

Air Motors

For T-101b, T-101XL, TD-12, 904, 904XL Sizes 1/2" Through 6"



T.D. Williamson, Inc.

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■ Pistol Grip Air Motor



■ Right Angle Air Motor

Description

T.D. Williamson, Inc.'s Air Motors are efficient tools for operating TDW drilling machines. The Air Motors are designed for horizontal and vertical installation. These machines are designed to allow safe taps to be made in piping systems while under pressure.

High torque, PISTOL GRIP Air Motor with 1/2-inch male square drive head with ball detent attachment oiler.

Powerful, high torque, RIGHT ANGLE Air Motor with 1/2-inch male square drive head with ball detent attachment. Needle valve included for air supply regulation.

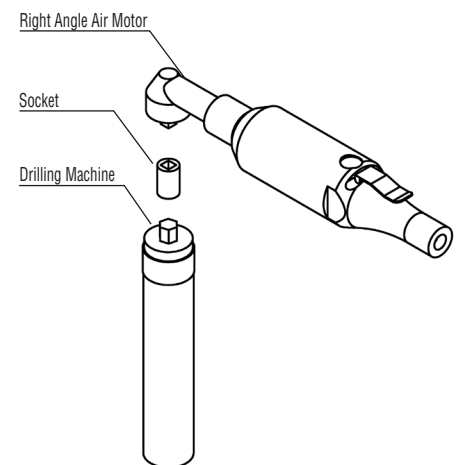
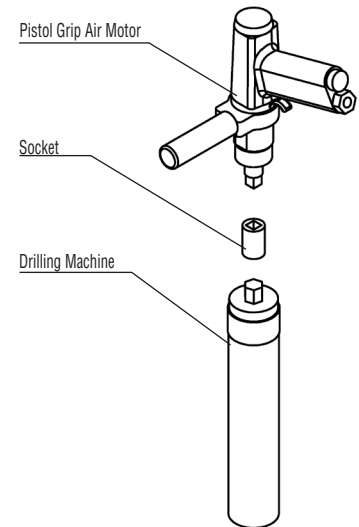
Features

The PISTOL GRIP Air Motor includes an auxiliary handle, which can be rotated 360 degrees. Also, these hand-held drills have an automatic oiler and a safety button for locking in the off position.

The RIGHT ANGLE Air Motor includes an air supply regulator to adjust revolutions per minute (RPM). It also includes a reversible direction, spring-loaded trigger for immediate release and stopping of Air Motor.

Caution: Improper use of Air Motors may result in Operator injury. Consult operating instructions before using your equipment.

Typical Setup



ISO 9001 Certified

Toll Free
1-888-TDWmSon (839-6766)



Air Motors

Operating Specifications

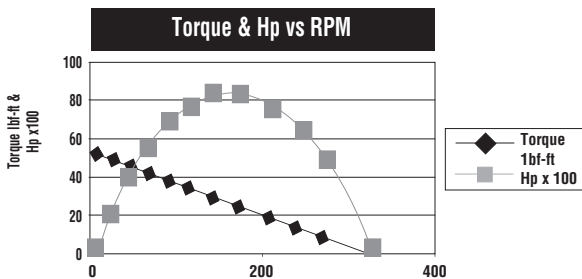
	Pistol Grip Motor	Right Angle Motor
Torque @ 0RPM	--	82 ft/lbs
Max RPM	325	300
Recommended RPM		
Size	RPM	RPM
1-1/4, 1-1/2, 2 inches	195	195
3-inches	120	120
4-inches	100	100
6-inches	80	80
Drills - all sizes	195	195
Hose Diameter*	5/16-inches for max of 25 feet	

* The pressure required is at motor inlet, not the hose inlet. For a given compressor a larger size may be required. The hose ID should increase 1/8 inch for every additional 25 feet at a maximum of 75 feet.

Air Motors and Sockets

Item	Lb.	Kg.	Part Number
Pistol Grip Air Motor	6	3	00-1508-0001-00
Right Angle Air Motor	8	4	05-2160-0000-00
1/2" Socket (TD12)			00-1509-0002-00
3/4" Socket (T-101, 904)			00-1509-0004-00

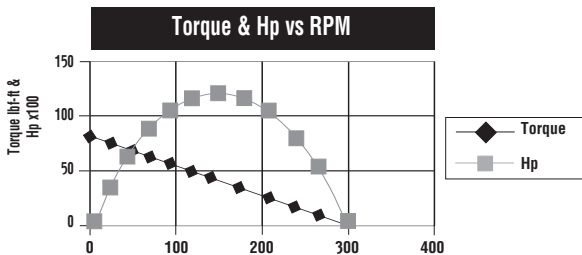
Pistol Grip Air Motor



RPM	Torque lbf-ft	Hp x 100
300	0.00	0.000
265	9.97	50.30
240	14.12	64.54
210	19.11	76.40
180	24.09	82.57
150	29.8	83.05
120	34.06	77.83
95	38.22	69.13
70	42.37	56.47
45	46.52	39.86
20	50.68	19.30
0	54.00	0.000

Note: These charts assume a 90 psi inlet pressure with a flow of 32 CFM

Right Angle Air Motor



RPM	Torque lbf-ft	HpX100
300	0.00	0.000
265	9.92	50.04
240	17.00	77.68
210	25.50	101.96
180	34.00	116.53
150	42.50	121.38
120	51.00	116.53
95	58.08	105.06
70	65.17	86.86
45	72.25	61.90
20	79.33	30.21
0	85.00	0.000

Note: These charts assume a 90 psi inlet pressure with a flow of 32 CFM