



KEY FEATURES

- Passive two-way point source
- 12" neodymium woofer
- 1" HF compression driver with 1.75" aluminum VC
- Audiophile-grade passive crossover
- Custom-designed, wide-coverage HF horn
- Lightweight and durable PP enclosure
- Symmetrical 42° wedge angle for stage monitoring
- M10 rigging points
- Pole mount socket

APPLICATIONS

- Corporate and A/V
- TV and broadcast
- Stage monitoring
- Live music venues
- Bars and restaurants
- House of Worship

TECHNICAL SPECIFICATIONS

SYSTEM

System's Acoustic Principle	Two-way Vented Enclosure
Frequency Response (-6dB)	62 Hz – 20 kHz
Horizontal/ Vertical Coverage Angle	90° / 60° (-6dB)
Nominal Impedance	8 Ω
Minimum Impedance	6.51 Ω @ 146Hz
Sensitivity (2.83V @ 1m, 2 Pi)	98 dB SPL
Maximum Peak SPL @ 1m	128 dB

TRANSDUCERS

LF	12" (305mm) neodymium magnet low frequency woofer - 2.5" (64mm) VC
HF	1" (25mm) exit compression driver - 1.75" (44mm) aluminum VC

POWER HANDLING

Power Handling (AES)	400 W
Power Handling (prgm)	800 W
LF Power Compression	@ -10 dB Power (80 W) = 0.5 dB @ -3 dB Power (400 W) = 1.9 dB @ 0 dB Power (800 W) = 2.9 dB

ENCLOSURE & CONSTRUCTION

Dimensions (W x H x D)	390 mm (15.3") x 623 mm (24.5") x 350 mm (13.7")
Taper	42°
Enclosure Material	High-density Polypropylene with Metal Grid
Flying System	M10 flying points or dedicated metal bracket
Net Weight	16kg (37.4 lbs)



DESCRIPTION

The FL120P is a two-way passive point source loudspeaker that provides full frequency response and controlled dispersion from an easily manageable enclosure. It is designed for many kinds of foreground sound reinforcement applications requiring high quality sound, repeatable performance, and convenience of operation in an easily portable format.

The 12" low frequency neodymium driver is matched to a 1" high frequency compression driver with 1.75" aluminum voice coil, for low weight and good transient response. The custom-designed HF horn that provide wide and accurate coverage of a typical auditorium

