



Efficient Antenna Systems, Inc.

4.5 Meter Survivor Series

Antenna Package Comparison Check Sheet

	EASi	Other	Other
EASi. 4.5 meter AZ/EL Motorized/Fixed antenna package reflector			
12 stamped 16 gauge galvanized steel painted interchangeable panels	_____	_____	_____
12 galvanized steel panel interchangeable braces	_____	_____	_____
12 galvanized steel panel interchangeable radials	_____	_____	_____
Stainless steel reflector hardware	_____	_____	_____
4 interchangeable heavy duty aluminum feed arms	_____	_____	_____
Damaged panels, radials braces and feed arms can be replaced individually			
 EASi. 4.5 meter galvanized kingpost			
14" diameter galvanized .375W A53 center tube with galvanized steel yoke frame	_____	_____	_____
Horizontal leg 1/2" wall 4"x 6" square tubing galvanized	_____	_____	_____
Vertical leg 3/8" wall 4"x 4" square tubing galvanized	_____	_____	_____
Laser cut for product consistency			
Optional galvanized rear kicker adapters with adjustable azimuth location positioning	_____	_____	_____
Available for special high wind applications	_____	_____	_____
Available for load dispersion applications such as I beam frame configuration	_____	_____	_____
Can be added to package at a later date	_____	_____	_____
 EASi. fixed/manual AZ/EL turnbuckle kit for fixed system			
1 1/2" grade B7 threaded rods on both axis	_____	_____	_____
Elevation adjustment tube is 2 1/2" square with 1/4" wall thickness	_____	_____	_____
All EASi. antenna attachment/rotation points use SAE 660 bronze flanged bushings	_____	_____	_____
 EASi. 90 VDC ODU Control System (30 amp, 120 VAC circuit w/disconnect req.			
90 VDC Motor drive outputs	_____	_____	_____
Dual speed motor control	_____	_____	_____
Integrated heater for temperature/dehydration purposes	_____	_____	_____
Environmentally sealed NEMA enclosure	_____	_____	_____

	EASi	Other	Other
Joyce Dayton 10 ton Azimuth ComDRIVE Package	_____	_____	_____
10 ton machine screw ComDRIVE Dynamic 5500 lbs. Static 20,000 lbs.	_____	_____	_____
*Note: Typical standard 36 VDC actuators rated at 1500 dynamic/3000 static			
Special anti-backlash feature	_____	_____	_____
Built in digital tachometer for excellent accuracy	_____	_____	_____
*Note: 3 times the resolution per inch compared to standard 36 VDC actuators			
1 ½ HP Baldor 90 VDC outdoor rated motor	_____	_____	_____
Integrated electrical limit switches	_____	_____	_____
Integrated brush heaters	_____	_____	_____
Integrated hard stop collars	_____	_____	_____
Accordion weather boot	_____	_____	_____
System allows for periodic lubrication	_____	_____	_____
Joyce Dayton 10 ton Elevation ComDRIVE Package	_____	_____	_____
10 ton machine screw ComDRIVE Dynamic 5500 lbs. /Static 20,000 lbs.	_____	_____	_____
*Note: Typical standard 36 VDC actuators rated at 1500 dynamic/3000 static			
Special anti-backlash feature	_____	_____	_____
Built in digital tachometer for excellent accuracy	_____	_____	_____
*Note: 3 times the resolution per inch compared to standard 36 VDC actuators			
1 ½ HP Baldor 90 VDC outdoor rated motor	_____	_____	_____
Integrated electrical limit switches	_____	_____	_____
Integrated brush heaters	_____	_____	_____
Integrated hard stop collars	_____	_____	_____
Accordion weather boot	_____	_____	_____
System allows for periodic lubrication via grease zerks	_____	_____	_____

EASi lightning kits Class 1 and Class 2	_____	_____	_____
Thompson Lightning Products parts including:	_____	_____	_____
12" x 24" solid aluminum point blunt tip w/adapter	_____	_____	_____
Aluminum vertical connector point base	_____	_____	_____
Aluminum standard cable	_____	_____	_____
All products are UL96 rated	_____	_____	_____
Class 1 and 2 requirements sized accordingly	_____	_____	_____
L Comm Lightning Protectors	_____	_____	_____
DC-3 GHz	_____	_____	_____
Bi-directional protection	_____	_____	_____
Protector will pass DC	_____	_____	_____
Easily replaceable gas tube element	_____	_____	_____
Multi-Strike Capability	_____	_____	_____

