

**Dry Type 600 Volts and Below**

**Single-Phase, General Purpose**

General purpose standard transformers are intended for power, heating, lighting, and light-duty control applications.

**NOTE:** These products are obsolete and can no longer be ordered. The information in this table is for reference only.

**Table 6.3: Single-Phase, General Purpose Transformer Selection**

kVA	Catalog Number	Full Capacity Taps	°C Temp. Rise	Weight▲ (lbs)	Enclosure ▲ ■
<b>240 X 480 V Primary, 120/240 V Secondary, 60 Hz</b> CULUS Listed through 167 kVA					
15	15S1H	6-2.5%2+4-◆	150	200	17D
25	25S3H	6-2.5%2+4-◆	150	245	17D
37.5	37S3H	6-2.5%2+4-◆	150	325	18D
50	50S3H	6-2.5%2+4-◆	150	350	18D
75	75S3H	6-2.5%2+4-◆	150	450	21D
100	100S3H	6-2.5%2+4-◆	150	640	22D
167	167S3H	6-2.5%2+4-◆	150	975	24D
250	200S3H	6-2.5%2+4-◆	150	1220	25D
333	250S3H	6-2.5%2+4-◆	150	1535	25D
<b>600 V Primary, 120/240 V Secondary, 60 Hz</b> CULUS Listed through 167 kVA					
15	15S5H	6-2.5%2+4-◆	150		17D
25	25S5H	6-2.5%2+4-◆	150	245	17D
37.5	37S5H	6-2.5%2+4-◆	150	325	18D
50	50S5H	6-2.5%2+4-◆	150	350	18D
75	75S5H	6-2.5%2+4-◆	150	450	21D
100	100S5H	6-2.5%2+4-◆	150	640	22D
167	167S5H	6-2.5%2+4-◆	150	975	24D
250	250S5H	6-2.5%2+4-◆	150	1220	25D
333	333S5H	6-2.5%2+4-◆	150	1535	25D
<b>208 V Primary, 120/240 V Secondary, 60 Hz</b> CULUS Listed through 167 kVA					
15	15S60H	2-5%FCBN★	150	205	17D
25	25S60H	2-5%FCBN★	150	240	17D
37.5	37S60H	2-5%FCBN★	150	325	18D
50	50S60H	2-5%FCBN★	150	350	18D
75	75S60H	2-5%FCBN★	150	450	21D
100	100S60H	2-5%FCBN★	150	640	22D
167	167S60H	2-5%FCBN★	150	975	24D
<b>277 V Primary, 120/240 V Secondary, 60 Hz</b> CULUS Listed through 167 kVA					
15	15S61H	2-5%FCBN★	150	205	17D
25	25S61H	2-5%FCBN★	150	240	17D
37.5	37S61H	2-5%FCBN★	150	325	18D
50	50S61H	2-5%FCBN★	150	350	18D
75	75S61H	2-5%FCBN★	150	450	21D
100	100S61H	2-5%FCBN★	150	640	22D
167	167S61H	2-5%FCBN★	150	975	24D

- ▲ Not for construction. Contact your nearest Schneider Electric sales office for certified prints.
- For enclosure styles, see Dimensions Table, page 6.
- ◆ When 240 volt connection is used, there will be 3-5% taps, 1 above and 2 below 240 volts.
- ★ FCBN = full capacity below normal

**NOTE:** Lugs are furnished by customer.

**Single-Phase and Watchdog®**

Class 7400 / Refer to Catalogs 7400CT0601, 7400CT9601

**Watchdog® Low Temperature Rise**

- Designed for low energy losses at loads greater than 50% of nameplate rating.
- Extra long life expectancy using 220 °C insulation system designed for full load operation at a maximum temperature rise of 115 °C or 80 °C instead of 150 °C.
- Continuous emergency overload capability of 15% on 115 °C rise and 30% on 80 °C rise.

