

Model Shown:

PA462, PA464R, PA554

Pumps



**Features**

**ROTARY-STYLE AIR MOTOR. USE WHERE AIR IS THE PREFERRED SOURCE OF ENERGY.**

- 2,2 kW motor starting under full load.
- Two-speed operation for rapid cylinder advance.
- Models available with full remote control over advance and return, (except PA554).
- Tandem center valve holds the load when pump is shut-off.



**Torque Wrench Pumps**

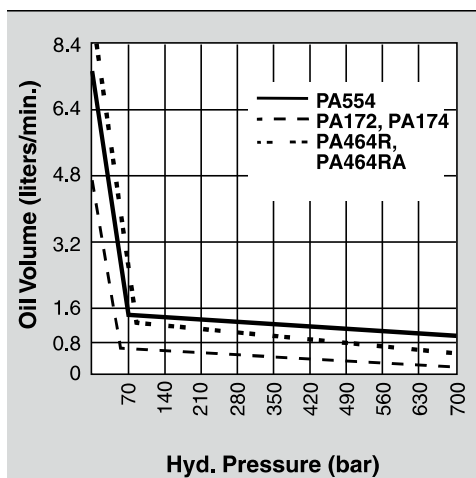


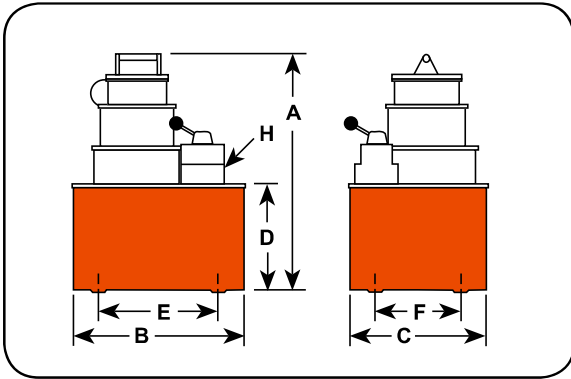
For Torque Wrench Pump Configurations, refer to the Tools Section.

▶ PA554 pump and RH2008 Center Hole cylinder used to tension cables.



**Performance Specifications**





Analog Gauges



Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

9040E (63 mm)  
9052E (100 mm)

► Technical Dimensions

Order No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (in.)	Max. Pressure Output (bar)	Oil Del. (l/min. @) *				
									0 (bar)	7 (bar)	70 (bar)	350 (bar)	700 (bar)
PA462	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464R	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464RA	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA554	483	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	1,3	1,1	0,7

\* Typical delivery. Actual flow will vary with field conditions.

**Note:** Reservoir has four 1/2" - 20 mounting holes.

► Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Number	Valve Function	Air Supply Req'd (bar)	Reservoir		Prod. Wt. (kg)
						Oil Cap. (L)	Usable Oil Cap. (L)	
Single-Acting	Base model pump with 9,6 liter steel reservoir.	PA462	9584, 2-way	Advance/ Hold/Return	3 - 8	9,5	9,4	27,2
Single and Double-Acting	PA462, except has 9500 valve capable of running 2 single-acting cylinders or one double-acting cylinder.	PA464	9500, 4-way	Advance/ Hold/Return*	3 - 8	9,5	9,4	27,6
Single and Double-Acting	PA462 with air actuated valve for full remote control over advance and return. Includes 3,7 meter remote control.	PA464R†	9594, 4-way	Advance/ Hold/Return	3 - 8	9,5	9,4	35,3
Single and Double-Acting	PA464R except, has automatic dump feature. 7,6 meter remote control.	PA464RA**†	9594, 4-way	Advance/ Hold/Return*	3 - 8	9,5	9,4	35,8
Single and Double-Acting	High performance pump with 9,5 liter steel reservoir.	PA554	9500, 4-way	Advance/ Hold/Return*	3 - 8	9,5	8,4	32,0

\* Holds when motor is shut-off and valve is in "advance" position.

\*\* Not to be used for lifting.

† The PA464RA has an "automatic dump" feature. Pressure is not held when operator releases "advance" or "return" button. PA464R will "hold" only in the "advance" position with the motor shut-off.

