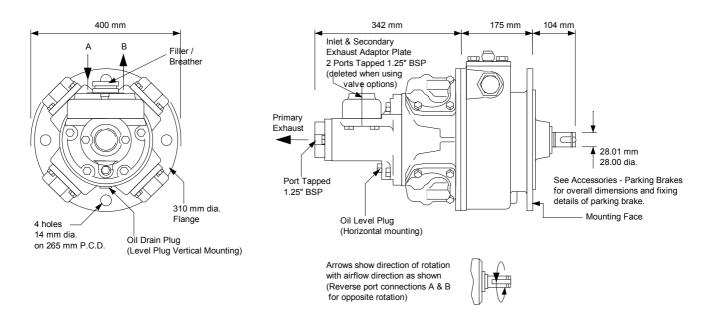
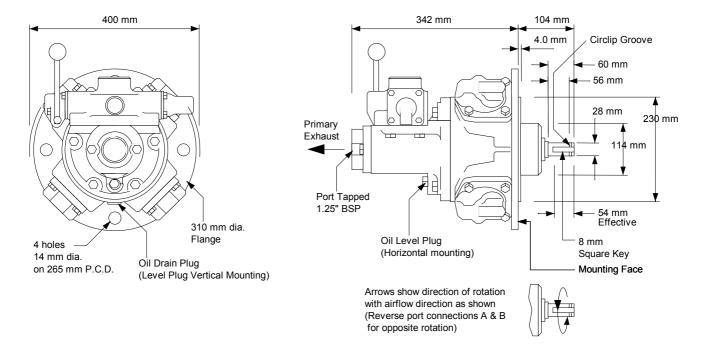


#### GLOBE RM410 radial piston air motor

#### GLOBE RM410 radial piston air motor + brake

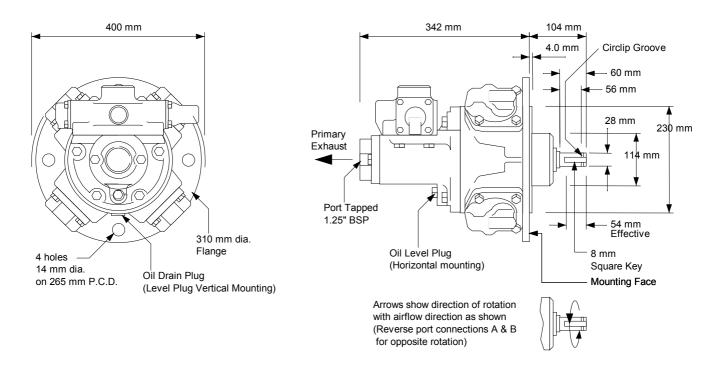




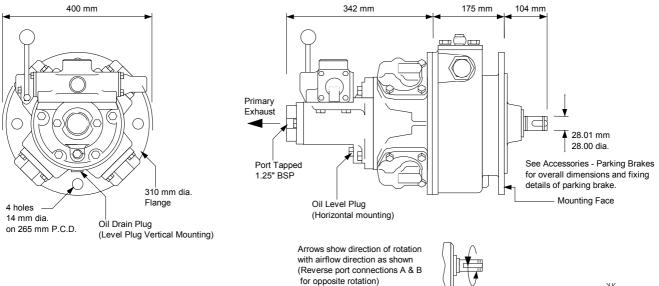


### GLOBE RM410 radial piston air motor + HCV

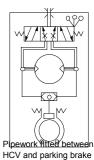
### GLOBE RM410 radial piston air motor + RCV





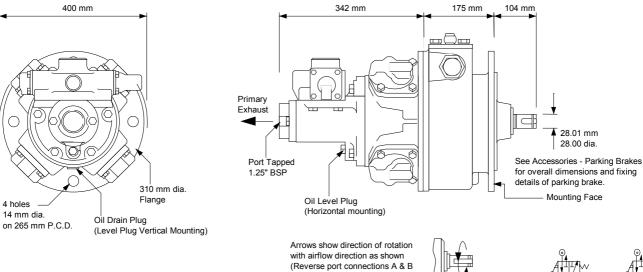


### GLOBE RM410 radial piston air motor + brake + HCV

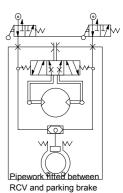








for opposite rotation)





