

Radial piston air motors P1V-P

P1V-P is a range of air motors using the radial piston principle. Radial piston motors can operate at a low speed while delivering high torque. The low speed keeps the noise level to a minimum, making this type of motor suitable for all applications that are subject to stringent noise level requirements.



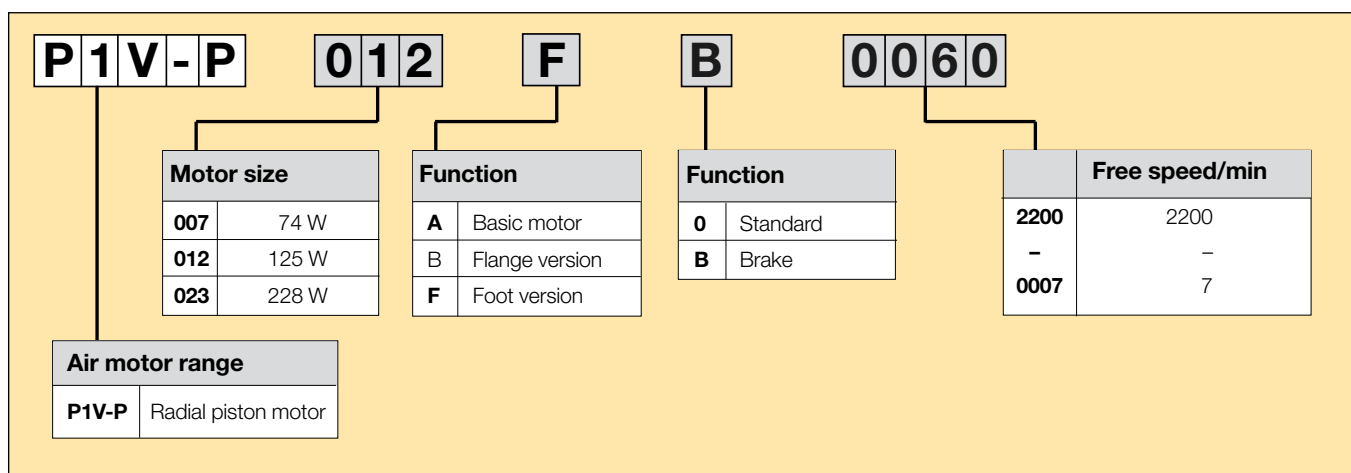
- Three basic motors with 73.5, 125 and 228 watt power at 5 bar supply pressure
- Various gearboxes are available for these motors, to provide the right speed and torque for every application
- Equipped with a spring-loaded braking unit
- The medium used by the P1V-P is oil mist. This makes the motors unique in that they require no servicing at all.

Operating information

Working pressure:	Max 6 bar
Temperature range:	-10°C to +70°C
Medium	Oil mist, dry compressed air purity class 3.4.4 according to ISO8573-1
Gearboxes	Grease lubricated

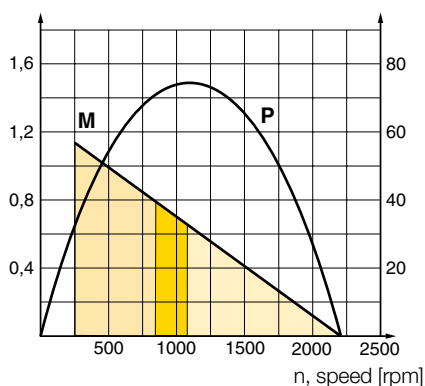
For more information see www.parker.com/euro_pneumatic

Order key



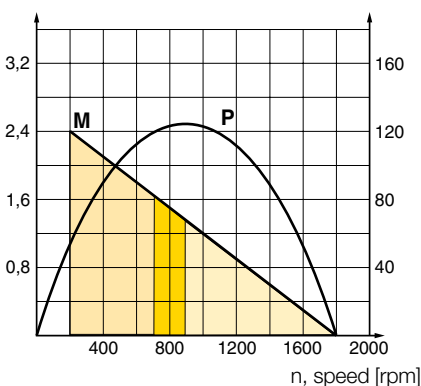
P1V-P007**2200

M, torque [Nm] P, power [W]