**Notes:** Requires 1420 l/m at 5,5 bar shop air pressure at the pump. 85/90 dBA at 700 bar.

Model Shown:  
**PUA70U, PMA190U**

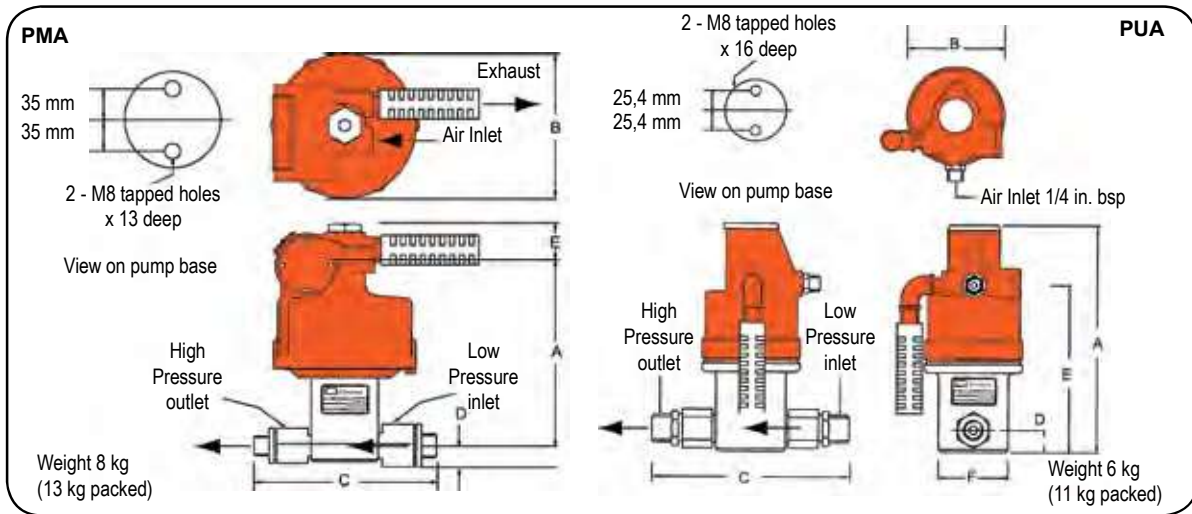
Pumps



**>Features**

**PROVIDES INFINITELY VARIABLE CAPACITY AND DISCHARGE PRESSURE**

- Suitable for continuous and start/stop applications.
- Pumps oil, water, and other fluids.
- Stainless steel pump and check valves standard.
- Maintains pressure with minimal power consumption (Non-load holding).
- Usable in hazardous areas (per ATEX II, CAT. 2 GDcT5).
- Quiet operation
- Simple to install and maintain with a compact, rugged design.
- Only 1 bar air pressure required to start pump.
- Requires flooded inlet. vertical mount.
- Can operate on gases other than air.



► Technical Dimensions

Order No.	RAM/ Dia. (mm)	A	B	C	D	E	F
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
PUA26U	31,75	233	102	168	22,2	170	73
PUA70U	19,00	222	102	168	22,2	158	73
PUA157U	12,70	222	102	168	22,2	158	73
PUA275U	9,53	222	102	168	22,2	158	73
PUA430U	7,94	222	102	168	22,2	158	73
PUA655U	6,35	222	102	168	22,2	158	73
PUA982U	5,13	222	102	168	22,2	158	73
PMA27U	76,20	220	178	230	38,0	48	-
PMA60U	50,80	210	178	230	38,0	48	-
PMA90U	41,30	210	178	230	38,0	48	-

Order No.	RAM/ Dia. (mm)	A	B	C	D	E	F
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
PMA130U	35,00	203	178	195	22	48	-
PMA190U	28,50	203	178	195	22	48	-
PMA240U	25,40	203	178	195	22	48	-
PMA370U	20,60	203	178	178	22	48	-
PMA520U	17,50	203	178	178	22	48	-
PMA770U	14,30	203	178	178	22	48	-
PMA980U	12,70	203	178	178	22	48	-
PMA1740U	9,50	203	178	256	22	48	-
PMA2410U	8,00	203	178	256	22	48	-

