

Eaton Hydraulics Division

Product Data Sheet

Model 77031 1:3 Planetary Gear Step-Up Box with Fixed Piston Pump

Specifications

**1000 R.P.M.
P.T.O. Driven**

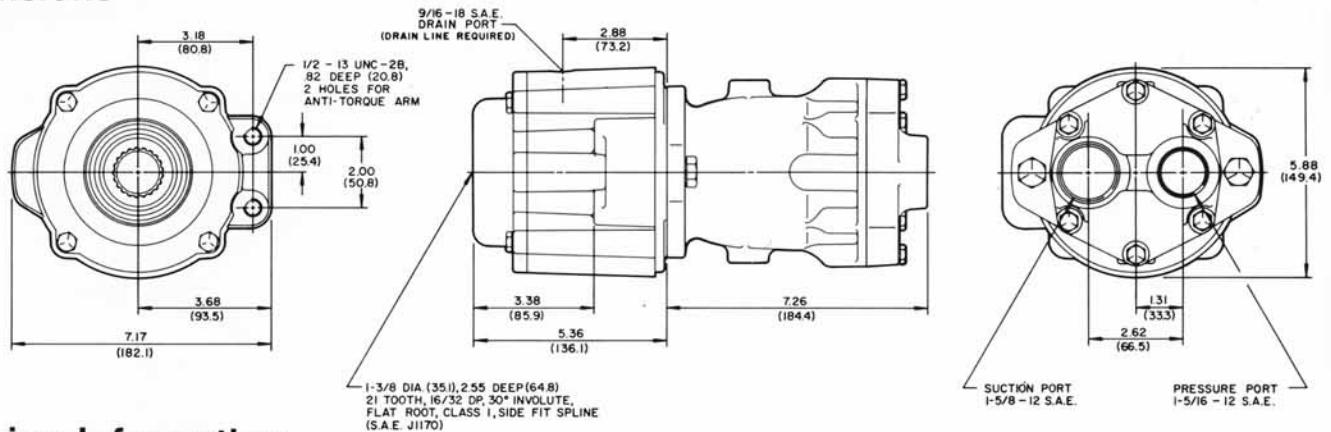
Step-Up Box Data

Maximum Continuous Input Torque	189 ft. lbs. (256.3 N-m)
Maximum Intermittent Input Torque	315 ft. lbs. (427.1 N-m)
Maximum Continuous Input Horsepower	36 Hp. (27 kW)
Maximum Intermittent Input Horsepower	60 Hp. (45kW)
Maximum Operating Temperature	225° F. (107° C)
Maximum Case Pressure	30 P.S.I. (2.07 Bar)
Paint	Primer

Pump Data

Maximum Continuous Inlet Temperature	225° F. (107° C)
Maximum Inlet Vacuum	6 In. Hg. (0.80 Bar absolute)
Assembly Weight	33.75 (15.3 kg.)
Paint	Primer

Dimensions



Ordering Information

Step-Up Box & Piston Pump Assembly No.	*Step-Up Box Order Number	*Piston Pump Order Number	Displacement Cu. In./Rev. (mL/Rev.)	Max. Input R.P.M.	Pump R.P.M.	Max. P.S.I. (Bar)	G.P.M. (L/min.) At Max. P.S.I. And Pump Speed	Input Horsepower (kW) At Max P.S.I. And Pump Speed
77031-LAN	77030-AA	73424-LAC	2.01 (33.0)	1000	3000	3500 (242)	24.5 (92.7)	60 (45)
77031-LAP	77030-AA	73428-LAE	2.77 (45.4)	1000	3000	2500 (172)	33.8 (127.9)	60 (45)

* A mounting kit is required for assembly of step-up box to piston pump, order mounting kit 77000-904 for each final assembly. Mounting kit includes capscrews, o-ring, retaining rings and sun gear.

Caution: An anti torque arm is required to secure step-up box and pump when installed on P.T.O. shaft.

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