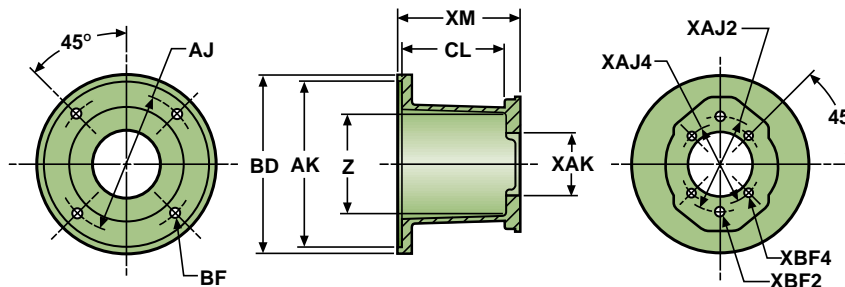


## Horizontal Mount Selection Method

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.



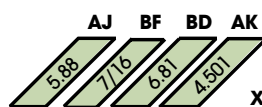
**TABLE 7 - NEMA Frames 56C, 143TC/145TC, 182UC/184UC**

**Horizontal Mounting (or Vertical Mounting - Option A)**

MOTOR END DATA		PUMP END DATA					MOUNT NO.		CL XM		MOUNT NO.		CL XM		MOUNT NO.		CL XM		
AJ	BF	BD	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	CL	XM	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 A	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 A2/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		

RADIAL CLEARANCE "Z" = 4.15

**MOTOR END DATA**



RADIAL CLEARANCE "Z" = 4.15

\*RADIAL CLEARANCE "Z" = 4.10

MOTOR END DATA		PUMP END DATA					MOUNT NO.		CL XM		MOUNT NO.		CL XM		MOUNT NO.		CL XM		
AJ	BF	BD	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	CL	XM	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			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 A	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 B	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 A2/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					
100 A2/B4	2(4) Bolt	100.01mm	140mm	1/2-13	125mm	3/8-16			M05650100M*	3.93	5.00	M05652100M*	4.18	5.25					

PUMP FLANGE

PUMP END DATA

5.00 LENGTH

5.25 LENGTH