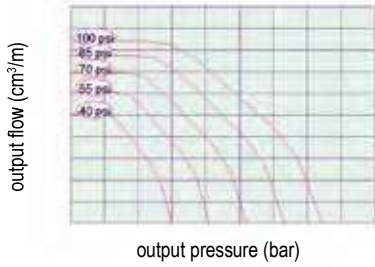
► Ordering Information

NPT Fittings	Ratio	Outlet Pres.	Outlet Per Cycle	Max. Flow at 0 Press.	Inlet	Outlet
		(bar)	(L)	(l/min.)	(NPT)	(NPT)
PUA26U	4,3	26	0,0280	14,0	1/2" NPT	1/2" NPT
PUA70U	11,9	70	0,0100	5,0	1/2" NPT	1/2" NPT
PUA157U	26,7	157	0,0040	2,4	1/2" NPT	1/2" NPT
PUA275U	47,5	275	0,0025	1,4	1/2" NPT	1/2" NPT
PUA430U	68,4	430	0,0017	0,9	1/2" NPT	1/2" NPT
PUA655U	107,0	655	0,0011	0,6	1/2" NPT	1/2" NPT
PUA982U	163,8	982	0,0007	0,4	1/2" NPT	1/2" NPT
PMA27U	4,0	27	0,1600	37,0	1" NPT	3/4" NPT
PMA60U	9,0	60	0,0700	23,0	1" NPT	3/4" NPT
PMA90U	13,6	90	0,0500	15,0	1" NPT	3/4" NPT

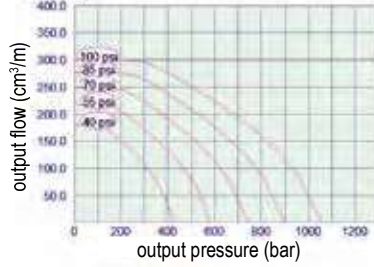
NPT Fittings	Ratio	Outlet Pres.	Outlet Per Cycle	Max. Flow at 0 Press.	Inlet	Outlet
		(bar)	(L)	(l/min.)	(NPT)	(NPT)
PMA130U	19,0	130	0,0340	11,0	3/4" NPT	1/2" NPT
PMA190U	28,4	190	0,0230	7,3	3/4" NPT	1/2" NPT
PMA240U	36,0	240	0,0180	5,8	3/4" NPT	1/2" NPT
PMA370U	54,5	370	0,0120	3,8	1/2" NPT	1/2" NPT
PMA520U	76,5	520	0,0080	2,8	1/2" NPT	1/2" NPT
PMA770U	113,0	770	0,0060	1,8	1/2" NPT	1/2" NPT
PMA980U	145,0	980	0,0040	1,5	1/2" NPT	1/2" NPT
PMA1740U	256,0	1740	0,0025	0,8	1/2" NPT	HP
PMA2410U	368,0	2410	0,0017	0,6	1/2" NPT	HP

