

$M_{\text{ZAMS}} = 60 M_{\odot}$ ;  $\eta_{\text{D}} = 0.5$ ;  $M_{\text{BH0}} = 23.7 M_{\odot}$ ;  $t_0 = 102.14 \text{ s}$ ;  $a_0 = 0.32$

~~23.70~~ **23.70**  $M_{\odot}$