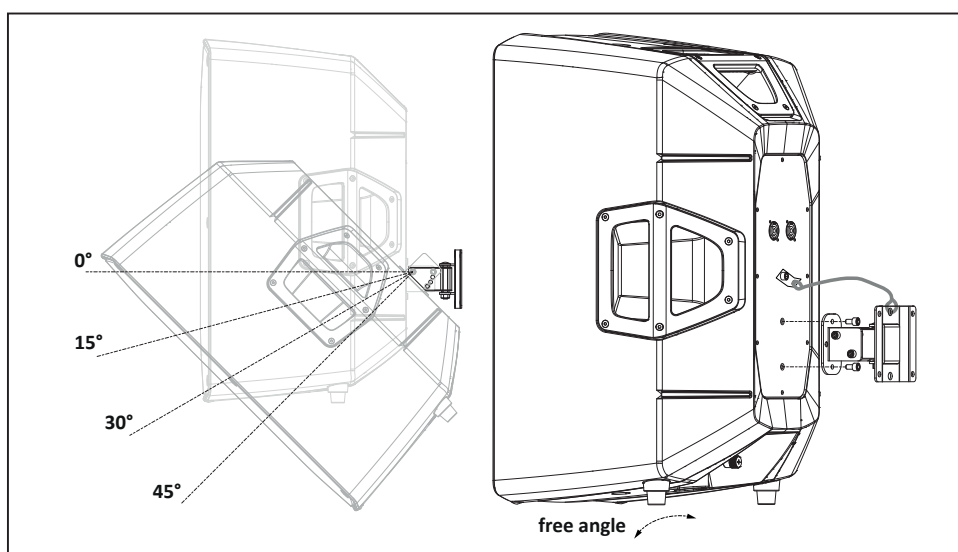
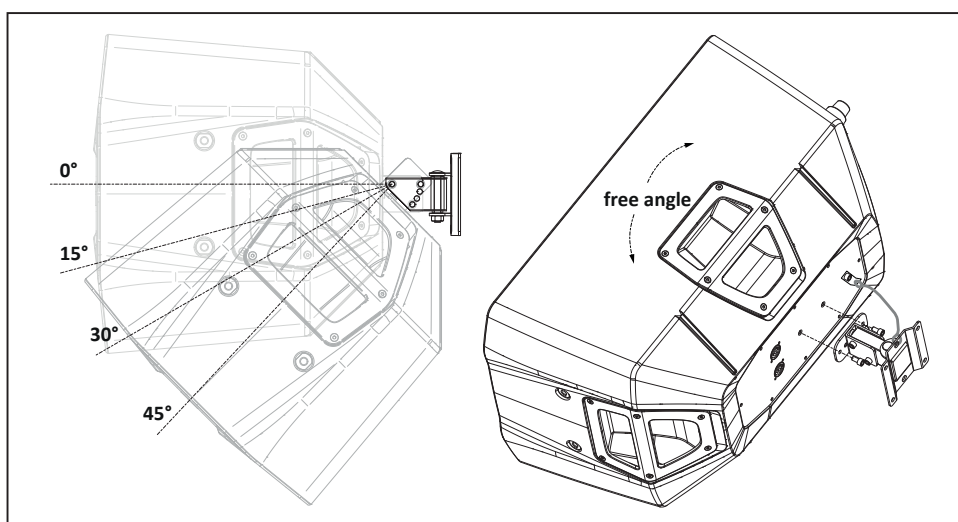
The FL120P's symmetrical vented enclosure allows it to adapt to multiple portable and fixed applications, such as front-of-house duties on a speaker stand, or pole mounted on an associated subwoofer or, by using the 42° wedge angle, as a powerful stage monitor.

The compact and lightweight high-density PP cabinet is provided with a 35mm pole mount, three recessed aluminum handles for easy lifting and handing, and M10 rigging points to allow suspension in fixed installations using optional mounting brackets.

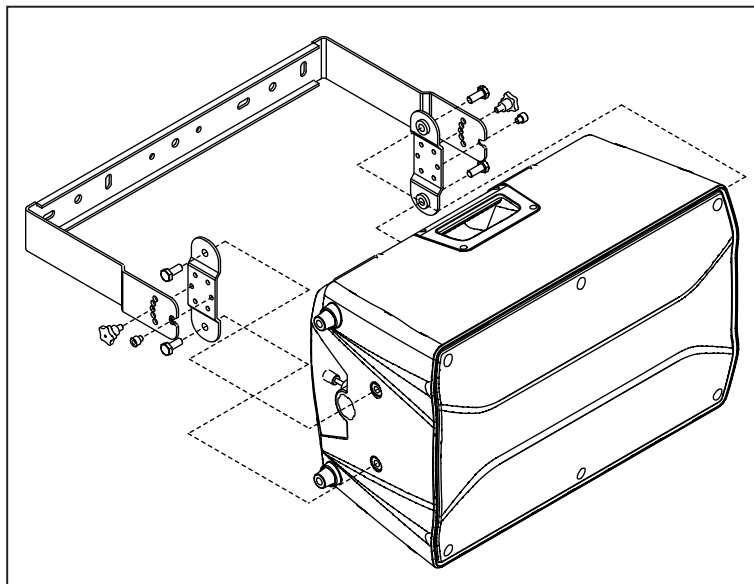
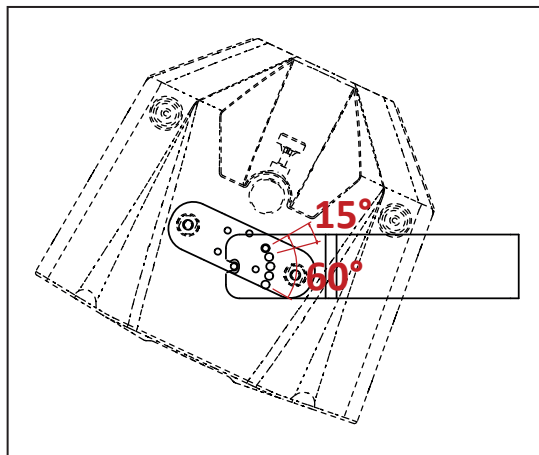
MOUNTING AND FIXING

