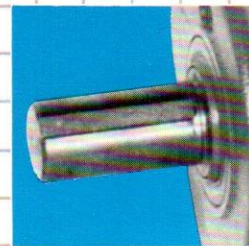
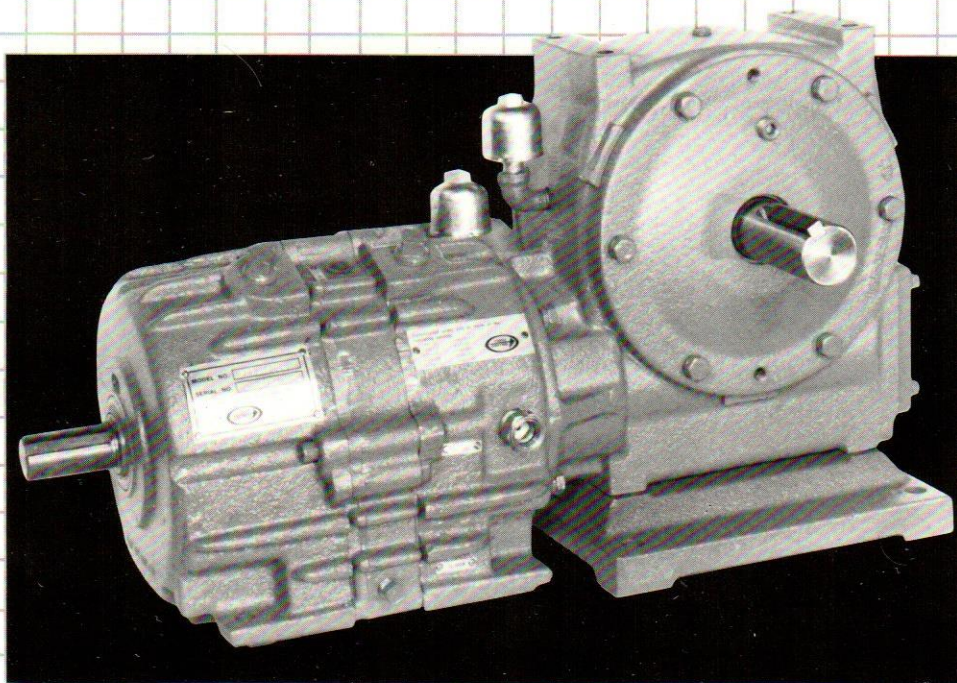


