



Mercruiser Alpha One Electrical Service Manual

L Darling-Hammond

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956 m deflection angle 22.5 degree strength 0.3411 m² gradient 2.84 t/m gap height 42 mm 0.6081121416 field t magnetic length 2.340 m iron length 2.274 m total length 2.47 m current 643 A turns 80 conductor 13.13 mm

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of magnets which accomplishes this is a transport system or magnetic lattice recall the lorentz force on a particle $F = qvB$ where $m = \gamma m_0$ relativistic mass

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web number of conductor turns in a coil is n magnetic field strength h 1 oe 103 4 a m 79 58 a m mmf magnetic flux 1 wb 1 vs assignment design a 90 degree bending magnet for beam analysis with the duoplasmatron

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web where h is the strength of the magnetic field in ampere turns metre at m n is the number of turns of the coil i is the current flowing through the coil in amps a l is the length of the coil in metres m then to summarise the strength or intensity of a coils magnetic field depends on the following factors the number of turns of wire within the coil

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