

Air Motors

- ▶ Safe, versatile, extremely durable
- ▶ Reliable in continuous use applications
- ▶ No sparks are formed in the motor
- ▶ No motor burn-out
- ▶ C·L·E·A·N motor technology reduces noise & air consumption and eliminates the need for oil (See page 30)

From 100 to 180 watts

Motor 100/120 watts



Motor 180 watts



C·L·E·A·N



Part number	Stall torque in Nm (ft/lbs)	No-load speed (rpm)
0 607 954 306	2.0 (1.5)	1850
0 607 954 307	0.9 (0.7)	4100
0 607 954 304	2.1 (1.5)	2200
0 607 954 305	1.0 (0.7)	4900
0 607 953 335	6.5 (4.8)	620
0 607 953 336	4.5 (3.3)	1000
0 607 953 337	3.0 (2.0)	1600
0 607 953 338	1.5 (1.1)	2800
0 607 953 340	1.0 (0.7)	3800
0 607 953 346	4.5 (3.3)	1000
0 607 953 348	1.5 (1.1)	2800
0 607 953 331	7.7 (5.7)	740
0 607 953 332	4.7 (3.5)	1190
0 607 953 333	3.2 (2.4)	1875
0 607 953 334	1.6 (1.2)	3300
0 607 953 339	1.1 (0.8)	4500

Rotation	Power output in watts (hp)	Air consumption under load l/s (cfm)	Weight in kg (lbs)	Spindle dimensions	Air inlet thread	Hose inner diameter (mm)	Operating curve	Comments	Included accessories
R/L	100 (0.134)	5.0 (10.6)	0.37 (0.82)	3/8"-24 UNF-2A	G 1/8"	6	69258	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{ax} = 250$ N Max. radial load of motor shaft $F_{ra} = 10$ N	Barbed hose nipple G 1/8" Silencer G 1/4"
R/L	100 (0.134)	5.0 (10.6)	0.32 (0.71)	3/8"-24 UNF-2A	G 1/8"	6	73928		
R	120 (0.16)	4.5 (9.5)	0.37 (0.82)	3/8"-24 UNF-2A	G 1/8"	6	66879		
R	120 (0.16)	4.5 (9.5)	0.32 (0.71)	3/8"-24 UNF-2A	G 1/8"	6	71580		
R/L	180 (0.24)	5.5 (11.6)	0.68 (1.50)	3/8"-24 UNF-2A	G 1/8"	6	41437	Operated by external control valve not supplied by Bosch. Max. axial load of motor shaft $F_{ax} = 400$ N Max. radial load of motor shaft $F_{ra} = 16$ N Motors ...346 and ...348 have extended shaft	Barbed hose nipple G 1/8" Silencer G 1/4"
R/L	180 (0.24)	5.5 (11.6)	0.68 (1.50)	3/8"-24 UNF-2A	G 1/8"	6	43748		
R/L	180 (0.24)	5.5 (11.6)	0.60 (1.32)	3/8"-24 UNF-2A	G 1/8"	6	48382		
R/L	180 (0.24)	5.5 (11.6)	0.68 (1.50)	3/8"-24 UNF-2A	G 1/8"	6	41655		
R/L	180 (0.24)	5.5 (11.6)	0.60 (1.32)	3/8"-24 UNF-2A	G 1/8"	6	55869		
R/L	180 (0.24)	5.5 (11.6)	0.68 (1.50)	Cyl. shaft dia. 10 h 6	G 1/8"	6	46075		
R/L	180 (0.24)	5.5 (11.6)	0.60 (1.32)	Cyl. shaft dia. 10 h 6	G 1/8"	6	41746		
R	180 (0.24)	5.0 (10.6)	0.68 (1.50)	3/8"-24 UNF-2A	G 1/8"	6	87354		
R	180 (0.24)	5.0 (10.6)	0.68 (1.50)	3/8"-24 UNF-2A	G 1/8"	6	89544		
R	180 (0.24)	5.0 (10.6)	0.60 (1.32)	3/8"-24 UNF-2A	G 1/8"	6	41407		
R	180 (0.24)	5.0 (10.6)	0.60 (1.32)	3/8"-24 UNF-2A	G 1/8"	6	43841		
R	180 (0.24)	5.0 (10.6)	0.60 (1.32)	3/8"-24 UNF-2A	G 1/8"	6	53529		

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 300 to 370 watts

Motor 300/340/370 watts



Motor 340/370 watts



Part number	Stall torque in Nm (ft/lbs)	No-load speed (rpm)
0 607 951 304	25.0 (18.4)	490
0 607 951 305	15.0 (11.1)	780
0 607 951 306	9.0 (6.6)	1400
0 607 951 307	4.5 (3.3)	2700
0 607 951 300	25.0 (18.4)	600
0 607 951 301	15.0 (11.1)	930
0 607 951 302	9.0 (6.6)	1620
0 607 951 303	4.5 (3.3)	3330
0 607 951 322	22.0 (16.2)	540
0 607 951 314	25.0 (18.4)	490
0 607 951 315	15.0 (11.1)	780
0 607 951 316	9.0 (6.6)	1400
0 607 951 311	25.0 (18.4)	600
0 607 951 312	15.0 (11.1)	930
0 607 951 313	9.0 (6.6)	1620

Rotation	Power output in watts (hp)	Air consumption under load l/s (cfm)	Weight in kg (lbs)	Spindle dimensions	Air inlet thread	Hose inner diameter (mm)	Operating curve	Comments	Included accessories
R/L	340 (0.46)	10.5 (22.2)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	130695	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	340 (0.46)	10.5 (22.2)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	146107		
R/L	340 (0.46)	10.5 (22.2)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	60628		
R/L	340 (0.46)	10.5 (22.2)	0.80 (1.76)	3/8"-24 UNF-2A	G 1/8"	8	102389		
R	370 (0.5)	9.0 (19.1)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	114435		
R	370 (0.5)	9.0 (19.1)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	120664		
R	370 (0.5)	9.0 (19.1)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	108461		
R	370 (0.5)	9.0 (19.1)	0.80 (1.76)	3/8"-24 UNF-2A	G 1/8"	8	123762		
R	370 (0.5)	9.0 (19.1)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	105449		
R	370 (0.5)	9.0 (19.1)	0.90 (1.98)	3/8"-24 UNF-2A	G 1/8"	8	105449		
R/L	340 (0.46)	10.5 (22.2)	0.87 (1.92)	3/8" □	G 1/8"	8	130695	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	340 (0.46)	10.5 (22.2)	0.87 (1.92)	3/8" □	G 1/8"	8	146107		
R/L	340 (0.46)	10.5 (22.2)	0.87 (1.92)	3/8" □	G 1/8"	8	60628		
R	370 (0.5)	9.0 (19.1)	0.87 (1.92)	3/8" □	G 1/8"	8	102389		
R	370 (0.5)	9.0 (19.1)	0.87 (1.92)	3/8" □	G 1/8"	8	114435		
R	370 (0.5)	9.0 (19.1)	0.87 (1.92)	3/8" □	G 1/8"	8	120664		

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