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Subject: driver with a fs/Qes>120

Posted by [Zeno](#) on Fri, 10 May 2002 12:35:31 GMT

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hi wayne, can you let me know which eminence driver has the closest spec compare to the following and also can you tell me which 15 eminence driver with a fs/Qes>120 Visaton BGS 40 8 OHMArt. No. 3040 40 cm (15") woofer with hard cone suspension Technical Data: Nominal power handling 200 WattPeak power handling 300 WattNominal impedance 8 OhmFrequency response fc- 4000 HzMean sound pressure (nominal) 98 dB (1 W/1 m)Maximum cone displacement 16 mmResonance frequency 38 HzMagnetic induction 1,1 TeslaMagnetic flux 1800

diameter 35,9 cmNet weight 5,4 kgD.C. resistance Rdc 6,5 OhmMechanical Q factor Qms 1,3Electrical Q factor Qes 0,4Total Q factor Qts 0,31Equivalent volume Vas 263 lEffective

of the voice coil 1,55 mHthank you

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Subject: Re: driver with a fs/Qes>120

Posted by [Adam](#) on Fri, 10 May 2002 12:48:20 GMT

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The Omega Pro 15" is pretty close to that woofer.Fs 39qts .35vas 196 litresIt has an EBP of 109. Here are a couple others.Kappa Pro LF 15" - EBP 117Kappa 15" - EBP 115Magnum 15HO - EBP 117Those are their 15" drivers with the higher EBP's.Adam

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Subject: Re: driver with a fs/Qes>120

Posted by [freddy](#) on Sat, 11 May 2002 13:46:07 GMT

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Hi Zeno look at Madisound's Eminence 151311 @\$79USpretty close to your Visatonfs/qes=119.375fs=38.2,qes=0.32,qms=7.73,vas=299l,re=5,xmax=5.5mm, mms=60.1g,BL=14.9Le isn't specified but I'd guess around 1mH - goes out>3Khz on axis as direct radiator - am looking at it for inexpensive Karlson driverFreddy

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Subject: my intention is to build the visaton MB 115/B bass horn

Posted by [Zeno](#) on Sat, 11 May 2002 16:26:52 GMT

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Hi adam & freddy, Many thanks for the info and advice. I intend to build the visaton MB 115/b bass horn with eminence driver, the visaton bqs 40 driver is rather difficult to obtain here in my country, I wrote to them but they did not reply, in fact it would be too expensive to get them in from Germany, for the eminence they have the distributor here and I can get them at good price, besides I like the good old American sound. I really have no experience with all this stuff but very keen to learn and experience with speaker especially horn speaker, from what I see I think the Kappa 15 is close to the spec of the visaton driver, I may be wrong. I would really appreciate your help to realize my intention. Zeno

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Subject: Re: my intention is to build the visaton MB 115/B bass horn

Posted by [Adam](#) on Sat, 11 May 2002 21:26:22 GMT

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My only concern would be excursion... The Kappa 15 is a hurting unit in that department. You might want to consider JBL drivers as well... Much more expensive, but you can probably find something that will match the driver you want in all categories, including xmax. Adam

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Subject: Adam, please assist

Posted by [Zeno](#) on Sun, 12 May 2002 13:40:19 GMT

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hi adam, thanks for your input. Can you please let me know which is the Eminence driver is best suited

and come close for my project, the JBL are far too expensive here.thanks Zeno G

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Subject: Re: my intention is to build the visaton MB 115/B bass horn

Posted by [freddy](#) on Sun, 12 May 2002 13:47:44 GMT

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Zenoproably the light-cone Kappa Pro 15 with ~3mm xmax would do OK for the Viston horn - you're probably going to get ~300-350Hz HF corner then go into a slow slope region - in US, cast-frame "Pro" versions of Eminence cost about the same as stamped-frame models - mainly paying for magnetbest wishes!Freddy

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Subject: wayne can i have your opinion on driver with a fs/Qes>120

Posted by [Zeno](#) on Mon, 13 May 2002 13:07:40 GMT

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for visaton MB 115 bass horn, which is the closest 15" eminence driver .thanks

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Subject: Sorry Gabriel, but I know nothing about that horn.

Posted by [Wayne Parham](#) on Mon, 13 May 2002 13:19:01 GMT

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You should really model it with something like Hornresp to know what you're dealing with.

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