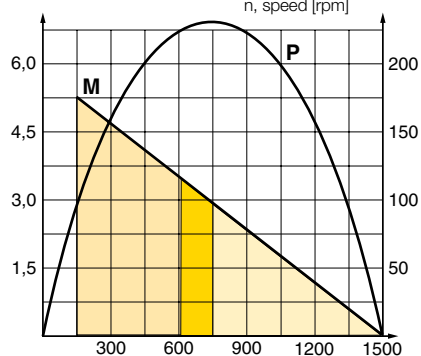
P1V-P012**1800

M, torque [Nm] P, power [W]



P1V-P023**1500

M, torque [Nm] P, power [W] n, speed [rpm]



Possible working range of motor.

Optimum working range of motor.

Working range with shorter service life.

Note! All technical data is based on a working pressure of 5 bar.



Data for reversible basic motor

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,0735	1100	0,637	0,686	1,18	-	3,34	G1/4	6	1,45	P1V-P007A02200
0,125	900	1,37	1,96	2,94	-	4,34	G1/4	10	2,5	P1V-P012A01800
0,228	750	2,94	4,71	5,88	-	6,67	G3/8	10	4,6	P1V-P023A01500

Data for reversible basic motor with flange

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,0735	1100	0,637	0,686	1,18	-	3,34	G1/4	6	1,45	P1V-P007B02200
0,125	900	1,37	1,96	2,94	-	4,34	G1/4	10	2,5	P1V-P012B01800
0,228	750	2,94	4,71	5,88	-	6,67	G3/8	10	4,6	P1V-P023B01500

Data for reversible basic motor with foot

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,0735	1100	0,637	0,686	1,18	-	3,34	G1/4	6	1,45	P1V-P007F02200
0,125	900	1,37	1,96	2,94	-	4,34	G1/4	10	2,5	P1V-P012F01800
0,228	750	2,94	4,71	5,88	-	6,67	G3/8	10	4,6	P1V-P023F01500

Note! All technical data is based on a working pressure of 5 bar.



Data for reversible basic motor with brake

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,125	900	1,37	1,96	2,94	3,24	4,34	G1/4	10	4,4	P1V-P012AB1800
0,228	750	2,94	4,71	5,88	6,47	6,67	G3/8	10	7,8	P1V-P023AB1500

Data for reversible basic motor with brake and flange

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,125	900	1,37	1,96	2,94	3,24	4,34	G1/4	10	4,4	P1V-P012BB1800
0,228	750	2,94	4,71	5,88	6,47	6,67	G3/8	10	7,8	P1V-P023BB1500

Data for reversible basic motor with brake and foot

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,125	900	1,37	1,96	2,94	3,24	4,34	G1/4	10	5,2	P1V-P012FB1800
0,228	750	2,94	4,71	5,88	6,47	6,67	G3/8	10	9,4	P1V-P023FB1500

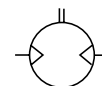
**Note! All technical data is based
on a working pressure of 5 bar.**



