

CLUTCH/BRAKES

“Air Champ”

FMCE CLUTCHES

FMCE Flange Mounted Clutches are excellent in hostile, dirty environments where only a clutch is required. The totally enclosed design functions perfectly in areas where dirt, dust, moisture or other contaminants interfere. Choose from **4 Models:**

- ▶ Static Torque up to 1050 In. Lbs.
- ▶ Thermal Horsepower rating up to 0.18 @ 1800 rpm
- ▶ **Bore sizes** of 0.625 to 1.375 inches
- ▶ Available in black oxide coating
- ▶ Overhung Load Capacity up to 525 pounds
- ▶ Design Speed up to 1800 rpm. Consult factory for higher speed
- ▶ Mounts either vertically or horizontally
- ▶ Operates on static air pressure, requiring no expensive control system
- ▶ Optional Foot Mount is available for offset drive applications
- ▶ Optional Input Unit allows you to incorporate pulleys or coupling into your application

FMCE CLUTCH, TOTALLY ENCLOSED

Standard Clutch-Brake is Flange Mounted. Order Foot Mount set separately for offset drive applications. Order Input Unit to incorporate pulleys into your application.

Model Number	Product Number	Bore (In)	HP _T Up To	OVERHUNG LOAD CAPACITY (LBS)		Shipping Wt. (Lbs)
				1200 RPM	1800 RPM	
FMCE-625	801489	0.625	0.14	138	92	24
FMCE-875	801493	0.875	0.18	292	195	40
FMCE-1125	964409	1.125	0.33	360	240	68
FMCE-1375	964410	1.375	0.44	525	350	89

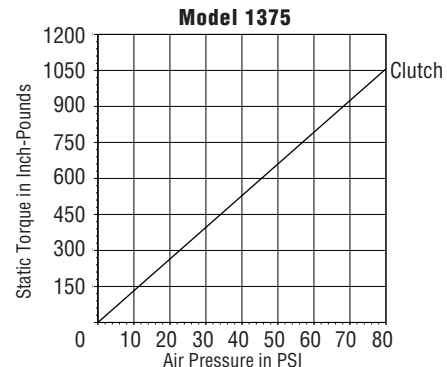
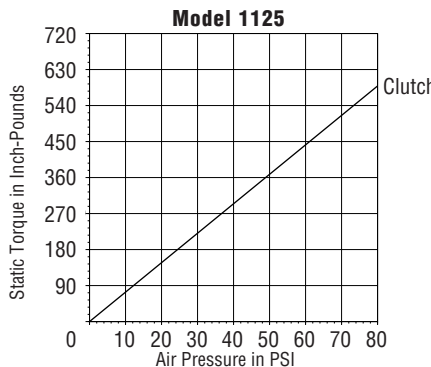
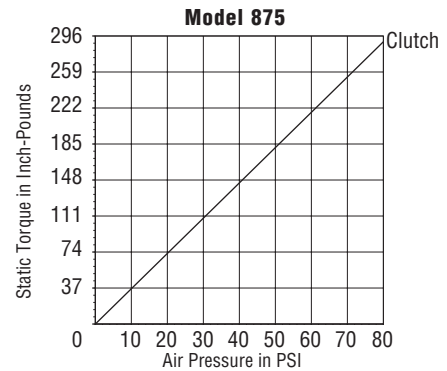
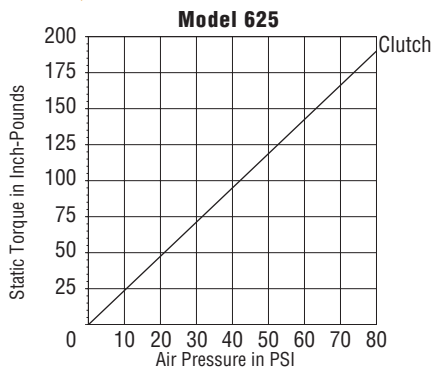
Model Number	Product Number	Foot Mount Set (2 Mounts) Product Number	Shipping Wt. (Lbs)	Input Unit Product Number	Shipping Wt. (Lbs)
FMCE-625,	801489	801431	4	929600	7
FMCE-875	801493	801431	4	928400	7
FMCE-1125	964409	801603	6	935000	12
FMCE-1375	964410	801603	6	936000	13

NEMA MOTOR/FRAME SELECTION CHART

Use this chart as specification and operational criteria for your application.

HP of Motor	RPM	Frame Number	Motor Shaft (IN)	Clutch-Brake Model Number	HP of Motor	RPM	Frame Number	Motor Shaft (IN)	Clutch-Brake Model Number
1/4	1800	56C	0.625	FMCE-625	1-1/2	1800	145TC	0.875	FMCE-875
1/4	1200	56C	0.625	FMCE-625	1-1/2	1200	182TC	1.125	FMCE-1125
1/3	1800	56C	0.625	FMCE-625	1-1/2	900	184TC	1.125	FMCE-1125
1/3	1200	56C	0.625	FMCE-625	2	1800	145TC	0.875	FMCE-875
1/2	1800	56C	0.625	FMCE-625	2	1200	184TC	1.125	FMCE-1125
1/2	1200	56C	0.625	FMCE-625	2	900	213TC	1.375	FMCE-1375
1/2	900	143TC	0.875	FMCE-875	3	1800	182TC	1.125	FMCE-1125
3/4	1800	56C	0.625	FMCE-625	3	1200	213TC	1.375	FMCE-1375
3/4	1200	143TC	0.875	FMCE-875	3	900	215TC	1.375	FMCE-1375
3/4	900	145TC	0.875	FMCE-875	5	1200	215TC	1.375	FMCE-1375
1	1800	56TC	0.625	FMCE-625	5	1800	184TC	1.125	FMCE-1125
1	1800	143TC	0.875	FMCE-875	7-1/2	1800	213TC	1.375	FMCE-1375
1	1200	145TC	0.875	FMCE-875	10	1800	215TC	1.375	FMCE-1375
1	900	182TC	1.125	FMCE-1125					

TORQUE VS. AIR PRESSURE



NOTE: Dynamic torque is approximately 85% of static torque.