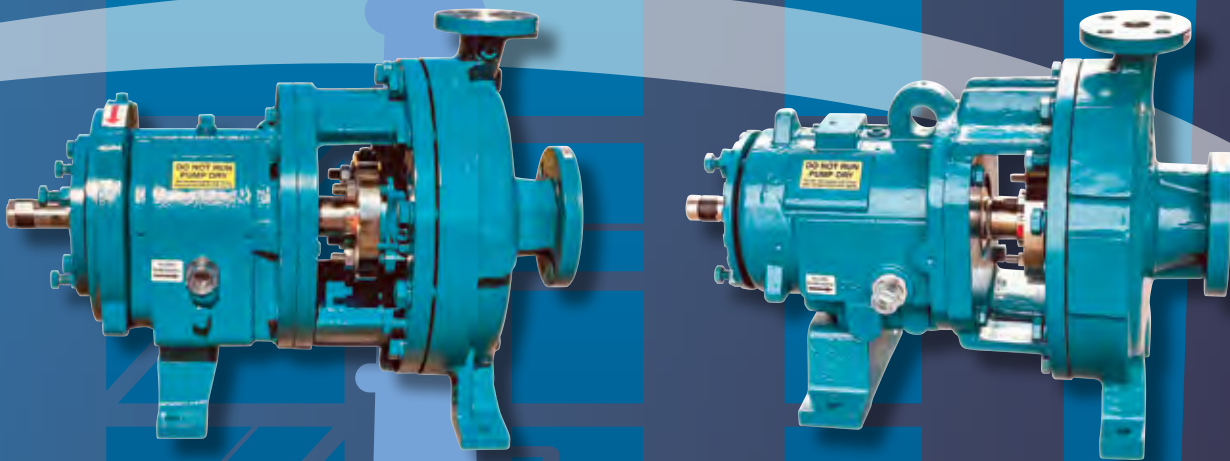


# MOSHERFLO PUMPS

## MosherFlo - G & D ANSI Pumps



DISTRIBUTED BY:

**(281) 800-PUMP (7867)**  
**sales@mosherflopumps.com**

LOCATION: 5902A FM 517 RD. E. SAN LEON, TX 77539  
MAILING ADDRESS: PO BOX 8929 BACLIF, TX 77518

# Mosherflo-G Features

## INPRO LABYRINTH SEALS – STANDARD

All Inboard and Outboard Isolators are installed to prevent bearing failure due to contamination or loss of oil. Bearing life is extended by running cooler & cleaner.

## ADJUSTABLE PERFORMANCE

An easy external adjustment can be made to extend the performance of the conditions of service for which the pump is rated.

## HEAVY DUTY BEARINGS & SHAFT

The bearings are sized for 10 year average life span. The shaft is rigid, designed with or without sleeve, for minimum deflection at seal faces less than 0.002-in. (.05mm)

## EXTRA LARGE OIL SUMP CAPACITY

Larger capacity provides for better heat transfer and durability.



## 3-D BULLSEYE™ SITE-GLASS

Luneta's 3-D Tritan BullsEye™ Sight glass makes viewing oil levels easy from any angle, even when pumps are in hard to reach places. This non-staining, solid patented copolyester sight glass will withstand more wear and tear than a typical sight window will allow.

## HEAVY DUTY POWER END

Designed for extra heavy duty applications that demand reliability.

## RIGID FRAME AND CASING FEET

Reduces effect of pipe loads and helps maintain shaft alignment, reducing vibration.

## MOUNTING FLANGE

Supports optional C-face adapter. Accommodates standard ANSI flanges.



## BEARING TEMPERATURE GAUGE

\*Optional - This feature allows you to check your bearing temperature with ease, helps with prevention and detection of overheating of bearing fluid & any problems resulting from an overheated bearing chamber. Available with every ANSI Pump.

## CARBON STEEL FRAME ADAPTER

Carbon Steel strength for safety and reliability.

## CASING

- Top Center-line Discharge
- Back pull-out design
- Integral casing feet
- Class 150 flange standard



## CASING BOLTS

S.S. Material

## IMPELLER – FULLY OPEN

Designed for corrosive environments.

## POSITIVE SEAL CASING JOINT

Protects alignment fit from liquid and eases disassembly.

## SEALING FLEXIBILITY

Available with a variety of sealing options—all types of packing and component & cartridge-type mechanical seals from a large number of well-known suppliers.

