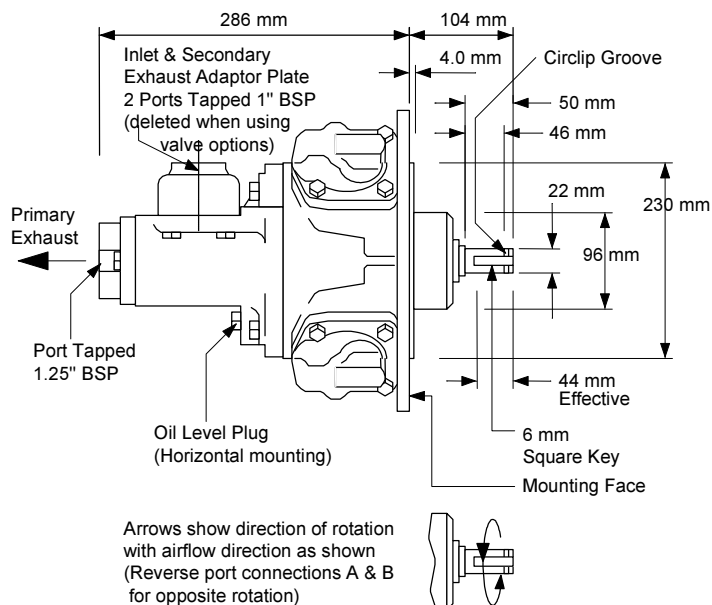
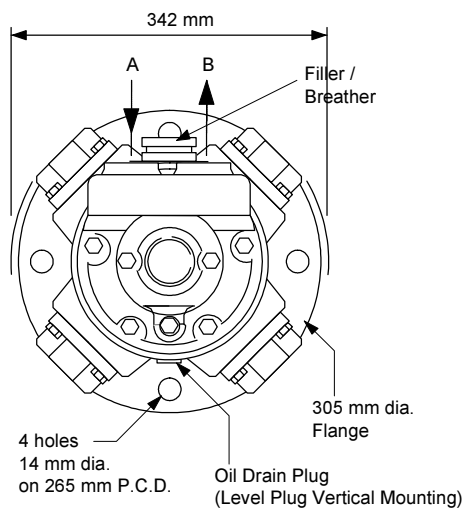


