

BOSCH PRODUCTION AIR MOTORS



POWERFUL EFFICIENCY AND RUGGED DURABILITY.










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BOSCH
Production Tools



Air Motors






from 100 to 370 W (0.134 to 0.5 Hp)

	Tool part number	Stalling torque (Nm/lb-ft)	Idle speed (rpm)	Rotation (R = right, L = left)	Power output (watts/horsepower)
 100–120 Watt, 0.13–0.16 Hp Motors	0 607 954 306	2.0/1.5	1850	R/L	100/0.134
	0 607 954 307	0.9/0.7	4100	R/L	100/0.134
	0 607 954 304	2.1/1.5	2200	R	120/0.16
	0 607 954 305	1.0/0.7	4900	R	120/0.16
  180 Watt, 1/4 Hp Motors	0 607 953 335	6.5/4.8	620	R/L	180/0.24
	0 607 953 336	4.5/3.3	1000	R/L	180/0.24
	0 607 953 337	3.0/2.0	1600	R/L	180/0.24
	0 607 953 338	1.5/1.1	2800	R/L	180/0.24
	0 607 953 340	1.0/0.7	3800	R/L	180/0.24
	0 607 953 331	7.7/5.7	740	R	180/0.24
	0 607 953 332	4.7/3.5	1190	R	180/0.24
	0 607 953 333	3.2/2.4	1875	R	180/0.24
	0 607 953 334	1.6/1.2	3300	R	180/0.24
	0 607 953 339	1.1/0.8	4500	R	180/0.24
	0 607 953 346	4.5/3.3	1000	R/L	180/0.24
	0 607 953 348	1.5/1.1	2800	R/L	180/0.24
 300–340 Watt, 0.4–0.46 Hp Motors	0 607 951 322	22.0/16.2	540	R	300/0.4
	0 607 951 304	25.0/18.4	490	R/L	340/0.46
	0 607 951 305	15.0/11.1	780	R/L	340/0.46
	0 607 951 306	9.0/6.6	1400	R/L	340/0.46
	0 607 951 307	4.5/3.3	2700	R/L	340/0.46
 340 Watt, 0.46 Hp Motors	0 607 951 314	25.0/18.4	490	R/L	340/0.46
	0 607 951 315	15.0/11.1	780	R/L	340/0.46
	0 607 951 316	9.0/6.6	1400	R/L	340/0.46
 340 Watt, 0.46 Hp Motors	0 607 951 318	25.0/18.4	490	R/L	340/0.46
	0 607 951 325	25.0/18.4	490	R/L	340/0.46
	0 607 951 326	9.0/6.6	1400	R/L	340/0.46
 340 Watt, 0.46 Hp Motors	0 607 951 323	25.0/18.4	490	R/L	340/0.46

