



Integrated Electro-Hydraulic Power Steering Pump

Off-The-Shelf and Customized Options Available

I. PRODUCT FAMILY DESCRIPTION

The Danotek Motion Technologies integrated electric hydraulic steering pump uses state of the art control electronics and high efficiency brushless motor coupled with rugged high pressure gear pump to deliver an all-in-one package.

The unit has capability to start/stop using either 12V on/off or CAN messages. CAN 2.0B communication and diagnostics features are readily available for automotive and industrial CAN-bus interface. It also has built in fault tolerance and limp home capability.

Application targeted Class 2 to Class 8 vehicles for transportation, utility, mobile, farm and earth moving as well as various industrial applications.

Danotek offers a wide selection of off-the-shelf models as well as customized options tailored to meet your unique requirement.



APPLICATIONS

- Hybrid or Electric Vehicles (Class 2 to Class 8)
- Cargo, Van or Work Utility Vehicle (WUV)
- Transportation
- Utility
- Farm and earth moving
- Various industrial hydraulic applications

ORDERING INFORMATION

	Product Family	Rated Pressure	Pump Flow Rate	Input Voltage	Features
Section	I	II	III	IV	V
Example	62	L	0325	A	00

Part Number 62L0325A00

- I. 62-6200 Product Family
- II. 0325-3.25 GPM
- III. L-Low Power
- IV. A-(250V-450VDC) Input Voltage
- V. 00-Standard Features

KEY BENEFITS

- Inverter, motor and pump all in one package
- Off-the-shelf and custom design options available
- Electrically controlled on-demand steering
- High Performance, low cost option
- Customizable features
- Small and light weight
- Low audible noise



II. RATED PRESSURE

(L) – Rated pressure equal or less than the one listed in table 1 (for the particular flow rate)

(H) – Rated pressure greater than the value in table 1 (for a particular flow rate)

Standard option is L

III. FLOW RATE

The following are off-the-shelf flow rate/rated pressure options. Contact Danotek for values not listed here.

Flow Code	Pump Flow Rate		Std. Rated Pressure		Pump Head
	GPM (U.S. Gallons)	LPM	PSI	Bar	SAE Straight Thread
0100	1.00	3.8	3000	207	9/16-18
0125	1.25	4.7	3000	207	9/16-18
0150	1.50	5.7	3000	207	9/16-18
0175	1.75	6.6	3000	207	3/4-16
0200	2.00	7.6	3000	207	3/4-16
0225	2.25	8.5	2400	165	3/4-16
0250	2.50	9.5	2400	165	3/4-16
0275	2.75	10.4	2400	165	3/4-16
0300	3.00	11.4	2400	165	3/4-16
0325	3.25	12.3	1800	124	3/4-16
0350	3.50	13.2	1800	124	3/4-16
0375	3.75	14.2	1800	124	3/4-16
0400	4.00	15.1	1800	124	3/4-16
0425	4.25	16.1	1400	97	7/8-14
0450	4.50	17.0	1400	97	7/8-14
0475	4.75	18.0	1400	97	7/8-14
0500	5.00	18.9	1400	97	7/8-14
0525	5.25	19.9	1250	86	7/8-14
0550	5.50	20.8	1250	86	7/8-14
0575	5.75	21.8	1250	86	7/8-14
0600	6.00	22.7	1250	86	7/8-14

Table 1: Standard flow rates and pressure



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IV. INPUT VOLTAGE

(A) – Input voltage range of 250VDC-450VDC (or anywhere in between)

(B) – Extended maximum voltage DC (900VDC)

(C) – Wide range AC

(D) – Other (Please specify).

Standard option is A

V. OTHER FEATURES

(00) – Standard Features as shown below.

- Control Voltage Range
 - Min 9V
 - Nom 12V
 - Max 15V
- Start/Stop
 - 12V on/off
- CAN Status Report
 - EHPAS status (running vs. stopped), fault flags, motor speed, bus voltage, bus current, temperature
- Self Protection Features
 - Under/over voltage shutdown
 - Under /over Temperature shutdown
 - Over current Shutdown
 - No Start
- Valve Options
 - Directional Check Valve

Other available options (Contact Danotek for Part number)

- 24V Control Voltage
- Start/stop via customized CAN messages
- Customized CAN status report
- Valve Options
 - No valve, Relief Valve, Check Valve, Check & Relief Valves, Check, Relief & Normally Closed Solenoid, G-Check, Relief & Normally Open Solenoid, H-Check, Relief & Solenoid Cavity Plugged
- Pressure Relief Valve
- Solenoids for Valve control
 - Rear mounted solenoid valve or side mounted solenoid valve
 - 12V-DC, 24V-DC or 115V-AC Solenoid Valve Voltage



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Danotek Motion Technologies Inc.
8680 North Haggerty Road
Canton, Michigan 48187 USA
Tel: 734.426.5976

www.danotekmotion.com

