UL Withstand and Closing Ratings*

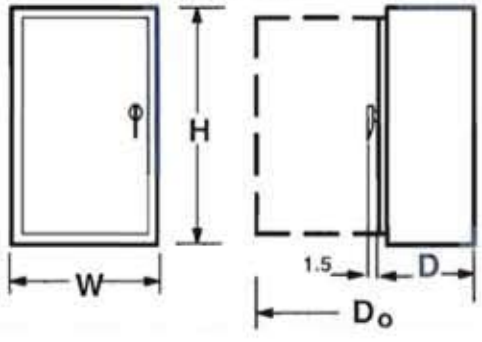
When protected by circuit breakers or fuses of the size and type listed below,, the withstand and closing ratings are as stated in symmetrical RMS amperes.

	FUSE PROTECTION		MCCB PROTECTION		CLB PROTECTION	
Transfer Switch Ampere	WCR @ Volts Max with Current limiting Fuses	Max Fuse, Size and Type	WCR @ Volts Max with Specific Manufacturers MCCBs*	Max MCCB Rating	With Specific Current Limiting Breakers (CLB)**	Max CLB Rating
40–125 A	200,000 A (480 VAC) 200,000 A (600 VAC)	200A Class J, RK1, RK5	14,000 A (480 VAC) 14,000 A (600 VAC)	225 A	200,000 A (480 VAC) 100,000 A (600 VAC)	225 A
150-260 A	200,000 A (480 VAC) 200,000 A (600 VAC)	600 A Class J,RK1,or RK5 1200 A Class L	30,000 A (480 VAC) 30,000 A (600 VAC)	400 A	200,000 A (480 VAC) 100,000 A (600 VAC)	400 A
300-600 A	200,000 A (480 VAC) 200,000 A (600 VAC)	1200 A Class L	65,000 A (480 VAC) 65,000 A (600 VAC)	1200 A	200,000 A (480 VAC) 100,000 A (600 VAC)	1200 A
800–1000 A	200,000 A (480 VAC) 200,000 A (600 VAC)	2000 A Class L	65,000 A (480 VAC)	1400 A	150,000 A (480 VAC) 100,000 A (600 VAC)	1400 A
1200 A	200,000 A (480 VAC) 150,000 A (600 VAC)	3000 Class L	85,000 A (480 VAC) 65,000 A (600 VAC)	1600 A	85,000 A (480 VAC) 65,000 A (600 VAC)	1600 A
1600–2000 A	200,000 A (480 VAC) 150,000 A (600 VAC)	2500 A Class L	100,000 A (480 VAC) 85,000 A (600 VAC)	4000 A	100,000 A (480 VAC) 85,000 A (600 VAC)	4000 A
3000 A	200,000 A (480 VAC) 150,000 A (600 VAC)	4000 A Class L	100,000 A (480 VAC) 85,000 A (600 VAC)	4000 A	100,000 A (480 VAC) 85,000 A (600 VAC)	4000 A

*Please refer to Onan Publication R-1029 for a complete listing of Ratings and Breaker selections.

**Ratings vary with breaker type. Please refer to Onan Publication R-1029 for a complete listing.

Dimensions*



Transfer Switch in U.L. Type 3R, 4, or 12 Enclosure

Amp Rating	Height in. (mm)	Width in (mm)	Depth Door Closed in. (mm)	Depth Door Open in. (mm)	Weight Lb. (kg)	Cabinet Type	Outline Drawing NO.
40, 70, 125	34 (865)	26.5 (675)	12.5 (320)	36.5 (927)	125 (57)	3R,12	310-0453
						4	310-0445
150, 225	42.5 (1080)	30.5 (775)	16.0 (406)	44 (1118)	215 (97)	3R,12	310-0454
						4	310-0446
260	46 (1170)	32 (815)	16.0 (406)	46 (1168)	255 (102)	3R,12	310-0455
						4	310-0447
300, 400, 600	59 (1500)	27.5 (700)	16.5 (420)	41.5 (1054)	275 (125)	3R,12	310-0456
						4	310-0448
800, 1000	73.5 (1865)	32.5 (825)	19.5 (495)	49.5 (1257)	410 (186)	3R,12	310-0457
						4	310-0449
1200	75 (1905)	36 (915)	19.5 (500)	55 (1397)	450 (204)	3R,12	310-0482
						4	310-0482

WITHSTAND CURRENT RATINGS (ALL MODELS)

