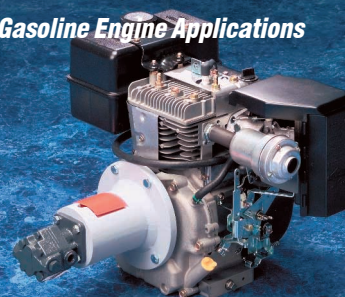


HYDRA-MOUNT CORPORATION

Electric Motor Applications



Gasoline Engine Applications



PUMP/MOTOR MOUNTING BRACKETS AND COUPLINGS

Table Of Contents

Engine/Pump Mount Part Number Selection	2
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NEMA Electric Motor "C" Face Motor Dimensions	20
Flexible Shaft Couplings	20
Fluid Power Formulas And Metric Conversions	Inside Back Cover

All pump mounts are made of aluminum alloy for a strong light weight part.

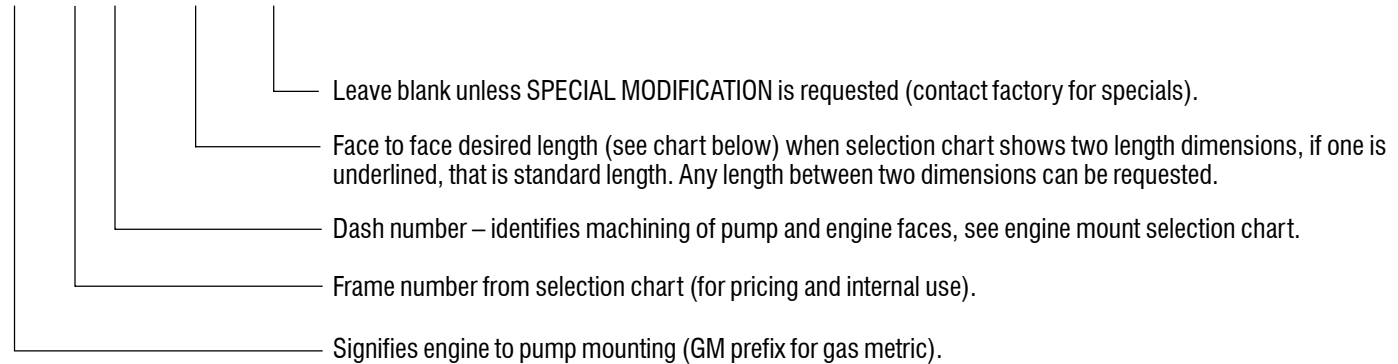
*Next day expedited service available on any part in catalog.

* Order quantity limited

ENGINE/PUMP MOUNT PART NUMBER SELECTION

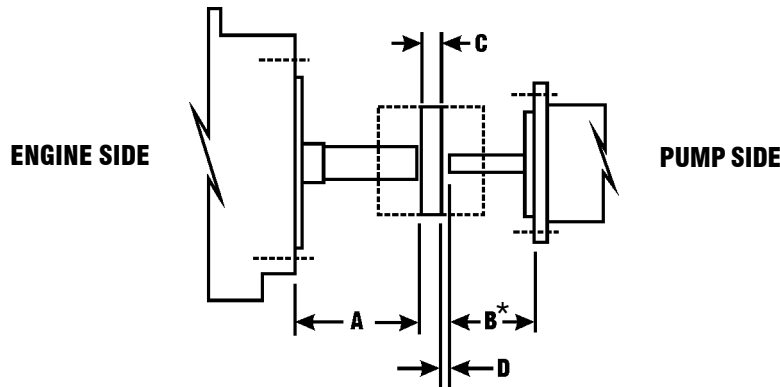
EXAMPLE:

G 16-134 6.00 XXX



CASTING FACE TO FACE LENGTH = $A+B+C+D$

*Be sure coupling hub bore length is not longer than pump shaft.



The above dimensional information must be obtained from actual measurement or from engine, pump, and coupling manufacturers catalog.

A- Engine shaft length including pilot depth to engine block.

B*- Pump shaft length including pilot depth to pump flange mounting face. (In some applications this can be coupling hub bore length if pump shaft is short).

C- Width of flexible coupling insert.

D- Clearance as required, normally $\frac{1}{16}$ " to $\frac{1}{2}$ ".

Note:

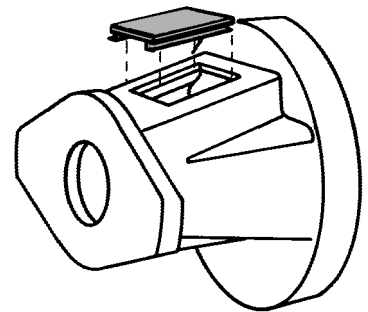
1. If shaft and coupling stack up does not provide for "D" clearance, consideration should be made to shorten engine shaft or select a shaft coupling with thru hole in insert for shaft clearance.

2. All 2 bolt pump mounting holes are horizontal unless requested for other position.

Safety Note:

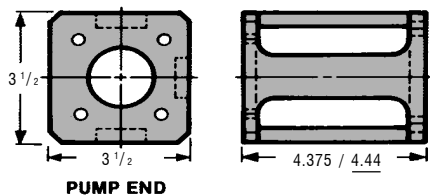
In locations where coupling access is not covered or where body, loose clothing or equipment may be exposed to rotating coupling, this cover must be used.

Part number of access cover is listed with each mount number along with quantity required.



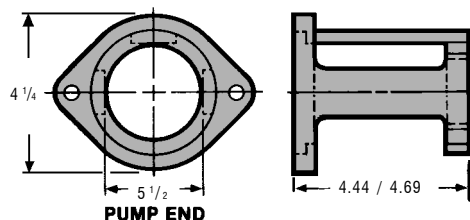
ENGINE MOUNT SELECTION CHART “G” SERIES

Frame Number	Pump Flange	Engine Data		
		Bolt Circle 3 ⁵ / ₈ " Pilot Diameter (none) 1.780 Clearance Diameter	Bolt Circle 3 ⁵ / ₈ " Pilot Diameter 1.625	Bolt Circle 6 ¹ / ₂ " Pilot Diameter 5.750



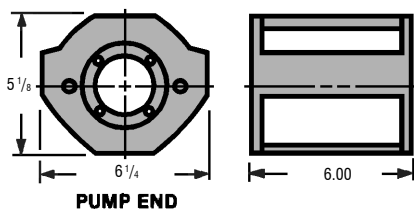
Mount Basic Data
Access Cover AC10 (1 Required)
Maximum Coupling Diameter 2¹/₂"
Approximate Weight 1 lb. 3 oz.

10	4F17	-101	-102	
----	------	------	------	--



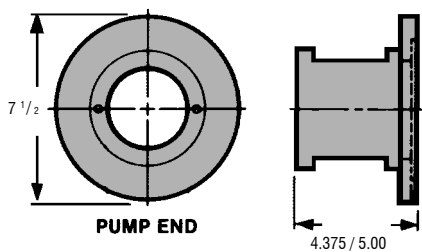
Mount Basic Data
Access Cover AC11 (1 Required)
Maximum Coupling Diameter 2¹/₂"
Approximate Weight 1 lb. 6 oz.
Standard Lengths
4.44 SAE A A 2 Bolt
4.69 SAE A 2 Bolt

11	SAE A A 2 Bolt	-105	-106	
	SAE A 2 Bolt	-107	-108	



Mount Basic Data
Access Cover AC12 (1 Required)
Maximum Coupling Diameter 4"
Approximate Weight 2 lb. 11 oz.

12	SAE A 2 Bolt	-109	-110	
----	--------------	------	------	--



Mount Basic Data
Access Cover AC13 (2 Required)
Maximum Coupling Diameter 3¹/₂"
Approximate Weight 3 lb. 2 oz.
SAE A 4 Bolt available
Heavy casting, similar to G300

13	4F17*			-111
	SAE A A 2 Bolt			-112
	SAE A 2 Bolt			-113

*Will accept coupling assembly aid- see page 18 for explanation.