The FL120P can be wall mounted in permanent installations either vertically or horizontally using the KPTLTP or KPTFL120 wall brackets

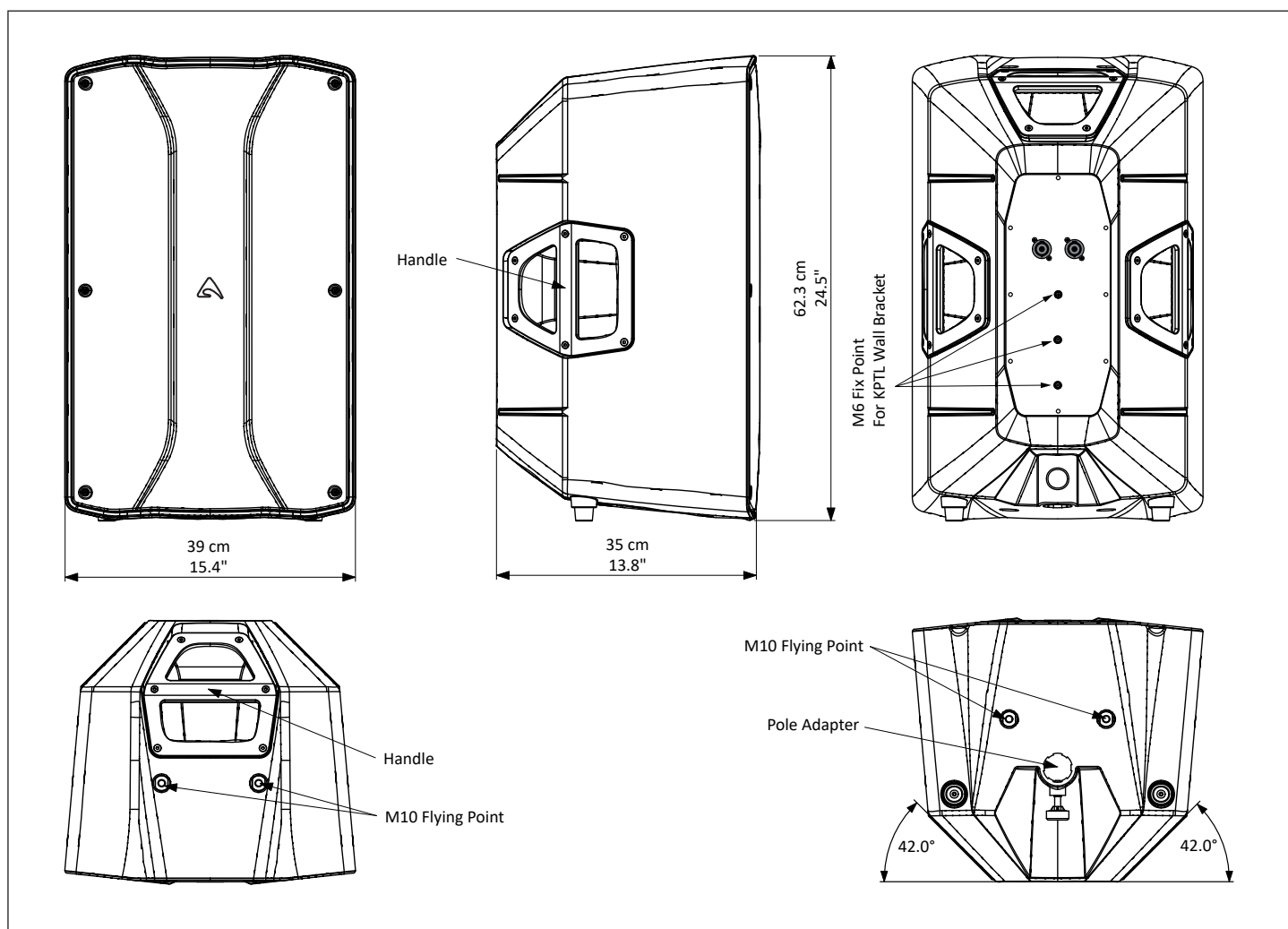
The KPTLTP wall bracket allows to install the speaker on walls and ceiling with variable tilt and swivel orientation, offering the possibility to obtain a more uniform coverage of the audience. It provides free horizontal aiming and 4 steps at 15° for vertical aiming.