Data for reversible motor with gearbox and flange

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,0662	220	2,84	2,94	4,90	-	3,34	G1/4	6	4,0	P1V-P007B00440
0,0662	110	5,69	5,88	9,81	-	3,34	G1/4	6	4,0	P1V-P007B00220
0,0662	73,3	8,53	8,83	15,7	-	3,34	G1/4	6	4,0	P1V-P007B00147
0,0662	55	11,5	11,8	20,6	-	3,34	G1/4	6	4,0	P1V-P007B00110
0,110	180	5,88	8,83	12,7	-	4,34	G1/4	10	6,7	P1V-P012B00360
0,110	90	11,8	17,7	26,5	-	4,34	G1/4	10	6,7	P1V-P012B00180
0,110	60	17,7	26,5	39,2	-	4,34	G1/4	10	6,7	P1V-P012B00120
0,110	45	23,5	35,3	53,0	-	4,34	G1/4	10	6,7	P1V-P012B00090
0,110	30	35,3	53,0	78,5	-	4,34	G1/4	10	8,7	P1V-P012B00060
0,110	22,5	47,1	70,6	106	-	4,34	G1/4	10	8,7	P1V-P012B00050
0,110	18	58,8	79,4	132	-	4,34	G1/4	10	8,7	P1V-P012B00040
0,110	15	70,6	106	157	-	4,34	G1/4	10	8,7	P1V-P012B00030
0,110	11,2	93,2	139	206	-	4,34	G1/4	10	8,7	P1V-P012B00022
0,103	9	118	175	250	-	4,34	G1/4	10	11,7	P1V-P012B00018
0,103	7,5	137	206	300	-	4,34	G1/4	10	11,7	P1V-P012B00015
0,103	5,6	176	261	373	-	4,34	G1/4	10	11,7	P1V-P012B00012
0,103	4,5	233	350	500	-	4,34	G1/4	10	11,7	P1V-P012B00009
0,199	150	12,7	20,6	26,5	-	6,67	G3/8	10	10,5	P1V-P023B00300
0,199	75	26,5	41,2	53,0	-	6,67	G3/8	10	10,5	P1V-P023B00150
0,199	50	39,2	61,8	79,4	-	6,67	G3/8	10	10,5	P1V-P023B00100
0,199	37,5	53,0	82,4	106	-	6,67	G3/8	10	10,5	P1V-P023B00075
0,199	25	78,5	124	159	-	6,67	G3/8	10	14,0	P1V-P023B00050
0,199	18,7	106	165	212	-	6,67	G3/8	10	14,0	P1V-P023B00038
0,199	15	132	206	265	-	6,67	G3/8	10	14,0	P1V-P023B00030
0,199	12,5	157	247	318	-	6,67	G3/8	10	14,0	P1V-P023B00025
0,199	9,3	203	314	402	-	6,67	G3/8	10	14,0	P1V-P023B00018
0,191	7,5	250	392	490	-	6,67	G3/8	10	20,5	P1V-P023B00015
0,191	6,2	300	471	598	-	6,67	G3/8	10	20,5	P1V-P023B00012
0,191	4,6	396	628	785	-	6,67	G3/8	10	20,5	P1V-P023B00009
0,191	3,7	500	785	981	-	6,67	G3/8	10	20,5	P1V-P023B00007

Note! All technical data is based
on a working pressure of 5 bar.