ENGINE MOUNT SELECTION CHART “G” SERIES CONTINUED

Frame Number	Pump Flange	Engine Data		
		Bolt Circle 3 ⁵ / ₈ " Pilot Diameter (none) 1.780 Clearance Diameter	Bolt Circle 3 ⁵ / ₈ " Pilot Diameter 1.625	Bolt Circle 6 ¹ / ₂ " Pilot Diameter 5.750

Mount Basic Data
 Access Cover AC100 (2 Required)
 Maximum Coupling Diameter 3¹/₂"
 Approximate Weight 2 lb. 2 oz.
 Available with no cover openings

300	4F17*			- 400
	SAE AA 2 Bolt			- 401
	SAE A 2 Bolt			- 402

*May replace the 13 Frame on light to medium duty applications.
 *Will accept coupling assembly aid- see page 18 for explanation.

Mount Basic Data
 Access Cover AC14 (2 Required)
 Maximum Coupling Diameter 3¹/₂"
 Approximate Weight 2 lb. 2 oz.

14	4F17*			-114
	SAE AA 2 Bolt			-115
	SAE A 2 Bolt			-116

*Will accept coupling assembly aid- see page 18 for explanation.

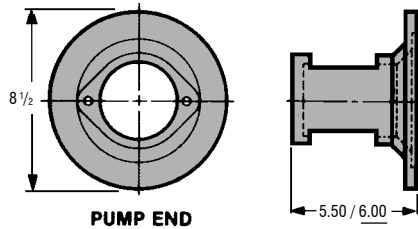
Mount Basic Data
 Access Cover AC15 (2 Required)
 Maximum Coupling Diameter 3"
 Approximate Weight 3 lb. 1 oz.

15	4F17*			-117
	SAE A A 2 Bolt			-118

*Will accept coupling assembly aid- see page 18 for explanation.

ENGINE MOUNT SELECTION CHART "G" SERIES

Frame Number	Pump Flange	Engine Data						
		Bolt Circle 6 1/2" Pilot 5 1/4"	Bolt Circle 7 3/4" Pilot 7"	Bolt Circle 7 3/4" Pilot 7"	Bolt Circle 7 3/4" Pilot 7"	Bolt Circle 7 3/4" Pilot 6 7/16"	Bolt Circle 7 3/4" Pilot 6 7/16" 7" Option B&S 10hp Cast Iron	Bolt Circle 7 3/4" Pilot 6 7/16" 7" Option B&S 16hp Cast Iron
				Wisconsin TJD	Wisconsin AENL			

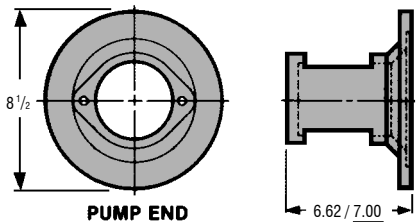


Mount Basic Data

Access Cover AC16 (2 Required)
Maximum Coupling Diameter 3 1/4"
Approximate Weight 4 lb. 5 oz.
Available with no cover openings

16	4F17*	-119	-120	-122	-123	-124	-125	-126
	SAE AA 2 Bolt	-127	-128	-129	-130	-131	-132	-133
	SAE A 2 Bolt	-134	-135	-136	-137	-138	-139	-140

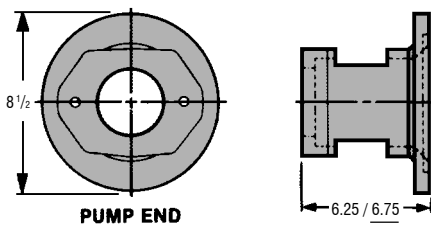
*Will accept coupling assembly aid- see page 18 for explanation.



Mount Basic Data

Access Cover AC17 (2 Required)
Maximum Coupling Diameter 3 1/4"
Approximate Weight 4 lb. 15 oz.

17	SAE A 2 Bolt	-141	-142	-143	-144	-145	-146	-147
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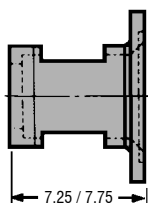
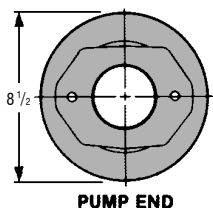
Mount Basic Data

Access Cover AC18 (2 Required)
Maximum Coupling Diameter 3 7/8"
Approximate Weight 7 lb. 8 oz.
SAE A 4 Bolt Available

18	SAE A 2 Bolt	-148	-149	-150	-151	-152	-153	-154
	SAE B 2 Bolt	-155	-156	-157	-158	-159	-160	-161
	SAE B 4 Bolt	-162	-163	-164	-165	-166	-167	-168

ENGINE MOUNT SELECTION CHART "G" SERIES CONTINUED

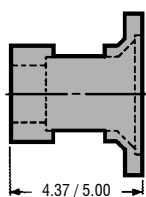
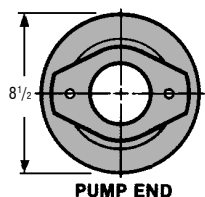
Frame Number	Pump Flange	Engine Data						
		Bolt Circle 6 $\frac{1}{2}$ " Pilot 5 $\frac{3}{4}$ "	Bolt Circle 7 $\frac{3}{4}$ " Pilot 7"	Bolt Circle 7 $\frac{3}{4}$ " Pilot 7"	Bolt Circle 7 $\frac{3}{4}$ " Pilot 7"	Bolt Circle 7 $\frac{3}{4}$ " Pilot 6 $\frac{7}{16}$ "	Bolt Circle 7 $\frac{3}{4}$ " Pilot 6 $\frac{7}{16}$ " 7" Option B&S 10hp Cast Iron	Bolt Circle 7 $\frac{3}{4}$ " Pilot 6 $\frac{7}{16}$ " 7" Option B&S 16hp Cast Iron
				Wisconsin TJD	Wisconsin AENL			



Mount Basic Data

Access Cover AC19 (2 Required)
Maximum Coupling Diameter 3 $\frac{7}{8}$ "
Approximate Weight 8 lb.
SAE A 4 Bolt Available

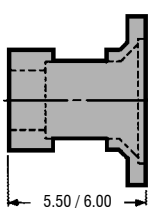
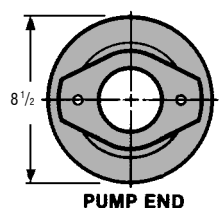
19	SAE A 2 Bolt	-169	-170	-171	-172	-173	-174	-175
	SAE B 2 Bolt	-176	-177	-178	-179	-180	-181	-182
	SAE B 4 Bolt	-183	-184	-185	-186	-187	-188	-189



Mount Basic Data

Access Cover AC20 (2 Required)
Maximum Coupling Diameter 3 $\frac{7}{8}$ "
Approximate Weight 5 lb. 3 oz.

20	SAE A 2 Bolt	-403	-404	-405	-406	-407	-408	-409
	SAE B 2 Bolt	-190	-191	-192	-193	-194	-195	-196



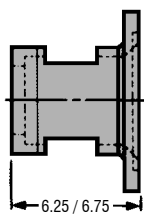
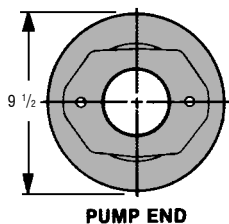
Mount Basic Data

Access Cover AC21 (2 Required)
Maximum Coupling Diameter 3 $\frac{7}{8}$ "
Approximate Weight 5 lb. 2 oz.
SAE A 4 Bolt Available

21	SAE A 2 Bolt	-197	-198	-199	-200	-201	-202	-203
	SAE B 2 Bolt	-204	-205	-206	-207	-208	-209	-210

ENGINE MOUNT SELECTION CHART "G" SERIES CONTINUED

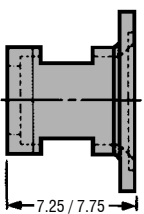
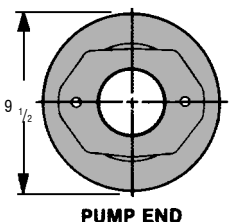
Frame Number	Pump Flange	Engine Data			
		Bolt Circle 8 ⁵ / ₈ " Pilot 7 ⁷ / ₈ "	Bolt Circle 9 ¹ / ₄ " Pilot 7 ⁷ / ₈ "	Bolt Circle 9 ¹ / ₄ " Pilot 8 ¹ / ₄ "	Bolt Circle ONAN Pilot 6 ³ / ₈ "