**PUA:**

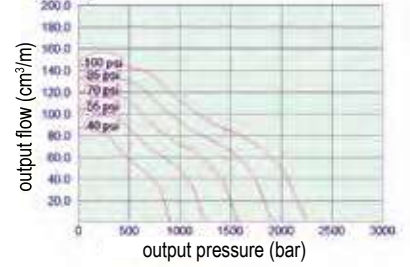
**PUA - 4.3:1**



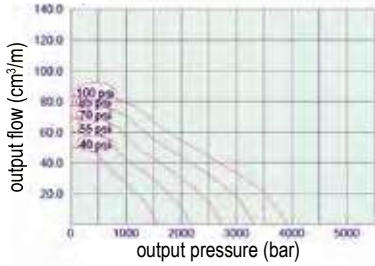
**PUA - 11.9:1**



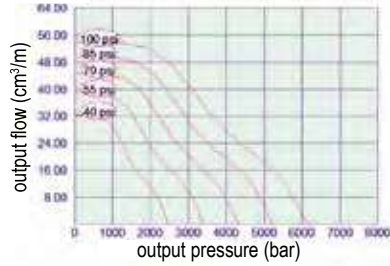
**PUA - 26.7:1**



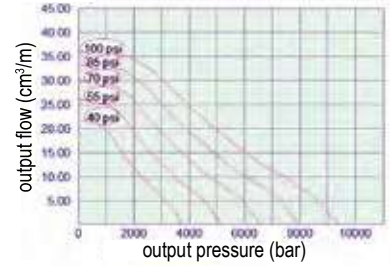
**PUA - 47.5:1**



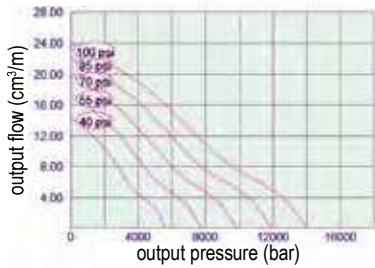
**PUA - 68.4:1**



**PUA - 107:1**



**PUA - 163.8:1**



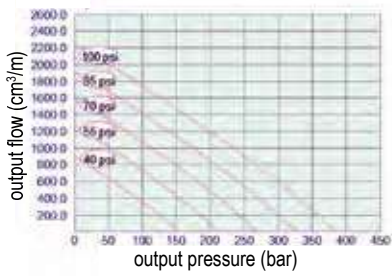
Model Shown:  
**PUA70U, PMA190U**



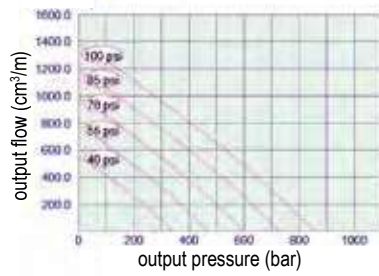
PMA:

Pumps

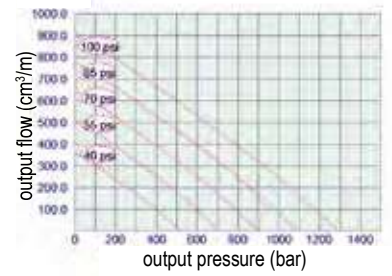
PMA - 4:1



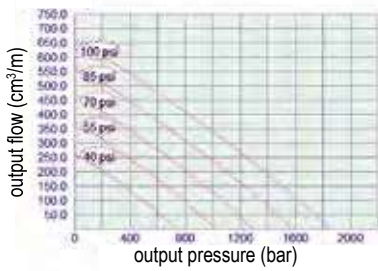
PMA - 9:1



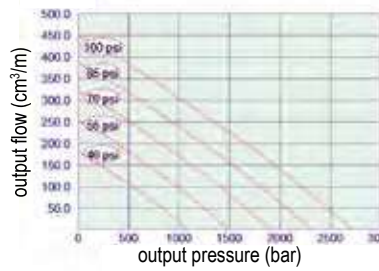
PMA - 13.6:1



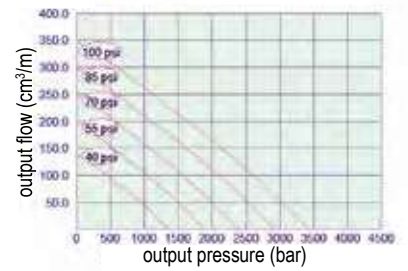
PMA - 19:1



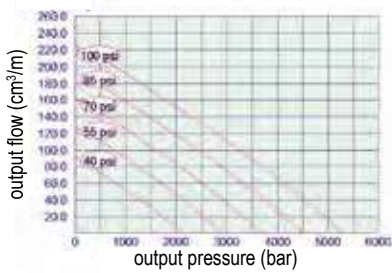
PMA - 28.4:1



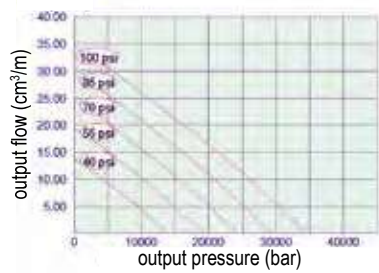
PMA - 36:1



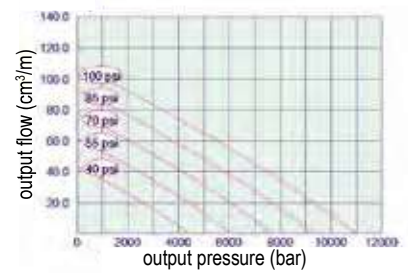
PMA - 54.5:1



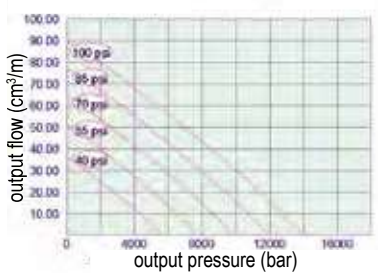
PMA - 76.5:1



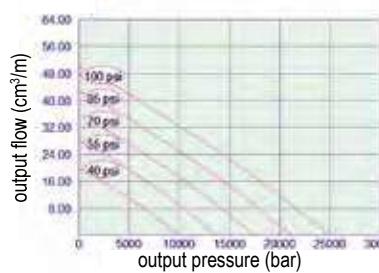
PMA - 113:1



PMA - 145:1



PMA - 256:1



PMA - 368:1

