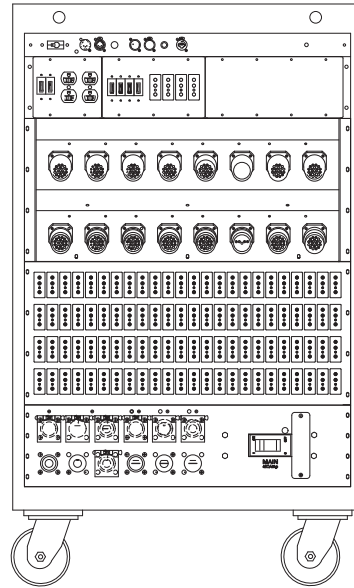
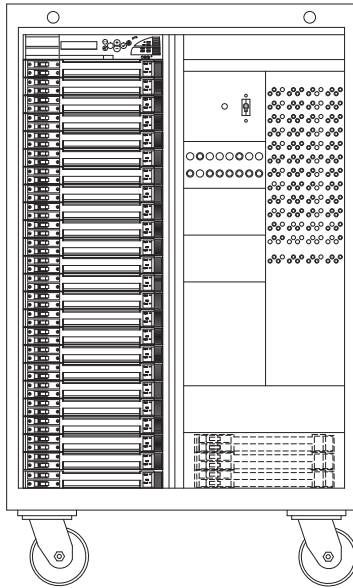




115/120V

Sensor+ Touring Series



GENERAL INFORMATION

APPLICATIONS

- Digital dimming for traveling companies
- Theatrical touring companies
- On-location film production
- Popular music tours
- Dance and performance art tours
- Remote event/convention productions
- Flexible performance spaces

FEATURES

- Small Touring rack accommodates up to 24 modules (48 without a patch bay)
- Up to two 2.4kW dimmers per module (120V)
- Rugged industrial construction
- Shipping-quality flight casing with no external latches
- Cam-Lok® power input connectors
- Flexible load connection options
 - Twist-lock® (GTL)
 - Stage pin
 - Multi-pin (with or without patch bay)
 - Edison
- Convenience outlets with breakers
- Advanced configuration editing built into rack
- Stores up to 128 presets in memory
- Direct Ethernet control signal input
- Dual DMX512-A In and Thru connections with visual indicator termination switches
- Standard system and rack monitoring with diagnostic reporting
- Supports ETC Dimmer Doubling™
- All racks UL and cUL Listed

ACCESSORIES

- Advanced Features (AF) dimmer-specific load reporting
- Custom output panels
- SSSs Sound Suppression Skirt
- Sensor+ Connect browser

ORDERING INFORMATION

Standard Sensor+ Touring Racks*

MODEL	DESCRIPTION
SP4815+	Sensor+ Touring rack with 24 – 15A modules
SP4820+	Sensor+ Touring rack with 24 – 20A modules
SPAF4815+	Sensor+ Touring rack with 24 – 15A modules
SPAF4820+	Sensor+ Touring rack with 24 – 20A modules
SPAF2450+	Sensor+ Touring rack with 24 – 50A modules
SPAF12100+	Sensor+ Touring rack with 12 – 100A modules

*Custom module configurations available for all Sensor+ Touring racks. Contact ETC for details.

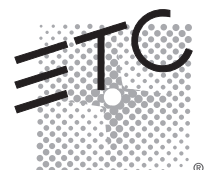
Double Small Sensor+ Touring Racks*

MODEL	DESCRIPTION
SP9620+	Sensor+ Touring rack with 48 – 20A modules
SPAF9620+	Sensor+ Touring rack with 48 – 20A modules
SPAF4850+	Sensor+ Touring rack with 48 – 50A modules
SPAF24100+	Sensor+ Touring rack with 24 – 100A modules

*Double Small Touring Rack has two columns of modules and no patch bay.