Mount Basic Data

Access Cover AC22 (2 Required)
Maximum Coupling Diameter 3⁷/₈"
Approximate Weight 8 lb. 3 oz.
SAE A 4 Bolt Available

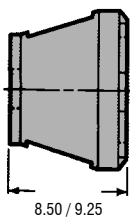
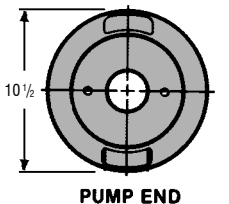
22	SAE A 2 Bolt	-211			
	SAE B 2 Bolt	-212			
	SAE B 4 Bolt	-213			



Mount Basic Data

Access Cover AC23 (2 Required)
Maximum Coupling Diameter 3⁷/₈"
Approximate Weight 8 lb. 13 oz.
SAE A 4 Bolt Available

23	SAE A 2 Bolt	-214			
	SAE B 2 Bolt	-215			
	SAE B 4 Bolt	-216			



Mount Basic Data

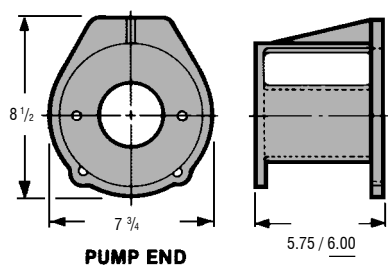
Access Cover AC24 (2 Required)
Maximum Coupling Diameter 7"
Approximate Weight 16 lb. 7 oz.
SAE A 4 Bolt Available

24	SAE A 2 Bolt	-217	-218	-219	
	SAE B 2 Bolt	-220	-221	-222	
	SAE B 4 Bolt	-223	-224	-225	

ENGINE MOUNT SELECTION CHART “G” SERIES CONTINUED

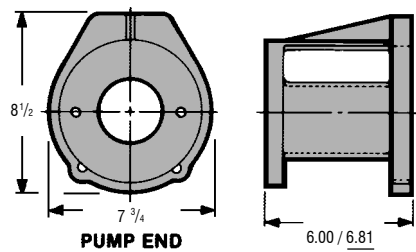
ONAN/LINAMAR ENGINES

Frame Number	Pump Flange	Engine Data			
		Bolt Circle 8 ⁵ / ₈ " Pilot 7 ⁷ / ₈ "	Bolt Circle 9 ¹ / ₄ " Pilot 7 ⁷ / ₈ "	Bolt Circle 9 ¹ / ₄ " Pilot 8 ¹ / ₄ "	Bolt Circle ONAN Pilot 6 ³ / ₈ "



Mount Basic Data
 Access Cover AC25 (2 required)
 Maximum Coupling Diameter 5 1/2"
 Approximate Weight 4 lb. 10 oz.
 SAE B 2 or 4 Bolt Available
 SAE A 4 Bolt Available

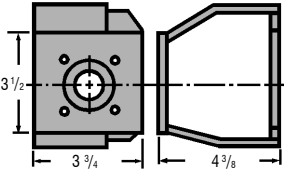
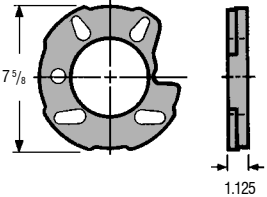
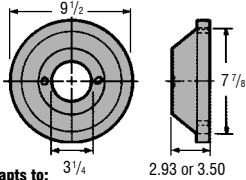
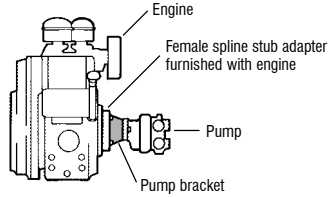
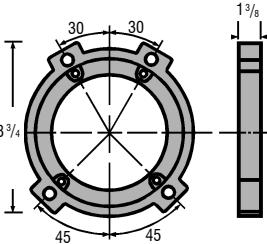
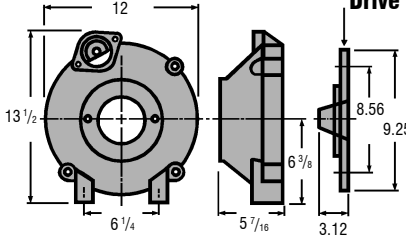
25	4F17				-226
	SAE AA 2 Bolt				-227
	SAE A 2 Bolt				-228



Mount Basic Data
 Access Cover AC26 (2 Required)
 Maximum Coupling Diameter 5 1/2"
 Approximate Weight 6 lb. 3 oz.
 SAE A 4 Bolt Available

26	SAE A 2 Bolt				-229
	SAE B 2 Bolt				-230
	SAE B 4 Bolt				-231

SPECIAL APPLICATION ENGINE MOUNTS "G" SERIES CONTINUED

Approximate Weight	Frame Number		Dash Number For Part Number	
1 lb. 9 oz.	27	AC 27 Access cover (2 required) 	-232	Engine bolt circle 3 5/8", pilot dia. none, clearance dia. 1.780.
			-233	Engine bolt circle 3 5/8", pilot dia. 1.625.
1 lb. 12 oz.	28		-234	Adapts Wisconsin WD1 and WD2 diesel engines to pump mount for 7 3/4" B.C. and 7" pilot engine mounts.
4 lb. 9 oz.	29		-235	
5 lb. 2 oz.	30	Adapts to: Engines Wisconsin W2-1230, W4-1770, W4-2460 and other equipped with female spline stub shaft adapter Pumps SAE "A" 2 bolt pilot	-236	
2 lb. 5 oz.	31		-326	
10 lb.	32		-327	Drive plate part number 327-1 For 7/8 - 13 spline pump shaft. Volkswagen drive cover with mount for starter motor fits VW "Bug" engine 4 cyl. opposed model 126 A and others. And SAE B 2 bolt pump

Part Number Order Code: (Example: G 30 -236)

— Dash Number
 — Frame Number
 — Gasoline Engine

Length code at at end of part number is deleted since length is not an option for frame number 27-32.

DASH NUMBER FOR: ENGINE MOUNTS FOR METRIC PUMPS “GM” SERIES

Bolt Circle 3.62			Bolt Circle 6.50			Bolt Circle 7.750		
Pilot Dia. None		Pilot Dia. 1.625	Pilot Dia. 5.75		Pilot Dia. 6.43	Pilot Dia. 6.43 7" Option B&S 10 & 16 HP C.I. Clearance Holes 5 5/8" B.C.	Pilot Dia. 7.00 Wisconsin TJD & AENL Clearance Holes 6 1/4" B.C.	Pilot Dia. 7.00

FRAME 33		
Mount Basic Data Approximate Weight 1 lb. 5 oz. Access Cover A33 (1 Required) Maximum Coupling Dia. 2 3/4"		

1	-237	-238
2	-239	-240
3	-241	-242
4	-243	-244
5	-245	-246
6	-247	-248

Pump Flange Dimensions					
Order Code	A	B	C	D	E
1	26.5 1.04"	72 2.83"	52.4 2.08"	25.4 1.0"	M6
2	24.5 .96"	73 2.87"	56 2.20"	30 1.18"	M6
3	32.2 1.27"	96.2 3.78"	71.5 2.81"	36.5 1.43"	M8
4	14.3 .56"	60.4 2.38"	60 2.36"	50 1.97"	M8
5	34.5 1.36"	100 3.94"	72 2.83"	80 3.15"	M8
6	32.2 1.27"	46.2 3.78"	71.5 2.81"	36.5 1.43"	M8

FRAME 34				
Mount Basic Data Access Cover AC34 (2 Required) Maximum Coupling Dia. 3 1/8" Approximate Weight 3 lb. 5 oz.				