RCI 2000 Programmable Antenna Controller with feed drive option	_____	_____	_____
Automatic positioning after programming	_____	_____	_____
High resolution sensor processing	_____	_____	_____
Dual speed	_____	_____	_____
Non-volatile memory	_____	_____	_____
Built in current limiting	_____	_____	_____
Adapti-drive	_____	_____	_____
Software limits on all axis	_____	_____	_____
Back up by electrical limit switches and antenna stop collars	_____	_____	_____
RS-422 PC control interface option	_____	_____	_____
RCI 2000 Embedded controller option	_____	_____	_____
Controller option for installation of controller at antenna	_____	_____	_____
Programmable Antenna Controller with feed drive option	_____	_____	_____
Automatic positioning after programming	_____	_____	_____
High resolution sensor processing	_____	_____	_____
Dual speed	_____	_____	_____
Non-volatile memory	_____	_____	_____
Built in current limiting	_____	_____	_____
Adapti-drive	_____	_____	_____
Software limits on all axis	_____	_____	_____
RS-422 PC control interface option	_____	_____	_____
Outdoor NEMA enclosure	_____	_____	_____
RCI Web Server for RCI Controllers	_____	_____	_____
Automatic and manual movement operation	_____	_____	_____
Displays system faults and allows fault resets	_____	_____	_____
Compatible with most web browsers	_____	_____	_____
Configurable IP address for easy network configuration	_____	_____	_____
Seavey 4 port motorized C/Ku feed assembly	_____	_____	_____
Waveguide bends	_____	_____	_____
Factory tuned for C and Ku band performance	_____	_____	_____
24 VDC drive motor	_____	_____	_____
5K positioning pot	_____	_____	_____
Waveguide bends to allow installation under protective cover	_____	_____	_____
Other feeds and multi-feed systems available for this antenna	_____	_____	_____
EASi. Feed cover for Seavey feeds	_____	_____	_____
White weather/impact resistant cover	_____	_____	_____
Custom Seavey feed attachment brackets	_____	_____	_____
Custom anti-intrusion inserts to resist pests	_____	_____	_____
Quintech LS4 2150/4x16A Quad 4-Way Active Splitter	_____	_____	_____
950-2150 MHz	_____	_____	_____
4x16 signal splitting with zero loss	_____	_____	_____
Redundant power supplies	_____	_____	_____
18-24 VDC	_____	_____	_____
1 RU	_____	_____	_____

Norsat 3420 PLL C band LNBS

+/-2 kHz stability

20K temperature

62 dB gain(Typical)

+12 to +24V

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Norsat HS1027A PLL Ku Band LNBS

+/-2 kHz stability

0.7 dB noise figure

60 dB gain(Typical)

+15-+24V

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Microwave Filter Company 13961 WE TI filters

Improved insertion loss performance over traditional filters

Improved passband edge roll-off over traditional filters

Aluminum body to reduce weight/stress on feed system

****5G filters available****

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EASi. CUSTOM control cable (Availability subject to inventory levels)

(UL) PLTC DIR BUR or (UL) ITC or (UL) CM C(UL) US 105°C SUN RES

DIR BUR "ROHS II" FT-4 Suitable for wet locations

_____	_____	_____
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Standards

11.1. UL listed as type PLTC per UL standard 13

11.2. Cable is UL approved for Sunlight Resistant and Direct Burial

11.3. Cable is suitable for Wet Locations

11.4. All materials used in the this cable are RoHS II and REACH compliant

11.5. Maximum Operating Voltage: 300V RMS

11.6. Made in the USA

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Commscope 5940R Quad RG 11 cable

75 ohm

14 AWG solid center conductor

14 SOL CCS FPE Foil+60% AL BRD+Foil+40% AL Braid FRPVC

Foam PE

5.08 (dB/100ft) attenuation at 1450 MHz

Safety Standard cETL ETL

CMR Non-Plenum

RoHS 2011/65/EU

ISO 9001 :2015

100% sweep tested

15 dB structural return loss @ 1000-3000 MHz

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EASi. Wiring kits

Combination of RG 6 Quad feed motor control cable

_____	_____	_____
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Feed control cable

(UL) PLTC DIR BUR or (UL) ITC or (UL) CM C(UL)

US 105°C SUN RES DIR BUR "ROHS II" FT-4 Suitable for wet locations

_____	_____	_____
_____	_____	_____

Commscope 5781 RG 6 Quad

75 ohm	_____	_____	_____
Bare copper center conductor	_____	_____	_____
18 SOL BC FPE Foil+60% AL BRD+Foil+40% AL BRD FRPVC	_____	_____	_____
CMG	_____	_____	_____
cETL ETL	_____	_____	_____
7.49 (dB/100ft) attenuation at 1450 MHz	_____	_____	_____
RoHS 2011/65/EU	_____	_____	_____
ISO 9001 :2015	_____	_____	_____
15 dB structural return loss @ 1000-3000 MHz	_____	_____	_____

Installations of EASi systems including controller programming

Assembly of the following to specification:	_____	_____	_____
Kingpost	_____	_____	_____
Actuators or turnbuckle systems	_____	_____	_____
Low voltage wiring of all required outdoor systems EASi supplied	_____	_____	_____
Feed assembly with filters and LNBS.	_____	_____	_____
Complete reflector assembly with integration to kingpost	_____	_____	_____
Low voltage wiring of all required indoor systems EASi supplied	_____	_____	_____
Termination of all RF	_____	_____	_____
Setup of all hard and soft limits	_____	_____	_____
Antenna aiming and/or programming of antenna controller	_____	_____	_____

EASi. 4.5 De-Ice Options:

Clearsat Vinyl snow shield
Walton Kynar snow shield/opt. rain/ice quake/electric or gas heat
Walton Tedlar snow shield/opt. rain/ice quake/electric or gas heat
Walton Sefar snow shield/opt. rain/ice quake/electric or gas heat

RTI active rear mounted systems in multiple configurations
Walton rear mounted systems in multiple configurations
 Gas and or electrical systems may require Walton tech to certify.

EASi. communication options for antenna control

RCI Web Server
 Compusat type automation and control

Electrical Considerations for system installation:

All electrical services/connections to be completed by local licensed electrician
 Electrician to be provided by buyer unless other arrangements made
 90 VDC systems require 30 amp single phase 115 VAC circuit w/disconnect

De-ice systems require applicable electrical service based on system***
 Typical full coverage requires 208 3 phase 40 amp service
 Disconnect may be required
 GFI circuit may be required

All electrical services to be available at antenna location before or at time of install

*****Electrical and/or gas service based on de-ice system chosen.**