Air consumption under load (l/s)	Air consumption under load (cfm)	Weight (kg/lbs)	Spindle dimensions	Air inlet thread	Inner hose diameter (mm)	Features	Included accessories	Accessory Part numbers
5.0	10.6	0.37/0.82	3/8"-24 UNF-2A	G 1/8"	6	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 250$ N Max. radial load on motor shaft $F_{RA} = 10$ N	Barbed hose nipple	3 603 386 002
5.0	10.6	0.32/0.71	3/8"-24 UNF-2A	G 1/8"	6		Silencer G 1/4"	3 607 000 016
4.5	9.5	0.37/0.82	3/8"-24 UNF-2A	G 1/8"	6			
4.5	9.5	0.32/0.71	3/8"-24 UNF-2A	G 1/8"	6			
5.5	11.6	0.68/1.50	3/8"-24 UNF-2A	G 1/8"	6	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 400$ N Max. radial load on motor shaft $F_{RA} = 16$ N	Barbed hose nipple	3 603 386 002
5.5	11.6	0.68/1.50	3/8"-24 UNF-2A	G 1/8"	6		Silencer G 1/4"	3 607 000 016
5.5	11.6	0.60/1.32	3/8"-24 UNF-2A	G 1/8"	6			
5.5	11.6	0.68/1.50	3/8"-24 UNF-2A	G 1/8"	6			
5.5	11.6	0.60/1.32	3/8"-24 UNF-2A	G 1/8"	6			
5.0	10.6	0.68/1.50	3/8"-24 UNF-2A	G 1/8"	6			
5.0	10.6	0.68/1.50	3/8"-24 UNF-2A	G 1/8"	6			
5.0	10.6	0.60/1.32	3/8"-24 UNF-2A	G 1/8"	6			
5.0	10.6	0.60/1.32	3/8"-24 UNF-2A	G 1/8"	6			
5.0	10.6	0.60/1.32	3/8"-24 UNF-2A	G 1/8"	6			
5.5	11.6	0.68/1.50	10-h6 spindle	G 1/8"	6	Motors ...346 and ...348 have extended shaft (see photo on left)		
5.5	11.6	0.60/1.32	10-h6 spindle	G 1/8"	6			
9.0	19.1	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 850$ N Max. radial load on motor shaft $F_{RA} = 34$ N Motor 0 607 951 322 features a pressurized rotor & vanes (inlet air pressure forces the vanes outward) for improved starts under load	Barbed hose nipple	3 603 386 005
10.5	22.2	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8		Silencer G 3/8"	3 607 000 001
10.5	22.2	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8			
10.5	22.2	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8			
10.5	22.2	0.80/1.76	3/8"-24 UNF-2A	G 1/8"	8			
10.5	22.2	0.87/1.92	3/8" Square	G 1/8"	8	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 850$ N Max. radial load on motor shaft $F_{RA} = 34$ N	Barbed hose nipple	3 603 386 005
10.5	22.2	0.87/1.92	3/8" Square	G 1/8"	8		Silencer G 3/8"	3 607 000 001
10.5	22.2	0.87/1.92	3/8" Square	G 1/8"	8			
10.5	22.2	0.90/1.98	10-h6 spindle	G 1/8"	8	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 850$ N Max. radial load on motor shaft $F_{RA} = 34$ N	Barbed hose nipple	3 603 386 005
10.5	22.2	0.90/1.98	12-h6 spindle	G 1/8"	8		Silencer G 3/8"	3 607 000 001
10.5	22.2	0.90/1.98	12-h6 spindle	G 1/8"	8			
						Motors ...318, 325, 326 have extended shaft (see photo on left)		
10.5	22.2	0.98/2.16	3/8" Square with sliding spindle (10 mm stroke)	G 1/8"	8	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 850$ N Max. radial load on motor shaft $F_{RA} = 34$ N	Barbed hose nipple	3 603 386 005
							Silencer G 3/8"	3 607 000 001

Air Motors

from 340 to 740 W (0.46 to 1Hp)

	Tool part number	Stalling torque (Nm/lb-ft)	Idle speed (rpm)	Rotation (R = right, L = left)	Power output (watt/horsepower)
 370 Watt, 0.5 Hp Motors	0 607 951 300	25.0/18.4	600	R	370/0.5
	0 607 951 301	15.0/11.1	930	R	370/0.5
	0 607 951 302	9.0/6.6	1620	R	370/0.5
	0 607 951 303	4.5/3.3	3300	R	370/0.5
	0 607 951 311	25.0/18.4	600	R	370/0.5
	0 607 951 312	15.0/11.1	930	R	370/0.5
	0 607 951 313	9.0/6.6	1620	R	370/0.5
 550 Watt, 0.74 Hp Motors	0 607 952 303	28.0/20.7	650	R/L	500/0.54
	0 607 952 304	15.5/11.4	1150	R/L	500/0.54
	0 607 952 305	6.5/4.8	2700	R/L	500/0.54
	0 607 952 300	28.0/20.7	760	R	550/0.74
	0 607 952 301	15.5/11.4	1350	R	550/0.74
	0 607 952 302	6.5/4.8	3000	R	550/0.74
	 620 Watt, 0.83 Hp Motors	0 607 957 301	36.0/26.6	610	R/L
0 607 957 308		90.0/66.4	250	R/L	620/0.83
0 607 957 309		65.0/47.9	340	R/L	620/0.83
0 607 957 310		36.0/26.6	610	R/L	620/0.83
0 607 957 315		36.0/26.6	610	R/L	620/0.83
 740 Watt, 1.0 Hp Motors		0 607 957 300	36.0/26.6	720	R
 740 Watt, 1.0 Hp Motors	0 607 957 314	170.0/125.4	140	R	740/1.0
	0 607 957 305	90.0/66.4	290	R	740/1.0
	0 607 957 306	65.0/47.9	400	R	740/1.0
	0 607 957 307	36.0/26.6	720	R	740/1.0

