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| S No | Name | Main Feature | MTOW (kg) | Cruise Speed (m/s) | Max Speed (m/s) | Length (m) | Wingspan (m) | Wing Type |
| 1 | Flying Squirrel (Glaucomys Sabrinus) | Jump glide instead of continuous flight (energy savings) | 0.14 | 5.37 | 7 | 0.16 | - | Body attached |
| 2 | Jackdaw (Corvus Monedula) | Flap-glide pattern | 0.22 | 8 | 12 | 0.34 | 0.7 | Elliptical wing |
| 3 | Barn Owl (Tyto Alba) | Silent flight | 0.455 | 6.7 | 8.94 | 0.35 | 1.08 | Elliptical wing |
| 4 | Common Nightjar(Chordeiles Minor) | Camouflaged | 0.098 | 10 | 12.78 | 0.24 | 0.61 | Elliptical wing |
| 5 | Common Swift | Energy conserving flight | 0.038 | 25 | 30 | 0.16 | 0.4 | High speed wing |
| 6 | Peregrine Falcon | Fast diver | 0.65 | 31 | 46.67 | 0.4 | 1 | High speed wing |
| 7 | Golden Eagle | Soarer | 4 | 12.5 | 35.8 | 0.7 | 2.1 | Passive soaring |
| 8 | Great Frigate bird | Glide | 1.3 | 27 | 42.5 | 0.9 | 2.3 | Slow glide/soaring-high aspect ratio |
| 9 | Anna's Hummingbird | Hover, symmetric figure of 8 | 0.003 | 8.33 | 15.66 | 0.1 | 0.12 | Hovering |
| 10 | Gyrfalcon | High-speed dive | 1 | 26.38 | 40.277 | 0.55 | 1.4 | High speed wing |
| 11 | Mega bat | Glide | 1.45 | 20 | 37.5 | 0.3 | 1.7 | Slow glide/soaring-high aspect ratio |
| 12 | Laggar Falcon (Falco Jugger) | Gliding (change in airspeed and glide angle by flexing wings and decreasing wing area | 0.57 | 12.5 | 15.9 | 0.4 | 1.01 | High speed wing |
| 13 | Albatross | Glide | 9.79 | 10 | 16 | 1.3 | 3.45 | Slow glide/soaring-high aspect ratio |
| 14 | Kestrel (Falco Tinnunculus) | Hovers for hunting, (flying into the wind, or using ridge lift), hovers 10-20 m above ground | 0.21 | 7 | 17.43 | 0.32 | 0.676 | Approx. Elliptical wing (e = 0.94) |
| 15 | Saker Falcon (Falco Cherrug) | High-speed dive | 0.9 | 16.66 | 41.66 | 0.51 | 1.11 | High speed wing |
| 16 | Common Tern (Sterna Hirundo) | Hovers, take-off, maneuverable (rapid turns and swoops), can fly close to the surface in a strong head wind | 0.118 | 8.3 | 15 | 0.35 | 0.828 | Long pointed wings for fast, buoyant flight, long soaring wings |
| 17 | Long-Eared Bat (Plecotus Auratus) | Hovers, very agile and maneuverable flight, can fly vertically up and down for short periods  flies very slowly and can therefore make sharp turns in narrow spaces. | 0.009 | 2.35 | 5.5 | 0.048 | 0.27 | Wings with rounded tips have lower aspect ratios, and are associated with slower, more maneuverable flight |
| 18 | Pigeon (Columba Livia) |  | 0.333 | 25 | 41.6667 | 0.27 | 0.56 | Elliptical wing |
| 19 | Pied Flycatcher(Ficedula Hypoleuca) | Hover/dive | 0.022 | 15.3 |  | 0.13 | 0.17 | Long, rounded wings |