RM310 GLOBE Radial Piston Air Motor

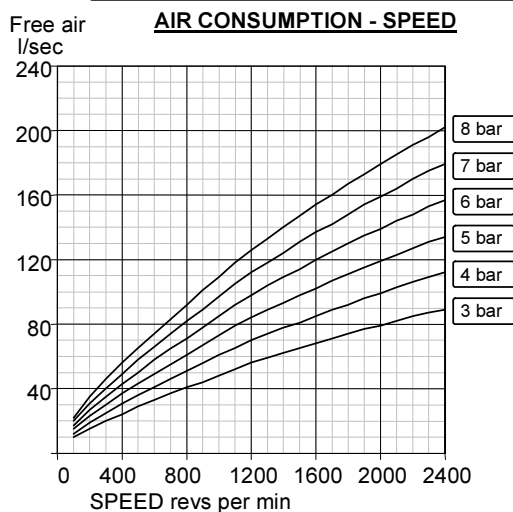
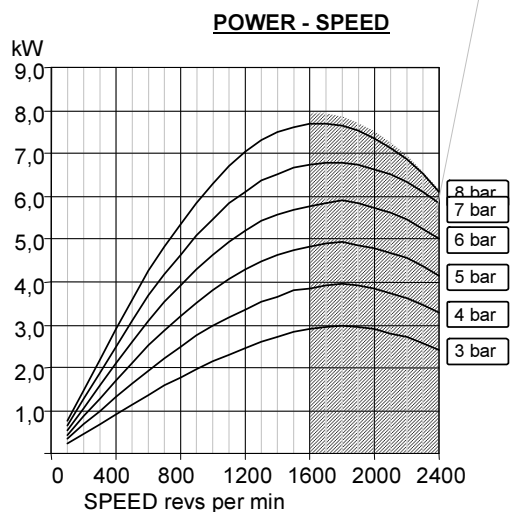
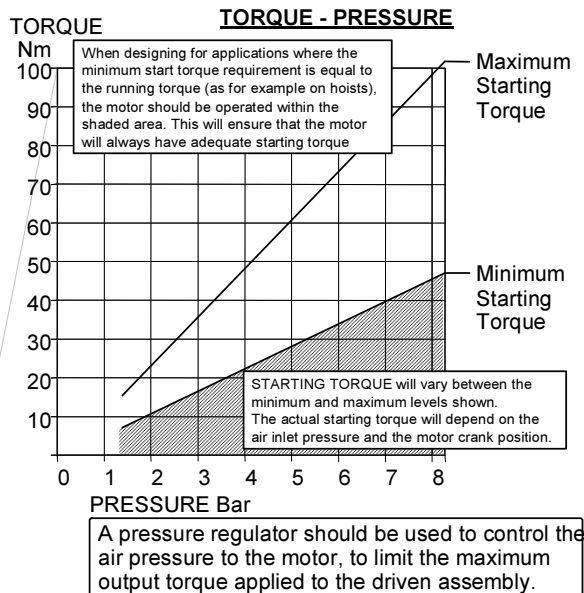
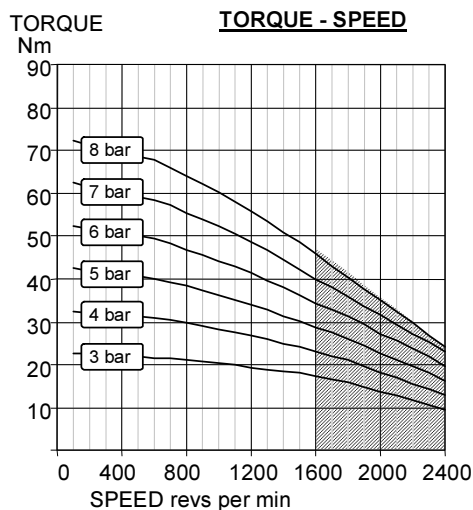




RM310 GLOBE Radial Piston Air Motor

Gearbox ratio None

Maximum continuous speed 2400 rpm



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

LUBRICATING OIL CAPACITIES

Horizontal 350ml Vertical 600ml

Use a good 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 5-6 drops/minute continuous operation

Lubricator drop rate 10-12 drops/minute intermittent operation

GENERAL DATA

MASS (motor only) 48 kgs (106 lbs)

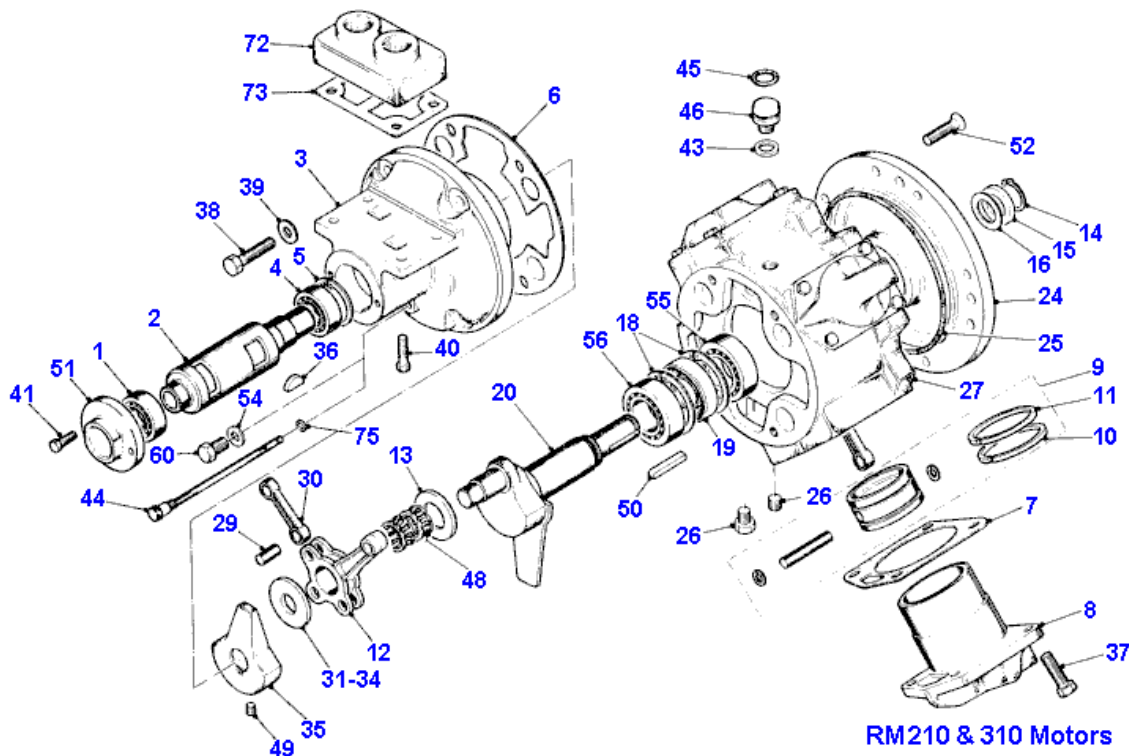
MOMENT OF INERTIA of rotating parts 1.8 gm² (motor only)