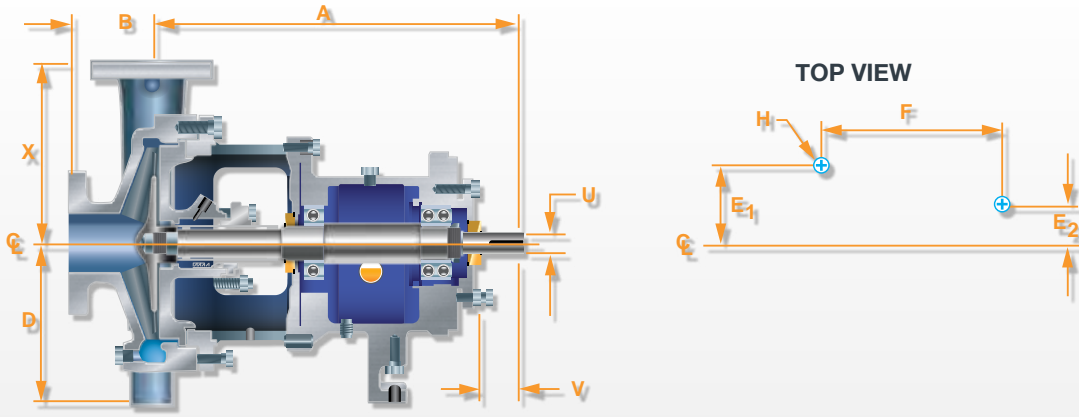
## WE ARE OEM BUYERS FOR:

- Flex-A-Seal
- John Crane
- AES
- Eagle-Burgmann
- and many others

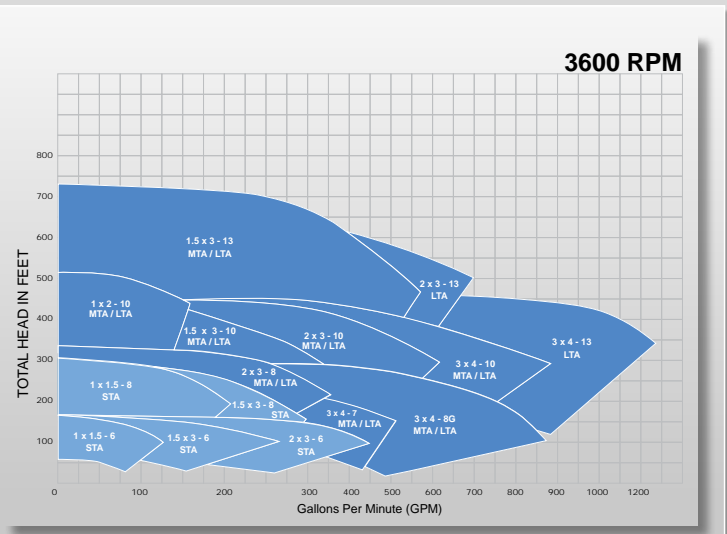
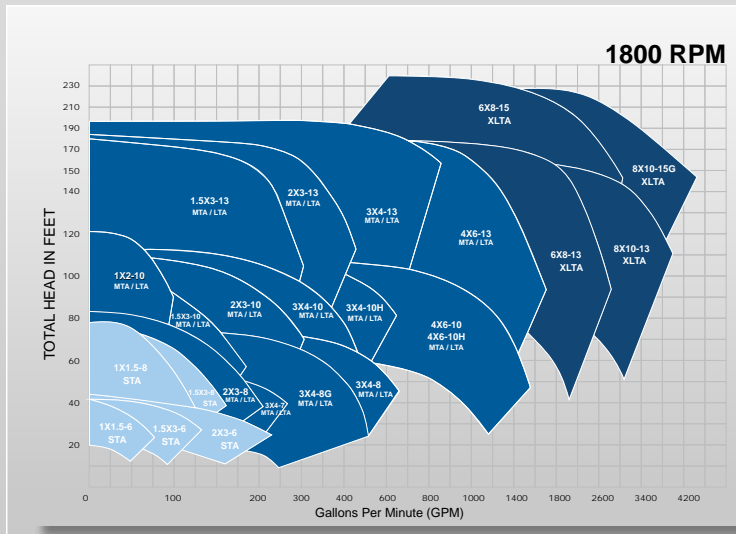
## COVER PLATE OPTIONS INCLUDE THE FOLLOWING:

- Standard Bore (CBS)
- Taper Bore (FML)
- Large Bore (CBL)