BASIC MODEL	MAXIMUM VOLTAGE	RATED CURRENT (AMPS)	WITHSTAND CURRENT RATING AMPS (RMS)[1]				
			With Upstream Circuit Breaker Protection			With Upstream Fuse Protection	
			@240V	@480V	@600V	@ up to 600V	FUSE TYPE
TS 88xA - 0100[1]	600	100	65,000	25,000	18,000	100,000	T,J
TS 88xA - 0150[1]	600	150	65,000	25,000	18,000	100,000	T,J
TS 88xA - 0200[1]	240	200	65,000	N/A	N/A	N/A	T,J
TS 88xA - 0250[1]	600	250	65,000	35,000	25,000	100,000	T,J
TS 88xA - 0400[1]	600	400	65,000	50,000	35,000	100,000	T,J
TS 88xA - 0600[1]	600	600	65,000	50,000	35,000	100,000	T,J
TS 88xA - 0800[1]	600	800	65,000	50,000	35,000	100,000	Consult Factory
TS 88xA - 1000[1]	600	1000	65,000	50,000	42,000	100,000	Consult Factory
TS 88xA - 1200[1]	600	1200	65,000	50,000	42,000	100,000	Consult Factory
TS 88xA - 0800[2]	600	800	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 1200[2]	600	1200	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 1600[2]	600	1600	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 2000[2]	600	2000	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 2500[2]	600	2500	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 3000[2]	600	3000	100,000	100,000	85,000	100,000	Consult Factory
TS 88xA - 4000[2]	600	4000	100,000	100,000	85,000	100,000	Consult Factory

[1] Note: For Power Switching Devices equipped with optional overcurrent trip units Standard Interrupting ratings are identical to Withstand ratings shown at 240V and 480V systems.

ENCLOSURE DIMENSIONS/CABLE TERMINATIONS (ATS only)

BASIC MODEL	DIMENSIONS (Inches)[3]				SHIPPING WEIGHT	TERMINAL RATING[4]	
	HEIGHT	WIDTH	DEPTH[5]	DEPTH[6] (Drawout Option)	(lbs)	QTY PER PHASE	RANGE[4]
TS 88xA - 0100[1]	31	22	14	N/A	143	1	#14 - 1/0
TS 88xA - 0150[1]	31	22	14	N/A	143	1	#2 - 4/0
TS 88xA - 0200[1]	31	22	14	N/A	143	1	#6 - 350 MCM
TS 88xA - 0250[1]	35	27	14	N/A	172	1	#6 - 350 MCM
TS 88xA - 0400[1]	64	30	13	N/A	387	2	2/0 - 500 MCM
TS 88xA - 0600[1]	70	34	13	N/A	414	2	2/0 - 500 MCM
TS 88xA - 0800[1]	70	34	13	N/A	414	3	2/0 - 500 MCM
TS 88xA - 1000 / 1200[1]	76	34	13	N/A	550	4	4/0 - 500 MCM
TS 88xA - 0800[2]	91.5	36	42	48	1500	3	#2 - 600 MCM
TS 88xA - 1200[2]	91.5	36	42	48	1500	4	#2 - 600 MCM
TS 88xA - 1600[2]	91.5	36	42	48	1500	5	#2 - 600 MCM
TS 88xA - 2000[2]	91.5	36	42	48	1500	6	#2 - 600 MCM
TS 88xA - 2500[2]	91.5	36	60	60	1800	7	#2 - 600 MCM
TS 88xA - 3000[2]	91.5	36	60	60	1800	8	#2 - 600 MCM
TS 88xA - 4000[2]	91.5	48	72	72	2400	11	#2 - 600 MCM

[1] With molded case power switching devices.
[2] With insulated case power switching devices
[3] Enclosure dimensions are for reference. (DO NOT USE FOR CONSTRUCTION).
[4] All cable connections suitable for copper or aluminum.
[5] Enclosures painted ASA #61grey.
[6] Based on Connection Configuration - A (Standard).