MAX OVERHUNG FORCE on motor shaft 1330 N (300 lbf)

TEMPERATURE RANGE -20°C to +80°C (-4°F to +176°F)



RM310 Motor Spare Parts List



RM210 & 310 Motors

Item	Part No.	Description	Qty	Kit No.	Item	Part No.	Description	Qty	Kit No.
01	807-002	Rotary Valve Bearing (Outer)	1		37	802-053	Cylinder Bolts	16	
02	330-059	Rotary Valve	1		38	802-053	Valve Housing Bolts	4	
03	330-011	Rotary Valve Housing	1		40	802-032	Adaptor Plate Bolt	4	
04	807-001	Rotary Valve Bearing (Inner)	1		41	802-032	Exhaust Cover Bolts	2	
05	804-054	Rotary Valve Bearing Circlip	1		45	-	Seal (transit only)	1	
06	-	Rotary Valve Housing Gasket	1	339-911	46	130-066	Breather Plug	1	
07	-	Cylinder Gasket	4	339-911	48	807-065	Needle Bearing	1	
08	310-082	Cylinder	4		49	815-002	Grub Screw	1	
09	330-902A	Piston Assembly	4		50	811-003	Key	1	
10	-	Compression Ring	4	339-911	51	330-005	Rotary Valve Exhaust cover	1	
11	-	Oil Control Ring	4	339-911	52	810-002	Countersunk Flange Bolt	8	
12	330-077	King Rod	1		55	807-009	Output Shaft Brg (Outer)	1	
13	330-013	Crankshaft Spacer	2		56	807-009	Output Shaft Brg (Inner)	1	
14	804-012	Crankshaft Circlip	1		60	816-063	Oil Level Plug	2	
15a	310-036	Crankshaft Spacer * SELECT	1		72	330-003	Inlet Adaptor Plate	1	
15b	310-037	Crankshaft Spacer * ON	5		73	-	Inlet Adaptor Plate Gasket	1	339-911
15c	310-038	Crankshaft Spacer * ASSEMBLY	1		80	330-060	Rotary Valve Spacer	2	
16	310-049	Crankshaft Spacer Shim	5			339-911	RM310 Seal kit		
18	804-062	Crankshaft Bearing Circlip	2						
19	-	Oilseal	1	339-911					
20	330-911	Std Crankshaft Assembly	1						
24	330-076	Std Flange Plate	1						
25	-	Flange Plate Seal	1	339-911					
26	816-071	Plug	1						
27	330-012	Engine Case	1						
29	320-081	Queen Rod Pivot	3						
30	330-078	Queen Rod	3						
31	320-052	Crank Spacer * SELECT	1						
32	320-053	Crank Spacer * ON	1						
34	320-054	Crank Spacer * ASSEMBLY	1						
35	330-010	Balance Weight	1						
36	811-010	Woodruff Key	1						

If unit is pre 1990 supply consult manufacturer
to confirm design