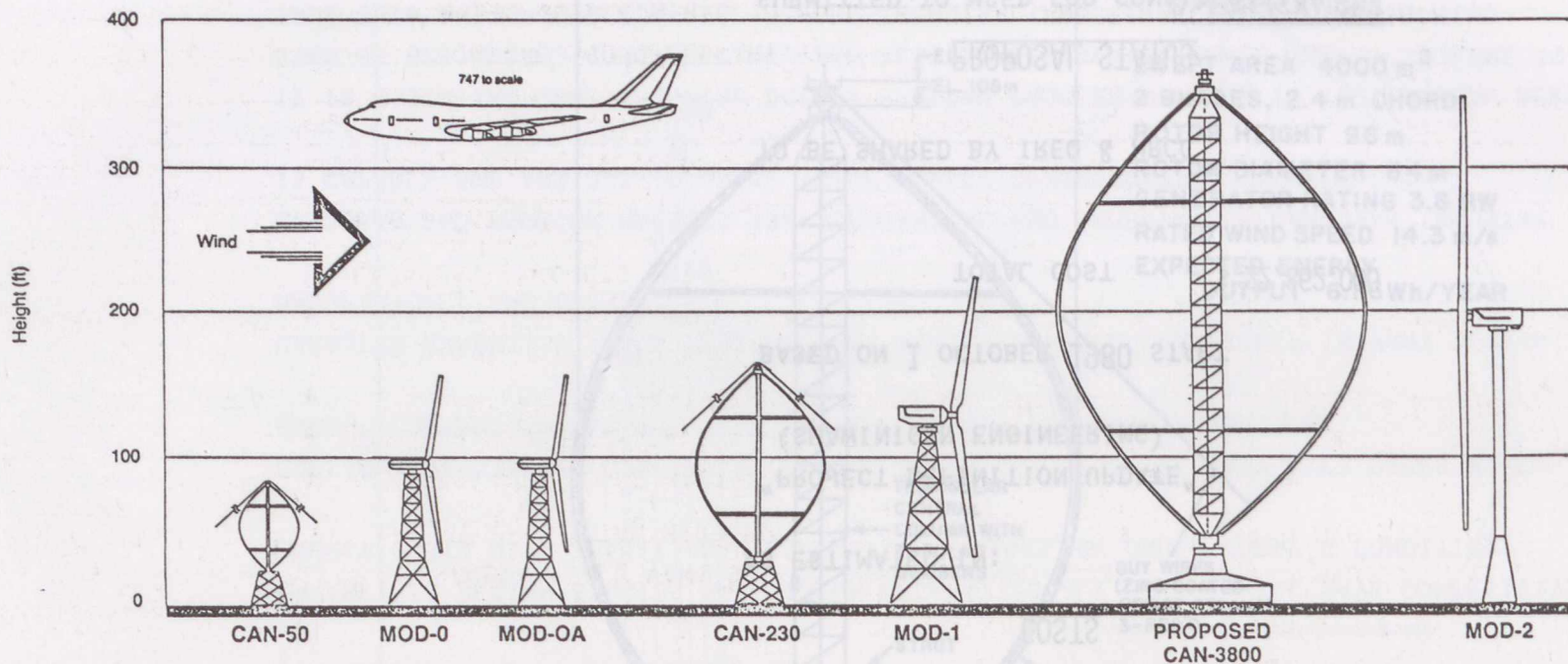




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CURRENT LARGE GRID-COUPLED WIND TURBINES



| | CAN-50 | MOD-0 | MOD-0A | CAN-230 | MOD-1 | PROPOSED CAN-3800 | MOD-2 |
|---|---|------------------------|---|------------------------|------------------------------|------------------------|-----------------------------------|
| Tower height | 30 ft | 100 ft | 100 ft | 30 ft | 135 ft | 36 ft | 200 ft |
| Rotor blade span (H/Dia) | 55/37 ft | 125 ft | 125 ft | 122/81 ft | 200 ft | 315/210 ft | 300 ft |
| Swept area | 1346 ft ² | 12,272 ft ² | 12,272 ft ² | 6400 ft ² | 230 kW | 43,057 ft ² | 70,696 ft ² |
| Rated power output for rated wind speed | 50 kW | 100 kW | 200 kW | 230 kW | 2.0 MW | 3.8 MW | 2.5 MW |
| Rated wind speed (at 30 ft) | 34 mph | 14.5 mph | 17.3 mph | 30 mph | 25.7 mph | 32 mph | 19.9 mph |
| Expected energy output per year | 80 MWh | 700 MWh | 820 MWh | 400 MWh | 3.7 GWh | 6.1 GWh | 9.3 GWh |
| Mean wind speed (at 30 ft) | 14 mph | 14 mph | 14 mph | 14 mph | 14 mph | 14 mph | 14 mph |
| Cut-in/Cut-out speed | 12/45 mph | 10/35 mph | 10/35 mph | 13/40 mph | 11/35 mph | 12/40 mph | 9/35 mph |
| Weight/kW | 390 lb/kW | 800 lb/kW | 450 lb/kW | 256 lb/kW | 323 lb/kW | 170 lb/kW | 240 lb/kW |
| Location (first rotation) | Holyroad Nfld (1978) Smith Current Sask. (1978) Victoria B.C. (1980) Churchill Man. (1980) | Sandusky, Ohio (1975) | Clayton, New Mexico (1977) Culebra, Puerto Rico (1978) Block Island, Rhode Island (1979) Oahu, Hawaii (1980) | Margalen Island (1977) | Boone, North Carolina (1979) | | Goldendale, Washington (1980) |
| Prime Contractor | DAF Indal/NRC | NASA | Westinghouse Electric Corp. | DAF Indal/NRC | General Electric Co. | | Boeing Engineering & Construction |