

# Vertical Welded Steel Mounts

**MAGNALOY'S VERTICAL WELDED STEEL MOUNTS** utilize an Oversize Motor Flange-Tank Top Mounting design. Tank top openings (TD) and mounting hole dimensions (XT & T) are shown on the following drawing and tables. The Vertical Welded Steel Pump/Motor Mounts are also available for metric size motors and pumps, consult factory for special requirements. To select a welded steel vertical mount follow the selection method detailed on page 21. The length determined will be the minimum length recommended, additional length can be added depending upon coupling selection, consult factory for further assistance.

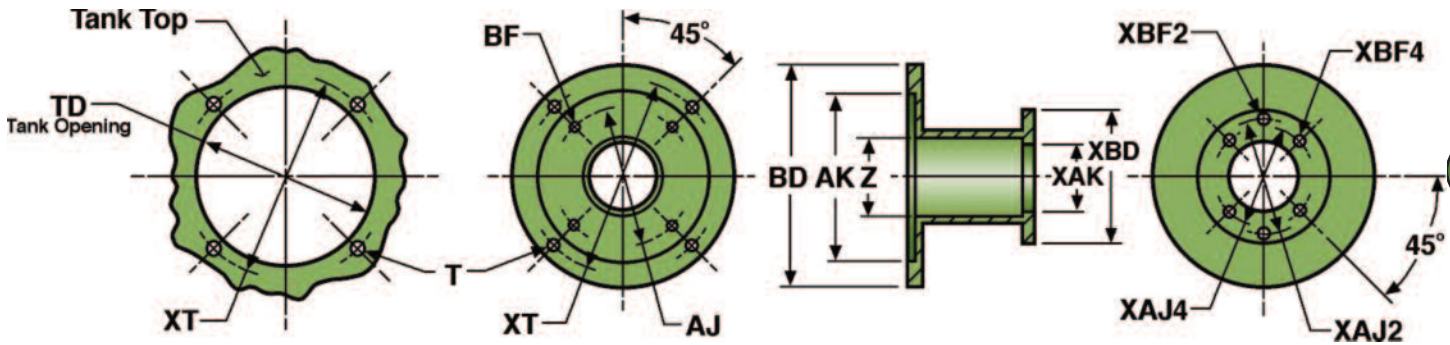


TABLE 24 - NEMA 56C, 143TC/145TC, 182UC/184UC

MOTOR END DATA			RADIAL CLEARANCE "Z" = 4.03 MOUNTING HOLE DIA. "T" = 17/32								MOUNT NO.	(METRIC SIZES ALSO AVAILABLE)		
AJ	BF	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	XBD	BD	XT			TD	
5.88	7.16	4.501												
USA4F17	4 Bolt	1.782				2.84	5/16-18	5.25	11.38	10.25	9.125	S056 -- 4FV		
SAE AA	2 Bolt	2.001	3.25	3/8-16				5.25	11.38	10.25	9.125	S056 -- 2AAV		
SAE A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16		5.25	11.38	10.25	9.125	O56 -- 2AFV		
SAE B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13		7.00	11.38	10.25	9.125	S056 -- 2BV		
SAE C	2(4) Bolt	5.001	7.12	5/8-11	6.38	1/2-13		8.25	11.38	10.25	9.125	S056 -- 2CV		

TABLE 25 - NEMA 182TC - 256TC, 254UC/256UC

MOTOR END DATA			RADIAL CLEARANCE "Z" = 5.04 MOUNTING HOLE DIA. "T" = 17/32								MOUNT NO.	(METRIC SIZES ALSO AVAILABLE)		
AJ	BF	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	XBD	BD	XT			TD	
7.25	17/32	8.501												
USA4F17	4 Bolt	1.782				2.84	5/16-18	6.00	11.38	10.25	9.125	S182 -- 4FV		
SAE AA	2 Bolt	2.001	3.25	3/8-16				6.00	11.38	10.25	9.125	S182 -- 2AAV		
SAE A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16		6.00	11.38	10.25	9.125	S182 -- 2AV		
SAE B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13		7.00	11.38	10.25	9.125	S182 -- 2BV		
SAE C	2(4) Bolt	5.001	7.12	5/8-11	6.38	1/2-13		8.25	11.38	10.25	9.125	S182 -- 2CV		
SAE D	2(4) Bolt	6.001	9.00	3/4-10	9.00	3/4-10		10.50	12.62	11.50	11.00	S182 -- 2DV		

