

# EXPERT P30F

## 12" (300mm) Subwoofer

- Rubber surround catenary profil  
**Long life, reliability, high excursion**

- Flax<sup>®</sup> cone  
**High rigidity, deep and controlled bass**

- "Dual Magnet" 5<sup>11/16"</sup> (145mm)  
**High power, linearity**



- Fiberglass voice-coil material  
**Overheating reduction**

## WHAT MAKES THE DIFFERENCE

- "Dual Magnet" for More power
- FLAX<sup>®</sup> technology for an exclusive cone
- High rigidity for deep and controlled bass
- High power handling
- High excursion

## TECHNICAL CHARACTERISTICS

**Woofers:** 12" (300mm)

**Voice-coil:** 2" (50mm)

**Voice-coil height:** 1<sup>3/8"</sup> (35mm)

**Magnet:** 5<sup>11/16"</sup> (145mm)

**Max. power:** 800 Watts

**Nominal power:** 400 Watts RMS

**Sensitivity (2.83V/1m):** 86.7dB

**Impedance:** 4 Ohms

**Frequency response:** 27Hz - 500Hz



**Performance**  
CREATE YOUR SOUND



**FOCAL**<sup>®</sup>  
THE SPIRIT OF SOUND

# EXPERT P30F 12" (300mm) SUBWOOFER



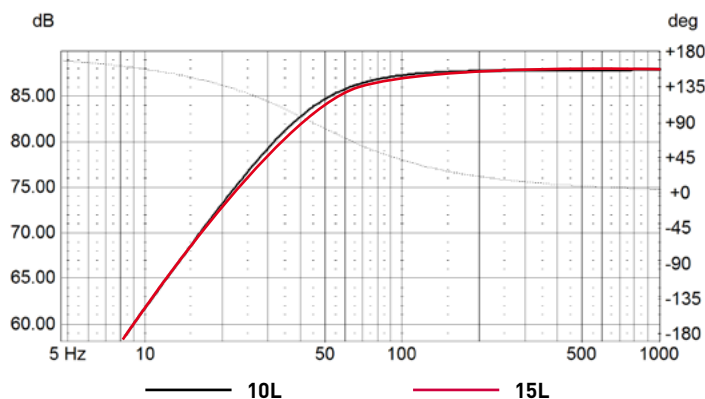
- FLAX® Cone
- Sealed and ported enclosure
- High power handling

## SPECIFICATIONS

Nominal power	400W RMS	
Maximum power	800W	
Sensitivity (2.83V/1m)	86.7dB	
Cone	Flax	
Surround	Rubber	
Nom. impedance	4 Ohms	
DC resistance	3.7 Ohms	
VC diameter	50mm	2"
VC height	35mm	1 <sup>3</sup> / <sub>8</sub> "
Former	Glass Fiber	
Layers	4	
Wire	Copper	
Inductance	2.7 mH	
Xmax	14mm	0 <sup>9</sup> / <sub>16</sub> "
Magnet dxh (mm)	145 x 40mm	5 <sup>11</sup> / <sub>16</sub> " x 1 <sup>9</sup> / <sub>16</sub> "
Flux density	0.75T	
Gap height	8mm	0 <sup>5</sup> / <sub>16</sub> "
Net weight	5800g	11.6 lbs

## FREQUENCY RESPONSE / IMPEDANCE

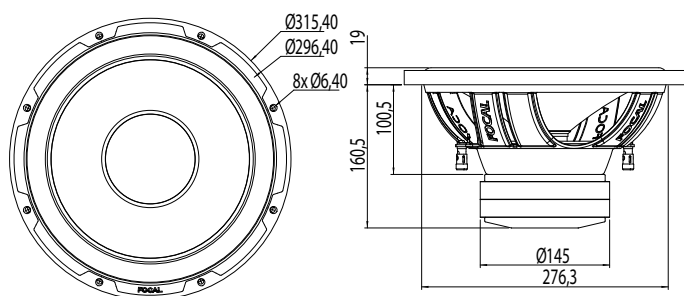
Sealed enclosure



## PARAMETERS

Fs	28Hz
Vas	70L
Qts	0.47
Qes	0.51
Qms	5.6
Re	3.7 Ohms
Sd	510cm <sup>2</sup>
Cms	0.19 mm/N
Mms	178g
BL	15.3 N/A
SPL	86.7 dB

## MECHANICAL DRAWING



## SUGGESTED APPLICATION

Sealed enclosure

Volume	F-3 (Hz)
30L 1.05 cu.ft.	45 Hz
35L 1.23 cu.ft.	44 Hz
40L 1.4 cu.ft.	43 Hz

Ported enclosure

Volume	F-3 (Hz)	Ø port	Port length
40L 1.4 cu.ft.	32 Hz	8 cm - 3 <sup>5</sup> / <sub>32</sub> "	35 cm - 13 <sup>25</sup> / <sub>32</sub> "
45L 1.58 cu.ft.	30 Hz	8 cm - 3 <sup>5</sup> / <sub>32</sub> "	35 cm - 13 <sup>25</sup> / <sub>32</sub> "
50L 1.76 cu.ft.	29 Hz	8 cm - 3 <sup>5</sup> / <sub>32</sub> "	35 cm - 13 <sup>25</sup> / <sub>32</sub> "
60L 2.11 cu.ft.	27 Hz	8 cm - 3 <sup>5</sup> / <sub>32</sub> "	35 cm - 13 <sup>25</sup> / <sub>32</sub> "