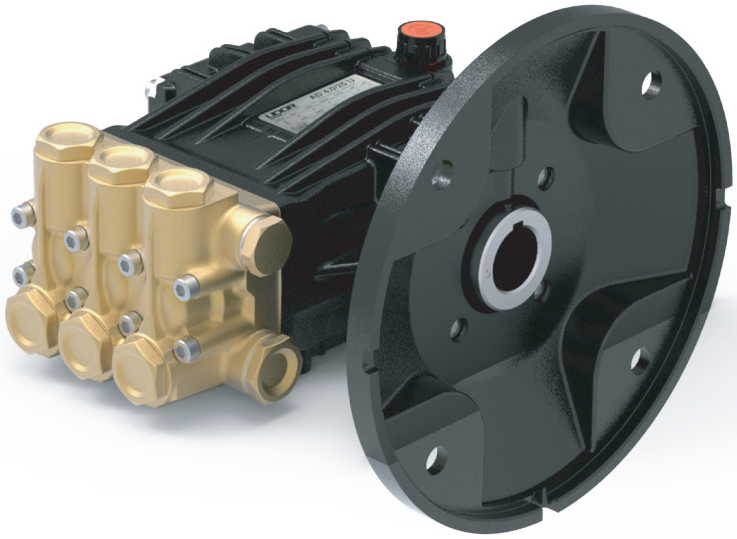
AD SERIES

Direct Drive, Electric Flange Models

1-1/8" Hollow Shaft with NEMA 182/184 TC Mounting Flange
1750 RPM



- **Brass Manifold**
- **Heat Treated Crankshaft**
- **Stainless Steel Piston Guides**
- **High Strength Aluminum Alloy Connecting Rods**
- **Industrial Quality Bearings**
- **Solid Ceramic Plungers**
- **Stainless Steel Check Valves**
- **Heavy Duty Flat Base High Pressure Seals**
- **11.5 oz. Capacity Vented Oil Bath Crank Case**
- **1/2" BSP-F Inlet. 3/8" BSP-F Outlet**
- **Max Fluid Temp, 160°F**

AKD Series Direct Drive, Electric Motor Flange Plunger Pumps

AKD Series standard duty plunger pumps include a wide range of models with flow rates from 2.5 to 4.0 GPM and pressures up to 3625 PSI.

Other drive options include 24mm solid shaft, gas engine flange and hydraulic motor flange.

Applications include general pressure cleaning, sewer jetting, vehicle wash equipment and fire fighting applications.

		Flow		*Pressure*		*Plunger*	*Crankshaft*					
	Model	*GPM*	*l/min*	*PSI*	*bar*	Dia.	*Stroke*	*Code*	*Power*	*Seal Kit*	*Valve Kit*	*Wt.*
1750 RPM	**AKD 4.0/30 U**	4.0	15.0	3625	250	18mm	12.5mm	S	10.1 EBHP	6061.E2	6061.02	17.6 lbs

NOTE: All pump models available with left-hand drive option. Add 'L' to model number when ordering (ex. AD 4.0/30 UL)