1	-249	-250	-251	-252	-253
2	-254	-255	-256	-257	-258
3	-259	-260	-261	-262	-263
4	-264	-265	-266	-267	-268
5	-269	-270	-271	-272	-273
6	-274	-275	-276	-277	-278

FRAME 35				
Mount Basic Data Access Cover AC35 (2 Required) Maximum Coupling Dia. 3 1/8" Approximate Weight 3 lb. 10 oz. *Available in 5.43 Length				

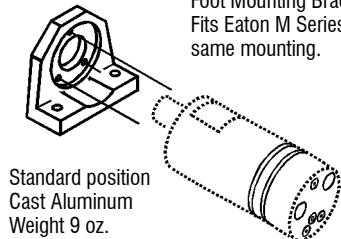
1	-279	-280	-281	-282	-283
2	-284	-285	-286	-287	-288
3	-289	-290	-291	-292	-293
4	-294	-295	-296	-297	-298
5	-299	-300	-301	-302	-303
6	-304	-305	-306	-307	-308

Metric Pump Mount Part Number Order Code: (Example: GM 34 -250)			Length code at at end of part number is deleted since length is not an option for frame number 33-35.		
Dash Number					
Frame Number					
Gas Engine / Metric Pump Flange					

FOOT MOUNT BRACKETS FOR HYDRAULIC PUMP AND MOTORS "FM" SERIES

FM-36-M3

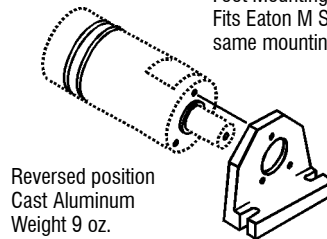
Foot Mounting Bracket for small gerotor torque motors. Fits Eaton M Series, Danfoss, OMM and other motors with same mounting.



Standard position
Cast Aluminum
Weight 9 oz.

FM-37-M3R

Foot Mounting Bracket for small gerotor torque motors. Fits Eaton M Series, Danfoss, OMM and other motors with same mounting.

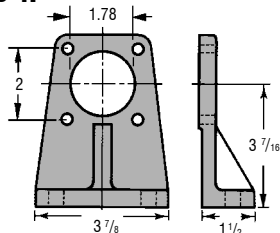


Reversed position
Cast Aluminum
Weight 9 oz.

FM-38 4F

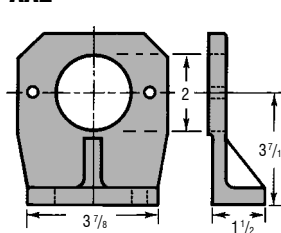
Bore I.D.

Weight 13 oz.



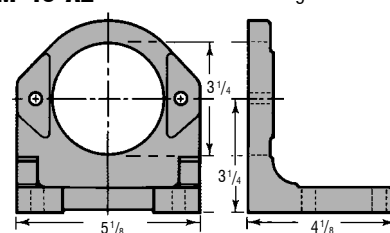
FM-39-AA2

Weight 1 lb.



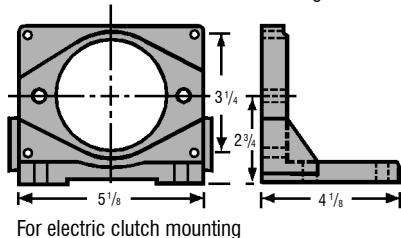
FM-40-A2

Weight 1 lb. 11 oz.



FM-41-A2C

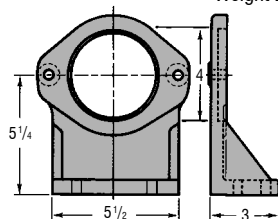
Weight 2 lb. 1 oz.



For electric clutch mounting

FM-42-B2

Weight 2 lb. 13 oz.



Ordering Information

Product Type

FM - 40 - A2

Foot Mount

Frame Number

Pump Flange

SAE PUMP DRIVES FOR SAE #4 AND #5 HOUSINGS 6 1/2" - 10" NOMINAL FLYWHEEL SIZE "FW" SERIES

Flywheel Cover Selection

Approx. Weight	Frame Number	Dimensions	Pump Flange	Dash Number
6 lb. 3 oz.	43		A 2 Bolt	-309
			A 4 Bolt	-310
			B 2 Bolt	-311
			B 4 Bolt	-312
7 lb.	44		A 2 Bolt	-313
			A 4 Bolt	-314
			B 2 Bolt	-315
			B 4 Bolt	-316
7 lb. 3 oz.	45		A 2 Bolt	-317
			A 4 Bolt	-318
			B 2 Bolt	-319
			B 4 Bolt	-320
7 lb. 8 oz.	46		A 2 Bolt	-321
			A 4 Bolt	-322
			B 2 Bolt	-323
			B 4 Bolt	-324

Drive Plate Selection 325

Order Number	Clutch Size	C	D Bolt Circle	Mounting Holes
06	6 1/2"	8.44	7.87	6- 3/8"
07	7 1/2"	9.44	8.75	8- 11/32"
08	8"	10.32	9.62	6- 13/32"
10	10"	12.32	11.62	8- 13/32"
Drive Plate Hub Selection				
Order Number	Pump Shaft			Torque Rating
A*	SAE A 5/8" -9T-16/32"			500" Lbs.
11T	3/4" -11T-16/32"			1000" Lbs.
B	SAE B 7/8" -13T-16/32"			1500" Lbs.
BB	SAE BB 1" -15T-16/32"			2000" Lbs.

How To Order Flywheel Cover

Example:

Part Number: FW 45 -319

Flywheel Series

Frame Number

Dash Number

How To Order Drive Plate

Example:

Part Number: 325 - 06 - A

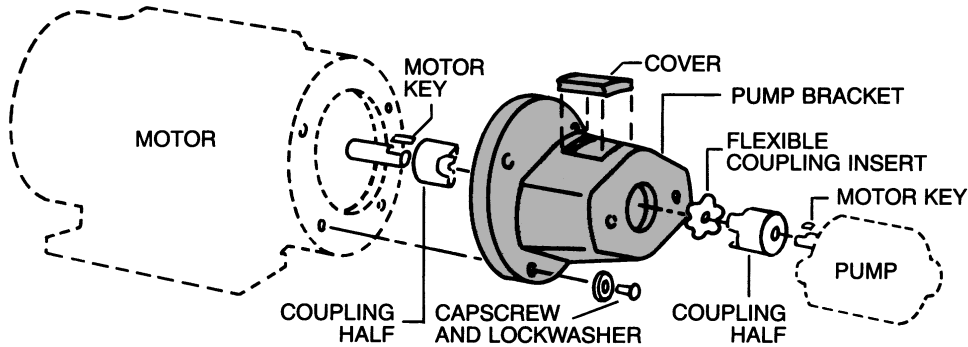
Same For All Plates

Clutch Size

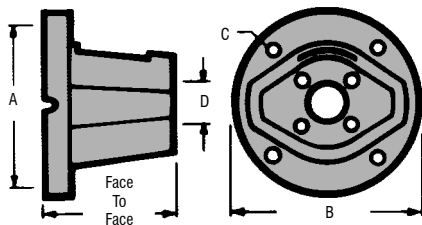
Drive Plate Hub

* Not Available on 10" Drive Plate

HORIZONTAL HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS "E" SERIES

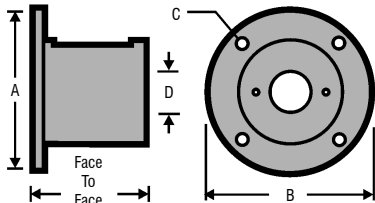


Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)		Access Cover Number	Maximum Coupling Diameter
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle		



Mount Basic Data
Approximate Weight
Frame 49- 1 lb. 12 oz.

