## Posidyne Specifications (Model 02—11)

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<th>Max Brake Torque (Lb. In.)</th>
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<th>With Max. Assist</th>
<th>Max. RPM</th>
<th>Max. KE per Engmt. (Ft. Lbs.)</th>
<th>Average Thermal HP</th>
<th>Oil Cap (Qts)</th>
<th>Inertia of Cyclic Parts (Lb.Ft.2)</th>
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### Posidyne Specifications (Model 14—20)

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<th>Average Thermal HP</th>
<th>Oil Cap (Qts)</th>
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**NOTES:**
- Thermal HP ratings based on 1800 RPM and 70° ambient temperature. Higher thermal ratings available with forced lubrication. Consult factory with application details.
- For Water cooled Units Cooling water flow requirements in GPM equals .10 x thermal horsepower.
- Oil Capacity is only approximate. Always fill unit to center of sight gauge.
- Air pressures are at maximum torque. Operating pressures are generally much lower. Refer to “Pressure vs.Static Torque” charts for proper pressure settings.
- Size 11 and 14 Posidyne rated @ 1200 RPM. Fan cooled only. These sizes can run up to 1800 RPM with the External Cooling System shown below. CF- Consult Factory.
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Overhung Loads are based on Bearing life L10 25,000 hrs. @ 20% duty at midpoint of shaft extension based on standard male shaft diameters. (Not applicable to C-Face.)

**CAUTION** - Excessive overhung load will shorten bearing life and may exceed the capacity of the shaft to the point of failure.

### Basic Posidyne Dimensions

**Top porting and bottom porting are both supplied. The use of bottom porting is recommended to purge contaminants out of the piston area when exhausted. The use of top porting does not purge the piston and can become clogged due to the buildup of moisture and lubricating oil.**

---

**Updated 2/20/2014 Page 3**
## Posidyne C-Face Mounting Option Dimensions

![Diagram of C-Face Mounting Options]

<table>
<thead>
<tr>
<th>Size</th>
<th>Input Module</th>
<th>Input Dimensions (Inches)</th>
<th>Output Dimensions (Inches)</th>
<th>Foot Mounting Dimensions (Inches)</th>
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* See Basic Posidyne Dimensions.
** Spacer may be required to keep Output Housing from interfering with mating C-Face

## Posidyne Long Coupled C-Face Input Option Dimensions

![Diagram of Posidyne Long Coupled C-Face Input Option]

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Posidyne Piggyback Options Dimensions

Basic Cooled Input

Fan Cooled Input

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*This dimension changes to 8.44 with 254 thru 286 Frame Motors.
Manifold Mounted Valve not available with Piggyback Mounting.

Posidyne Cooling Options Dimensions

Fan Cooled Input

Water Cooled Input

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Posidyne Encoder Options Dimensions

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Posidyne Manifold Mounted Valve Dimensions

Without Regulators and Gauges

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With Regulators and Gauges

02, 2.5, 03, 05 and 10 Posidyne Clutch/Brakes (2 Pr. Inlet-3/8 Manifold Mounted Control Valve)


02, 2.5, 03 and 10 Posidyne Clutch/Brakes (1PC-3/8, PC-3/8 and 2PC-SC-3/8 Manifold Mntd. Control Valves)
### Posidyne Available Options

**(3) Input Module**

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**Posidyne Piggyback Motor Option Available**

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To limit the torque delivered to a drive and the physical size of the motor mounted on our piggyback drives, please use the above chart.

**(4) Control Logic**

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**(5) Output Module**

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**(6) Mounting Positions**

All options available in all sizes.

**(7) *Cooling**

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*Fan cooling not available with C-Face input.
Posidyne How To Order

(1, 2) Size
0 2 = 02  
2 5 = 25  
0 3 = 03  
0 5 = 05  
1 0 = 10  
1 1 = 11  
1 4 = 14  
2 0 = 20  
3 0 = 30

(3) Input Module
1 = Basic  
3 = 4 1/2 FAK, 7/8 FU  
4 = 8 1/2 FAK, 1 1/8 FU  
5 = 8 1/2 FAK, 1 3/8 FU  
7 = Piggyback & Ceiling Mount*  
9 = 4 1/2 FAK, 7/8 FU  
A = 8 1/2 FAK, 1 1/8 FU  
B = 8 1/2 FAK, 1 3/8 FU  
C = 8 1/2 FAK, 1 5/8 FU

(5) Output Module
1 = Basic  
3 = 4 1/2 FAK, 7/8 FU  
4 = 8 1/2 FAK, 1 1/8 FU  
5 = 8 1/2 FAK, 1 3/8 FU  
7 = Piggyback & Ceiling Mount*  
C = Optical Encoder (02-20) Sizes**  
D = Optical Encoder 4 1/2" AK, 5/8" U **(02 only)**  
E = Optical Encoder 4 1/2" AK, 7/8" U **(02 only)**

(6) Mounting Position
H = Horizontal  
D = Vertical, Input Down  
U = Vertical, Input Up  
L = Wall on Left (Viewing Input)  
R = Wall on Right (Viewing Input)  
Z = Horizontal, Marine Duty  
W = Vertical, Input Down, Marine Duty  
P = Vertical, Input Up, Marine Duty

(4) Control Logic
S = S - Air set clutch / light spring set brake with Air assist  
A = A - Air set clutch / medium spring set brake  
B = B - Air set clutch / heavy spring set brake  
C = C - Air set clutch / no brake  
D = SA - Air set clutch / medium spring set brake with Air assist  
E = SCP - Self centered piston / Air set clutch / Air set brake  
F = SA/ACP - Air centered piston / Air set clutch / medium spring set brake with Air assist  
G = B/ACP - Air centered piston / Air set clutch / heavy spring set brake  
P = P - Air set clutch / Air set brake (without springs)  
J = A/ACP - Air centered piston / Air set clutch / medium spring set brake

(7) Cooling
1 = Basic (Radiant)  
2 = Water Cooled  
5 = Fan Cooled***  
7 = Fan Cooled, Split Shroud***  
9 = Force Lube

Encoder
8
N = No Encoder. See How to Order Encoder for Ordering Number.

Control Valve
9
N = No Valve. See How to Order Valve for Ordering Number

Example
To order a size 2.5 Posidyne, C Face input for 184TC frame motor, with "S" Control Logic, output housing to accept encoder, horizontal mounting, basic cooling, with manifold mounted control valve.

Ordering Number 25-4SC-H-1/___/___

NOTES
* When Piggyback Mounting is required both input and output modules must be specified Piggyback. The motor frame size must also be specified to priddt and tap the motor mounting base.
** The Output Housing is machined to accept an encoder.
*** Not available on C Face input.