**TABLE 26 - NEMA 284TC/TSC - 286TC/TSC, 284UC/286UC**

MOTOR END DATA		RADIAL CLEARANCE "Z" = 6.06 MOUNTING HOLE DIA. "T" = 17/32										MOUNT NO.	(METRIC SIZES ALSO AVAILABLE)
AJ	BF	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	XBD	BD	XT	TD		
SAE A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16	7.00	13.50	12.25	10.75	S284 -- 2AV		
SAE B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13	7.00	13.50	12.25	10.75	S284 -- 2BV		
SAE C	2(4) Bolt	5.001	7.12	5/8-11	6.38	1/2-13	8.25	13.50	12.25	10.75	S284 -- 2CV		
SAE D	2(4) Bolt	6.001	9.00	3/4-10	9.00	3/4-10	10.50	13.50	12.25	10.75	S284 -- 2DV		
SAE E	2(4) Bolt	6.501	12.50	1-8	12.50	3/4-10	15.00	18.00	16.50	15.25	S284 -- 2EV		
SAE F	2(4) Bolt	7.001	13.78	1-8	13.78	1-8	16.00	19.50	18.00	16.50	S284 -- 2FV		

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**TABLE 27 - NEMA 324TC/TSC - 405TC/TSC, 324UC/USC - 405UC/USC**

MOTOR END DATA		RADIAL CLEARANCE "Z" (See Below) MOUNTING HOLE DIA. "T" = 21/32										MOUNT NO.	(METRIC SIZES ALSO AVAILABLE)
AJ	BF	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	XBD	Z	BD	XT		
SAE A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16	9.25	7.98	18.00	16.50	15.25	S324 -- 2AV	
SAE B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13	9.25	7.98	18.00	16.50	15.25	S324 -- 2BV	
SAE C	2(4) Bolt	5.001	7.12	5/8-11	6.38	1/2-13	9.25	7.98	18.00	16.50	15.25	S324 -- 2CV	
SAE D	2(4) Bolt	6.001	9.00	3/4-10	9.00	3/4-10	10.50	7.98	18.00	16.50	15.25	S324 -- 2DV	
SAE E	2(4) Bolt	6.501	12.50	1-8	12.50	3/4-10	15.00	7.98	18.00	16.50	15.25	S324 -- 2EV	
SAE F	2(4) Bolt	7.001	13.78	1-8	13.78	1-8	16.00	16.00	19.50	18.00	16.50	S324 -- 2FV	

**TABLE 28 - NEMA 444TC/TSC - 449TC/TSC, 444UC/USC - 449UC/USC**

MOTOR END DATA		RADIAL CLEARANCE "Z" = 10.02 MOUNTING HOLE DIA. "T" = 21/32										MOUNT NO.	(METRIC SIZES ALSO AVAILABLE)
AJ	BF	AK	XAK	XAJ2	XBF2	XAJ4	XBF4	XBD	BD	XT	TD		
SAE A	2(4) Bolt	3.251	4.19	3/8-16	4.12	3/8-16	11.25	19.50	18.00	16.50	S444 -- 2AV		
SAE B	2(4) Bolt	4.001	5.75	1/2-13	5.00	1/2-13	11.25	19.50	18.00	16.50	S444 -- 2BV		
SAE C	2(4) Bolt	5.001	7.12	5/8-11	6.38	1/2-13	11.25	19.50	18.00	16.50	S444 -- 2CV		
SAE D	2(4) Bolt	6.001	9.00	3/4-10	9.00	3/4-10	11.25	19.50	18.00	16.50	S444 -- 2DV		
SAE E	2(4) Bolt	6.501	12.50	1-8	12.50	3/4-10	15.00	19.50	18.00	16.50	S444 -- 2EV		
SAE F	2(4) Bolt	7.001	13.78	1-8	13.78	1-8	16.00	19.50	18.00	16.50	S444 -- 2FV		