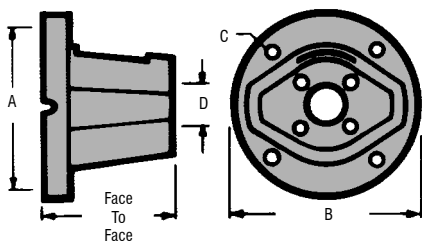
49	E49-A4	56C	4F17	3.50"	4.50	6.625	5.875	1.78	2.83	AC 49	3.00
	E49-AA	143-145 TC	AA-2 Bolt					2.00	3.25		
	E49-A2		A-2 Bolt					3.25	4.188		



Mount Basic Data
501 replaces the 50Z
For single or light pump applications
Access Cover (1 required)
Approximate Weight
Frame 501- 3 lb.

Available in 4.00 length
SAE A 4 Bolt Available

501	E501-A4	56C	4F17	4.25"	4.50	6.625	5.875	1.78	2.83	AC 501	3.50
	E501-AA	143-145 TC	AA-2 Bolt					2.00	3.25		
	E501-A2		A-2 Bolt					3.25	4.188		

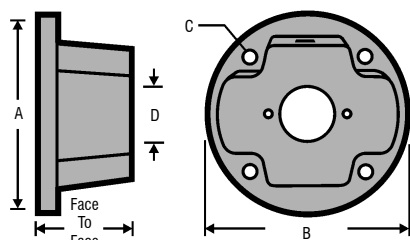


Mount Basic Data
Approximate Weight
Frame 49- 1 lb. 12 oz.

50	E50-A4	56C	4F17	4.40"	4.50	6.625	5.875	1.78	2.828	AC 50	3.00
	E50-AA	143-145 TC	AA-2 Bolt					2.00	3.25		
	E50-A2		A-2 Bolt					3.25	4.188		

HORIZONTAL HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS "E" SERIES CONTINUED

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)		Access Cover Number	Maximum Coupling Diameter
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle		

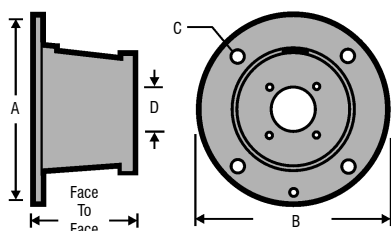


Mount Basic Data

Access Cover (1 required)
For single or light pump applications
Approximate Weight
Frame 500- 4 lb. 5 oz.

Available in 4.00 length

500	E500-A4	182-184 TC	4F17	4.188"	8.50	8.75	7.25	1.78	2.83	AC 500	4.00
	E500-AA		AA- 2 Bolt					2.00	3.25		
	E500-A2	213-215 TC	A- 2 Bolt					3.25	4.188		
	E500-B2	254-256 TC	B- 2 Bolt					4.00	5.75		
	E500-B4		B- 4 Bolt					4.00	5.00		

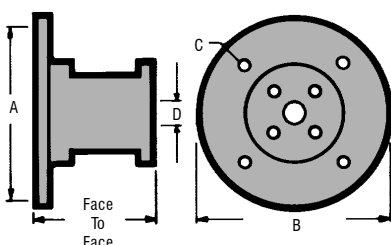


Mount Basic Data

502 replaces the 57Z
Access Cover (1 required)
For single or light pump applications
Approximate Weight
Frame 502- 3 lb. 7 oz.

Available in 4.75 length
SAE A 4 Bolt Available

502	E502-A4	182-184 TC	4F17	5.00"	8.50	8.75	7.25	1.78	2.83	AC 502	3.750
	E502-AA	213-215 TC	AA-2 Bolt					2.00	3.25		
	E502-A2	254-256 TC	A-2 Bolt					3.25	4.188		



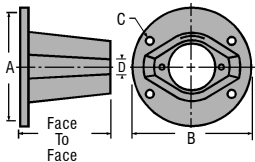
Mount Basic Data

Approximate Weight
Frame 51- 2 lb. 13 oz.
Frame 52- 3 lb. 7 oz.

51	E51-A4	182-184 TC	4F17	5.12"	8.50	8.75	7.25	1.78	2.83	AC 51	3.50
	E51-AA		AA-2 Bolt					2.00	3.25		
	E51-A2		A-2 Bolt					3.25	4.188		
52	E52-A4	254-256 TC	4F17	6.40"	8.50	8.75	7.25	1.78	2.828	AC 52	3.50
	E52-AA		AA-2 Bolt					2.00	3.25		
	E52-A2		A-2 Bolt					3.25	4.188		

HORIZONTAL HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS “E” SERIES CONTINUED

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)		Access Cover Number	Maximum Coupling Diameter
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle		

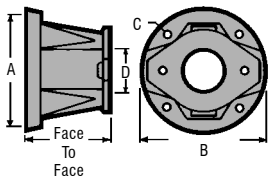


Mount Basic Data

Access Cover (1 required)
For single or light pump applications
Approximate Weight
Frame 53- 3 lb. 6 oz. -- Available in 5.62 length
Frame 54- 3 lb. 8 oz.

Frame 55- 4 lb.
Frame 56- 4 lb. 2 oz.
Frame 57- 2 lb. 14 oz.

53	E53-A2	182-184 TC 213-215 TC 254-256 TC	A-2 Bolt	5.81"	8.50	8.75	7.25	3.25	4.188	AC 53	3.50
54	E54-B2		B-2 Bolt					4.00	5.75	AC54	4.00
55	E55-A2		A-2 Bolt	6.81"				3.25	4.188	AC55	3.50
56	E56-B2		B-2 Bolt					4.00	5.75	AC56	4.00
57	E57-A2S		A-2 Bolt	5.06"				3.25	4.188	AC57	3.50
	E57-A2L		A-2 Bolt	5.12"				3.25	4.188		

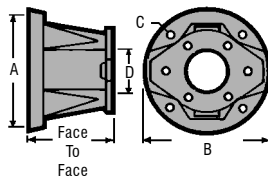


Mount Basic Data

Access Cover (2 required)
For multiple or heavy pump applications
Approximate Weight
Frame 58- 5 lb. 2 oz.
Frame 59- 5 lb. 7 oz.

SAE A & B Available in 4 Bolt

58	E58-A2	182-184 TC	A-2 Bolt	5.81"	8.50	8.75	7.25	3.25	4.188	AC 58	4.00
	E58-B2	213-215 TC	B-2 Bolt					4.00	5.75		
	E58-C2	254-256 TC	C-2 Bolt					5.00	7.125		
59	E59-A2	182-184 TC	A-2 Bolt	6.81"	8.50	8.75	7.25	3.25	4.188	AC 59	
	E59-B2	213-215 TC	B-2 Bolt					4.00	5.75		
	E59-C2	254-256 TC	C-2 Bolt					5.00	7.125		



Mount Basic Data

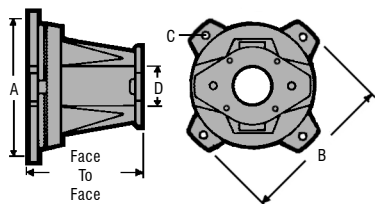
Access Cover (1 required)
For Multiple or Heavy Pump Applications
Approximate Weight
Frame 60 - 5 lb. 2 oz.
Frame 61- 5 lb. 7 oz.

Combination 2 & 4 Pump Flange

60	E60 A2/4	182-184 TC 213-215 TC 254-256 TC	A2/4 Bolt	5.81"	8.50	8.75	7.25	3.25	4.188	AC 60	4.50
								3.25	4.130		
61	E61 B2/4	182-184 TC 213-215 TC 254-256 TC	B2/4 Bolt	6.81"	8.50	8.75	7.25	4.00	5.75	AC 61	
								4.00	5.00		

HORIZONTAL HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS “E” SERIES CONTINUED

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)		Access Cover Number	Maximum Coupling Diameter
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle		

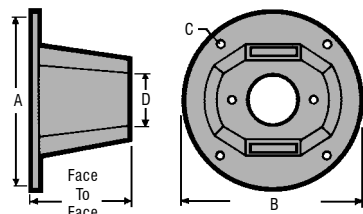


Mount Basic Data

Access Cover (2 required)
Approximate Weight
Frame 62- 8 lb. 2 oz.
Frame 63- 8 lb. 7 oz.