# Mosherflo-G Dimensional Data

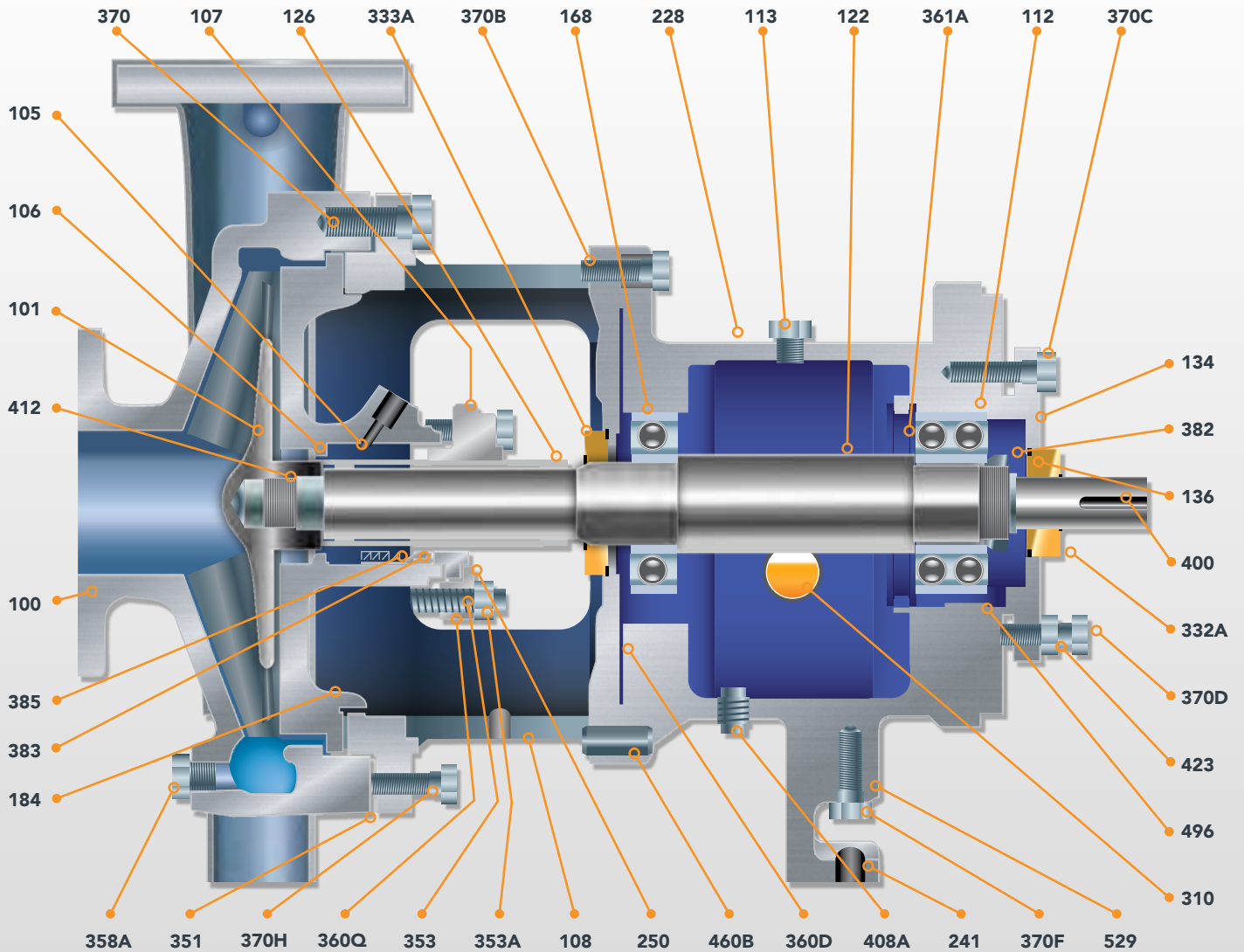


PUMP FRAME	ANSI DESIGNATION	DISCHARGE SIZE	SUCTION SIZE	IMPELLER SIZE	KEY DIMENSIONS (IN INCHES)												WEIGHTS		
					EXTERNAL DIMENSIONS				FOOT PATTERNS				SHAFT DIMENSIONS				LBS	(KG)	
					X	D	A	B	(OAL)	E1	E2	F	H	U	V	KEYWAY (W X D)			
STA	AA	1	1.5	6	6.5	5.25	13.5	4	(17.5)	3	0	7.25	0.625	0.875	2	3/16 X 3/32	85	39	
	AB	1.5	3	6													92	42	
	AC	2	3	6													95	43	
MTA/LTA	AA	1	1.5	8	8.5	8.25	19.5	4	(23.5)	4.875	3.625	12.5	0.625	FOR MTA 1.125 FOR LTA 1.875	2.625	FOR MTA 1/4 X 1/8 FOR LTA 1/2 X 1/4	100	45	
	AB	1.5	3	8													110	50	
	A70	3	4	7													11	220	100
	A60	2	3	8													9.5	200	91
	A70	3	4	8	11	220	100												
	A70	3	4	8G	11	220	100												
	A05	1	2	10	8.5	200	91												
	A50	1.5	3	10	8.5	220	100												
	A60	2	3	10	9.5	230	104												
	A70	3	4	10	11	265	120												
	A40	3	4	10H	12.5	275	125												
	A80	4	6	10	10	305	138												
	A80	4	6	10G	13.5	305	138												
	A80	4	6	10H	13.5	305	138												
	A20	1.5	3	13	10.5	245	111												
	A30	2	3	13	11.5	275	125												
A40	3	4	13	12.5	330	150													
A80	4	6	13	13.5	405	184													
XLTA	A90	6	8	13	16	14.5	27.875	6	(33.875)	8	4.5	18.75	0.875	2.375	4	5/8 X 5/16	560	254	
	A100	8	10	13	18												670	304	
	A110	6	8	15	16												610	277	
	A120	8	10	15	19												740	336	
	A120	8	10	15G	19												710	322	
	A105	4	6	17	16												650	295	
	A110	6	8	17	18												730	331	
A120	8	10	17	19	830	376													



\*Performance curves of the following models are not shown MTA/LTA 3X4-7, XLTA 4X6-17, XLTA 6X8-17, and XLTA 8X10-17. Please contact Mosherflo Pumps sales team for further information.

