ECODORA

Ratio 5:1
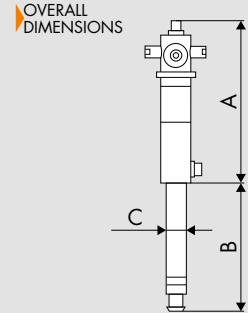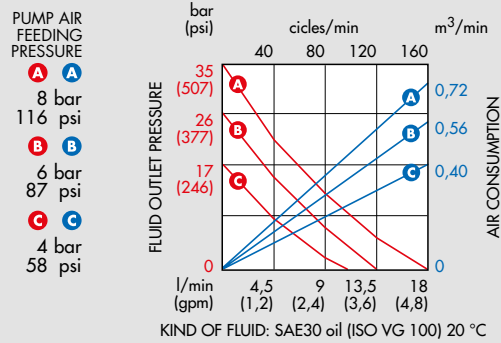**Flow rate 18 l/min**

| P/N 0E36060 | P/N 0E36096 |

AIR-OPERATED PUMPS FOR OIL AND SIMILAR S. 650

P/N		0E36060	0E36061	0E36063	0E36073	0E36094
P/N					0E36076	0E36096
Seals		NBR				
Compatible fluids		Medium/high-viscosity oil				
Suction tube upper body		Aluminum				
Suction tube		Carbon steel				
Air inlet connection		F1/4"G	F1/4"G	F1/4"G	F1/4"G	F1/4"G
Fluid outlet connection		F1/2"G	F1/2"G	F1/2"G	F1/2"G	F1/2"G
Air working pressure	bar	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
Average air consumption	l/min	350	350	350	350	350
Noise level	dB	81	81	81	81	81
Max deliverable oil viscosity	SAE	240	240	240	240	240
Bung adaptor		-	0E38042	0E38042	standard on 0E36076	standard on 0E36096
Suitable for drums or tank		modular	customisable 1"	tank	for drums 50 - 60 Kg	for drums 180 - 220 Kg
Packing	No.-m³	1 - 0,01	1 - 0,01	1 - 0,02	1 - 0,02	1 - 0,02
Weight	Kg	4,7	5,2	7,2	6,2	6,8
Dimensions (A x B x C)	mm	345-270-42	345-270-42	345-125-42	345-740-42	345-940-42

PUMP AIR FEEDING PRESSURE

A **A** 8 bar 116 psi
B **B** 6 bar 87 psi
C **C** 4 bar 58 psi

KIND OF FLUID: SAE30 oil (ISO VG 100) 20 °C

OVERALL DIMENSIONS

ADVANTAGES OF DOUBLE-ACTION

There are many technical solutions for obtaining a reciprocating double-acting pump.

The double-action of ECODORA pumps is obtained with solutions that have simplified the pump mechanism itself, ensuring that delivery of the fluid in both alternating movements (upstroke and downstroke) of the pump occurs only through the difference in volume between the diameters of the pumping piston **(A)** and the pump shaft **(B).**

On the **upstroke,** delivery is caused by the **pumping piston (A).**

On the downstroke it is caused by the difference in **volume between the diameter of the motor shaft (B)** and the **diameter of the pumping piston (A).**

In addition to guaranteeing regular delivery of the fluid, this solution offers the further advantage of having fewer parts inside the pump. This means less wear plus greater and longer reliability.

UPSTROKE   **DOWNSTROKE**

Silencer

Air distributor

Air inlet

Recycle tube

Motor piston

Liquid outlet

Motor shaft **(B)**

Upper chamber

Pumping piston valve **closed**

Pumping piston valve **open**

Pumping piston **(A)**

Foot valve **open**

Lower chamber

Foot valve **closed**