## Parametrs for this particular study

**Table 1.** Basic model parameters and derived quantities.  $T_{\mathrm{eff},s_{\mathrm{min}}}$  $R_{\star,s_{\min}}$  $P_{\mathrm{puls}}$ model  $M_{\star}$  $n_x^5$  $C_{T \text{fac}}$  $\log g_{s_{\min}}$  $x_{outerbox}$  $x_{innerbox}$  $t_{\rm avg}$  $(M_{\odot})$  $(M_{\star})$  $(L_{\odot})$  $(R_{\odot})$  $(R_{\odot})$ (d)  $(R_{\odot})$ (K) (yr) cgs  $599^{3}$ st28gm06n050 510 0.182 7049 0.75 54.61 2823 1.0 4858 2340 351 -0.656 7030  $679^{3}$ st28gm06n052 0.181 6386 0.7757.78 2806 545 1.0 2640 355 -0.665  $559^{3}$ 6702 st28gm05n033 0.298 0.721.5 3454 1581 27.70 304 2993 -0.358 297

 The stellar parameter sets of the 3D models presented here were chosen to fall into two different regimes: according to results from 1D DARWIN simulations, model st28gm06n052 is expected to develop a pronounced dustdriven wind, while the 1D counterpart of model st28gm05n033 fails to produce an outflow

## Parametrs for this particular study

able 1. Basic model parameters and derived quantities.												Q LOO
model	$M_{\star}$	$M_{ m env}$	$L_{\star}$	$n_x^3$	$x_{\text{outerbox}}$	$x_{\rm innerbox}$	$C_{T  ext{fac}}$	$t_{\rm avg}$	$R_{\star,s_{\min}}$	$T_{\mathrm{eff},s_{\min}}$	$\log g_{s_{\min}}$	$P_{ m puls}$
	$(M_{\odot})$	$(M_{\star})$	$(L_{\odot})$		$(R_{\odot})$	$(R_{\odot})$		(yr)	$(R_{\odot})$	(K)	cgs	(d)
st28gm06n050	1.0	0.182	7049	599 <sup>3</sup>	4858	2340	0.75	54.61	351	2823	-0.656	510
st28gm06n052	1.0	0.181	7030	$679^{3}$	6386	2640	0.77	57.78	355	2806	-0.665	545
st28gm05n033	1.5	0.298	6702	559 <sup>3</sup>	3454	1581	0.72	27.70	304	2993	-0.358	297

The stellar parameter sets of the 3D models presented here were chosen to fall into two different regimes: according to results from 1D DARWIN simulations, model st28gm06n052 is expected to develop a pronounced dustdriven wind, while the 1D counterpart of model st28gm05n033 fails to produce an outflow