# Mosherflo-G Parts List



PART #	Qty	Name
100	1	CASING
101	1	IMPELLER
105	1	RING, LANTERN (Optional)
106	5	PACKING (Optional)
107	1	GLAND, PACKING (Optional)
108	1	ADAPTER
112	1	BEARING, OUTBOARD
113	1	PLUG, OIL FILL
122	1	SHAFT Solid / Sleeveable
126	1	SLEEVE, SHAFT
134	1	HOUSING, BEARING
136	1	LOCKNUT, BEARING
168	1	BEARING, INBOARD
184	1	COVER, STUFFING BOX
228	1	BEARING FRAME
241	1	BEARING FRAME FOOT
250	1	GLAND, MECHANICAL SEAL (Optional)
310	1	GAUGE: SIGHT, OIL
332A	1	LABYRINTH, OUTBOARD ISOLATOR
333A	1	LABYRINTH, INBOARD ISOLATOR
351	1	GASKET, CASE
353	4	STUD, GLAND

PART #	Qty	Name
353A	4*	NUT, GLAND STUD
358A	1	PLUG, CASING DRAIN (Optional)
360D	1	GASKET, FRAME / ADAPTER
360Q	1	GASKET GLAND, MECHANICAL SEAL
361A	1	SNAP RING, BEARING
370	0,12,15	BOLT, CASING
370B	4	BOLT, FRAME / ADAPTER
370C	3	BOLT, FRAME / BEARING HOUSING
370D	3	JACK BOLT, BEARING HOUSING
370F	2	BOLT FRAME FOOT
370H	2	BOX COVER / ADAPTER STUD
382	1	LOCKWASHER, BEARING
383	1	SEAL, MECHANICAL ROTATING ELEMENT (Optional)
385	1	SEAL, MECHANICAL STATIONARY ELEMENT (Optional)
400	1	KEY, COUPLING
408A	1	MAGNETIC PLUG, FRAME DRAIN
412	1	O-RING, IMPELLER
423	3	JAMNUT, BEARING HOUSING JACK BOLT
460B	2	DOWEL PIN, FRAME / ADAPTER
496	1	O-RING, BEARING HOUSING / FRAME
529	2	WASHER, FRAME FOOT TO FOOT
		*PACKING GLAND HAS ONLY 2 STUDS & NUTS



# Mosherflo-D Mill Features

## INPRO LABYRINTH SEALS – STANDARD

All Inboard and Outboard Isolators are installed to prevent bearing failure due to contamination or loss of oil. Bearing life is extended by running cooler & cleaner.

## LARGER BEARINGS AND SHAFT

The bearings and shaft are larger than those found in other ansi pump designs, thus reducing vibration and shaft deflection and, in turn, extending bearing life.

## ADJUSTABLE PERFORMANCE & EXTERNAL IMPELLER ADJUSTMENT

An easy external adjustment can be made to extend the performance of the conditions of service for which the pump is rated. Quickly allows for setting the impeller clearance during initial assembly or on-site.



## 3-D BULLSEYE™ SITE-GLASS

Luneta's 3-D Tritan BullsEye™ sight glass makes viewing oil levels easy from any angle, even when pumps are in hard to reach places. This non-staining, solid patented copolyester sight glass will withstand more wear and tear than a typical sight window will allow.

## RIGID FRAME AND CASING FEET

Reduces effect of pipe loads and helps maintain shaft alignment, reducing vibration.

## SEALING FLEXIBILITY

Available with a variety of sealing options—all types of packing and component & cartridge-type mechanical seals from a large number of well-known suppliers.

## WE ARE OEM BUYERS FOR:

- Flex-A-Seal
- John Crane
- AES
- Eagle-Burgmann
- and many others

## COVER PLATE OPTIONS INCLUDE THE FOLLOWING

- Standard Bore (CBS)
- Taper Bore (FML)
- Large Bore (CBL)

## BEARING TEMPERATURE GAUGE

\*Optional - This feature allows you to check your bearing temperature with ease and helps with prevention and detection of overheating of bearing fluid & any problems resulting from an overheated bearing chamber. Available with every ANSI Pump.



## FRAME ADAPTER

High tensile strength for reliability.

## CASING

- Top Center-line Discharge
- Back pull-out design
- Integral Casing Feet
- Class 150 Flanges standard

