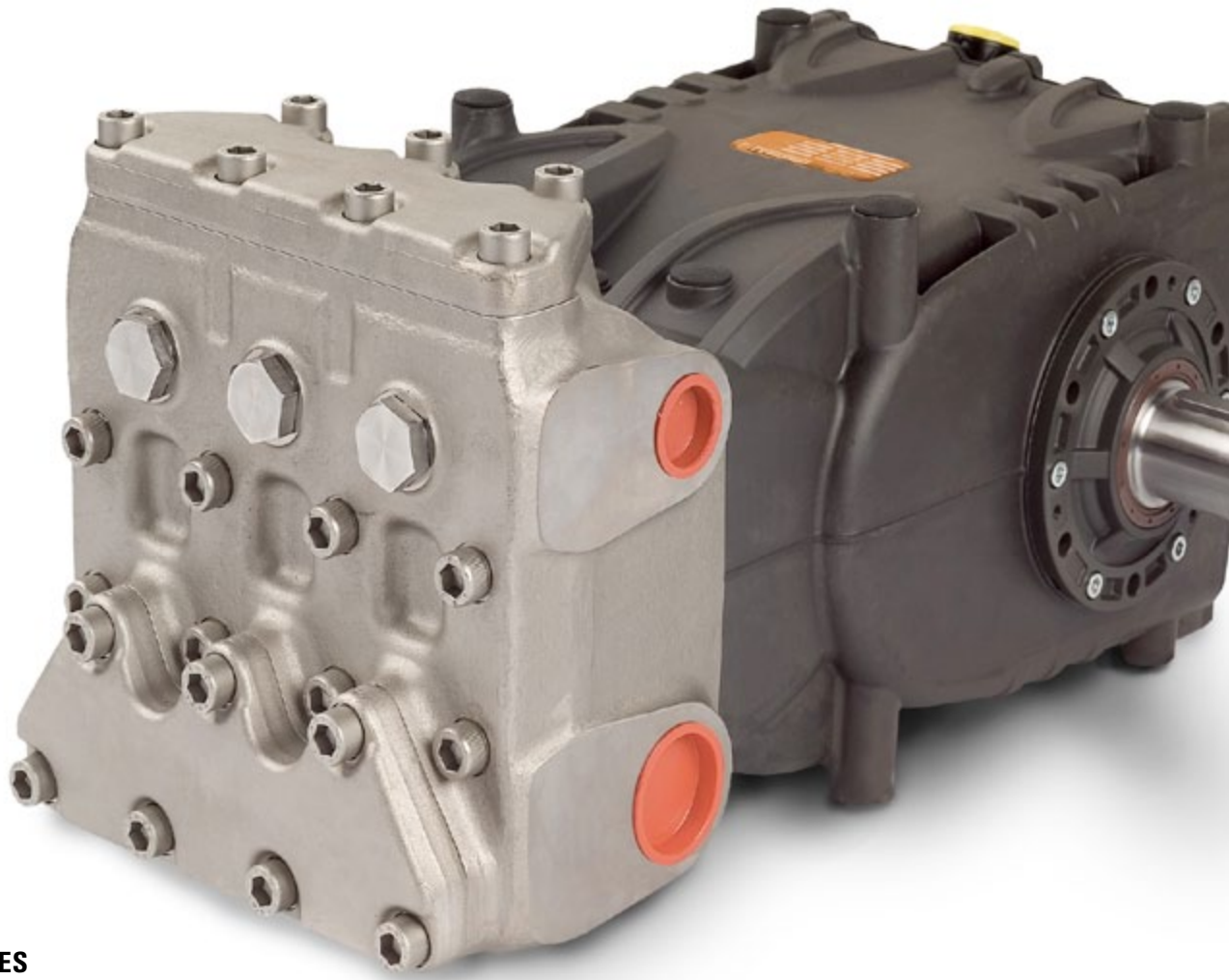


# FORDIA®



## **ELEPUMP** **POWERFUL YET LIGHTWEIGHT**



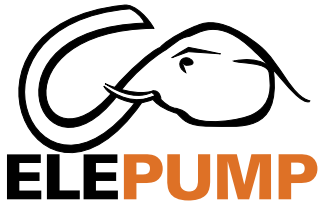
### **ELEPUMP SERIES**

The Elepump series is comprised of heavy-duty pumps designed for high-demand drilling operations. The KF-30 and KF-40 are high-performance pumps featuring a frame designed for increased lifespan, a stainless steel manifold and a new leak-free seal design. All Elepump models offer longevity, minimal downtime and reduced operating costs.

