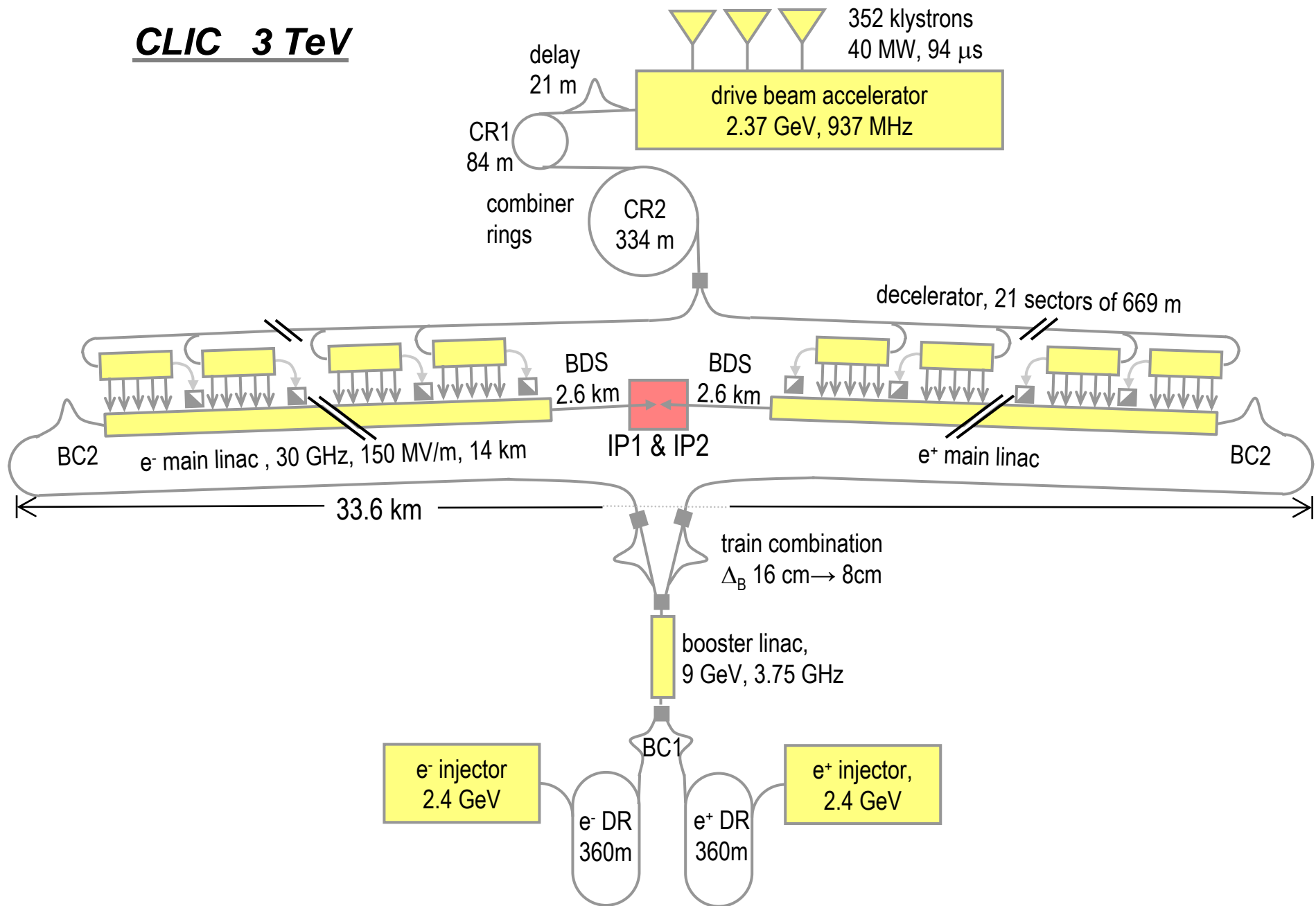


# CLIC 3 TeV



## AC power consumption

	unit	old	new
$P_{AC\ DB\text{-}accelerator}$	MW	<b>311</b>	<b>322</b>
Main beam injection	MW	7	7
Central area magnets/services /detectors	MW	35	35
Tunnel services & magnets	MW	25	25
DBA reliability margin (klystron failure)	MW	24	25
Modulator auxiliaries	MW	4	4
$P_{AC\ Total}$	MW	<b>406</b>	<b>418</b>
$P_{Main\ Beams}$ (both together)	MW	31.1	40.6
$\eta$ (= $P_{Main\ Beam} / P_{AC\ DB\text{-}accelerator}$ )	%	10	12.6
$L_{99\%}$	$10^{34}\text{cm}^{-2}\text{s}^{-1}$	<b>3.3</b>	<b>3.3</b>
$L_{99\%}/P_{AC\ Total}$	$10^{31}\text{cm}^{-2}\text{s}^{-1}\text{MW}^{-1}$	<b>8.1</b>	<b>7.9</b>