## CASING BOLTS

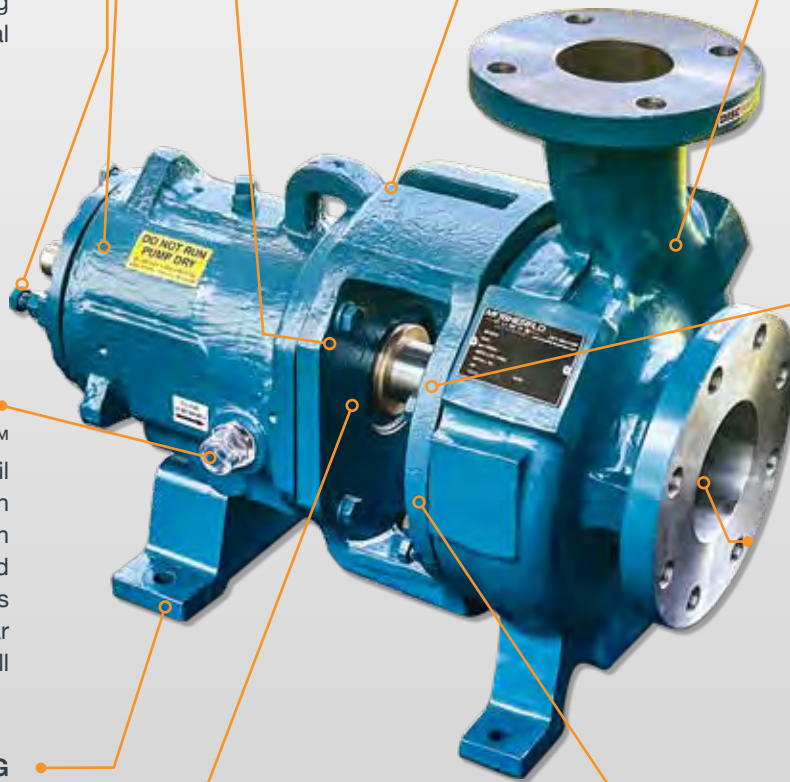
S.S. Material

## SPECIALLY DESIGNED REVERSE VANE IMPELLER

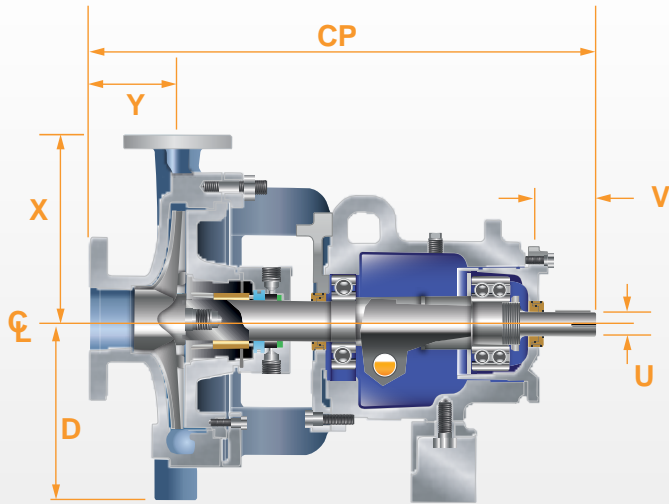
Offers consistent performance throughout the pump's lifetime. Reverse Vane is standard. Open impellers are available upon request.

## POSITIVE SEAL CASING JOINT

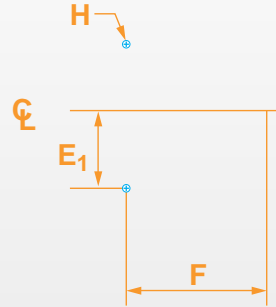
Protects alignment fit from liquid and eases disassembly.



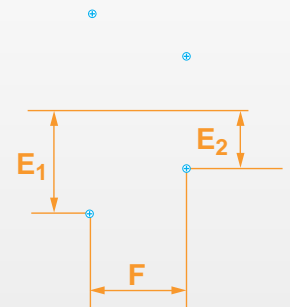
# Mosherflo-D Interchangeability and Dimensional Data



TOP VIEW:  
FOOTPRINT G1

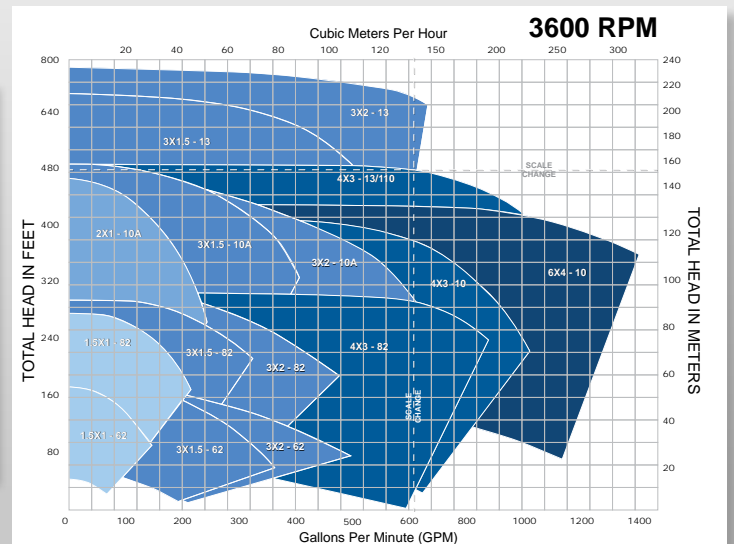
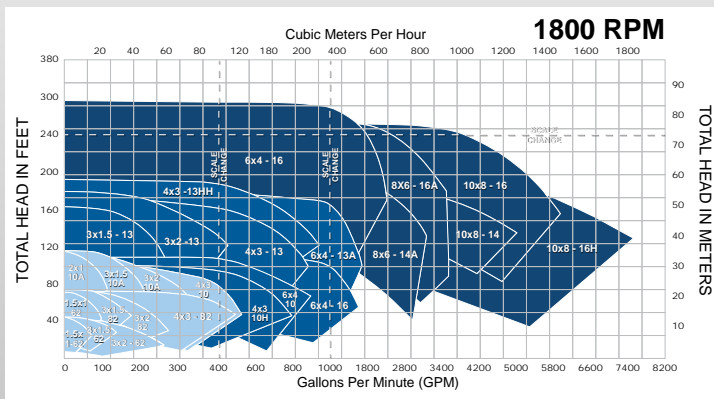