This mount is assembled using two parts consisting of one of frame 60 or 61 and frame 69 adapter flange.

62	E62-A2/4	284-286 TC	A-2/4 Bolt	6.87"	10.50	11.00	9.00	3.25	4.188	AC 62	4.50
	E62-B2/4		B-2/4 Bolt					4.00	5.75		
	E62-C2	284-286 TSC	C-2 Bolt					5.00	7.125		
63	E63-A2/4	284-286 TC	A-2/4 Bolt	7.87"	10.50	11.00	9.00	3.25	4.188	AC 63	
	E63-B2/4		B-2/4 Bolt					4.00	5.75		
	E63-C2	284-286 TSC	C-2 Bolt					5.00	7.125		



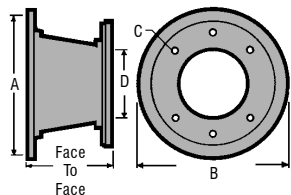
Mount Basic Data

Access Cover (2 required)
Approximate Weight
Frame 64- 7 lb. Available with SAE A 4 Bolt
Frame 65- 8 lb. 8 oz.
Frame 66- 10 lb. Available with SAE A 4 Bolt

64	E64-A2	324-326 TSC	A-2 Bolt	6.62"	12.50	13.00	11.00	3.25	4.188	AC 64	5.25
	E64-B2/4		B-2 Bolt					4.00	5.75		
	E64-C2/4	364-365 TSC	B-4 Bolt					4.00	5.00		
		404-405 TSC	C-2 Bolt					5.00	7.125		
			C-4 Bolt					5.00	6.375		
65	E65-A2	324-326 TSC	A-2 Bolt	7.06"	12.50	13.00	11.00	3.25	4.188	AC 65	5.25
	E65-B2/4		B-2 Bolt					4.00	5.75		
	E65-C2/4	364-365 TSC	B-4 Bolt					4.00	5.00		
		404-405 TSC	C-2 Bolt					5.00	7.125		
			C-4 Bolt					5.00	6.375		
66	E66-A2	324-326 TSC	A-2 Bolt	8.75"	12.50	13.00	11.00	3.25	4.188	AC 66	5.25
	E66-B2/4		B-2 Bolt					4.00	5.75		
	E66-C2/4	364-365 TSC	B-4 Bolt					4.00	5.00		
		404-405 TSC	C-2 Bolt					5.00	7.125		
			C-4 Bolt					5.00	6.375		

HORIZONTAL HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS “E” SERIES CONTINUED

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)		Access Cover Number	Maximum Coupling Diameter
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle		



Mount Basic Data

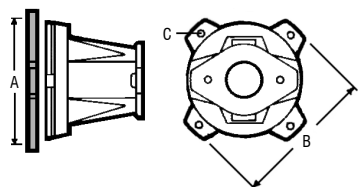
Access Cover (2 required)

Approximate Weight

Frame 67- 12 lb. 8 oz.

Frame 68- 12 lb. 8 oz.

67	E67-D2/4	324-326 TSC	D-2 Bolt	7.06"	12.50	13.00	11.00	6.00	9.00	AC 67	6.00
		264-365 TSC 404-405 TSC	D-4 Bolt					6.00	9.00		
68	E68-D2/4	324-320 TSC	D-2 Bolt	8.75"	12.50	13.00	11.00	6.00	9.00	AC 68	
		264-365 TSC 404-405 TSC	D-4 Bolt					6.00	9.00		



Mount Basic Data

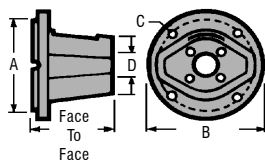
Approximate Weight

Frame 69- 3 lb.

69	E69				10.50	11.00	9.00	Adapts Frames 51-61 and 501 & 502 to 284-286 TC & TSC motors			
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VERTICAL (TANK TOP) HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS “V” SERIES

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)	
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle



Mount Basic Data

Approximate Weight

Frame 70- 1 lb. 6 oz.

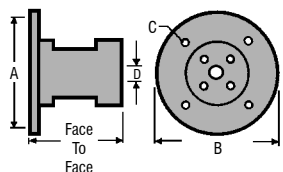
Frame 71- 1 lb. 12 oz.

Frame 74- 3 lb. 0 oz. (Available in 4" Lengths)

70	V70-A4	56C 143-145 TC	4F17	3.50"	4.50	6.625	5.875	1.78	2.83
	V70-AA		AA-2 Bolt					2.00	3.25
	V70-A2		A-2 Bolt					3.25	4.188
71	V71-A4	56C 143-145 TC	4F17	4.40"	4.50	6.625	5.875	1.78	2.83
	V71-AA		AA-2 Bolt					2.00	3.25
	V71-A2		A-2 Bolt					3.25	4.188
74	V74-A4	56C 143-145 TC	4F17	4.25"	8.50	8.75	7.25	1.78	2.83
	V74-AA		AA- 2 Bolt					2.00	3.25
	V74-A2		A- 2 Bolt					3.25	4.188

VERTICAL (TANK TOP) HYDRAULIC PUMP MOUNTS FOR ELECTRIC MOTORS "V" SERIES CONTINUED

Frame Number	Pump Mount Part Number	Motor Frame Size	SAE Pump Flange	Face To Face	Dimensions Of NEMA-C Face Mount End (inches)			Dimensions Of Pump Face Mount End (inches)	
					A	B	Bolt Circle C	D Nominal	Pump Bolt Circle

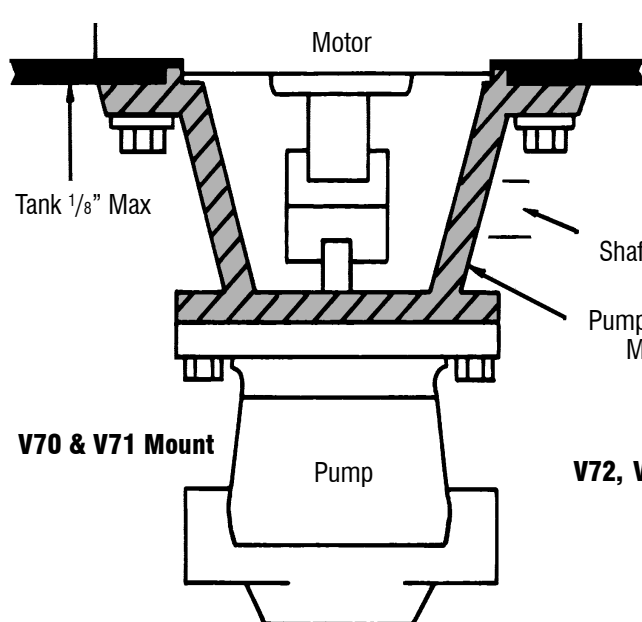


Mount Basic Data

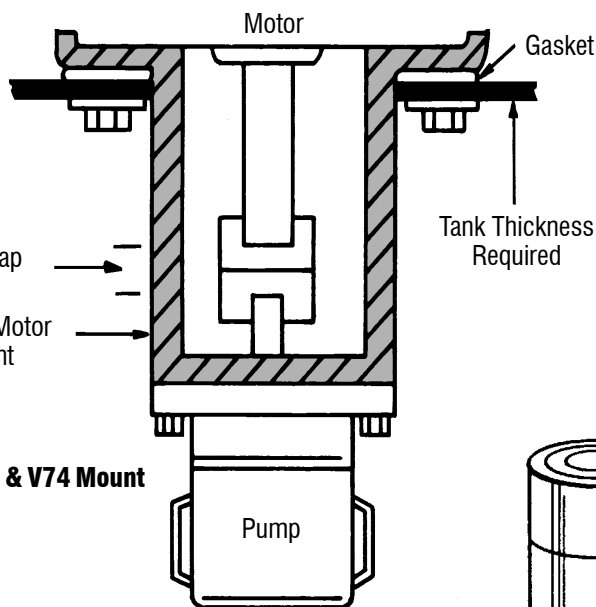
Approximate Weight
Frame 72- 2 lb. 14 oz.
Frame 73- 3 lb. 5 oz.