Gearbox ratio None

### GLOBE RM410 radial piston air motor

Maximum

Starting

Torque

Minimum

Starting

Torque

#### Performances GLOBE RM410 radial piston air motor

**TORQUE - PRESSURE TORQUE - SPEED** TORQUE TORQUE Nm Nm When designing for applications where the minimum start torque requirement is equal to 180 200 the running torque (as for example on hoists), 180 the motor should be operated within the 160 shaded area. This will ensure that the motor will always have adequate starting torque 160 8 bar 140 140 7 bar 120 120 6 bar 100 100 5 bar 80 80 4 bar 60 60 3 bar 40 40 STARTING TORQUE will vary between the minimum and maximum levels shown. 20 20 The actual starting torque will depend on the air inlet pressure and the motor crank position 0 400 800 1200 1600 2000 0 1 2 3 4 5 6 7 8 SPEED revs per min PRESSURE Bar A pressure regulator should be used to control the air pressure to the motor, to limit the maximum output torque applied to the driven assembly. **POWER - SPEED AIR CONSUMPTION - SPEED** Free air kW l/sec 18,0 360 16.0 320 8 bar 14.0 280 7 bar 8 bar 12,0 240 6 bar 7 bar 5 bar 10.0 6 bar 200 4 bar 5 bar 8,0 160 3 bar 4 bar 6,0 120 3 bar 4,0 80 2,0 40 400 800 1200 1600 2000 400 800 1200 1600 2000 0 0 SPEED revs per min SPEED revs per min

It is desirable that the motor's continuous operating speed is close as possible to the speed at which PEAK POWER is since this gives optimum performance and air

#### LUBRICATING OIL CAPACITIES

Horizontal 500ml Vertical 940ml Use a goood quality hydraulic oil with a viscosity of around 100cSt (460SSU) at 40°C (104°F)

#### AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

Lubricator drop rate 6-8 drops/minute continuous operation Lubricator drop rate 12-16 drops/minute intermittent operation

#### **GENERAL DATA**

MASS (motor only) 62 kgs (137 lbs) MOMENT OF INERTIA of rotating parts 4.1 gm<sup>2</sup> (motor only) MAX OVERHUNG FORCE on motor shaft 1330 N (300 lbf) TEMPERATURE RANGE -20°C to +80°C (-4°F to +176°F)

### Maximum continuous speed 2000 rpm

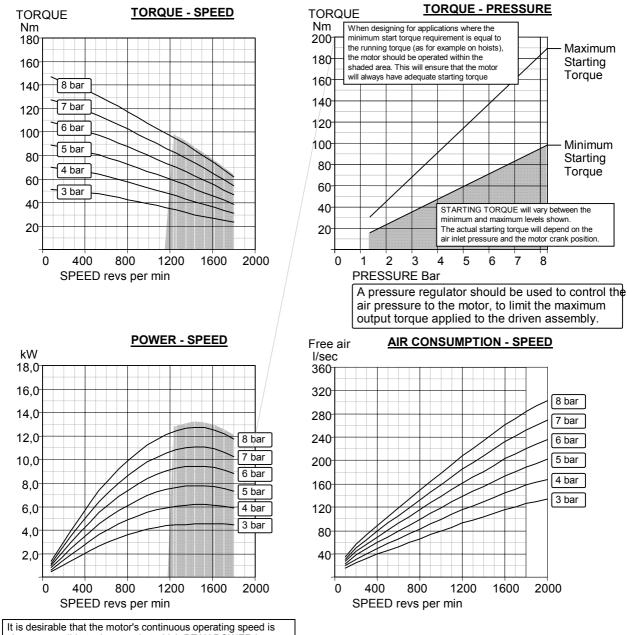


Gearbox ratio None Contol valve fitted

# GLOBE RM410 radial piston air motor

Performances GLOBE RM410 radial piston air motor + valve (RCV or HCV)

# Maximum continuous speed 1800 rpm



close as possible to the speed at which PEAK POWER is since this gives optimum performance and air

#### LUBRICATING OIL CAPACITIES

Horizontal 500ml Vertical 940ml Use a goood quality hydraulic oil with a viscosity of around 100cSt (460SSU) at 40°C (104°F)

#### AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

Lubricator drop rate 6-8 drops/minute continuous operation Lubricator drop rate 12-16 drops/minute intermittent operation