The lightweight KF-30 and KF-40 pumps are ideal for diamond drilling as they can accommodate water and liquid polymer mixes.

Designed for simple maintenance, Elepump models require only routine oil checks and changes - and worn parts can be replaced quickly and simply. Pressure pump and supply pump configurations are available.

- 420 nickel-plated stainless steel manifold
- Symmetrical high-grade aluminum alloy crankcase
- Solid ceramic plungers, standard on all models



## KF-30 / KF-40

The Elepump KF-30 and KF-40 are high-performance water pumps that are ideal for diamond drilling operations. They offer a great gallon-per-minute ratio, thanks to a triplex water plunger system.

## ELEPUMP COMPARISON CHART

MODEL	RPM	FLOW RATE		PRESSURE		POWER	
		L/m	GPM	bar	psi	HP	kW
KF-30	1,000	106	28	200	2,890	40	55
KF-40	900	170	45	110	1,600	49	37

## POWER REQUIRED

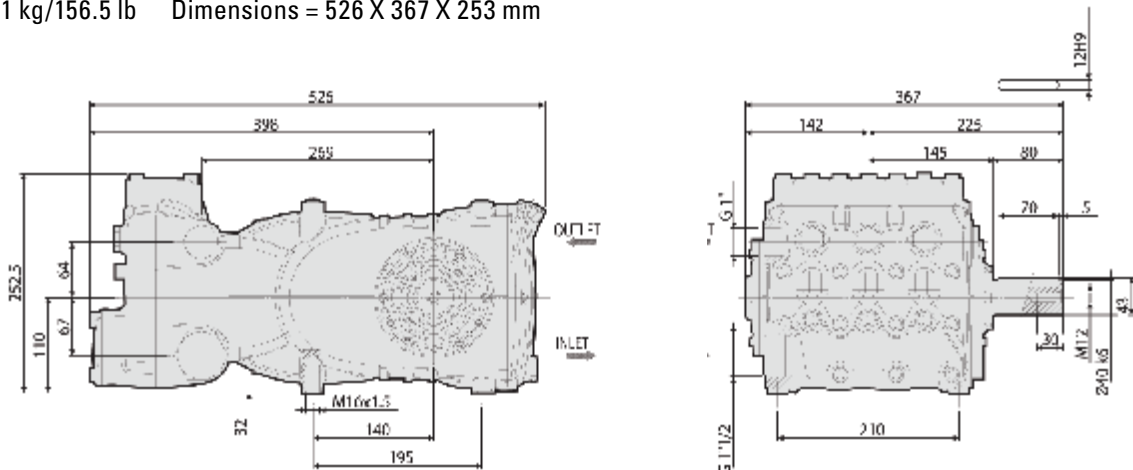
<b>EHP* = <math>\frac{\text{GPM} * \text{PSI}}{1,458}</math></b>	1 HP = 0.735 kW	1 US Gallon = 3.785 l	1 bar = 14.503 psi
	1 kW = 1.36 HP	1 IMP Gallon = 4.546 l	1 psi = 0.07 bar
	1 kg = 2.204 lb	1 m <sup>3</sup> /h = 16.7 l/m	1 bar = 0.1 MPa
	1 lb = 0.453 kg		1 MPa = 10 bar

\*EHP : Electric Horse Power

The data are indicative and not binding. Fordia reserves the right to modify them at any time.

## DIMENSIONS AND WEIGHT - ELEPUMP KF-40

Weight = 71 kg/156.5 lb    Dimensions = 526 X 367 X 253 mm



## OPTIONAL CONFIGURATIONS

All Elepump optional configurations are comprised of a high-performance pump and diesel engine or hydraulic actuator, and may include couplers and a transmission, depending on the assembly. Configurations also feature a powder-coated steel skid for better rust protection. This skid ensures maximum ease of transportation and toughness.