SAE A 4 Bolt Available

72	V72-A4	182-184 TC	4F17	5.12"	8.50 8.75 7.25	1.78	2.83
	V72-AA	213-215 TC	AA-2 Bolt			2.00	3.25
	V72-A2	254-256 TC	A-2 Bolt			3.25	4.188
73	V73-A4	182-184 TC	4F17	6.40"	8.50 8.75 7.25	1.78	2.83
	V73-AA	213-215 TC	AA-2 Bolt			2.00	3.25
	V73-A2	254-256 TC	A-2 Bolt			3.25	4.188



V70 & V71 Mount



V72, V73 & V74 Mount

Mounts offer easy assembly of pump to vertical motor

Vertical pump mounts allow pump/motor assembly to be directly mounted to reservoir.

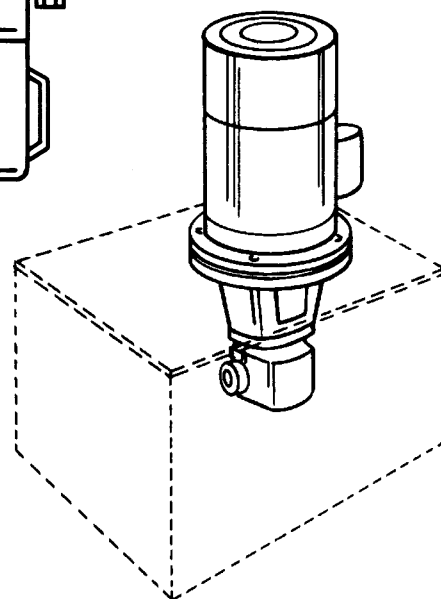
Pump coupling and shafts are within reservoir for enclosed, quiet operation.

Faster assembly of equipment with this accurately machined, aluminum casting.

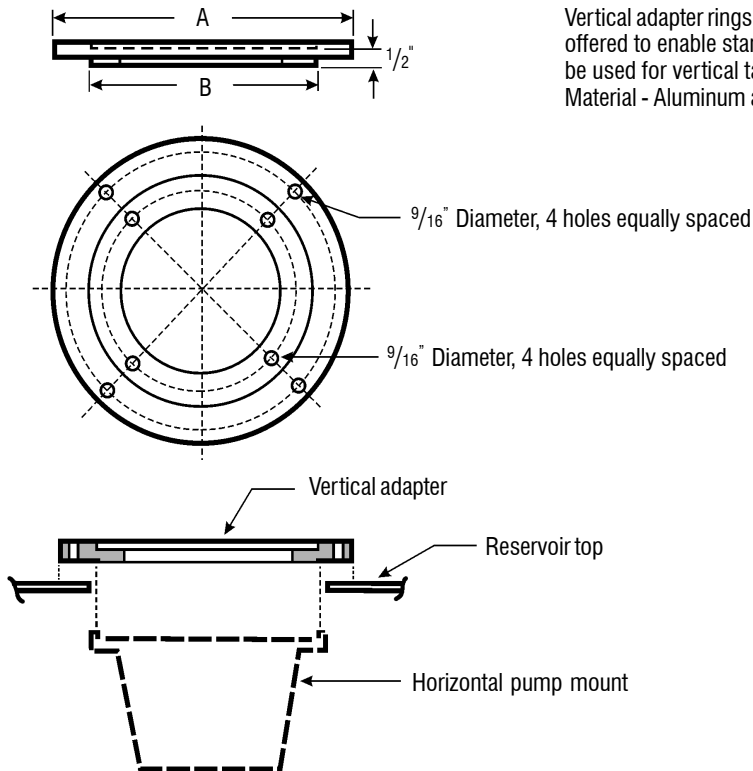
Note:

Outside diameter of pilot on vertical V70 & V71 mounts is 4 7/8".

Outside diameter of pilot on vertical V72 & V73 mounts is 5 3/4", 5" on V74.



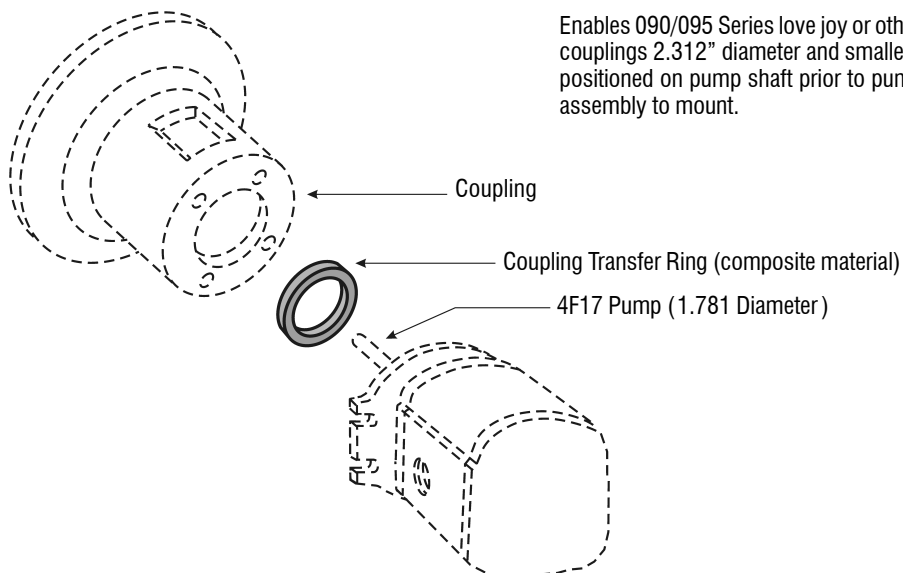
VERTICAL ADAPTER RINGS



Vertical adapter rings are offered to enable standard horizontal mounts to be used for vertical tank mounts.
Material - Aluminum alloy

Part Number	Motor Frame	A	B	C	D	Tank Opening
1101	182 TC – 256 TC	11 1/2" Diameter	8 1/2" Diameter	10 1/4" Bolt Circle	7 1/4" Bolt Circle	9" Diameter
1102	284 TC – 286 TC	13 1/2" Diameter	10 1/2" Diameter	12 1/2" Bolt Circle	9" Bolt Circle	11 1/4" Diameter

ASSEMBLY AID



Enables 090/095 Series love joy or other couplings 2.312" diameter and smaller to be positioned on pump shaft prior to pump assembly to mount.

COUPLING TRANSFER RING

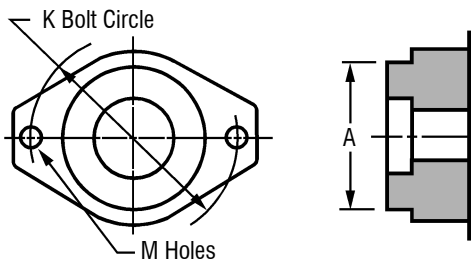
Add – 015 to part number (special modification)
(Includes ring and machining to accommodate)

EXAMPLE: G15 - 117 - 5.62 - **012**

1104 Ring part number (for replacement)

SAE-2 BOLT MOUNT

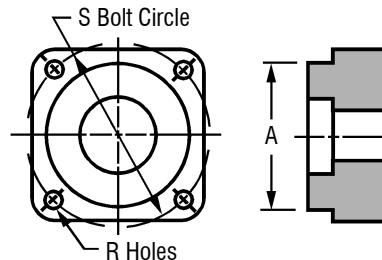
Mounting Flange	Pilot Dimensions	Flange Dimensions	
SAE	A	K	M



AA	2.000/1.998	3.255	0.406
		3.245	
A	3.250/3.248	4.192	0.438
		4.182	
B	4.000/3.998	5.755	0.562
		5.745	
C	5.000/4.998	7.130	0.687
		7.120	
D	6.000/5.998	9.005	0.812
		8.995	
E	6.500/6.498	12.503	1.062
		12.495	
F	7.000/6.998	13.786	1.062
		13.776	

