The Williams Cosworth FW33

- It takes four days to build the FW33 car from a bare chassis to a fully operational race car.
- After each race, the car will be stripped down and 150 diagnostic checks will be carried out before the next event.
- The FW33 uses a seven speed, seamless shift gearbox. The drivers will typically change gear up to 2,800 times per Grand Prix. In Monaco, this number can increase to 4,000 times.
- A Formula One engine must weigh just 95kg.
- The FW33 can go from 0 – 60mph in 2.3 seconds and 0 – 100mph in 3.8 seconds.
- 0mph to 100mph and back to 0mph again in 5.5 seconds.
- The FW33 will reach its top speed at Monza where the drivers will record 220mph around the track.
- The FW33’s brake discs can exceed temperatures of 1,000°C.
- The inside of the exhaust pipe will see temperatures hit 950°C.
- During a race, the temperature in the cockpit could reach as much as 50 °C.
- A Formula One driver burns approximately 1,200 calories per Grand Prix and loses on average two kilograms in weight.
- Drivers’ heart rates can reach peaks of 190 beats per minute during a Grand Prix.
Williams F1 Facts

- Established in 1977 by Frank Williams and Patrick Head
- Frank Williams is the longest serving Team Principal in Formula 1 history
- 553 Grand Prix contested
- 113 Victories
- 297 Podium finishes
- 126 Pole positions
- 130 Fastest laps
- 2,669 Total points scored
- 263,532 Kilometres raced
- 55,498 Laps raced
- 219 Races led
- 34,797 Kilometres led
- 7,497 Laps led
- 9 Constructors’ Championships
- 7 Drivers’ Championships

113 Victories
2,669 Points scored
9 Constructors’ Championships