

## AIR GEARMOTORS

For applications where precise and variable turning power and speed is a requirement. Examples are bolt tensioning equipment or rock drilling rigs, precise lifting, lowering, traversing or turning. Unlike electric gearmotors, no chance of burn-out nor heat buildup with TONSON Air Motors. Direction of rotation is instantly reversible.

### Precise Turning Power, High Torque Capacity



V1-FG3.5

V1-FG15

V1-FG43

F

Foot

AIR GEARMOTORS  
(Planetary Reducer)

## BRAKES

For applications where positive braking is a requirement, a range of caliper brakes is offered. These are designed to withstand full stall torque of the air motor. The brake consists of two spring applied shoes pressed against a central hub. The shoes are released by applying air pressure to the cylinder/piston assembly. The brake torque can be varied by adjustment of two spring adjusters but it is normally set so that a pilot pressure of 4 bar (60 PSI) will fully release it.



V6-LB  
(Foot, Brake)



V6-FB  
(Flange, Brake)



V8-FRCV  
(Flange, Brake, Remote Control Valve)

## How to Order

**V6 - FB G10 RCV**

| Motor | Mounting |            | Brake Option |         | Reducer Option |            |      |       | Valve Option |                      |
|-------|----------|------------|--------------|---------|----------------|------------|------|-------|--------------|----------------------|
| V1    | F        | Face / Hub | Blank        | NoBrake | Blank          | No Reducer |      |       | Blank        | No Valve             |
| VA1   | L        | Foot       | B            | Brake   | G3             | 1/3        | G30  | 1/30  | HCV          | Hand Control Valve   |
| V2    | B        | Butterfly  |              |         | G5             | 1/5        | G40  | 1/40  | RCV          | Remote Control Valve |
| V4    | N        | NEMA       |              |         | G10            | 1/10       | G60  | 1/60  |              |                      |
| V6    | I        | IEC        |              |         | G15            | 1/15       | G80  | 1/80  |              |                      |
| V8    |          |            |              |         | G20            | 1/20       | G100 | 1/100 |              |                      |
| V16   |          |            |              |         |                |            |      |       |              |                      |