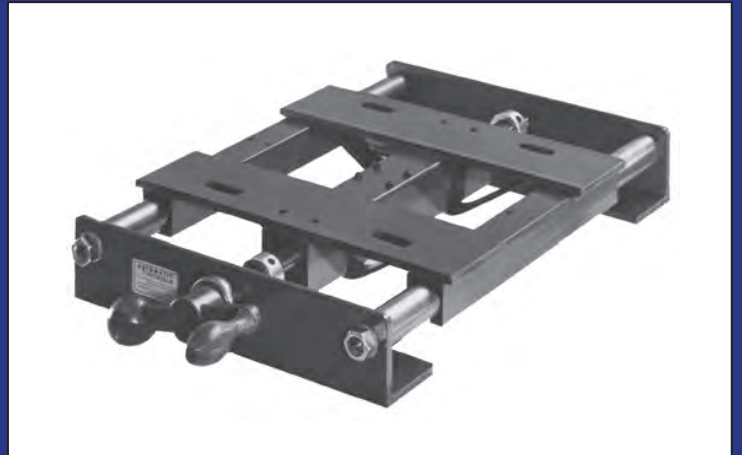
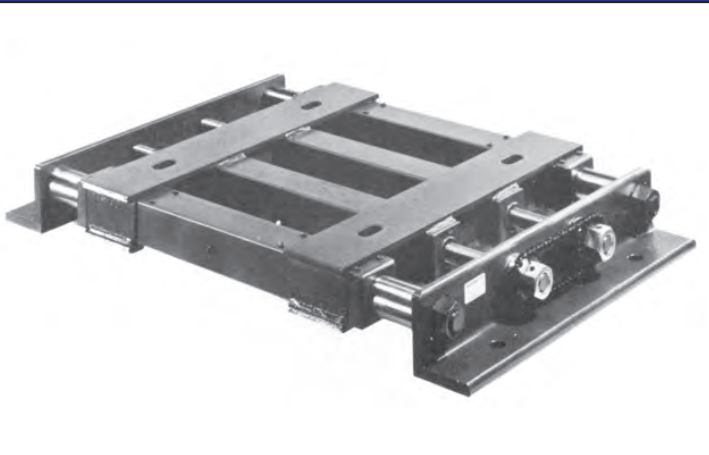


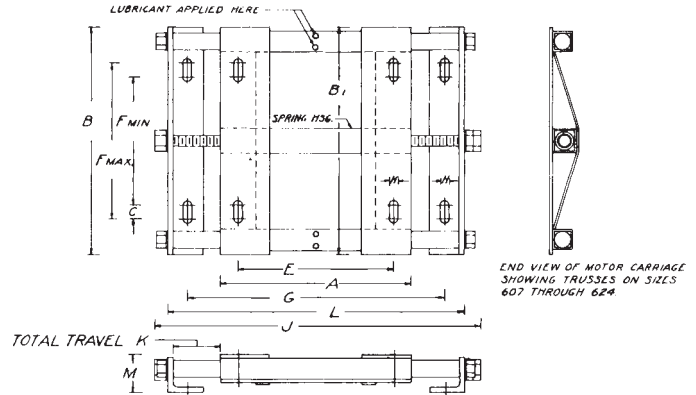
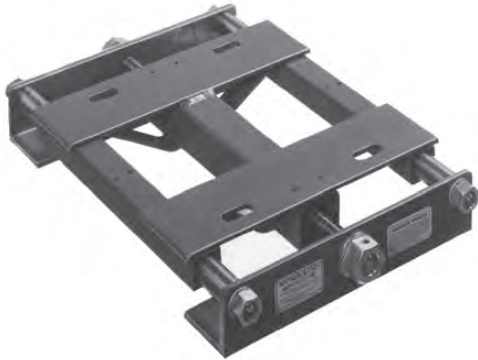
PermaTORQ

“AUTOMATIC”[®] BASES FOR 1/4 TO 500 H.P.