Racks Accessories

MODEL	DESCRIPTION
SSSs 24	Sensor+ Sound Suppression Skirt – small



SPECIFICATIONS

GENERAL

- 24-module small touring rack can hold up to:
 - 48 x 15A or 20A dimmers
 - 24 x 50A dimmers
 - 12 x 100A dimmers
- Ambient temperature: 0-40°C / 32-104°F
- Relative humidity: 10-90% non-condensing
- UL, cUL Listed

MECHANICAL

- All steel construction – welded rack frame
- No tools required for module removal or installation
- Heavy-duty 5 inch 360° swivel casters
- High efficiency, low noise, fan cooling system
- Filtered air intake
- Centrally located LED status beacon
- Single Ethernet control signal input
- Two DMX512-A input and pass thru connectors with termination switches
- Recessed work lights for output panel and patch bay illumination

ELECTRICAL

- Standard Cam-Lok® power input connectors (customers may specify other connectors)
- Cam-Lok pass thru connectors available
- Standard multi-pin output connector configurations available – 6-circuit Socapex-compatible standard (customers may specify other multi-pin connectors)
- One or two grounded stage pin connector outputs per dimmer, other discreet connectors available
- Built-in patch panel for assignment of multi-pin circuits (two or four outputs per dimmer)
- 20A hot pockets with the same discreet connector as used on the rack, paralleled in the patch bay, with fully magnetic circuit breakers
- Convenience outlets provided with fully magnetic circuit breakers

ELECTRONICS

- Control Electronics Module+ (CEM+)
 - 7-button control pad
 - 2-line by 20-character backlit LCD
- Standard diagnostic reporting
- Update rate is 40Hz; response to control is less than 25 milliseconds

OPTIONS

- Advanced Features (AF) dimmer load monitoring
- Custom configurations
- Custom output panels (call ETC for details)
- Enhanced patch – 4 outputs per dimmer
- Motor and moving light option panels
- Available for 240V operation or switchable 120/240V operation

MODULE ORDERING INFORMATION

Control Modules

MODEL	DESCRIPTION
CEM+	Control Electronics Module +

Dimmer Modules

MODEL	DESCRIPTION
SENSOR STANDARD MODULES	
D15	Dual 15A Dimmer Module – 350µs
D15E	Dual 15A Dimmer Module – 500µs
D20	Dual 20A Dimmer Module – 350µs
D20E	Dual 20A Dimmer Module – 500µs
SENSOR ADVANCED FEATURES MODULES	
D15AF	Dual 15A Dimmer Module – 500µs – Advanced Features
D20AF	Dual 20A Dimmer Module – 500µs – Advanced Features
D20DHR	Dual 20A Dimmer Module – 800µs – Advanced Features
D20HR	Single 20A Dimmer Module – 1000µs – Advanced Features
D50AF	Single 50A Dimmer Module – 500µs – Advanced Features
D50HR	Double high* 50A Dimmer Module – 800µs – Advanced Features
D100AF	Double high* 100A Dimmer Module – 800µs – Advanced Features
SENSOR SPECIAL PURPOSE MODULES	
L10	Dual 10A Low Wattage Dimmer Module
L10F	Single 10A Low Wattage Fluorescent Dimmer Module
D15F	Single 15A Fluorescent Dimmer Module
D20F	Single 20A Fluorescent Dimmer Module
R15	Dual 15A Relay Module
R20	Dual 20A Relay Module
R15AF	Dual 15A Relay Module – Advanced Features
R20AF	Dual 20A Relay Module – Advanced Features
CC15	Dual 15A Constant Circuit Breaker Module
CC20	Dual 20A Constant Circuit Breaker Module
AFM	Air Flow Module

*Double-high modules use two module slots.

Sensor+ Touring Series

RISER REAR PANEL OPTIONS

OPTION PANELS

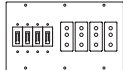
(9 spaces per row, 1 row standard)

(E.T.C. #7053A1601)



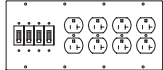
CONVENIENCE
PANEL
2 SPACE

(E.T.C. #7053A1602)



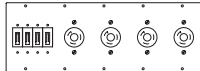
STAGE PIN
HOT POCKET
3 SPACE

(E.T.C. #7053A1603)



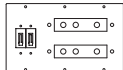
EDISON
HOT POCKET
4 SPACE

(E.T.C. #7053A1604)

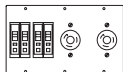


TWIST-LOCK®
HOT POCKET
5 SPACE

(E.T.C. #7053A1605)



