CROSSFIRE BMF XT15

Technical Specifications

Driver Description	15" Subwoofer, Dual Voice Coil
Mounting Depth	8.5in/215.9mm
Cutout Dimensions	14.125in/215.9mm
Impedance	1.8ohms per coil
Nominal Power Handling	1500 Watts
Maximum Power Handling	2500 Watts
Dynamic Power Handling	4000 Watts
Voice Coil Size	2.5", 4 Layer
Magnet Weight	240 oz
Frequency Response	22Hz-250Hz
FS	22.8
QTS	.322
QMS	4.068
QES	.350
VAS	4.31ft/122.09L
X-max	.82in/21.15mm
Peak to Peak	2.2in/55.88mm
Efficiency (2.83v/1m)	88.6dB

Power Ratings - Rating the power handling of subwoofers is not a difficult task. However, understanding power ratings is often confusing. Many times the Maximum Power Ratings are viewed as the RMS power handling of the driver, when in actuality Maximum is generally the breaking point of the driver. This has lead Crossfire to come up with a system rating the power necessary to drive our subwoofers. Please read the following cautiously before choosing your amplifier.

Nominal power handling - Nominal power handling is the power rating given by Crossfire at which the subwoofer will experience minimal mechanical degradation over time when using a recommended enclosure. In other words, this is the recommended power to be used per woofer to assure long life.

Maximum power handling (PE) - Maximum power handling is the power rating given by Crossfire at which the subwoofer could experience a high amount of mechanical degradation that may lead to possible failure over time when using the recommended enclosure. In other words, do not exceed this power level for extended periods of time.

Dynamic power handling - Dynamic power handling is the power rating given by Crossfire for peak transients and short bursts. Continuous playing at or above this level will cause mechanical failure and/or thermal failure. In other words, this power level should never be attained with the exceptions of approved SPL competition vehicles. This could possibly void your warranty.

Enclosure Recommendations

The XT15 was designed for ultra high output and power handling in ported enclosure applications. *Sealed and bandpass enclosures are not recommended. See the diagram on the right for enclosure frequency response and specifications. Ports dimensions are expressed in area and length. For example 30in^2 x 7.25"L can be figured as:

H x W = 30in^2
5" x 6" = 30in^2
Port = 5"H x 6"W x 7.25"L

**All box volumes are net vb, you must add port displacement for accuracy. **

	Vb	Port
Normal	3.5ft^3	30in^2 x 17.25"L
Increased Output	3.5ft^3	30in^2 x 10.75"L
High Output	4.5ft^3	30in^2 x 6"L
***SPL	5.0ft^3	100in^2 x 7.5"L

***This is an out of vehicle reference measurement. Box & tuning may need to be varied according to vehicle and/or application.

LEAP© Loudspeaker Enclosure Analysis Program Ver 4.60, (C)1994 LinearX Systems Inc | Date: May 11,2001 Time: Fri 11:22AM | DGL Library: XT15 .DGL

DGL Entry: 1, Name:BMF XT15 3.5FT^3 30in^2 x 17.25"L @ 32Hz1500 watts Ripple=1.04
DGL Entry: 2, Name:BMF XT15 3.5FT^3 30IN^2 x 10.75"L@ 38Hz 1500 watts Ripple=2.53
DGL Entry: 3, Name:BMF XT15 4.5ft^3 30in^2 x 6"L @ 40Hz 1500 watts Ripple=2.98
DGL Entry: 4, Name:BMF XT15 5.0ft^3 100in^2 x 7.5"L @ 56Hz 1500 watts Ripple=5.90