

Air Motors

- ▶ Ideal for stirring or pumping liquids
- ▶ Good in hose retraction systems
- ▶ Adjusting, lifting and lowering
- ▶ Tensioning applications
- ▶ Servo motor functions
- ▶ No motor burn-out

From 340 to 740 watts

Motor 340 watts



Motor 340 watts



Motor 500/550 watts



Motor 620/740 watts



Part number	Stall torque in Nm (ft/lbs)	No-load speed (rpm)
0 607 951 325	25.0	490
0 607 951 326	9.0	1400
0 607 951 318	25.0	490
0 607 951 323	25.0	490
0 607 952 303	28.0	650
0 607 952 304	15.5	1150
0 607 952 305	6.5	2700
0 607 952 300	28.0	760
0 607 952 301	15.5	1350
0 607 952 302	6.5	3000
0 607 957 301	36.0	610
0 607 957 300	36.0	720

Rotation	Power output in watts (hp)	Air consumption under load l/s (cfm)	Weight in kg (lbs)	Spindle dimensions	Connecting thread	Hose inner diameter (mm)	Operating curve	Comments	Included accessories
R/L	340 (0.46)	10.5 (22.2)	0.90 (1.98)	Cyl. shaft dia. 12 j 6	G 1/8"	8	140024	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{AX} = 850$ N Max. radial load of motor shaft $F_{RA} = 34$ N	Barbed hose nipple G 1/8"
R/L	340 (0.46)	10.5 (22.2)	0.90 (1.98)	Cyl. shaft dia. 12 j 6	G 1/8"	8	63039		Silencer G 3/8"
R/L	340 (0.46)	10.5 (22.2)	0.90 (1.98)	Cyl. shaft dia. 10 h 6	G 1/8"	8	133837		
R/L	340 (0.46)	10.5 (22.2)	0.98 (2.16)	3/8" □ with Axial balancing 10 mm stroke	G 1/8"	8	136982	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{AX} = 850$ N Max. radial load of motor shaft $F_{RA} = 34$ N	Barbed hose nipple G 1/8"
									Silencer G 3/8"
R/L	500 (0.54)	13.5 (28.6)	1.40 (3.09)	1/2"-20 UNF-2A	G 1/4"	10	98637	Operated by external control valve not supplied by Bosch.	Barbed hose nipple G 1/8"
R/L	500 (0.54)	13.5 (28.6)	1.40 (3.09)	1/2"-20 UNF-2A	G 1/4"	10	101085		Silencer G 1/2"
R/L	500 (0.54)	13.5 (28.6)	1.20 (2.65)	1/2"-20 UNF-2A	G 1/4"	10	103255	Motor exhausts through the unused air inlet. (If motor rotates right, exhaust comes out of left port)	
R	550 (0.74)	12.0 (25.4)	1.40 (3.09)	1/2"-20 UNF-2A	G 1/4"	10	91348		
R	550 (0.74)	12.0 (25.4)	1.40 (3.09)	1/2"-20 UNF-2A	G 1/4"	10	93841	Max. axial load of motor shaft $F_{AX} = 1250$ N Max. radial load of motor shaft $F_{RA} = 50$ N	
R	550 (0.74)	12.0 (25.4)	1.20 (2.65)	1/2"-20 UNF-2A	G 1/4"	10	96270		
R/L	620 (0.83)	17.5 (37.0)	1.32 (2.91)	1/2"-20 UNF-2A	G 1/4"	10	71359	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{AX} = 1550$ N Max. radial load of motor shaft $F_{RA} = 62$ N	Barbed hose nipple G 1/8"
R	740 (1)	16.0 (33.9)	1.32 (2.91)	1/2"-20 UNF-2A	G 1/4"	10	66678		Silencer G 1/2"

All motor power & torque data in this catalog assumes an air pressure of 6.3 bar/91psi exists at the tool inlet.
Correct air pressure and volume should be verified at inlet with the tool running at no-load speed.

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From 620 to 740 watts

Motor 620/740 watts



Part number	Stall torque in Nm (ft/lbs)	No-load speed (rpm)
0 607 957 308	90.0	250
0 607 957 309	65.0	340
0 607 957 310	36.0	610
0 607 957 315	36.0	610
0 607 957 314	170.0	140
0 607 957 305	90.0	290
0 607 957 306	65.0	400
0 607 957 307	36.0	720
0 607 957 317	160.0	120

Rotation	Power output in watts (hp)	Air consumption under load l/s (cfm)	Weight in kg (lbs)	Spindle dimensions	Connecting thread	Hose inner diameter (mm)	Operating curve	Comments	Included accessories
R/L	620 (0.83)	17.5 (37.0)	2.10 (4.63)	1/2"□	G 1/4"	10	49375	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{ax} = 1550$ N Max. radial load of motor shaft $F_{ra} = 62$ N	Hose nipple G 1/4" Silencer G 1/2"
R/L	620 (0.83)	17.5 (37.0)	1.70 (3.75)	1/2"□	G 1/4"	10	51707		
R/L	620 (0.83)	17.5 (37.0)	1.70 (3.75)	1/2"□	G 1/4"	10	73715		
R/L	620 (0.83)	17.5 (37.0)	1.70 (3.75)	Cyl. shaft dia. 12 j 6	G 1/4"	10	76035		
R	740 (1)	16.0 (33.9)	2.10 (4.63)		1/2"□	G 1/4"	10		
R	740 (1)	16.0 (33.9)	2.10 (4.63)	1/2"□	G 1/4"	10	78289		
R	740 (1)	16.0 (33.9)	1.70 (3.75)	1/2"□	G 1/4"	10	80557		
R	740 (1)	16.0 (33.9)	1.70 (3.75)	1/2"□	G 1/4"	10	68988		
R/L	620 (0.83)	17.5 (37.0)	2.10 (4.63)	1/2"□	G 1/4"	10			

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