50A STAGE PIN
HOT POCKET
3 SPACE



MOVING LIGHT
HOT POCKET
3 SPACE

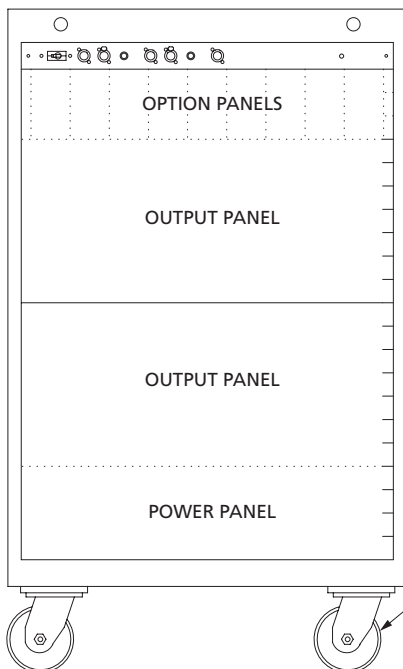
- 20A PART #7053A1608
- 30A PART #7053A1609



MOTOR PANEL
HOT POCKET
2 SPACE

- 20A PART #7053A1606
- 30A PART #7053A1607

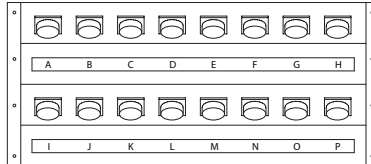
REAR VIEW
(Door removed)



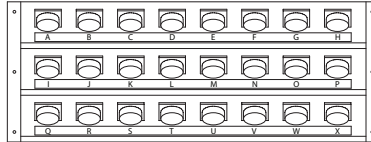
MULTI-PIN OUTPUT PANELS

Socapex Compatible

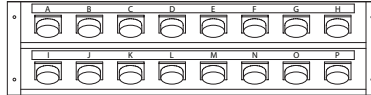
(E.T.C. #7053A1201) (LABELED A-P)
(E.T.C. #7053A1214) (LABELED Q-FF)



(E.T.C. #7053A1204)

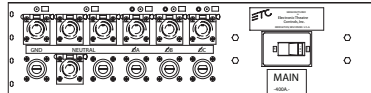


(E.T.C. #7053A1206)

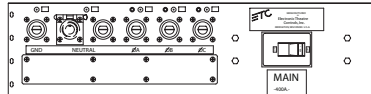


POWER PANELS

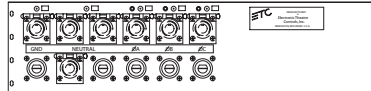
(E.T.C. #7053A1415)



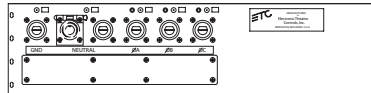
(E.T.C. #7053A1416)



(E.T.C. #7053A1417)



(E.T.C. #7053A1418)

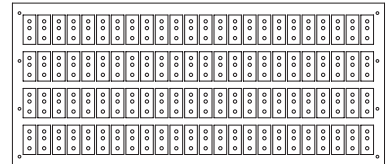


CAM-LOK® CONFIGURATION

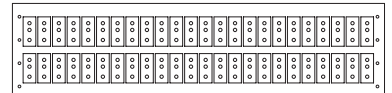
- REVERSE GND. & NEU. IN
- ALL MALE IN
- INPUT/OUTPUT CAM-LOKs

DISCREET OUTPUT CONNECTOR PANELS

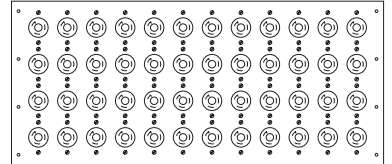
20A STAGE PIN
(E.T.C. #7053A1302)



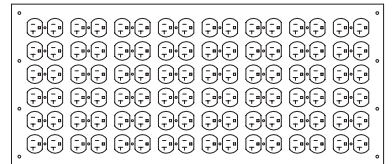
20A STAGE PIN
(E.T.C. #7053A1309)