Air consumption under load (l/s)	Air consumption under load (cfm)	Weight (kg/lbs)	Spindle dimensions	Air inlet thread	Inner hose diameter (mm)	Features	Included accessories	Accessory Part numbers
9.0	19.1	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 850$ N Max. radial load on motor shaft $F_{RA} = 34$ N	Barbed hose nipple	3 603 386 005
9.0	19.1	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8		Silencer G 3/8"	3 607 000 001
9.0	19.1	0.90/1.98	3/8"-24 UNF-2A	G 1/8"	8			
9.0	19.1	0.80/1.76	3/8"-24 UNF-2A	G 1/8"	8			
9.0	19.1	0.87/1.92	3/8" Square	G 1/8"	8			
9.0	19.1	0.87/1.92	3/8" Square	G 1/8"	8			
9.0	19.1	0.87/1.92	3/8" Square	G 1/8"	8			
13.5	28.6	1.40/3.09	1/2"-20 UNF-2A	G 1/4"	10	Operated by external control valve not supplied by Bosch. Motor exhausts through the unused air inlet (if motor rotates right, exhaust comes out the left port) Max. axial load on motor shaft $F_{AX} = 1250$ N Max. radial load on motor shaft $F_{RA} = 50$ N	Barbed hose nipple	3 603 386 000
13.5	28.6	1.40/3.09	1/2"-20 UNF-2A	G 1/4"	10		Silencer G 1/2"	3 607 000 000
13.5	28.6	1.20/2.65	1/2"-20 UNF-2A	G 1/4"	10			
12.0	25.4	1.40/3.09	1/2"-20 UNF-2A	G 1/4"	10			
12.0	25.4	1.40/3.09	1/2"-20 UNF-2A	G 1/4"	10			
12.0	25.4	1.20/2.65	1/2"-20 UNF-2A	G 1/4"	10			
17.5	37.0	1.32/2.91	1/2"-20 UNF-2A	G 1/4"	10	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 1550$ N Max. radial load on motor shaft $F_{RA} = 62$ N	Barbed hose nipple	3 603 386 000
17.5	37.0	2.10/4.63	1/2" Square	G 1/4"	10		Silencer G 1/2"	3 607 000 000
17.5	37.0	1.70/3.75	1/2" Square	G 1/4"	10			
17.5	37.0	1.70/3.75	1/2" Square	G 1/4"	10			
17.5	37.0	1.70/3.75	Cyl. shaft dia. 12 j 6	G 1/4"	10			
16.0	33.9	1.32/2.91	1/2"-20 UNF-2A	G 1/4"	10	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 1550$ N Max. radial load on motor shaft $F_{RA} = 62$ N	Barbed hose nipple	3 603 386 000
							Silencer G 1/2"	3 607 000 000
16.0	33.9	2.10/4.63	1/2" Square	G 1/4"	10	Operated by external control valve not supplied by Bosch. Max. axial load on motor shaft $F_{AX} = 1550$ N Max. radial load on motor shaft $F_{RA} = 62$ N	Barbed hose nipple	3 603 386 000
16.0	33.9	2.10/4.63	1/2" Square	G 1/4"	10		Silencer G 1/2"	3 607 000 000
16.0	33.9	1.70/3.75	1/2" Square	G 1/4"	10			
16.0	33.9	1.70/3.75	1/2" Square	G 1/4"	10			