SAE-4 BOLT MOUNT

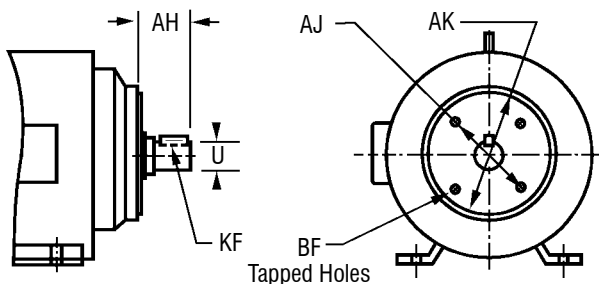
Mounting Flange	Pilot Dimensions	Flange Dimensions	
SAE	A	S	R



USA 4F17	1.781/1.779	2.843	0.375
		2.833	
A	3.250/3.248	4.130	0.438
		4.120	
B	4.000/3.998	5.005	0.562
		4.995	
C	5.000/4.998	6.380	0.562
		6.370	
D	6.000/5.998	9.005	0.812
		8.995	
E	6.500/6.498	12.505	1.812
		12.495	
F	7.000/6.998	13.786	1.062
		13.776	

NEMA ELECTRIC MOTOR SHAFT AND "C" FACE

NEMA		Bolt Circle AJ	Register AK	Shaft Diameter U	Shaft Length AH	Key Sq. KF	Key Length	BF (Tapped Holes)	
Motor	Frame							Size	No. Req'd



56C	5-7/8	4-1/2	5/8	2-1/16	3/16	1	3/8-16	4
143TC	5-7/8	4-1/2	7/8	2-1/8	3/16	1-3/8	3/8-16	4
145TC	5-7/8	4-1/2	7/8	2-1/8	3/16	1-3/8	3/8-16	4
182TC	7-1/4	8-1/2	1-1/8	2-5/8	1/4	1-3/4	1/2-13	4
184TC	7-1/4	8-1/2	1-1/8	2-5/8	1/4	1-3/4	1/2-13	4
213TC	7-1/4	8-1/2	1-3/8	3-1/8	5/16	2-3/8	1/2-13	4
215TC	7-1/4	8-1/2	1-3/8	3-1/8	5/16	2-3/8	1/2-13	4
254TC	7-1/4	8-1/2	1-5/8	3-3/4	3/8	2-7/8	1/2-13	4
256TC	7-1/4	8-1/2	1-5/8	3-3/4	3/8	2-7/8	1/2-13	4
284TC	9	10-1/2	1-7/8	4-3/8	1/2	3-1/4	1/2-13	4

NEMA ELECTRIC MOTOR SHAFT AND "C" FACE CONTINUED

Motor	NEMA Frame	Bolt Circle AJ	Register AK	Shaft Diameter U	Shaft Length AH	Key Sq. KF	Key Length	BF (Tapped Holes)	
								Size	No. Req'd
284 TSC	286TC	9	10-1/2	1-5/8	3	3/8	1-7/8	1/2-13	4
		9	10-1/2	1-7/8	4-3/8	1/2	3-1/4	1/2-13	4
286TSC	324TC	9	10-1/2	1-5/8	3	3/8	1-7/8	1/2-13	4
		11	12-1/2	2-1/8	5	1/2	3-7/8	5/8-11	4
324TSC		11	12-1/2	1-7/8	3-1/2	1/2	2	5/8-11	4
	326TC	11	12-1/2	2-1/8	5	1/2	3-7/8	5/8-11	4
326TSC	364TC	11	12-1/2	1-7/8	3-1/2	1/2	2	5/8-11	4
		11	12-1/2	2-3/8	5-5/8	5/8	4-1/4	5/8-11	4
364TSC	365TC	11	12-1/2	1-7/8	3-1/2	1/2	2	5/8-11	4
		11	12-1/2	2-3/8	5-5/8	5/8	4-1/4	5/8-11	4
365TSC	404TC	11	12-1/2	1-7/8	3-1/2	1/2	2	5/8-11	4
		11	12-1/2	2-7/8	7	3/4	5-5/8	5/8-11	4
404TSC	405TC	11	12-1/2	2-1/8	4	1/2	2-3/4	5/8-11	4
		11	12-1/2	2-7/8	7	3/4	5-5/8	5/8-11	4
405TSC		11	12-1/2	2-1/8	4	1/2	2-3/4	5/8-11	4

FLEXIBLE SHAFT COUPLINGS

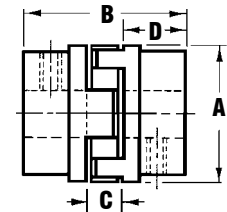
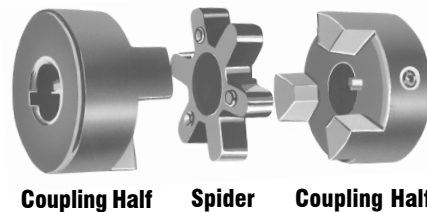
Size No.	Bore + .001 .000		Dimensions In Inches				Electric Motor Nominal Rated H.P.*		Gasoline/Diesel Nominal Rated H.P.*		**Torque Rating Inch Lbs.
	Min.	Max.	A	B	C	D	1800 RPM	3600 RPM	1800 RPM	3600 RPM	
HM 75	1/4"	7/8"	1 3/4"	2 1/8"	1/2"	13/16"	1.5	3.0	1.0	2.0	90
HM 90	1/4"	1"	2 1/8"	2 11/32"	17/32"	29/32"	3.0	5.5	2.0	3.0	144
HM 95	7/16"	1 1/8"	2 1/8"	2 1/2"	1/2"	1"	4.0	7.0	2.5	5.0	194
HM 99	7/16"	1 3/16"	2 17/32"	2 7/8"	3/4"	1 1/16"	5.5	11.0	3.5	7.0	318
HM100	7/16"	1 3/8"	2 17/32"	3 1/2"	3/4"	1 3/8"	8.0	16.0	5.0	10.0	417
HM 110	5/8"	1 5/8"	3 5/16"	4 1/4"	7/8"	1 5/8"	15.0	30.0	9.0	18.0	792
HM 150	5/8"	1 7/8"	4"	4 1/2"	1"	1 3/4"	23.0	46.0	14.0	28.0	1240
HM 190	3/4"	2 1/8"	4 1/2"	5 1/4"	1"	2 1/8"	29.0	58.0	18.0	36.0	1726

* Horsepower ratings based on use with Hydra-Mount direct mounting pump mounting brackets. Go minimum one size larger for foot mount applications. Ratings based on gear or vane pump drive.

**Torque ratings based on Sox (Buna N) material.

- No lubrication required
- Easy installation
- Easy inspection of spider
- Provides smooth transfer of power
- Resistant to water, oil, and dirt
- No metal to metal contact
- Available with metric and spline bores
- Available with urethane and Hytrel spiders for higher torque ratings

Misalignment Capacity
Angular up to 1°
Parallel up to .015 inches



Each coupling half standard with one keyway and set screw at keyway

Ordering information: Specify bore and keyway required for each coupling half. Complete coupling consists of two coupling halves and one spider.

FLUID POWER FORMULAS

Fluid Motor Power	Horse Power =	$\frac{\text{Torque Output (Inches Lbs.)} \times \text{RPM}}{63025}$
Pump Input Power	Horse Power Input=	$\frac{\text{GPM} \times \text{PSI}}{1714 \times \text{Efficiency}}$
Pump Flow GPM	Flow =	$\frac{\text{RPM} \times \text{Pump Displacement (Cubic In./Rev.)}}{231}$
Torque- (Inch Lbs.)	Torque=	$\frac{63025 \times \text{HP}}{\text{RPM}}$

METRIC CONVERSIONS

To Convert	Into	Multiply By
Inches	Millimeters	25.40
Millimeters	Inches	.03937
Gallons	Liters	3.785
Liters	Gallons	.2642
Centimeters	Inches	.3937
Inches	Centimeters	2.540

MISSION STATEMENT

To offer quality pump-mounts at a competitive price with
friendly service-second to none.



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