TOP VIEW:  
FOOTPRINT G2 / G3

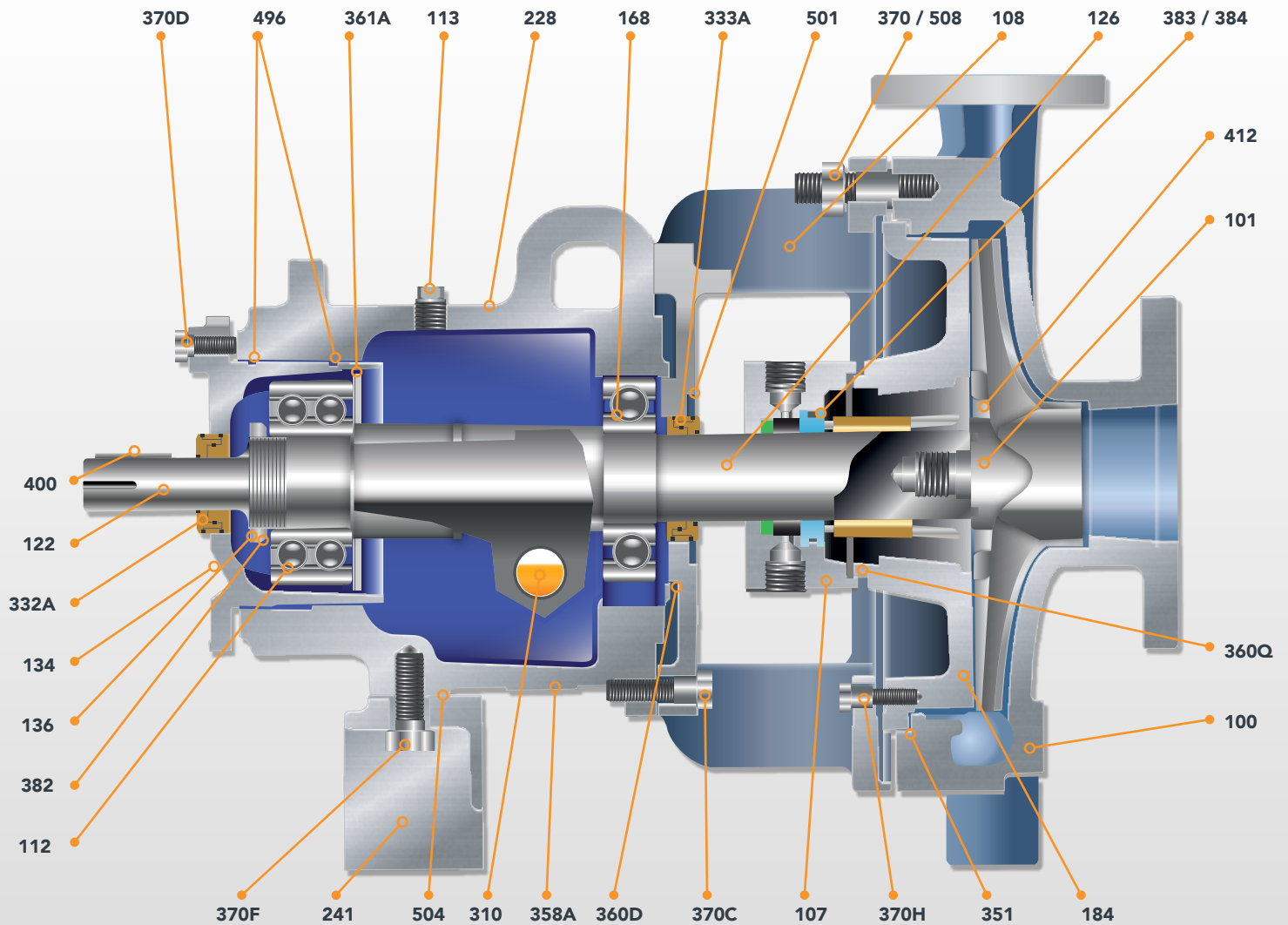


PUMP FRAME	ANSI DESIGNATION	SUCTION SIZE	DISCHARGE SIZE	IMPELLER SIZE	KEY DIMENSIONS (IN INCHES)							WEIGHT LBS (KG)	
					X	D	(CP-Y)	Y	CP	U	V	LBS	KG
DMIII GROUP 1	AA	1.5	1	62	6.5	5.25	13.5	4	17.5	0.875	2	97	44
	AB	3	1.5	62								112	51
	A10	3	2	62								116	53
	AA	1.5	1	82								103	47
	AB	3	1.5	82								124	56
DMIII GROUP 2	A60	3	2	82	9.5	8.25	19.5	4	23.5	*1.125	2.625	200	91
	A70	4	3	82	11							227	103
	A05	2	1	10A	8.5							210	95
	A50	3	1.5	10A	8.5							220	100
	A60	3	2	10A	9.5							226	103
	A70	4	3	10	11							225	102
	A70	4	3	10H	12.5							249	113
	A80	6	4	10	13.5							290	132
	A80	6	4	10H	13.5							328	149
	A20	3	1.5	13	10.5							250	113
	A30	3	2	13	11.5							258	117
	A40	4	3	13	12.5							281	127
	A40	4	3	13HH	12.5							281	127
	A80	6	4	13A	13.5							324	147
	DMIII GROUP 3	A90	8	6	14A							16	14.5