PermaTORQ

The 600 Series "Automatic"® Motor Base

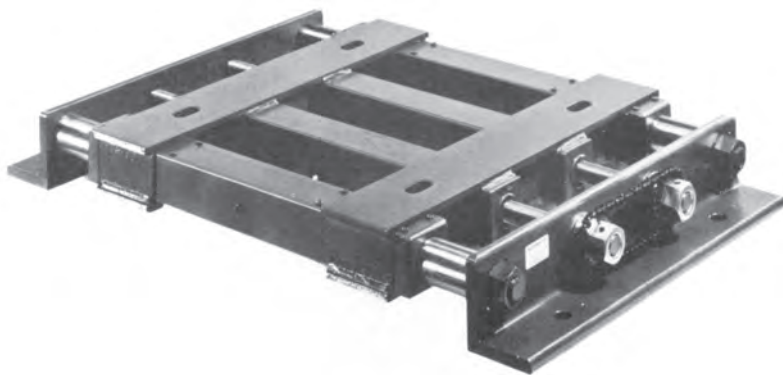


A VERTICAL BASE SHOULD BE SPECIFIED WHERE THE RAILS OF THE BASE ARE TO BE INCLINED AT AN ANGLE OF 30° OR MORE FROM THE HORIZONTAL, AND WHERE THE MOTOR SHAFT IS HIGHER THAN THE DRIVEN SHAFT.

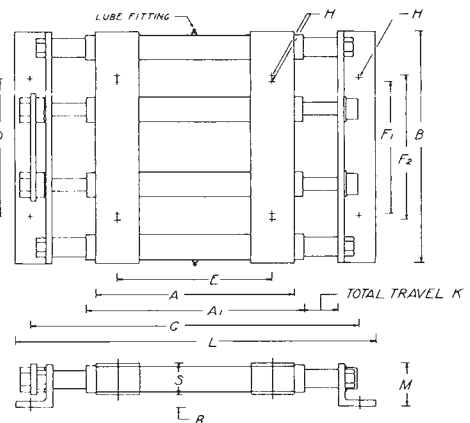
The 600 Series is for use with motors having a fixed diameter pulley. The 600 automatically compensates for variations in load, the expansion of belts due to centrifugal force and normally occurring belt stretch. This compensation is obtained by the unique combination of a one piece, freely movable, chatterless carriage acted upon by a spring contained within the carriage.

BASE NO.	NEMA Frame Equivalent		Max. Motor Wt.	Min. Pulley Dia.	A	B	B ₁	C	E	F _{MIN}	F _{MAX}	G + 1/2	H	J	K	L	M	WT.	
	Horizontal	Vertical																	
601		602	48-56	50	2	6 1/4	5 1/4	6 1/4	1/2	4 1/4	2 1/2	3 1/2	7	1 1/2	9 1/2	2 1/4	8 1/2	1 1/4	5
603		604	66	70	2	7 3/4	8 3/4	8 3/4	1/2	5 1/4	4 1/4	5 1/4	8 1/4	1 1/2	11 1/4	2 1/4	10 1/4	1 1/4	6
605		606	143-145	90	2	7	8 1/4	8 1/4	1/2	5 1/4	3 1/4	5 1/4	8 1/4	1 1/2	11 1/4	3	10 1/4	1 1/4	10
607		608	182-184	110	2 1/2	9	9 3/4	9 3/4	1/2	7 1/4	4 1/4	5 1/4	10 1/4	1 1/2	14 1/4	3	12 1/4	2 1/4	18
613		614	213-215	175	3	10 1/2	11 1/2	11 1/2	1/2	8 1/4	5 1/4	7 1/4	11 1/4	1 1/2	16 1/4	3 1/4	14 1/4	2 1/4	30
621		622	254-256	280	4	12 1/2	15 1/2	15 1/2	1	10	8 1/4	10 1/4	14 1/4	1 1/2	19 1/4	4	17 1/4	3 1/4	50
623			284-286	400	4 1/2	14	16 1/4	17	1	11	9 1/4	11 1/4	17 1/4	1 1/2	22 1/4	5	19 1/4	3 1/4	65
624																			

The DX-900 General Purpose "Automatic"® Motor Base



WHERE SHOWN IN THIS DRAWING, THE MOTOR BASE SHALL BE BUILT TO THE DIMENSIONS SPECIFIED. THE MOTOR BASE SHALL BE BUILT TO THE DIMENSIONS SPECIFIED. THE MOTOR BASE SHALL BE BUILT TO THE DIMENSIONS SPECIFIED.



