

22M5540-60

Single Reduction Rotary Vane Power Motor



For additional product information visit our website at http://www.apextoolgroup.com

Cleco®

Product Information

The original language of this manual is English.

Product Safety Information:

Intended Use:

This pneumatic motor is to be used exclusively as a power source to be integrated into an application.

For additional product safety information refer to Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG document CE-2005, General Safety Instructions for Air Motors



The motor must not be modified in any manner unless approved in writing by Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG. All safety devices must be properly installed and maintained in good working order.

Declaration of Incorporation:

We affirm that this machine complies with the basic requirements of the following directives (2006/42/EC) and is intended for installation / assembly in a / with other machine(s). Commissioning of the incomplete machine is prohibited until such time that the incomplete machine has been incorporated in a machine that complies with the EC Machinery Directive 2006/42/EC and for which there is an EC Declaration of Conformity in accordance with Appendix II A. We furthermore declare that the special technical documention for the incomplete machine is in accordance with Appendix VII Part B. We undertake to have it passed on to the market surveillance body upon request by our representative for the compilation of technical documentation. The following Sections of Appendix I of Directive 2006/42/EC have been fulfilled: 1.1.2, 1.1.3, 1.1.5, 1.3.2, 1.3.4, 1.5. Applied harmonized standards are ISO 12100-1: 2004-04, ISO 12100-2:2004-04.

The name, job function and address of the person authorized to compile the technical file.

Mr. Vishnu Irigireddy Director of Global R&D- Mechanical Engineering **Apex Tool Group** 670 Industrial Drive Lexington, SC 29072

Signature: Vishnu Irigireddy Date: November 23, 2015

I. V. Wishnu Vardhan

Air Line Lubrication:

Use Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG's lightweight air tool oil 500021 (available in quantities shown in the following chart) or an SAE-5 lightweight spindle oil.

Part No.	Packaged	Designation	
540397	1 Quart (0.94 liter)	Airlube 10W/NR-420LB DR	
533485	1 US Gallon (3.78 liter)	Airlube 10W/NR-420LB DR	

Recommended Grease:

Part No.	Packaged	Designation		
A123771	16 oz. (0.45 kg)	Shell Alvania® EP 00		
540450	16 oz. (0.45 kg)	Chevron Black Pearl® EP NLGI		

Air Supply Line:

Parameter	Description
	Air inlet: 1/4" (6,4 mm)
Air Hose	5/16" I.D. Air Hose: Maximum length run of 10.0' (3 m)
	3/8" I.D. Air Hose: Runs over 10.0' (3 m)
Working	60 to 100 psi (414 to 689 kPa)
pressure range	Recommended: 90 psi (620 kPa)
Compressed air	Air quality according to ISO 8573-1, quality class 2.4.3
Compressed air	The compressed air must be clean and dry.

Service and Repair:

Tool service and repair should be performed by an authorized Apex Tool Group, LLC or Apex Tool Group GmbH & Co. OHG Center. Refer to the last page of this manual for locations.

Disposal:



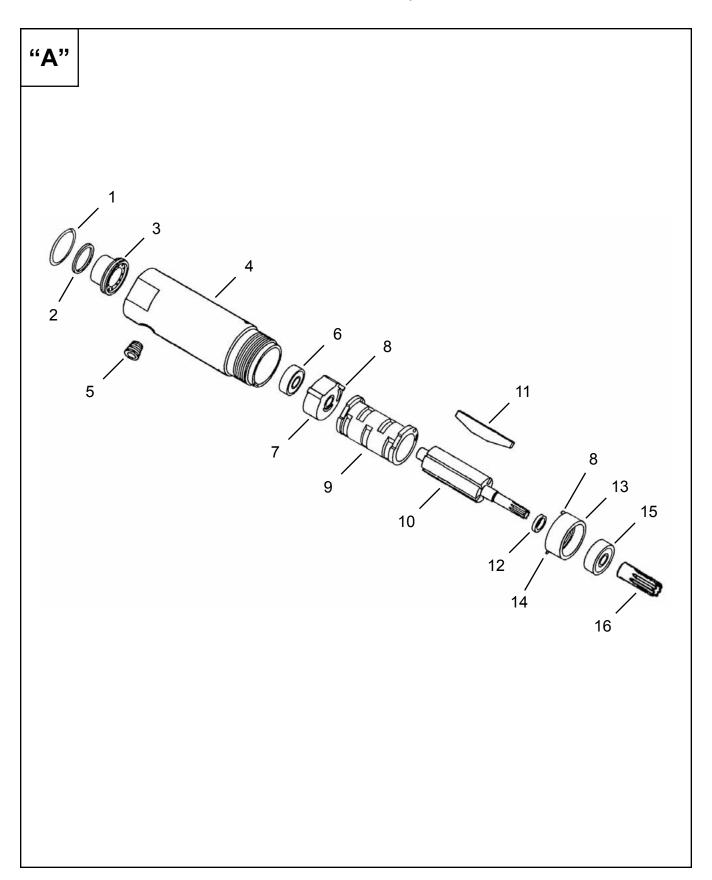
Observe local disposal guidelines for all components of this tool and its packaging.