Data for reversible motor with gearbox and foot

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,0662	220	2,84	2,94	4,90	-	3,34	G1/4	6	3,5	P1V-P007F00440
0,0662	110	5,69	5,88	9,81	-	3,34	G1/4	6	4,0	P1V-P007F00220
0,0662	73,3	8,53	8,83	15,7	-	3,34	G1/4	6	3,5	P1V-P007F00147
0,0662	55	11,5	11,8	20,6	-	3,34	G1/4	6	3,5	P1V-P007F00110
0,110	180	5,88	8,83	12,7	-	4,34	G1/4	10	6,2	P1V-P012F00360
0,110	90	11,8	17,7	26,5	-	4,34	G1/4	10	6,2	P1V-P012F00180
0,110	60	17,7	26,5	39,2	-	4,34	G1/4	10	6,2	P1V-P012F00120
0,110	45	23,5	35,3	53,0	-	4,34	G1/4	10	6,2	P1V-P012F00090
0,110	30	35,3	53,0	78,5	-	4,34	G1/4	10	8,2	P1V-P012F00060
0,110	22,5	47,1	70,6	106	-	4,34	G1/4	10	8,2	P1V-P012F00050
0,110	18	58,8	79,4	132	-	4,34	G1/4	10	8,2	P1V-P012F00040
0,110	15	70,6	106	157	-	4,34	G1/4	10	8,2	P1V-P012F00030
0,110	11,2	93,2	139	206	-	4,34	G1/4	10	8,2	P1V-P012F00022
0,103	9	118	175	250	-	4,34	G1/4	10	11,2	P1V-P012F00018
0,103	7,5	137	206	300	-	4,34	G1/4	10	11,2	P1V-P012F00015
0,103	5,6	176	261	373	-	4,34	G1/4	10	11,2	P1V-P012F00012
0,103	4,5	233	350	500	-	4,34	G1/4	10	11,2	P1V-P012F00009
0,199	150	12,7	20,6	26,5	-	6,67	G3/8	10	10,0	P1V-P023F00300
0,199	75	26,5	41,2	53,0	-	6,67	G3/8	10	10,0	P1V-P023F00150
0,199	50	39,2	61,8	79,4	-	6,67	G3/8	10	10,0	P1V-P023F00100
0,199	37,5	53,0	82,4	106	-	6,67	G3/8	10	10,0	P1V-P023F00075
0,199	25	78,5	124	159	-	6,67	G3/8	10	13,5	P1V-P023F00050
0,199	18,7	106	165	212	-	6,67	G3/8	10	13,5	P1V-P023F00038
0,199	15	132	206	265	-	6,67	G3/8	10	13,5	P1V-P023F00030
0,199	12,5	157	247	318	-	6,67	G3/8	10	13,5	P1V-P023F00025
0,199	9,3	203	314	402	-	6,67	G3/8	10	13,5	P1V-P023F00018
0,191	7,5	250	392	490	-	6,67	G3/8	10	20,0	P1V-P023F00015
0,191	6,2	300	471	598	-	6,67	G3/8	10	20,0	P1V-P023F00012
0,191	4,6	396	628	785	-	6,67	G3/8	10	20,0	P1V-P023F00009
0,191	3,7	500	785	981	-	6,67	G3/8	10	20,0	P1V-P023F00007

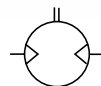
Note! All technical data is based
on a working pressure of 5 bar.



Data for reversible motor with gearbox, brake and flange

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,110	180	5,88	8,83	12,7	14,7	4,34	G1/4	10	8,0	P1V-P012BB0360
0,110	90	11,8	17,7	26,5	29,4	4,34	G1/4	10	8,0	P1V-P012BB0180
0,110	60	17,7	26,5	39,2	44,1	4,34	G1/4	10	8,0	P1V-P012BB0120
0,110	45	23,5	35,3	53,0	58,8	4,34	G1/4	10	8,0	P1V-P012BB0090
0,110	30	35,3	53,0	78,5	88,3	4,34	G1/4	10	10,0	P1V-P012BB0060
0,110	22,5	47,1	70,6	106	118	4,34	G1/4	10	10,0	P1V-P012BB0050
0,110	18	58,8	79,4	132	147	4,34	G1/4	10	10,0	P1V-P012BB0040
0,110	15	70,6	106	157	177	4,34	G1/4	10	10,0	P1V-P012BB0030
0,110	11,2	93,2	139	206	235	4,34	G1/4	10	10,0	P1V-P012BB0022
0,103	9	118	175	250	283	4,34	G1/4	10	11,7	P1V-P012BB0018
0,103	7,5	137	206	300	339	4,34	G1/4	10	13,0	P1V-P012BB0015
0,103	5,6	176	261	373	453	4,34	G1/4	10	13,0	P1V-P012BB0012
0,103	4,5	233	350	500	567	4,34	G1/4	10	13,0	P1V-P012BB0009
0,199	150	12,7	20,6	26,5	29,4	6,67	G3/8	10	13,5	P1V-P023BB0300
0,199	75	26,5	41,2	53,0	58,8	6,67	G3/8	10	13,5	P1V-P023BB0150
0,199	50	39,2	61,8	79,4	88,3	6,67	G3/8	10	13,5	P1V-P023BB0100
0,199	37,5	53,0	82,4	106	118	6,67	G3/8	10	13,5	P1V-P023BB0075
0,199	25	78,5	124	159	177	6,67	G3/8	10	17,0	P1V-P023BB0050
0,199	18,7	106	165	212	235	6,67	G3/8	10	17,0	P1V-P023BB0038
0,199	15	132	206	265	294	6,67	G3/8	10	17,0	P1V-P023BB0030
0,199	12,5	157	247	318	353	6,67	G3/8	10	17,0	P1V-P023BB0025
0,199	9,3	203	314	402	471	6,67	G3/8	10	17,0	P1V-P023BB0018
0,191	7,5	250	392	490	549	6,67	G3/8	10	24,5	P1V-P023BB0015
0,191	6,2	300	471	598	657	6,67	G3/8	10	24,5	P1V-P023BB0012
0,191	4,6	396	628	785	873	6,67	G3/8	10	24,5	P1V-P023BB0009
0,191	3,7	500	785	981	1100	6,67	G3/8	10	24,5	P1V-P023BB0007