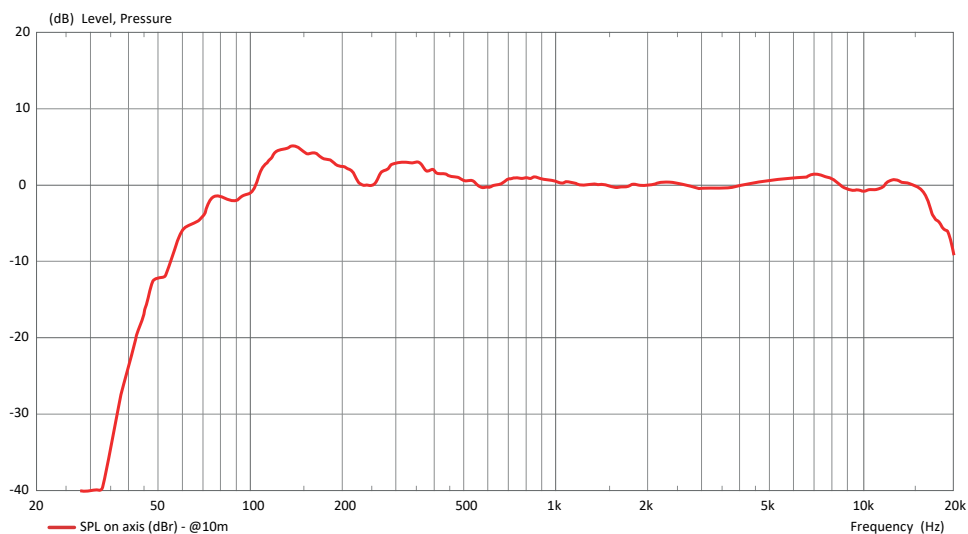
The KPTFL120 c-bracket offers five steps of incremental rotational adjustment for a total of 60°, to enable the loudspeaker to be accurately aimed.