UDOR USA

World Leader in Diaphragm and Plunger Pumps

6180 140th Avenue NW
Ramsey, MN 55303

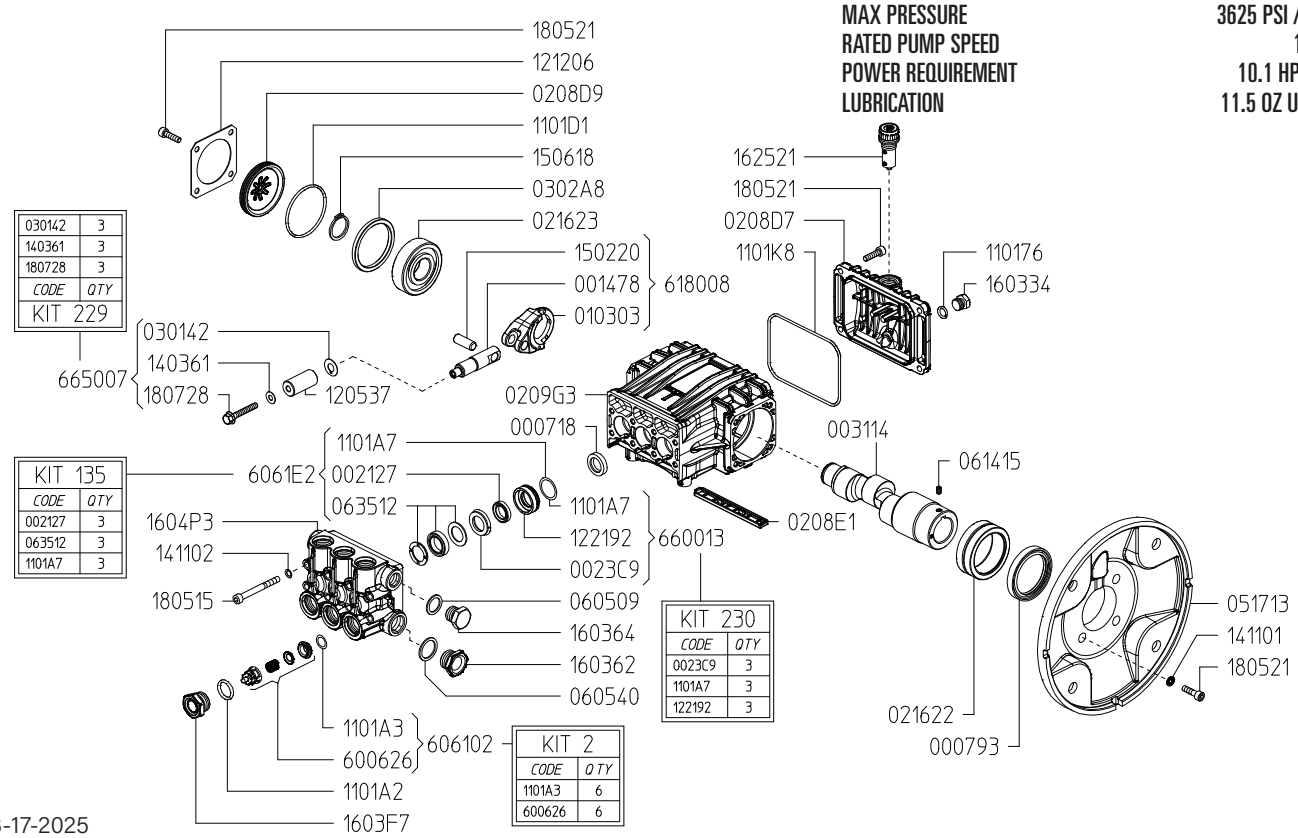
Ph: 651-785-0666
Fax: 800-732-2670

www.udorusa.com
sales@udorusa.com

Scan this QR Code for More Information

AKD 4.0/36 U

MAX FLOW	4.0 GPM /15.0 L/MIN
MAX PRESSURE	3625 PSI / 250 BAR
RATED PUMP SPEED	1750 RPM
POWER REQUIREMENT	10.1 HP ELECTRIC
LUBRICATION	11.5 OZ UDOR LUBE



Revised 3-17-2025

Part #	Description	Qty
0007.18	OIL SEAL	3
0007.93	OIL SEAL	1
0014.78	PLUNGER GUIDE	3
0021.27	WATER SEAL LP [B]	3
0023.C9	UPPER RING [C]	3
0031.14	CRANKSHAFT – 1-1/8" HOLLOW	1
0103.03	CONNECTING ROD	3
0208.D7	BACK COVER	1
0208.D9	OIL SIGHT GLASS	1
0209.G3	CRANKCASE – AK	1
0216.22	ROLLER BEARING	1
0216.23	BALL BEARING – NON-DRIVE SIDE	1
0301.42	SLINGER RING [D]	3
0302.A8	SPACER	1
0517.13	MOTOR FLANGE – NEMA 182/184	1
0605.09	GASKET	1
0605.40	GASKET	1
0614.15	SET SCREW	1
0635.12	HIGH PRESSURE SEAL KIT [B]	3
1101.76	O-RING	1
1101.A2	O-RING – VALVE CAP	6
1101.A3	O-RING – VALVE [A]	6
1101.A7	O-RING [B C]	3
1101.D1	O-RING – OIL SIGHT GLASS	1
1101.K8	O-RING – BACK COVER	1
1205.37	CERAMIC PLUNGER - D18	3