Note! All technical data is based
on a working pressure of 5 bar.



Data for reversible motor with gearbox, brake and foot

Max power kW	Speed at max power rpm	Torque at max power Nm	Min start torque Nm	Stall torque Nm	Brake torque Nm	Air consumption at max power l/s	Conn.	Min pipe ID mm	Weight Kg	Order code
0,110	180	5,88	8,83	12,7	14,7	4,34	G1/4	10	8,5	P1V-P012FB0360
0,110	90	11,8	17,7	26,5	29,4	4,34	G1/4	10	8,5	P1V-P012FB0180
0,110	60	17,7	26,5	39,2	44,1	4,34	G1/4	10	8,5	P1V-P012FB0120
0,110	45	23,5	35,3	53,0	58,8	4,34	G1/4	10	8,5	P1V-P012FB0090
0,110	30	35,3	53,0	78,5	88,3	4,34	G1/4	10	10,5	P1V-P012FB0060
0,110	22,5	47,1	70,6	106	118	4,34	G1/4	10	10,5	P1V-P012FB0050
0,110	18	58,8	79,4	132	147	4,34	G1/4	10	10,5	P1V-P012FB0040
0,110	15	70,6	106	157	177	4,34	G1/4	10	10,5	P1V-P012FB0030
0,110	11,2	93,2	139	206	235	4,34	G1/4	10	10,5	P1V-P012FB0022
0,103	9	118	175	250	283	4,34	G1/4	10	13,5	P1V-P012FB0018
0,103	7,5	137	206	300	339	4,34	G1/4	10	13,5	P1V-P012FB0015
0,103	5,6	176	261	373	453	4,34	G1/4	10	13,5	P1V-P012FB0012
0,103	4,5	233	350	500	567	4,34	G1/4	10	13,5	P1V-P012FB0009
0,199	150	12,7	20,6	26,5	29,4	6,67	G3/8	10	13,0	P1V-P023FB0300
0,199	75	26,5	41,2	53,0	58,8	6,67	G3/8	10	13,0	P1V-P023FB0150
0,199	50	39,2	61,8	79,4	88,3	6,67	G3/8	10	13,0	P1V-P023FB0100
0,199	37,5	53,0	82,4	106	118	6,67	G3/8	10	13,0	P1V-P023FB0075
0,199	25	78,5	124	159	177	6,67	G3/8	10	16,5	P1V-P023FB0050
0,199	18,7	106	165	212	235	6,67	G3/8	10	16,5	P1V-P023FB0038
0,199	15	132	206	265	294	6,67	G3/8	10	16,5	P1V-P023FB0030
0,199	12,5	157	247	318	353	6,67	G3/8	10	16,5	P1V-P023FB0025
0,199	9,3	203	314	402	471	6,67	G3/8	10	16,5	P1V-P023FB0018
0,191	7,5	250	392	490	549	6,67	G3/8	10	24,0	P1V-P023FB0015
0,191	6,2	300	471	598	657	6,67	G3/8	10	24,0	P1V-P023FB0012
0,191	4,6	396	628	785	873	6,67	G3/8	10	24,0	P1V-P023FB0009
0,191	3,7	500	785	981	1100	6,67	G3/8	10	24,0	P1V-P023FB0007