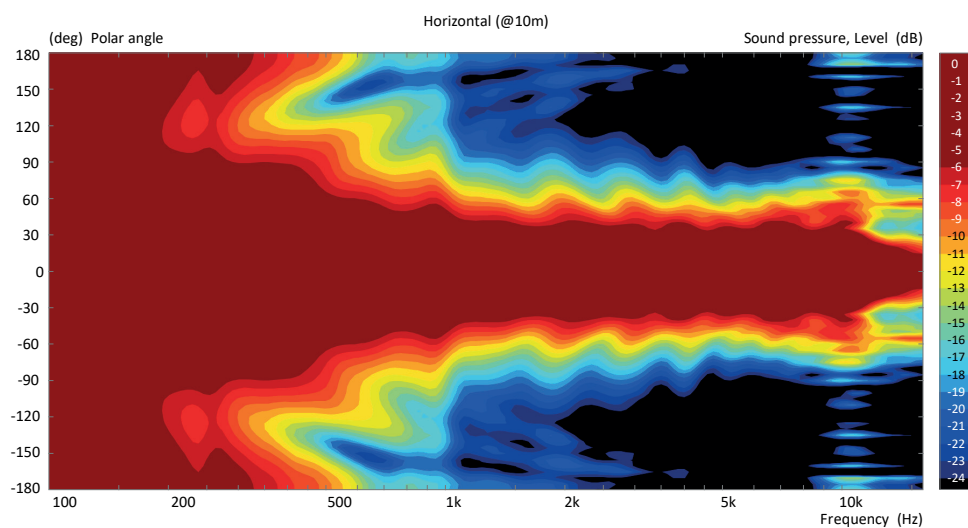
ENGINEERING DRAWING



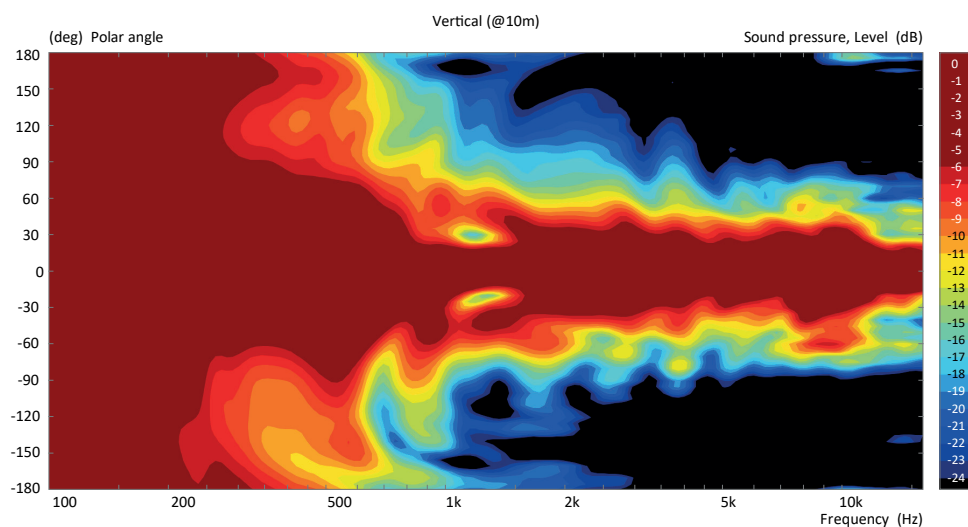
FL120P frequency response



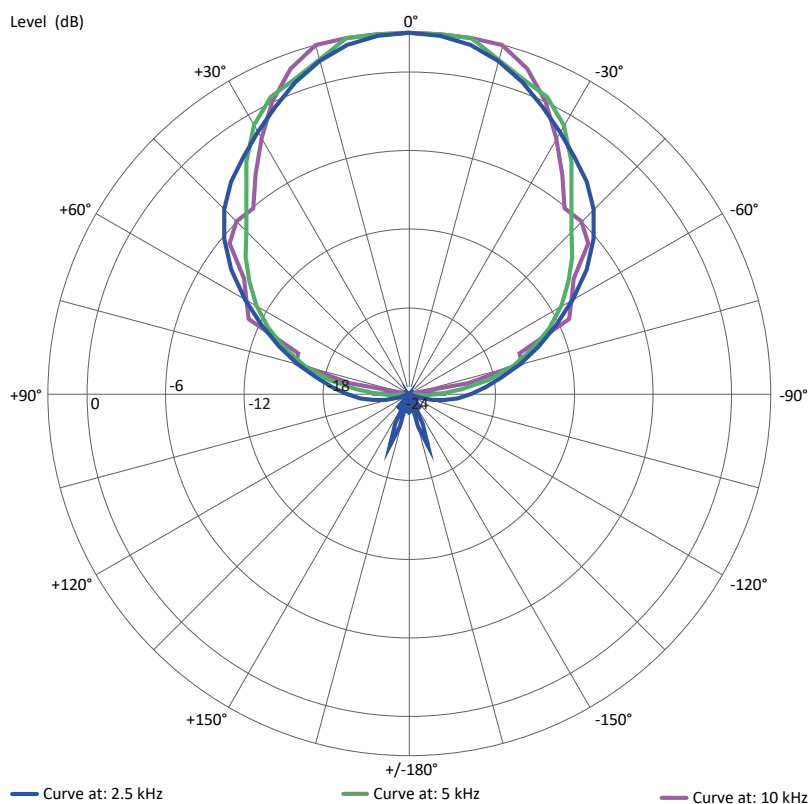
FL120P HORIZONTAL directivity map



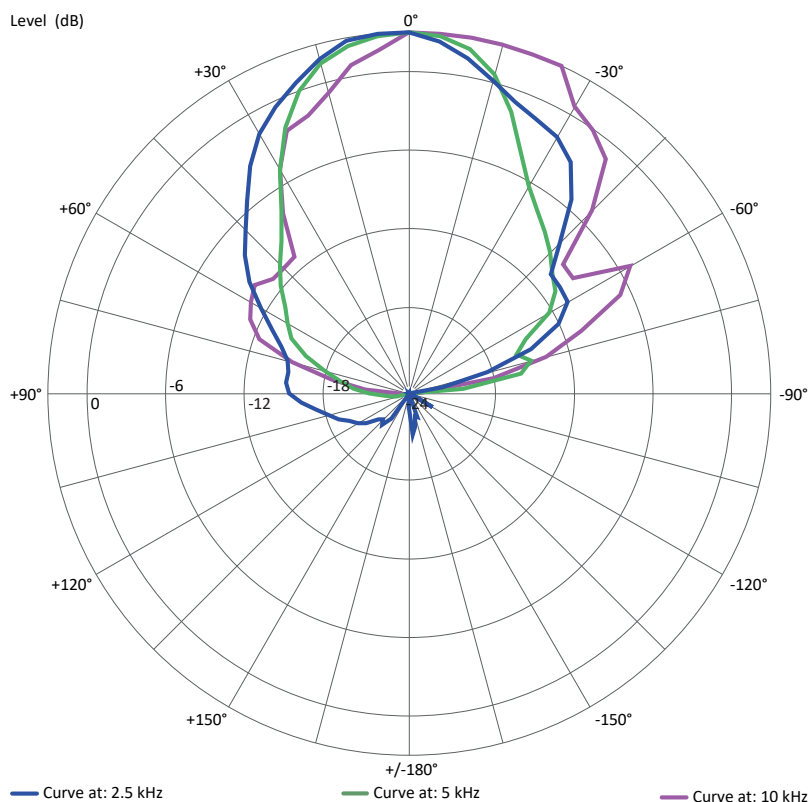
