

~ 2.5
 α

$d = 197 \pm 45$

2008). It has a limb darkened angular diameter of

± 0.15

2009 which means that it subtends the largest angular diameter of any star in the northern sky apart from the Sun. It is by far the formation region Ori OB1 [?, see, e.g.,] Hoogerwerf 2000, and was a spectral type O9 V star while on the main sequence, where it

$20 M_{\odot}$

$18 M_{\odot}$

-2

$2 \times 10^{-5} g_{\odot}$

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$30-15-1.04-2.17\mu m$
 R_\star
 R_\star
 2009 . These plumes have been attributed to the action of giant convection cells. Thermal infrared VLT ($\lambda =$
 $8-20\mu m$
 $100R_\star$
 $2.5-2011$, while Herschel images show a chaotic dust distribution far out in the circumstellar envelope, i.e., beyond \star
 $15-2012$. A conclusion that can be drawn from these studies is the constant presence of inhomogeneities in the circumstellar environment.

2006 is a millimeter interferometer located at Cedar Flat in eastern California at an elevation of 2200 m . The array consists of
 115 GHz (3 mm) and $215-270\text{ GHz}$ (1.3 mm). Eight additional 3.5 m antennas known as the Sunyaev–Zel’dovich Array (SZA) can also be added to CARM A for continuum observations at $26-36\text{ GHz}$ (1 cm) and $85-115\text{ GHz}$ (3 mm). The different sizes of the CARM A antennas make it a heterogeneous array with a total collecting area equivalent to a 30 m dish. Since the CARM A array has 3 different primary beams, there are a number of advantages. Such an array samples shorter spatial scales than a single-dish telescope.

$template/3/carma_configs.ps$ [The three CARM A array configurations used] The three CARM A array configurations used
 $66-148\text{ GHz}$
 $B_{max} =$
 $148-370\text{ GHz}$
 $B_{min} =$
 $370-1000\text{ GHz}$
 $template/3/carma_layout.ps$ [The layout of antenna pads for CARM A] The layout of antenna pads for CARM A and a visual comparison of the CARM A array with the VLA.

$??-??$
 $??-??$
 $50\times(230\text{ GHz}/\nu)$
 $30\times(230\text{ GHz}/\nu)$