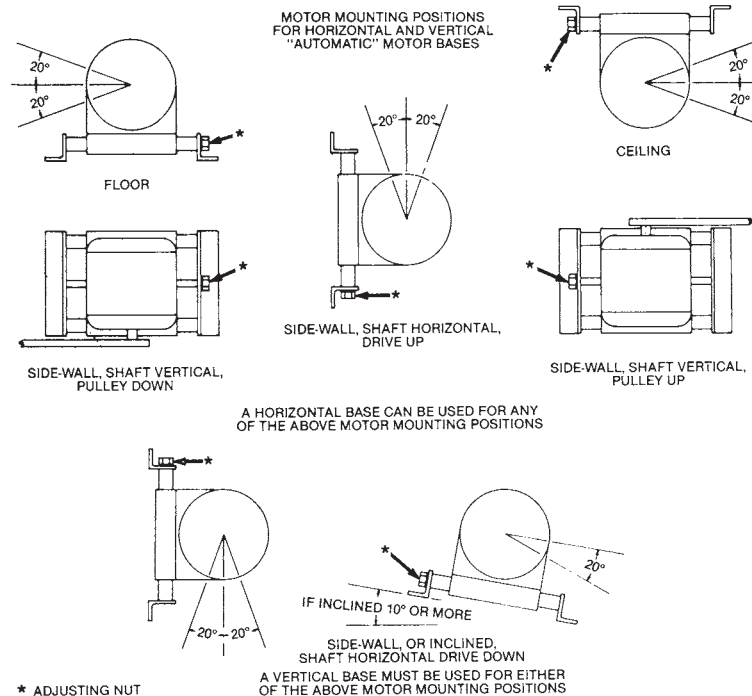
The DX-900 Series is for use with motors having a fixed diameter pulley. The accompanying chart lists information on Horsepower rating and minimum pulley diameter for determining the correct base. The 900 Series can be depended upon to give excellent performance where pumps, compressors, fans, blowers and similar types of equipment are involved

BASE NO.	NEMA Frame Equivalent		Capacity HP @ 1800 or Equivalent	Min. Pulley Dia.	A	A ₁	B	D	E	F	F ₁	G	H	K	L	M	R	S	WT.	
	Horizontal	Vertical																		
DX-925		DX-926	324-326	50	7	16	18 1/2	19 1/2	11	12 1/2	10 1/2	12	26 1/2	1 1/2	5	29 1/4	4 1/4	1 1/4	2 1/4	140
DX-927		DX-928	364-365	75	9	18	20 1/2	20	12	14	11 1/2	12 1/2	29 1/2	1 1/2	5 1/4	32	4 1/4	1 1/4	2 1/4	160
DX-929		DX-930	404-405	100	11	20	22 1/2	22 1/2	13	16	12 1/2	13 1/2	32	1 1/2	6	34 1/4	4 1/4	1 1/4	2 1/4	165
DX-931		DX-932	444-445	150	11	22	24 1/2	24 1/2	15 1/2	18	14 1/2	16 1/2	35	1 1/2	7	37 1/4	4 1/4	1 1/4	3 1/4	175
DX-933		DX-934	447	200	11	22	24 1/2	27 1/2	20	18	20	35	1 1/2	7 1/4	37 1/4	4 1/4	1 1/4	3 1/4	215	
																				245
																				250
																				275
																				335
																				370

BASES FOR MOTORS HAVING FRAMES LARGER THAN 447, AND FOR MOTORS UP TO 500 H.P., ARE BUILT TO ORDER.

PermaTORQ

Motor Mounting Positions



The Proper Application of an "Automatic"[®] Motor Base:

- Eliminate many sources of machine down time.
- Continuously maintains the rated speed of the driven equipment.
- Results in a substantial increase in belt life.
- Eliminates one of the main causes of bearing failures in motors.

We are sure that you will see the advantages of our "Automatic"[®] motor bases when you recognize that they:

- May be mounted in any position, floor, ceiling, or sidewall with the motor shaft vertical or horizontal.
- Will allow motor rotation to be **clockwise**

or counterclockwise maintaining constant belt tension

- Are a must for areas that are not readily accessible.
- Adjustments to provide proper tension are made while the motor is operating under load.
- Can be used in "shock loaded" situations.
- Have a one piece carriage resulting in a non-binding smooth movement.
- Compact design – less space required than tilting or pivoting bases.
- Are low cost when considering the time saved by maintenance personnel, extended life of belts and bearings and greater uptime of the equipment on which they are used.

We pioneered the concept of fabricated motor bases and rails over 50 years ago. With the addition of our Adapt-O-Mounts (transition bases), Sugar Scoops and now the "Automatic"[®] Motor Base, we have the worlds most complete line of motor mounting products – and most of these are in stock.

We will quickly provide "specials" to your design or we will design to your specifications.

PermaTORQ

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