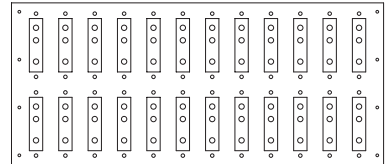
20A TWIST-LOCK
(E.T.C. #7053A1305)



20A EDISON (PARALLEL BLADE AND GROUND)
(E.T.C. #7053A1306)



50A STAGE PIN
(E.T.C. #7053A1304)



HEAVY-DUTY
FULL-ROTATION
CASTERS

PHYSICAL

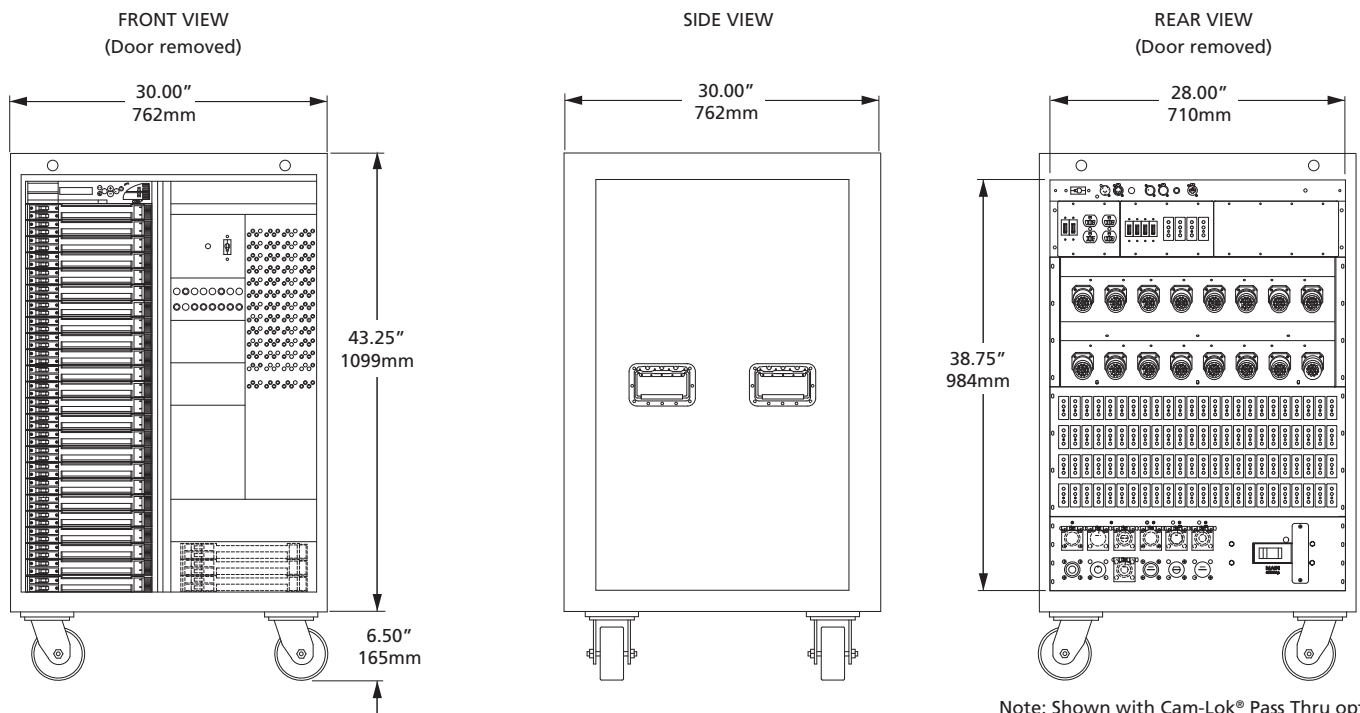
Touring Rack Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
Small Rack	50	1270	30	762	30	762

Touring Rack Weights

MODEL	WEIGHT*	
	lbs	kgs
Small Rack	650*	295

*Actual weight depends on type of modules used and options selected.



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 Sensor® products protected by U.S. Patent Numbers 5,323,088, 5,352,958 and 6,002,563; European Number 0603333T2; German Number 69203609; US and International Patents.