**NOTE:** These products are obsolete and can no longer be ordered. The information in this table is for reference only.

**Table 6.4: Watchdog Low Temperature Rise Transformer Selection**

kVA	Catalog Number	Full Capacity Taps	Weight▲ (lbs)	Enclosure ▲ ■
<b>115 °C Rise Single Phase – 240x480 V Primary 120/240 V Secondary 60 Hz</b> CULUS Listed				
15	15S3HF	6-2.5%2+4-◆	230	17D
25	25S3HF	6-2.5%2+4-◆	325	18D
37.5	37S3HF	6-2.5%2+4-◆	350	18D
50	50S3HF	6-2.5%2+4-◆	450	21D
75	75S3HF	6-2.5%2+4-◆	650	22D
100	100S3HF	6-2.5%2+4-◆	1050	24D
<b>80 °C Rise Single Phase – 240x480 V Primary 120/240 V Secondary 60 Hz</b> CULUS Listed				
15	15S3HB	6-2.5%2+4-◆	230	17D
25	25S3HB	6-2.5%2+4-◆	325	18D
37.5	37S3HB	6-2.5%2+4-◆	350	18D
50	50S3HB	6-2.5%2+4-◆	450	21D
75	75S3HB	6-2.5%2+4-◆	675	22D
100	100S3HB	6-2.5%2+4-◆	1100	24D
<b>115 °C Rise Three Phase – 480 V Delta Primary 208Y/120 V Secondary 60 Hz</b> CULUS Listed				
15	15T3HF	6-2.5%2+4-	250	17D
30	30T3HF	6-2.5%2+4-	340	18D
45	45T3HF	6-2.5%2+4-	500	19D
75	75T3HF	6-2.5%2+4-	620	21D
112.5	112T3HF	6-2.5%2+4-	800	22D
150	150T3HF	6-2.5%2+4-	1025	24D
225	225T3HF	6-2.5%2+4-	1450	25D
300	300T3HF	6-2.5%2+4-	2460	30D
500	500T68HF	6-2.5%2+4-	3950	31D
<b>115 °C Rise Three Phase – 480 V Delta Primary 208Y/120 V Secondary 60 Hz</b> CULUS Listed, Copper Windings				
15	15T3HFCU	6-2.5%2+4-	250	17D
30	30T3HFCU	6-2.5%2+4-	340	18D
45	45T3HFCU	6-2.5%2+4-	500	19D
75	75T3HFCU	6-2.5%2+4-	620	21D
112.5	112T3HFCU	6-2.5%2+4-	800	22D
150	150T3HFCU	6-2.5%2+4-	1025	24D
225	225T3HFCU	6-2.5%2+4-	1450	25D
300	300T3HFCU	6-2.5%2+4-	2460	30D
500	500T68HFCU	6-2.5%2+4-	3950	31D
<b>80 °C Rise Three Phase – 480 V Delta Primary 208Y/120 V Secondary 60 Hz</b> CULUS Listed				
15	15T3HB	6-2.5%2+4-	250	17D
30	30T3HB	6-2.5%2+4-	340	18D
45	45T3HB	6-2.5%2+4-	500	19D
75	75T3HB	6-2.5%2+4-	750	21D
112.5	112T3HB	6-2.5%2+4-	850	22D
150	150T3HB	6-2.5%2+4-	1075	24D
225	225T3HB	6-2.5%2+4-	1450	25D
300	300T3HB	6-2.5%2+4-	2460	30D
500	500T68HB	6-2.5%2+4-	3950	31D
<b>80 °C Rise Three Phase – 480 V Delta Primary 208Y/120 V Secondary 60 Hz</b> CULUS Listed, Copper Windings				
15	15T3HBCU	6-2.5%2+4-	250	17D
30	30T3HBCU	6-2.5%2+4-	340	18D
45	45T3HBCU	6-2.5%2+4-	500	19D
75	75T3HBCU	6-2.5%2+4-	750	21D
112.5	112T3HBCU	6-2.5%2+4-	850	22D
150	150T3HBCU	6-2.5%2+4-	1075	24D
225	225T3HBCU	6-2.5%2+4-	1450	25D
300	300T3HBCU	6-2.5%2+4-	2460	30D
500	500T68HBCU	6-2.5%2+4-	3950	31D

TRANSFORMERS  
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