### Hydraulic

The Elepump KF-40 can be mounted on a skid with a turn-key hydraulic assembly. This configuration is an ideal pressure pump set-up that can be used on most drill sites.

- Turn-key configuration
- Ease of maintenance and repair
- Light weight



### 10 HP Diesel

The 10 HP Diesel configuration can accommodate either a KF-30 or a KF-40 model. In both cases, it features a 125 l diesel tank and a protective case that requires no additional shack. This assembly is ultra-compact and can easily be transported by helicopter. Air lift certification is currently in process.

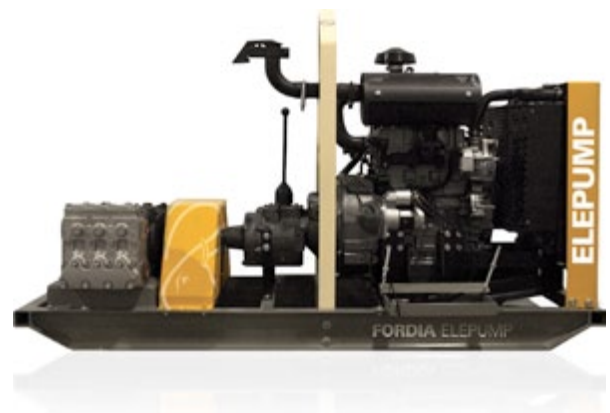
- Turn-key configuration
- Autonomy of 60 hours @ 3,000 rpm
- Ease of maintenance and repair
- Balanced lifting points and heliportable configuration
- Integrated storage drawer for tools
- Optional alternator for water heater



### 30 HP Diesel

The 30 HP Diesel is a sturdy configuration that features an Elepump KF-40. It is a great choice as a supply pump and is meant to perform in high-demand drilling conditions, as it offers great lifespan and power.