Part #	Description	Qty
1212.06	RETAINER – SIGHT GLASS	1
1221.92	PRESSURE RING [C]	3
1403.61	WASHER [D]	3
1411.01	SERRATED WASHER	4
1411.02	SERRATED WASHER	8
1502.20	PIN	3
1506.18	SNAP RING	1
1603.34	DRAIN PLUG	1
1603.62	PLUG	1
1603.64	PLUG	1
1603.F7	VALVE CAP	6
1604.P3	HEAD – AK	1
1625.21	OIL PLUG – G3/8	1
1805.15	ALLEN BOLT	8
1805.21	ALLEN BOLT	12
1807.28	PLUNGER BOLT [D]	3
6006.26	VALVE ASS'Y W/O O-RING [A]	6
6180.08	CONNECTING ROD ASSEMBLY	3
6061.02	VALVE KIT (KIT 2)	1
6061.E2	WATER SEAL KIT (KIT 135)	1
6600.13	BRASS RING KIT (KIT 230)	1
6650.07	PLUNGER BOLT KIT (KIT 229)	1

[A] Parts in 6061.02 (Kit 2).
[B] Parts in 6061.E2 (Kit 135).
[C] Parts in 6600.13 (Kit 230).
[D] Parts in 6650.07 (Kit 229).

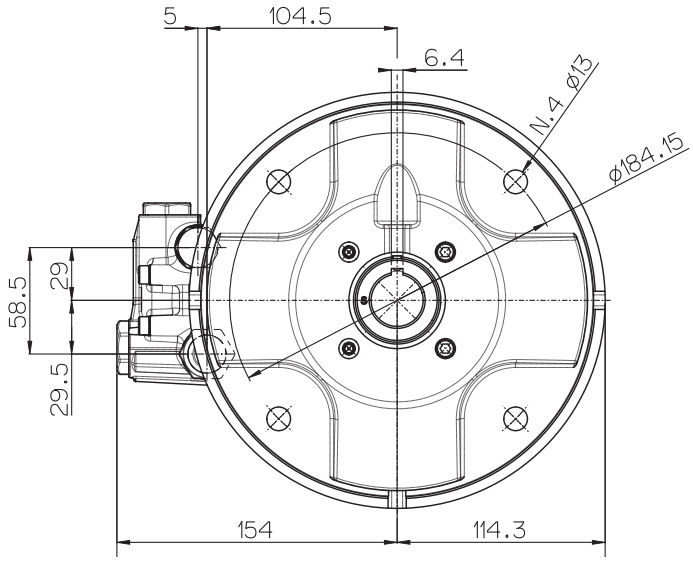
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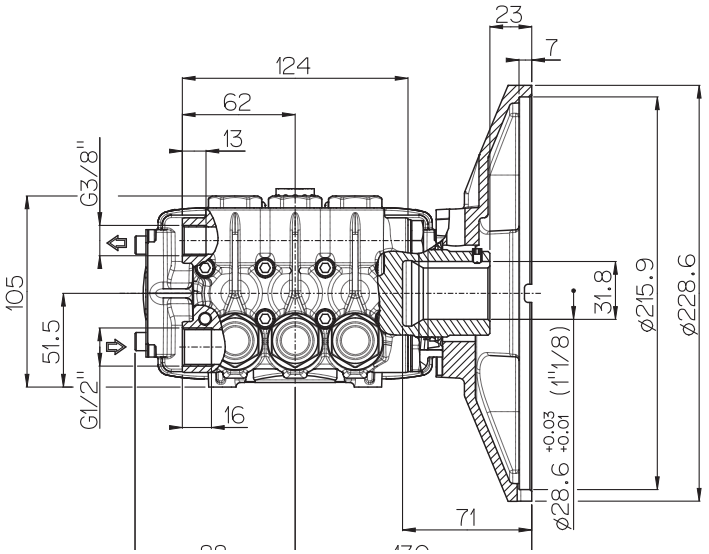
AK SERIES DIMENSIONS

WEIGHT	17.6 LBS
LUBRICATION	11.5 OZ UDOR LUBE

Dimensional Drawings are Shown in Millimeters. To Convert to Inches, Multiply Dimension x 0.03937

AK SERIES PUMPS - 1-1/8" HOLLOW SHAFT w/ 182/184 FLANGE





TORQUE SPECS

Ref.	Description	Ft./lb.	Nm	Loctite®
1	Head Bolts	19	25	-
2	Valve Caps	75	100	243
3	Inlet Cap	75	100	243
4	Outlet Cap	60	80	243
5	Bearing Flange Bolts	19	25	-
6	Rear Cover Bolts	19	25	-
7	Connecting Rod Bolts	9	11	243
8	Plunger Bolts	11	15	270
9	Valve Cover Bolts	-	-	-
10	Oil Drain Plug	19	25	-