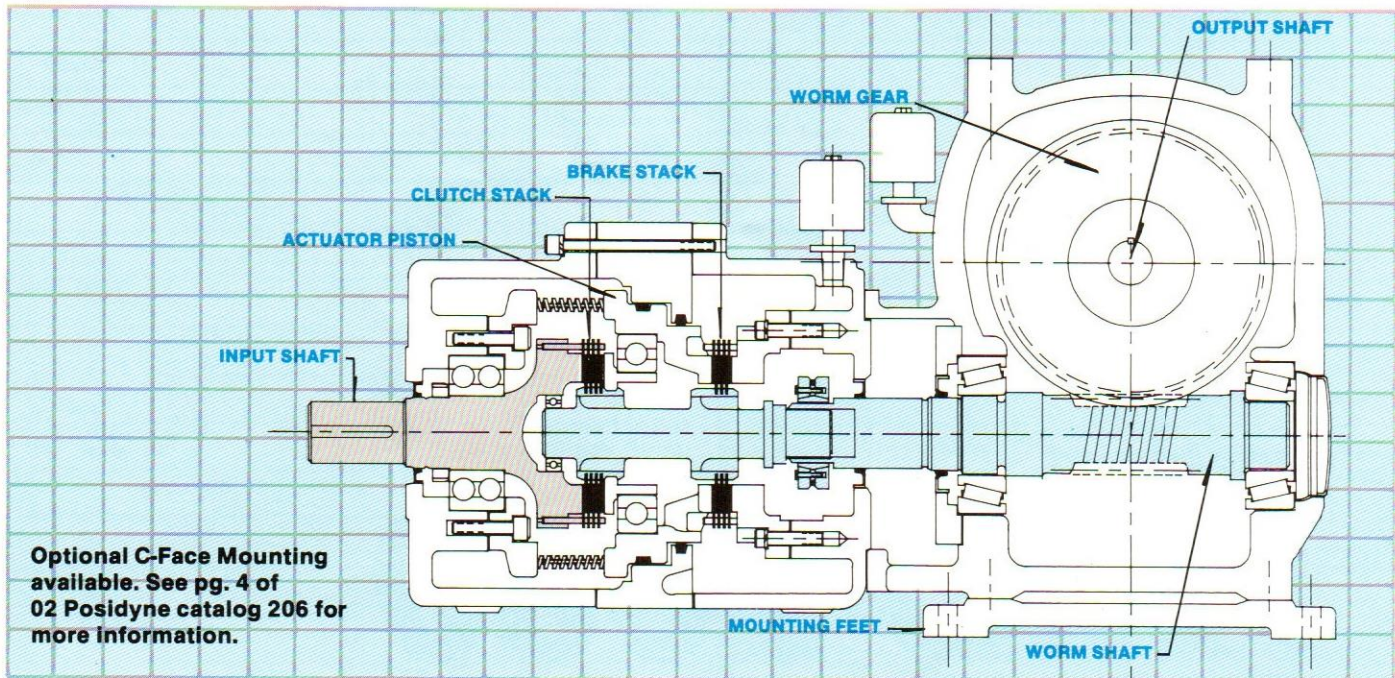
Posidyne

PMD 2000

**Packaged Machine Drive
for Durable Machine Control**



1/2 to 3 H.P. Durable Machine Drive



If you're setting up manufacturing automation lines, the PMD 2000 clutch brake drive is an ideal choice to drive your conveyor or actuator. This single-drive with integral reducing unit attached should be designed into your system. Here's why:

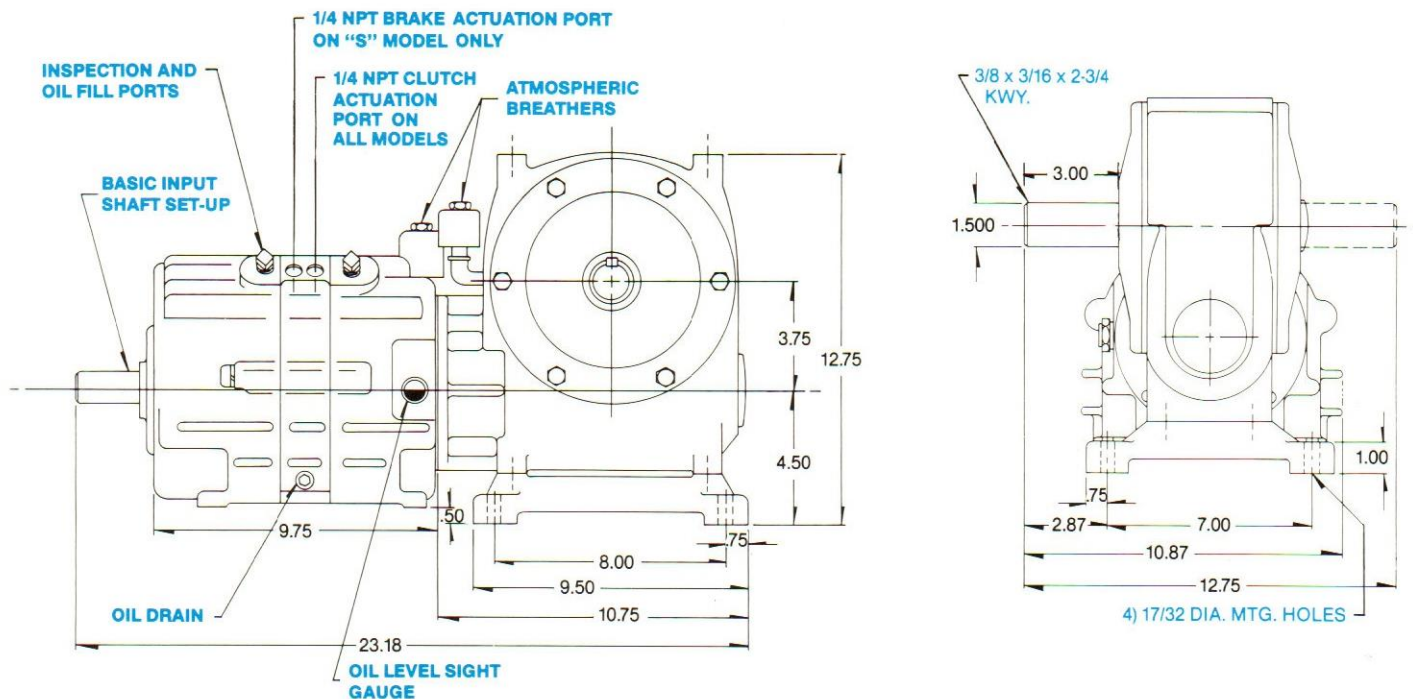
Features:

- Low reflected cyclic inertia
- Oil shear clutch and brake
- Spring set brake available
- Adjustable acceleration and deceleration
- Totally enclosed
- Keyless worm shaft to clutch/brake shaft connection
- Integral oil recirculation
- 4 bolt mounting
- 9 available gear ratios

Benefits:

- Cool running
- Energy efficient
- Low viscous drag
- Good service life
- Tuneable starting and stopping
- Unaffected by wet or oily environment
- Troublesome quills, couplings and keys eliminated between clutch/brake and reducer
- Quick installation
- Wide range of output speeds possible

Dimensions:



Specifications:

02 TYPE	CLUTCH TORQUE (LB.-INS.)		BRAKE TORQUE (LB.-INS.)				THERMAL HORSEPOWER ③			AIR REQ'D. PER ENGAGEMENT (CU.-INS.) ④	REFLECTED INERTIA OF CYCLIC PARTS (LBS.-FT. ²)	
	STATIC (HOLDING)	DYNAMIC	WITH SPRINGS ONLY		WITH AIR BOOST		BASIC	FAN COOLED	WATER COOLED			
			STATIC	DYNAMIC	STATIC	DYNAMIC						
①	S	400	320	15	12	400	320	Horizontal Mount .8 2 6			1	.03
②	A	300	240	100	80	—	—					
②	B	250	200	250	200	—	—	Vertical Mount .4 1.5 4				
①	C	300	240	—	—	—	—					

① Torque Ratings @ 60 PSIG

② Torque Ratings @ 80 PSIG

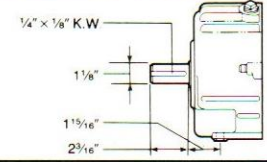
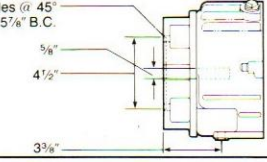
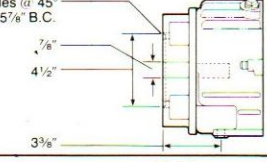
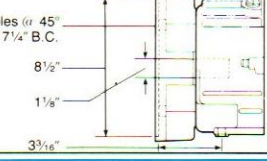
③ Ratings Based 1800 RPM