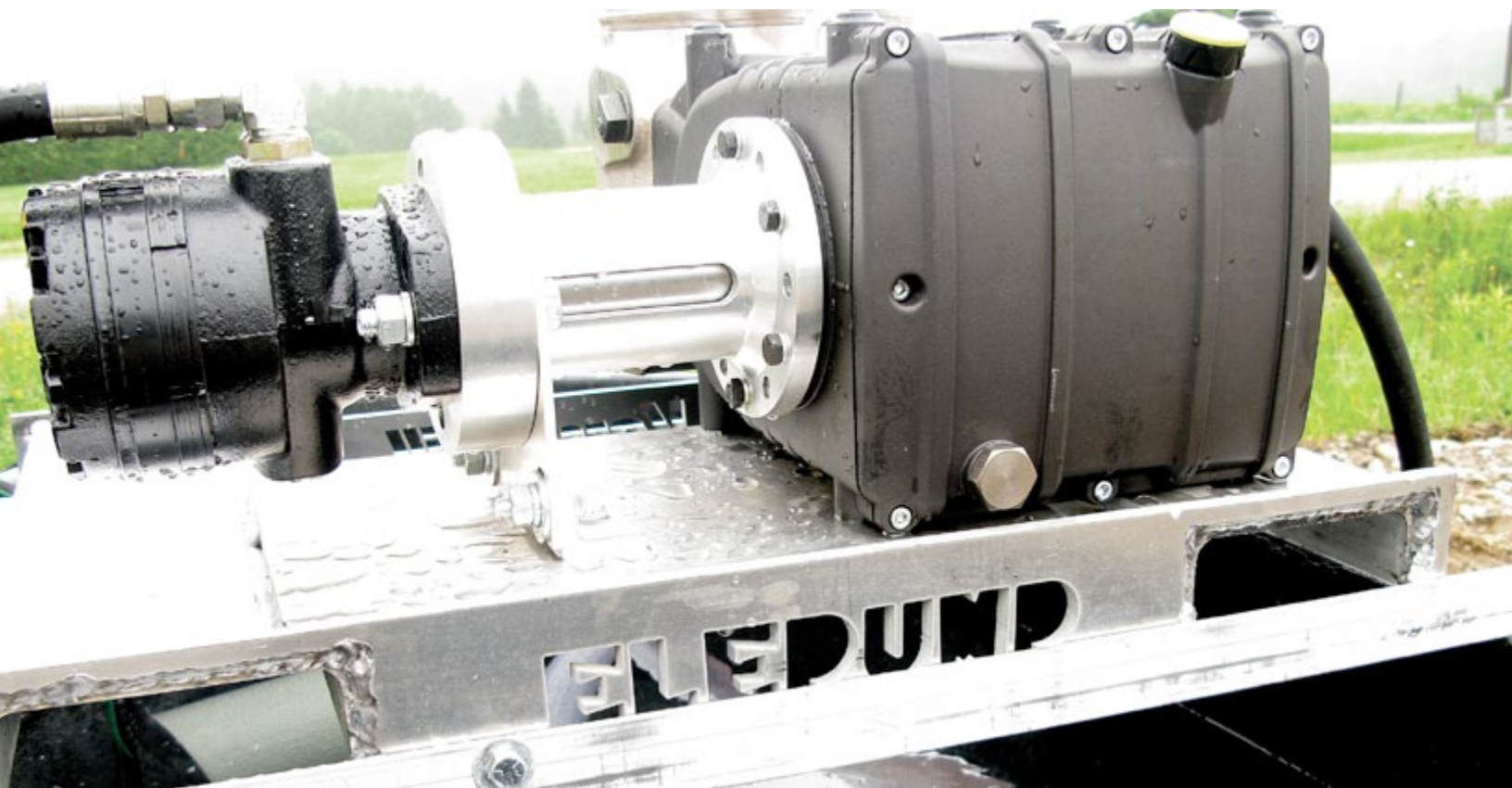
- Robust engine
- Heavy-duty radiator with safety fan cover
- Coupler safety guard
- Ease of maintenance and repair
- Balanced lifting points