ENCLOSURE DIMENSIONS/CABLE TERMINATIONS (ATS with Bypass Switch)

BASIC MODEL	NEMA 1 DIMENSIONS (Inches) [3]								SHIPPING WEIGHT		TERMINAL RATING [4]	
	HEIGHT		WIDTH		DEPTH [5]		DEPTH [5] (Drawout Option)		(lbs)		QTY PER PHASE	RANGE [4]
	3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole	3 Pole	4 Pole		
TS 88xB - 0100/0150 [1]	51	51	35	35	14	14	N/A		250	315	1	#2 - 4/0
TS 88xB - 0250 [1]	51	51	35	41	14	14	N/A		360	400	1	#6-350MCM CU/AL
TS 88xB - 0400 [1]	72	72	60	60	16	16	N/A		1100	1225	2	2/0-500MCM CU/AL
TS 88xB - 0600 [1]	72	72	60	60	16	16	N/A		1100	1225	2	2/0-500MCM CU/AL
TS 88xB - 0800 [1]	72	72	60	60	16	16	N/A		1190	1325	3	2/0-500MCM CU/AL
TS 88xB - 1000/1200 [1]	92	92	42	42	36	36	N/A		1480	1650	4	4/0-500MCM CU/AL
TS 88xB - 0800 [2]	92	92	72	72	–	–	48	48	3000	3100	3	#2 - 600 MCM
TS 88xB - 1200 [2]	92	92	72	72	–	–	48	48	3000	3100	4	#2 - 600 MCM
TS 88xB - 1600 [2]	92	92	72	72	–	–	48	48	3000	3100	5	#2 - 600 MCM
TS 88xB - 2000 [2]	92	92	72	72	–	–	54	54	3000	3100	6	#2 - 600 MCM
TS 88xB - 2500 [2]	92	92	72	72	–	–	66	66	3600	3750	7	#2 - 600 MCM
TS 88xB - 3000 [2]	92	92	72	72	–	–	66	66	3600	3750	8	#2 - 600 MCM
TS 88xB - 4000 [2]	92	92	84	84	–	–	72	72	4800	5000	11	#2 - 600 MCM

Optional NEMA 2, 3R & 4X class enclosures available

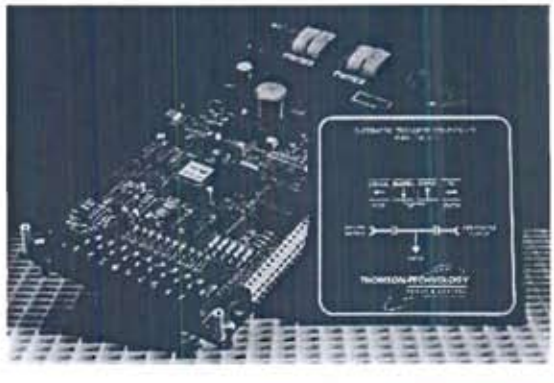
[1] With molded case power switching devices.
[2] With insulated case power switching devices
[3] Enclosure dimensions are for reference. (DO NOT USE FOR CONSTRUCTION).
[4] All cable connections suitable for copper or aluminum.
[5] Enclosures painted ASA #61grey.
[6] Enclosure depth shown has cable entry/exit location restrictions. Contact Factory for further detailed information.

STANDARD FEATURES

Programmable/Multi-Tap System Voltage Selection**
Load on Utility & Load on Generator Lights c/w Lamp Test
3 Phase Voltage Sensing on Utility & Generator Sources
Under/Over Frequency Sensor on Generator Source (with Adjustable Time Delay)
Under/Over Frequency Sensor on Utility Source (with Adjustable Time Delay)
Over Voltage 3 Phase Sensor on both Utility and Generator Sources
TSC 800 Remote Communication Port (RS422). Can be used in Conjunction with External Communication
Interface Module* (CIM Module Not Included).
Digital 3 Phase Metering of Voltage & Frequency on Utility & Generator Sources
Phase Balance (Utility & Generator Source)
Engine Start Delay Timer
Engine Cooldown Delay Timer
Engine Warm-Up Timer
Neutral Position Delay
Utility Return Timer
Exercise Timer 7, 14, 21 or 28 Day
Data Logging
Programmable Function Output Contact***
Diagnostic LED's
Backlit TSC 800 LCD Display

NEMA 1 Enclosure
Solid Neutral
ATS Four Position Mode Selection (Security Protected)
- Automatic
- Off
- No Load Test
- Full Load Test

Auxiliary Contact - Utility Side (Qty 3)
Auxiliary Contact - Generator Side (Qty 3)
Provision for Remote Load Test/Peak Shave Switch Input



** Refer to Separate Literature*
*** Excludes TS 880-200 and all 2 pole models*
**** Not available with Dual Source (DS) option*