④ Multiply by 2 for Type S

GEAR REDUCER

		Ratio of Reduction								
		9:1	12:1	15:1	20:1	24:1	30:1	40:1	48:1	60:1
Output Speed	1750	194.4	145.8	116.7	87.5	72.9	58.3	43.7	36.5	29.2
	1150	127.8	95.8	76.7	57.5	47.9	38.3	28.7	24.0	19.2
Input H.P.	1750	8.3	6.72	5.72	4.62	3.84	3.35	2.71	2.19	1.87
	1150	7.02	5.67	4.86	3.90	3.27	2.87	2.31	1.88	1.62
Output H.P.	1750	7.55	5.97	4.96	3.86	3.16	2.57	1.96	1.54	1.17
	1150	6.31	4.97	4.13	3.19	2.63	2.13	1.61	1.27	.96
Output Torque in. lbs.	1750	2448	2580	2670	2780	2730	2780	2820	2660	2520
	1150	3141	3260	3380	3490	3460	3500	3520	3320	3160
Efficiency	1750	91%	89%	87%	84%	82%	77%	72%	70%	62%
	1150	90%	88%	85%	82%	80%	74%	70%	67%	60%
Currently Stocked		*		*	*		*	*		*

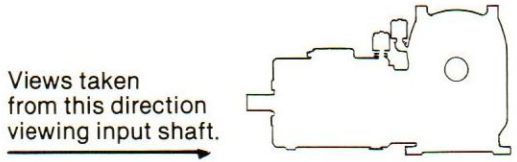
How to Order:

INPUT MODULE	LOGIC TYPE	RATIO
Basic Input 1 1/8" Dia. Shaft 	S Air Set Clutch Light Spring Set Brake w/ Air Boost	9 12 15
C-Face* 4 1/2" Dia. 5/8" Bore 	A Air Set Clutch Medium Spring Set Brake	20 24
C-Face* 4 1/2" Dia. 7/8" Bore 	B Air Set Clutch Heavy Spring Set Brake	30 40
C-Face* 8 1/2" Dia. 1 1/8" Bore 	C Air Set Clutch Only	48 60

*When selecting C-Face input mounting options, check motor tenon diameter (AK dimensions) and motor shaft diameter (U dimensions) against dimensional data.

Mounting and Cooling Options:

- VIU - Vertical Input Up
- VID - Vertical Input Down
- WR - Wall Right (viewing I.P. SH.)
- WL - Wall Left (viewing I.P. SH.)
- WC - Water Cooled
- FC - Fan Cooled



The ordering system:

The PMD 2000 for your application may be described using the modules, logic type and ratios from this chart.

A PMD 2000, 2HP @ 1800 RPM, No. 3 C-Face, Type B Logic, 24:1 Gear Ratio, Right hand shaft "E" Assembly Configuration, and Water Cooling should be ordered as follows:

PMD 2000

*2 HORSE POWER MOTOR

*1800 RPM MOTOR

* Leave blank if motor is not to be finished

INPUT MODULE

LOGIC TYPE

GEAR RATIO

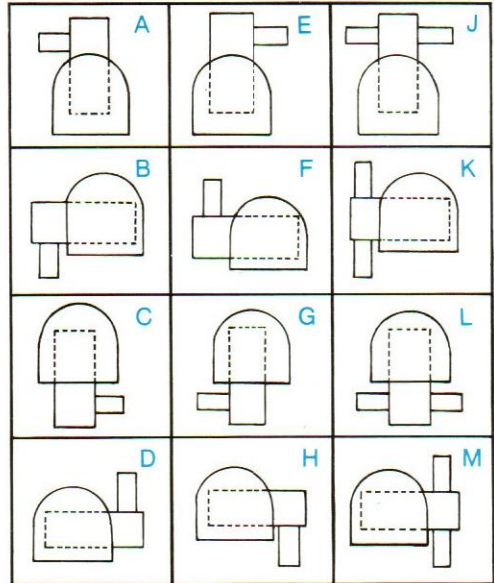
PMD2	2	1800	3	B	24	E	WC
PMD2							

ASSEMBLY POSITION

MOUNTING & COOLING OPTIONS

To order, just fill in requested information and options as shown in this example: Feel free to use this blank line as a worksheet when noting your desired characteristics and options.

Assembly Options Chart



Use this chart to select locations of output shaft.



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