



### Description

The E4-60 smart pump uses a standard EExd 4 pole AC electric motor to drive the fluid section, for pumping paints, solvents and other suitable materials.

The unit combines conventional electrical hardware to achieve optimum operating performance at a lower cost. Running costs are much lower than compressed air driven models. When used with a smart card even higher savings in running cost can be realised.

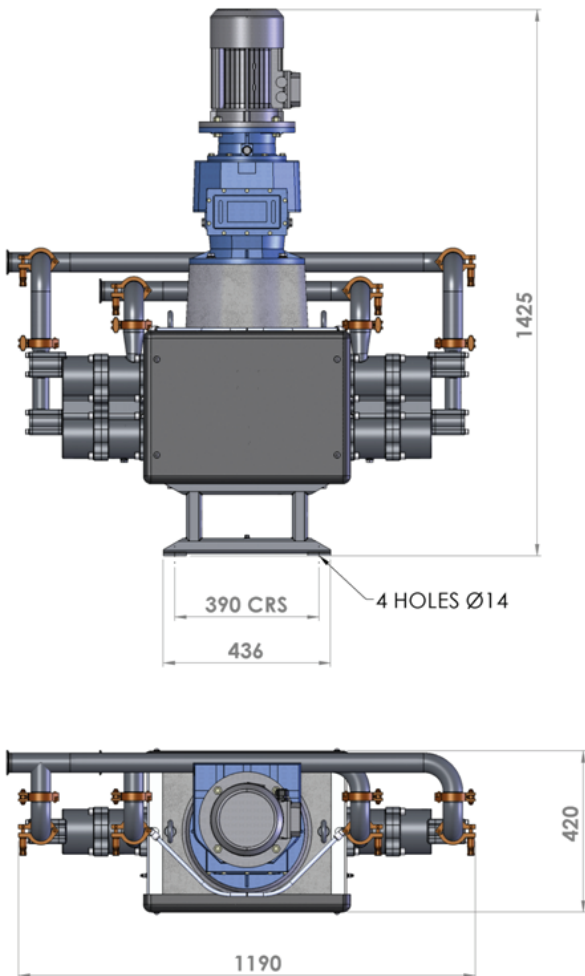
The Model E4-60 Electric Pump achieves a reciprocating drive by using a cam and cam followers combined with a sliding carriage unit. Equal thrust on each stroke together with the special cam profile reduces fluid pressure fluctuations to an absolute minimum.

### Main Features

- **High Quality materials and surface treatments** are used in the construction of these pumps to ensure extended operational life, including Stainless steel fluid sections, ideal for waterborne, solvent based and other paints.
- **Horizontal Short Stroke Design** - Equal thrust on both pistons provide identical flow and pressure for both strokes. Permits a higher cycle rate than conventional vertical Pumps and thus more flexibility for paint flow range.
- **Reciprocating drive** – achieved by a sliding carriage mechanism and rotating constant velocity cam with special profile reducing fluid pressure fluctuations to a minimum. (No surge chamber required)
- **Fluid Seal** – Piston seal is lubricated by paint on both sides, increasing seal life. Design means No external paint leaks when seal needs replacement.
- **Bellows seal** - No exposed shaft seal packing eliminating the need for maintenance and lubrication of the shaft packing. Vital to the user when pumping Light (UV) and Moisture sensitive (Catalyst) materials.
- **Fluid Sections** - Tungsten carbide ball seats & ceramic coated pistons, ensure maximum operating life between servicing providing capability for pumping aggressive and abrasive materials.
- **Flow Rate Control** – The operating speed is adjusted by a Standard AC frequency inverter to achieve a usable speed range between 10 and 40 cycles/minute; control is infinite within this working range, either manually or automatically.
- **Operation Mode** - Simple Flow Mode like a conventional air motor driven pump or by Pressure Control to achieve maximum 'Smart' energy savings.
- **Fluid Connections** - Sanitary Inlet and outlet connections, guarantee a smooth internal pipe connection without paint entrapment pockets.

## Specifications

Description	Unit
Part Number	107070 (EU) 107072 EU-Non Ex 107073 (USA)
Nominal stroke	50mm / 1.97"
Max fluid pressure	20 bar / 290 psi
Fluid output @ 20HZ (10 cycles per minute)	15Litres / 3.96 US Gal
Fluid output @ 80 HZ (40 cycles per minute)	60 Litres / 15.8 US Gal
Fluid Connections	Inlet / Outlet 2" Sanitary
Electrical Motor	EU: 400V 3PH 3.0 kW @ 50HZ 4 Pole USA: 400V 3PH 5.0 HP @ 60HZ 4 Pole
Total weight of pump	335 kg USA 360 kg (793 lbs)



## Accessories

Part. No.	Description
107XXX	Binks 107 Series Low Shear BPR
192569	2" Sensor Manifold
37-2000	6" Bag Filter
502144	Pressure Switch
192547	Pressure Transducer (4-20mA)
PRV22-X-XX	Relief Valve