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1-800-353-4676

Cleco® Motor Assembly



Cleco®Motor Assembly

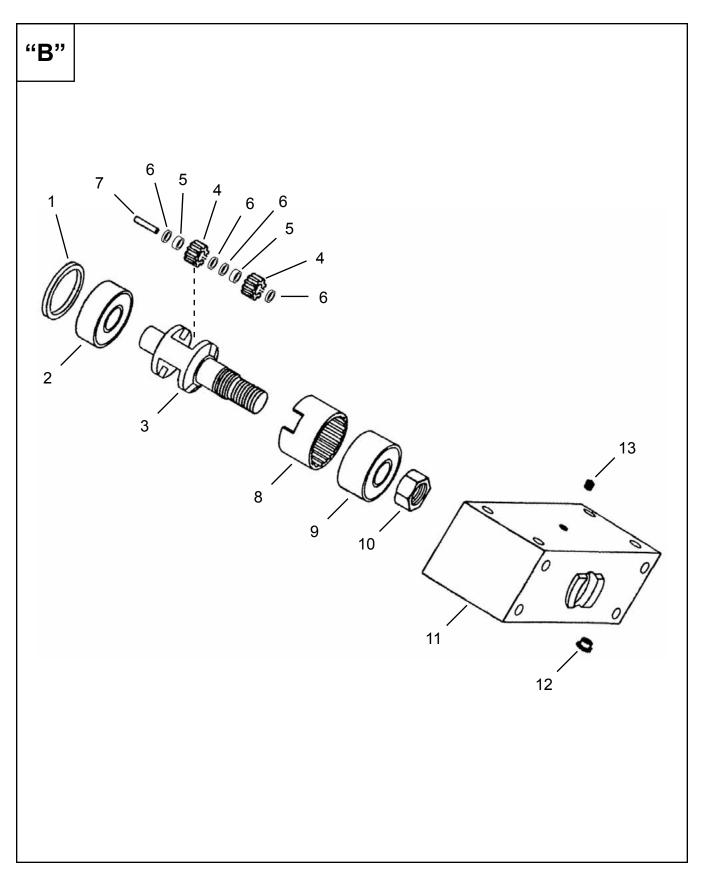
Illustration "A": Motor Assembly

Ref	Number	#	x	EN
IVE	Number	π	^	Description
1	2690PT	1	3	Retaining Ring
2	1838PT	1	3	O-Ring
3	2685	1	1	Muffler
4	2870	1		Motor Housing
5	2957	1	2	Pipe Plug (1/4-18 NPTF)
6	538PT	1	2	Ball Bearing
7	02-7013	1		Rear Bearing Plate (includes 1 Ref. 8)
8	1041	2	4	Locating Pin
9	2255PT	1		Cylinder
10	7654S	1		Rotor
11	2253PT	4	8	Rotor Blade
12	2017PT	1		Rotor Spacer
13	2959	1		Front Bearing Plate (includes 1 Ref. 8 and Ref. 14)
14	2964	1	2	Locating Pin
15	500PT	1	2	Ball Bearing
16	02-7562	1	2	Sun Gear

^(#) Quantity

⁽X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

Cleco®Gearing Assembly



Cleco®Gearing Assembly

Illustration "B": Gearing Assembly

Ref	Number	#	х	EN
				Description
1	2022PT	1		Bearing Spacer
2	503PT	1	2	Ball Bearing
3	7819PT	1		Planetary Gear Carrier (1/2"-20 Threaded Spindle: Termination -60)
4	7623	4	8	Planetary Gear (includes Ref. 5 and 2 Ref. 6)
5	7610PT	4	8	Planetary Gear Bearing
6	7611	8	16	Planetary Gear Bearing Retainer
7	2509PT	2	4	Planetary Gear Shaft
8	2533PT	1		Ring Gear
9	557	1	2	Ball Bearing (Double)
10	2958	1	1	Lock Nut
11	2819PT	1		Planetary Gear Housing (includes Ref. 12)
12	1664	1	2	Grease Fitting
13	2831	1	2	Set Screw
14	14-0812	1	2	Wrench (3/4") (not shown)

^(#) Quantity

⁽X) Recommended Spare Parts (quantity shown based on 1-5 tools in operation)

POWER TOOLS SALES & SERVICE CENTERS

Please note that all locations may not service all products.

Contact the nearest Apex Tool Group Sales & Service Center for the appropriate facility to handle your service requirements.

NORTH AMERICA | SOUTH AMERICA

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