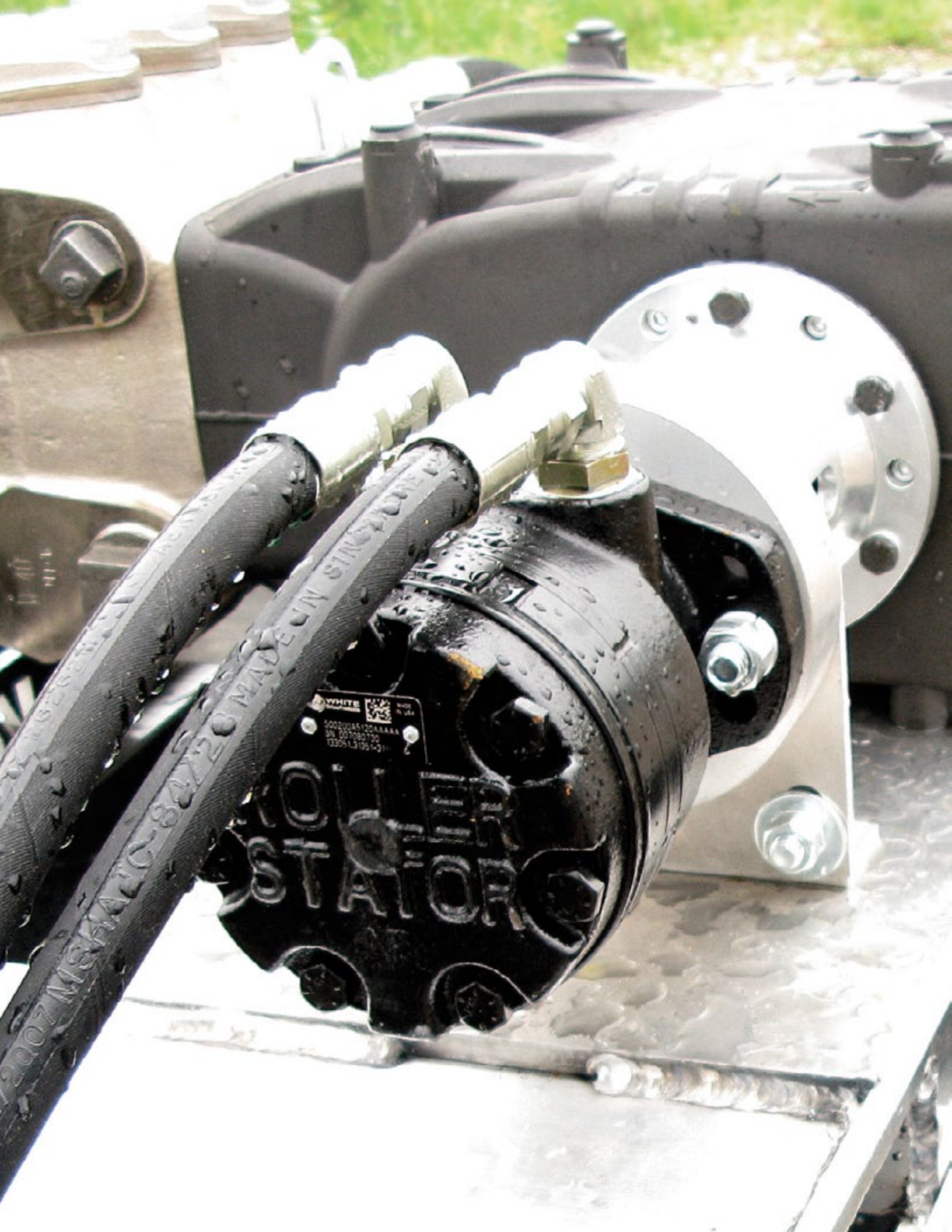


## OPTIONAL CONFIGURATIONS CHART

	PRESSURE ASSY	SUPPLY ASSY	DIMENSIONS	WEIGHT (DRY)*	KF-30	KF-40
<b>Hydraulic Assy</b> <ul style="list-style-type: none"> <li>• Pump</li> <li>• Hydraulic motor (200 cc)</li> <li>• Hydraulic coupling</li> </ul>	●		Length: 76 cm (30 in) Width: 56 cm (22 in) Height: 36 cm (14 in)	136 kg (300 lb)	n/a	Part No. 35-101-H03
<b>10 HP Diesel Assy</b> <ul style="list-style-type: none"> <li>• Pump</li> <li>• Yanmar® diesel engine (9.1 HP)</li> <li>• Gear box and coupler</li> <li>• Diesel tank (125 l)</li> <li>• Protective case</li> </ul>		●	Length: 147cm (58 in) Width: 91 cm (36 in) Height: 91 cm (36 in)	485 kg (1,069 lb)	Part No. 35-102-Y02	Part No. 35-101-Y03
<b>30 HP Diesel Assy</b> <ul style="list-style-type: none"> <li>• Pump</li> <li>• Yanmar® diesel engine (30.8 HP)</li> <li>• Coupler</li> <li>• New Age® transmission (four-speed)</li> </ul>		●	Length: 180 cm (71 in) Width: 69 cm (27 in) Height: 112 cm (44 in)	434 kg (957 lb)	Part No. 35-101-Y05	Part No. 35-101-Y01

\*Weight estimated based on a standard Elepump KF-40.





2007 MSFA10-84723 MADE IN SINGAPORE

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50021015120AAAA  
SN 007080720  
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STATOR

## ELEPUMP SERIES KEY FEATURES

### 1 EXTENDED LIFESPAN

Nickel-plated stainless steel manifold, high-grade aluminum alloy crankcase and solid ceramic plungers standard on all Elepump models.

### 2 EASY MAINTENANCE AND INSTALLATION

Symmetrical crankcase design for rapid shaft conversion, improved lubrication for rotation in both directions, and single-cover access for reduced manifold/valve service time.

### 3 POWERFUL YET LIGHTWEIGHT

Quality high-performance pumps that can withstand the most challenging drilling conditions, yet offer a design that is considerably lighter than that of most others.

