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$d_1 = 3$	$= 3$
$p_2 = 90$	$= 90$
$y = 2$	$= 2$
$C_{da} = 10$	$= 10$
$M_{dot} = C_{da} \cdot \sqrt{2d_1p_1\left(\frac{y}{y-1}\right)\left(\left(\frac{p_2}{p_1}\right)^{\frac{2}{y}} - \left(\frac{p_2}{p_1}\right)^{\frac{(y+1)}{y}}\right)}$	$= 74.44597914$