FL120P VERTICAL directivity map



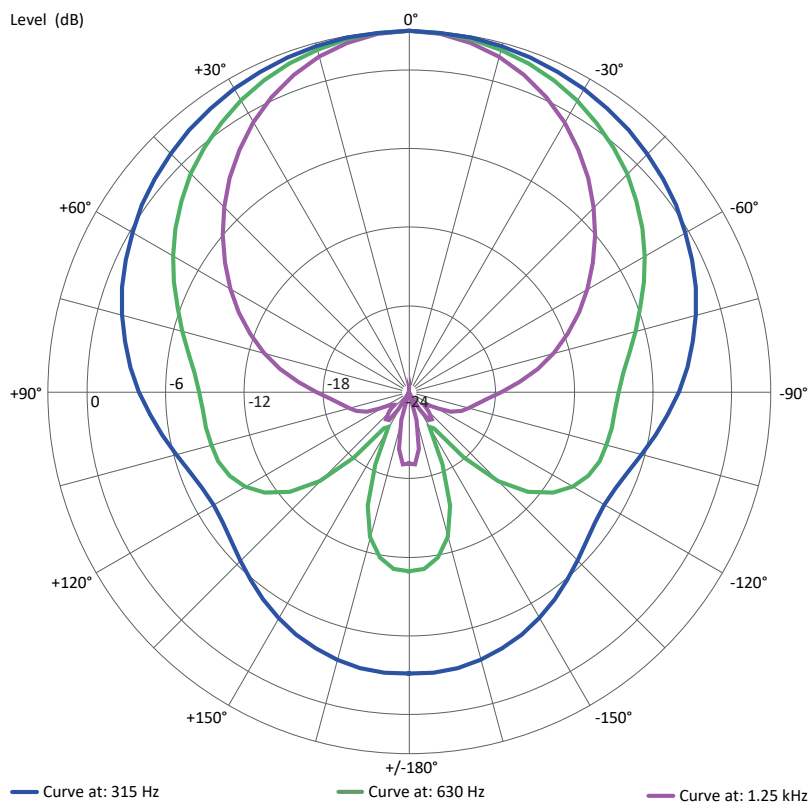
FL120P HF HORIZONTAL polar diagram



FL120P HF VERTICAL polar diagram



FL120P LF HORIZONTAL polar diagram



FL120P LF VERTICAL polar diagram

