

# Fixed Displacement Motor for Open and Closed Circuits Model AA2FM

### Model AA2FM

**Axial piston, bent axis design**

**Sizes 16 to 180, Series 6**

**Nominal pressure up to 5800 PSI**

**Maximum pressure up to 6500 PSI**

The fixed displacement motors AA2FM (A2FM) of axial piston, bent axis design is made suitable for hydrostatic drives in open and closed circuits.

Output speed is proportional to input flow and inversely proportional to displacement. Drive torque increases with the pressure drop across the unit. The motor is suitable for use in mobile and industrial applications.

Careful selection of the displacements offered, permit sizes



to be matched to practically every application.

- Favorable power / weight ratio
- Compact and economic design
- Optimum efficiency
- One piece pistons with piston rings
- Patented cylinder block drive system

### Ordering Code

AA2F	M		/	61	W	-	V				
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**Axial piston unit**

Bent axis design, SAE = AA2F

**Mode of operation**

Motor = M

**Size** 16 32 45 63 80

Displ. in<sup>3</sup>/rev 0.98 1.95 2.78 3.84 4.91

V<sub>g</sub> max (cm<sup>3</sup>/rev) (16) (32) (45) (63) (80)

90 107 125 160 180

in<sup>3</sup>/rev 5.49 6.51 7.63 9.79 10.98

(cm<sup>3</sup>/rev) (90) (107) (125) (160) (180)

**Series/index** = 61

**Direction of rotation**

As viewed from shaft end – bidirectional = W

**Seals**

FPM - phosphate ester fluid = V

**Shaft end** 16 32 45 63 80 90 107 125 160 180

SAE splined shaft • • • • - - • • • • = S

- - - - • • - - - - = Q

**Mounting flange**

SAE 2-bolt • - - - - - - - - - - = C

SAE 4-bolt - • • • • - - • • • • = D

- - - - - • • - - - - - - = DN

**Service ports**

Ports A and B 51 0 - - - - - - - • - • • = 510

SAE at rear

Ports A and B 52 0 - • • • • • - • - - = 520

SAE at side (opposite side)

Ports A and B 53 0 • - - - - - - - - - = 530

Threaded side (opposite side)

**Valves**

Without valves

- = not available

• = available