

Iran's centrifuges: a field guide



IR-1ⁱ

IR-2ⁱⁱ

IR-2mⁱⁱⁱ

IR-3^{iv}

IR-4^v

? (IR-5?)^{vi}

? (IR-6?)^{vii}

IR-8^{viii}

h= ~210cm

h= ~120cm

h= ~160cm

h= ~130cm

h= ~165cm

h= ~160cm

h= ~125cm

h= ~350cm?

References: **i.** UN Security Council Iran Panel of Experts report 2014 (http://www.un.org/ga/search/view_doc.asp?symbol=S/2014/394); **ii.** Institute for Science and International Security (ISIS), http://www.isis-online.org/publications/iran/ISIS_Iran_IAEA_Report_29May2008.pdf; **iii.** UNSC Iran Panel of Experts report 2014 ; **iv.** ISIS, http://www.isis-online.org/publications/iran/ISIS_Iran_IAEA_Report_29May2008.pdf; **v.** UN Iran Panel of Experts report 2014 **vi.** Unknown type. Image is stitched from 2010 video at <https://www.youtube.com/watch?v=VZgeXbqvQQU> (0:17 and 01:06). **vii.** Unknown 'third generation' centrifuge displayed at 2010 Nuclear Day. **viii.** Image is stitched from 2016 video at <https://www.youtube.com/watch?v=jU9ra4xIAfs>.

Heights are of centrifuge cases. IR-1 height based on visual comparison with reported IR-1 rotor length of 180cm. IR-2 height based on visual comparison with reported rotor length of 100cm. IR2-M and IR-4 height based on visual comparison with IR-1. Height of IR-3 and possible IR-6 is based on visual comparison with reported height of Mahmoud Ahmadinejad (1.57m), who appears in pictures with these centrifuges. Height of possible IR-5 is based on visual comparison with height of possible IR-6. Height of IR-8 is based on proportional comparison with IR-1, shown alongside in video – although IR-1 in this footage appears unusually small compared to person in foreground. All heights are approximate.