A100		10	8	14	18	899	408						
-		6	4	16	16	641	291						
A110		8	6	16A	18	832	377						
A120		10	8	16	19	917	416						
A120		10	8	16H	19	992	450						

\* DMIII GROUP 2 6X4-10 PUMP AND 6X4-10H PUMP HAVE A 1-1/2" SHAFT DIAMETER



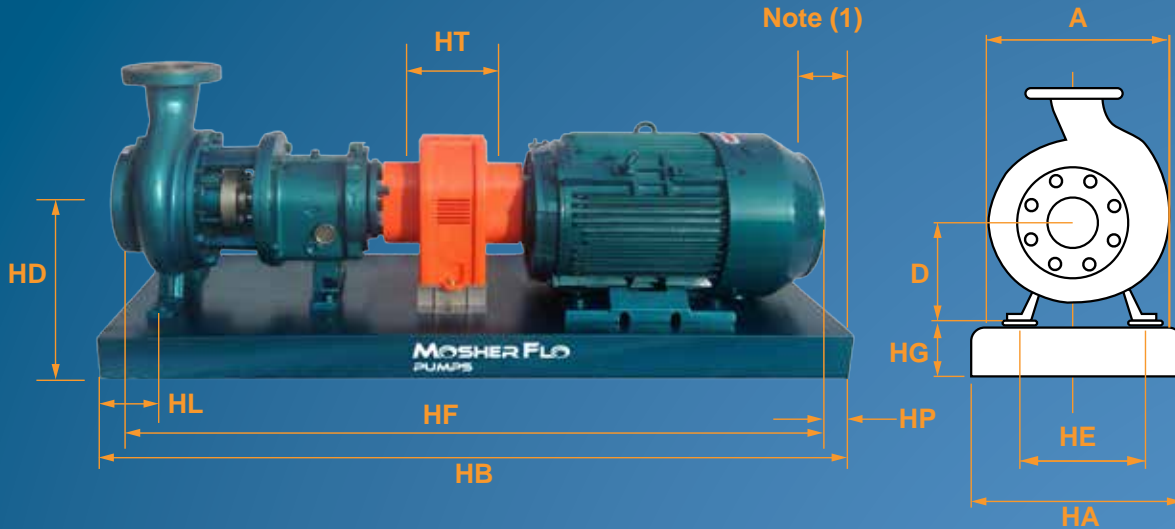
# Mosherflo-D Parts List



PART #	Name
100	CASING
101	IMPELLER
106	PACKING (Optional Not Shown)
107	GLAND
108	ADAPTER – BEARING HOUSING
112	BALL BEARING – OUTBOARD
113	PLUG – OIL FILL
122	SHAFT
126	SLEEVE (Optional)
134	BEARING CARRIER
136	BEARING LOCKNUT
168	BALL BEARING – INBOARD
184	COVER
228	BEARING HOUSING
241	SUPPORT FOOT
250	SEAL CAGE (W/Packing Not Shown)
310	SIGHT GAUGE – BEARING HOUSING 3D BULLSEYE
332A	OIL SEAL – LABYRINTH, OUTBOARD ISOLATOR
333A	OIL SEAL – LABYRINTH, INBOARD FRAME, ISOLATOR
351	GASKET – COVER
353A	NUT – GLAND – (Not Shown)
358A	MAGNETIC PLUG – BEARING HOUSING DRAIN

