

## Horizontal Mount Selection Method

1. Check TABLES 2 thru 5 to determine pump flange size.
2. Measure the pump shaft length from the shaft end to the flange mounting face and ADD to the motor shaft length shown in TABLE 6. An additional 1/16 inch (minimum) is recommended for shaft end clearance.
3. Refer to the appropriate TABLE (7 thru 11) according to the NEMA motor frame size and locate the applicable pump flange selection from STEP 1, above.
4. Select the mount length option (dimension 'XM' or 'M' in tables) based on the minimum length determined in STEP 2, above.
5. Check for proper clearance between the mount inner surfaces and the coupling O.D. (dimension 'Z' and 'CL' in tables). Dimensional data for Magnaloy Couplings is shown in TABLE 1 for reference. A complete Magnaloy Coupling catalog is available upon request or visit [www.magnaloy.com](http://www.magnaloy.com).

Consult your Magnaloy Distributor for Magnaloy's Product CD ROM which includes the Magnaloy Pump/Motor Mount Selection Program for easy, computerized mount selection.

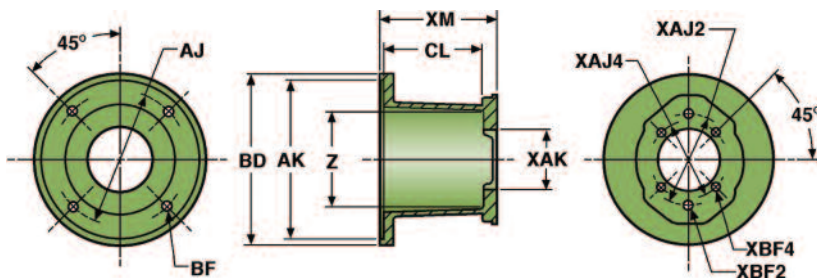


TABLE 7 - NEMA Frames 56C, 143TC/145TC, 182UC/184UC  
Horizontal Mounting (or Vertical Mounting - Option A)

MOTOR END DATA		PUMP END DATA					3.50 LENGTH			4.25 LENGTH			4.50 LENGTH				
AJ	BF	BD	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	MOUNT NO.	CL	XM	MOUNT NO.	CL	XM	MOUNT NO.	CL	XM
5.88	7/16	6.81	4.501														
USA4F17	4 Bolt	1.782					2.84	5/16-18	M056354F	2.81	3.50	M056424F	3.56	4.25	M056454F	3.81	4.50
SAE AA	2 Bolt	2.001	3.25	3/8-16					M056352AA	2.81	3.50	M056422AA	3.56	4.25	M056452AA	3.81	4.50
SAE 2A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16			M056352A	2.81	3.50	M056422A	3.56	4.25	M056452A	3.81	4.50
80 2A/B4	2(4) Bolt	80.01mm	109mm	3/8-16	103mm	5/16-18			M0563580M	2.81	3.50	M0564280M	3.56	4.25	M0564580M	3.81	4.50
80 S4	4 Bolt	80.01mm			100mm	5/16-18			M0563580MS	2.81	3.50	M0564280MS	3.56	4.25	M0564580MS	3.81	4.50

MOTOR END DATA		PUMP END DATA					5.00 LENGTH			5.25 LENGTH				
AJ	BF	BD	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	MOUNT NO.	CL	XM	MOUNT NO.	CL	XM
5.88	7/16	6.81	4.501											
USA4F17	4 Bolt	1.782					2.84	5/16-18	M056504F	4.31	5.00	M056524F	4.56	5.25
SAE AA	2 Bolt	2.001	3.25	3/8-16					M056502AA	4.31	5.00	M056522AA	4.56	5.25
SAE 2A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16			M056502A	4.31	5.00	M056522A	4.56	5.25
SAE 2B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13			M056502B*	3.93	5.00	M056522B*	4.18	5.25
80 2A/B4	2(4) Bolt	80.01mm	109mm	3/8-16	103mm	5/16-18			M0565080M	4.31	5.00	M0565280M	4.56	5.25
80 S4	4 Bolt	80.01mm			100mm	5/16-18			M0565080MS	4.31	5.00	M0565280MS	4.56	5.25
80 S4	4 Bolt	80.01mm			100mm	5/16-18			M05650100M*	3.93	5.00	M05652100M*	4.18	5.25