1+2-	115	220	3.5%	45dB	275	17D
25	EE25S3HF	98.00%		115	220	4.0%	45dB	340	18H
37.5	EE37S3HF	98.20%		115	220	3.7%	45dB	395	18H
50	EE50S3HF	98.30%		115	220	3.7%	45dB	620	21D
75	EE75S3HF	98.50%		115	220	3.5%	50dB	685	22D
100	EE100S3HF	98.60%		115	220	3.5%	50dB	985	24D
15	EE15S3HB	97.70%		80	220	1.7%	45dB	280	17D
25	EE25S3HB	98.00%		80	220	3.9%	45dB	345	18H
37.5	EE37S3HB	98.20%		80	220	3.7%	45dB	400	18H
50	EE50S3HB	98.30%		80	220	3.6%	45dB	625	21D
75	EE75S3HB	98.50%		80	220	3.4%	50dB	690	22D
100	EE100S3HB	98.60%		80	220	3.4%	50dB	995	24D

Other Primary and Secondary combinations are available via the Schneider Electric Product Configurator. Contact your local Schneider Electric representative for more information.

[6] FCBN = Full Capacity Below Normal.  
[7] Not for construction, Contact your local Schneider Electric representative for certified prints.  
[8] For enclosure styles, see Table 14.8 Enclosure Dimensions and Accessories, page 14-6