PART #	Name
360D	O-RING – ADAPTER
360Q	GASKET – GLAND
361A	RETAINING RING – BEARING
370	STUD – CASING
370C	SCREW – BEARING HOUSING
370D	SCREW – BEARING CARRIER SET
370F	SCREW – FOOT
370H	SCREW – COVER/ADAPTER
382	LOCKWASHER BEARING
383 / 384	MECHANICAL SEAL
400	KEY – SHAFT/COUPLING
412	GASKET – IMPELLER
496	O-RING – BEARING CARRIER
500	RETAINING RING – CLAMP TYPE (Not shown)
501	DEFLECTOR INBOARD (Optional)
502	OIL FLINGER (Optional, Not Shown)
503	CONSTANT LEVEL OILER (Optional, Not Shown)
504	SHIM
505	PLUG – BEARING HOUSING VENT (Not Shown)
506	SCREW – CLAMP (Not Shown)
507	STUD – GLAND – (Not Shown)
508	NUT – CASING

# MosherFlo G & D ANSI Interchangeability and Dimensional Data



BASEPLATE DIMENSIONS (Dimensions In Inches)																
Model	Baseplate No.	Nema Frames Available	HA	HB	HT	HD Max. (Note 2)				HE	HF	*HG		HH	HL	HP
						D=5.25	D=3.25	D=10	D=14.5			D=8.25	D=10			
ST/G1	1	56-145T	10	36	3.75	8.25	---	---	---	6	32.5	3	0.75	4.5	1.25	
	2	182-215T	12	42	3.75	8.5	---	---	---	6	36.5	3.25	0.75	4.5	1.25	
	3	254U-286TS	15	48	3.75	9.38	---	---	---	6	43.5	4.125	0.75	4.5	1.25	
MT/G2	1	143-215	15	48	3.75	---	12	13.75	---	9.5	42.5	3.75	3.75	0.75	4.5	1.25
	2	254-286	15	58	3.75	---	12.38	14.13	---	9.5	49.5	4.125	4.125	0.75	4.5	1.25
	3	324-326	18	60	3.75	---	13	14.75	---	9.5	55.5	4.75	4.75	1	4.5	1.25
	3	364-365	18	60	3.75	---	14	14.75	---	9.5	55.5	5.75	4.75	1	4.5	1.25
	4	404-405	22	68	3.75	---	15	15	---	9.5	57.5	6.75	5	1	4.5	1.25
	4	440 SER.	24	80	3.75	---	16	16	---	9.5	57.5	7.75	6	1	4.5	1.25
XLT/G3	1	213-286T	22	68	5.25	---	---	---	19.25	16	65.5	4.75	1	6.5	1.25	
	2	324-365TS	22	72	5.25	---	---	---	19.25	16	65.5	4.75	1	6.5	1.25	
	3	404-447TS	24	92	5.25	---	---	---	19.25	16	77.5	4.75	1	6.5	1.25	

BASETEK DIMENSIONS					
BASE	NEMA	HA	HB	HG	HL
127		15	27	3.63	4.50
139	143/5T, 182/4T	15	39	3.63	4.50
148	213/5T, 254/6T	18	48	4.00	4.50
153A	284T/TS, 286T/TS	21	53	4.00	4.50
153B	324T/TS, 326T/TS	21	53	4.00	4.50
245	143/5t, 182/4T	15	45	3.63	4.50
252	213T, 215T	18	52	4.00	4.50
258A	254T, 256T	21	58	4.00	4.50
258B	284T/TS, 286T/TS	21	58	4.00	4.50
264A	324T/TS, 326T/TS	21	64	4.00	4.50
264B	364T/TS, 365T/TS	21	64	4.00	4.50
268	404T/TS, 405T/TS	26	68	4.00	4.50
280	444/5/7/9TS	26	80	4.00	4.50
368	284T, 286T	26	68	4.00	6.50
380A	324/6T, 404T/TS	26	80	4.00	6.50
380B	364/5T, 405T/TS	26	80	4.00	6.50
398	444/5T/TS, 447/9T	26	98	4.00	6.50

**Notes:**

- (1) Motor should not extend beyond end of baseplate.
- (2) If applicable, Motor Requires Shims/Risers to Meet Centerline of Pump. (not shown in above diagram)

\*For channel baseplate, refer to your local Motion Industries branch for weight per Ft. # information.



MosherFlo is offering, as standard on their baseplates, Falk Orange Peel Guards - Never dents, rusts, or needs painting with 3 year heavy-duty factory warranty. Orange Peel guards comply with OSHA, ASME, and ANSI standards.

C-CHANNEL Steel Base ≈1/2"	HA	Weight per Ft.	HG - HEIGHT	THICKNESS
	10	15.30#	2.6	0.24
	10	20.00#	2.739	0.379
	10	25.00#	2.886	0.526
	10	30.00#	3.033	0.673
	12	20.70#	2.94	0.28
	12	25.00#	3.047	0.387
	12	30.00#	3.17	0.51
	12	31.00#	3.67	0.37
	15	33.90#	3.4	0.4
	15	40.00#	3.52	0.52
	15	50.00#	3.716	0.716
	18	42.70#	3.95	0.45
	18	45.80#	4	0.5
	18	51.90#	4.1	0.6
	18	58.00#	4.2	0.7

For more information on these products or any of our other products, please give us a call at (281)800-PUMP or contact us via email: sales@mosherflopumps.com. We have Applications Specialists and Customer Care Representatives standing by 24 hours a day, 7 days a week!