

Impeller size
10 5/16..7 15/16 inch

N° of vanes
1

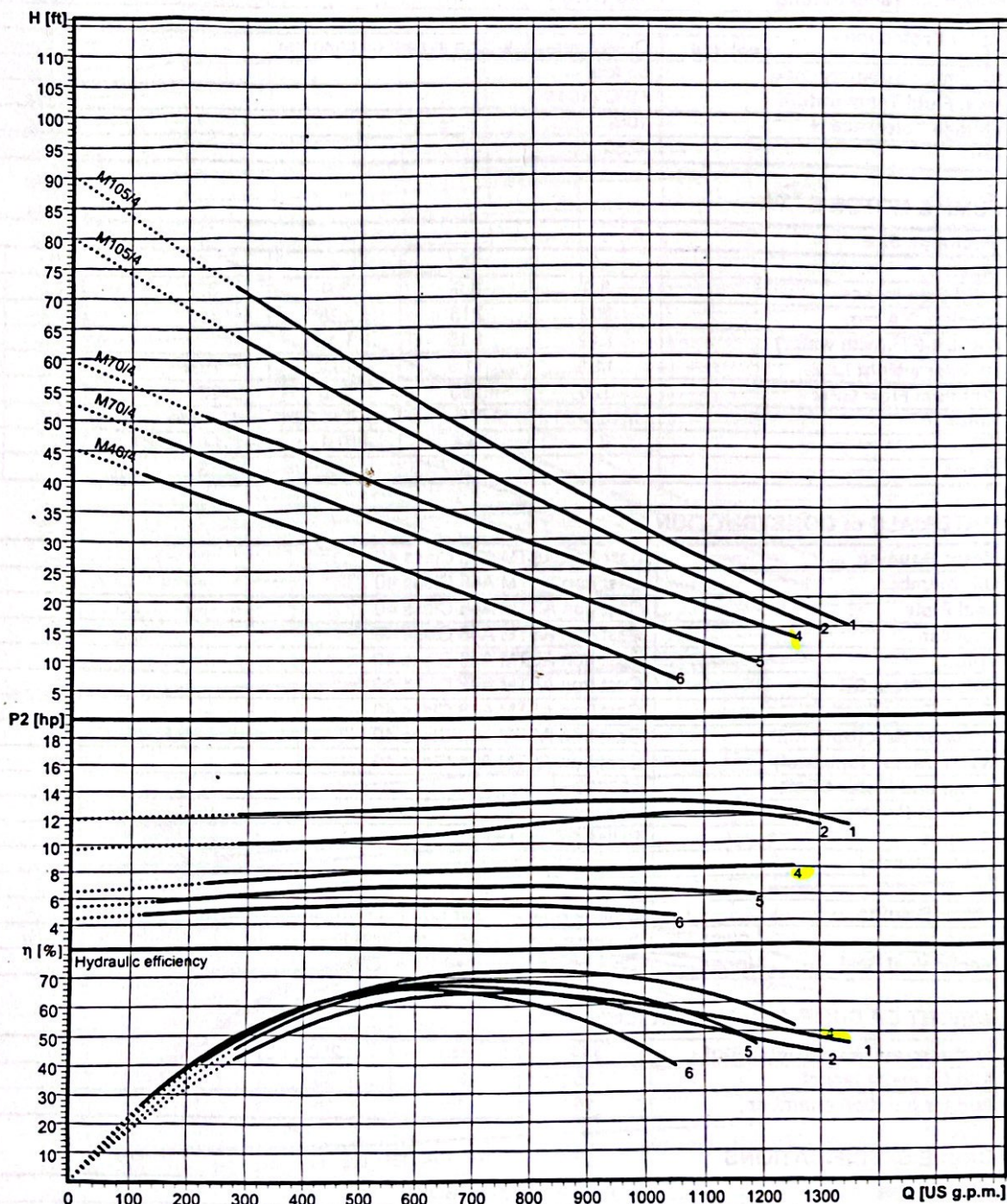
Testnorm
Hydraulic Institute

Discharge
6 inch

Rated speed
1705..1710 rpm

Solid size
4 inch

Date
2000-01-04



Specifications subject to change without notice

Operation in dotted range is not recommended

Revision 1999-11-19

ABSEL PRO 1.2 / 1999-12-10

TECHNICAL DATA**4 Pole****AFP 1541**

Dwg. DS-A01-043 Rev: Date: 01/00

Section AFP Tab 6" Open CB Page 1.2

STANDARD & EXPLOSION PROOF**MOTOR SPECIFICATIONS**

Motor Design	NEMA design B, squirrel cage induction, air filled	
Motor Type	Enclosed submersible	
Insulation Class	Class F, rated at 155°C	
Bimetallic Temp Setting	140°C ± 5°C	
Motor Protection	Thermal	Bimetallic Switches in each Phase
	Leakage	DI Moisture Detection in seal oil chamber
Maximum Submergence	65 feet	
Max. Fluid Temperature	40°C (104°F)	
Voltage Tolerance ±	10%	
RPM	1780	

PUMP & MOTOR DATA

Discharge Size	6"					
Impeller	.6	.5	.4	.2	.1	
Solid Size-Inches	3.9	3.9	3.9	3.9	3.9	
Impeller DIA mm	202	213	225	253	262	
WK ² LB-FT ² (with water)	1.12	1.16	1.42			
Impeller weight LBS.	11.4	11.9	13.2	15.9	15.9	
Minimum Flow GPM	120	150	220	280	280	
Motor	M46/4-21	M70/4-22	M70/4-22	M105/4	M105/4	
BHP	6.2	9.4	9.4	14.1	14.1	
Phase	3	3	3	3	3	

MATERIALS of CONSTRUCTION

Motor Housing	Cast Iron ASTM A48 Class 40				
Oil Chamber	Cast Iron ASTM A48 Class 40				
Seal Plate	Cast Iron ASTM A48 Class 40				
Impeller	Cast Iron ASTM A48 Class 40				
Volute	Cast Iron ASTM A48 Class 40				
Bottom Plate CB	Cast Iron ASTM A48 Class 40				
Cable Entry Casting	Cast Iron ASTM A48 Class 40				
Junction Box (optional)	Cast Iron ASTM A48 Class 40				
Water Jacket (optional)	Cast Iron ASTM A48 Class 40				
Pump and Motor Shaft	420 SS				
External Hardware	316 SS				
O-Rings	BUNA "N" (NITRILE)				
Cable Glands	BUNA "N" (NITRILE)				
Upper Bearing	Single Row Ball Permanently Lubricated				
Lower Bearing	Double Row Angular Contact Permanently Lubricated				
Tandem	Lower	Silicon Carbide on Silicon Carbide			
Mechanical Seal	Upper	Chrome Steel on Carbon			

WEIGHT OF PUMP AND MOTOR (LBS)

Standard and Explosion proof	242	248	250	257	257	
Add for water jacket	35	35	35	36	36	
Add for junction chamber	16	16	16	16	16	

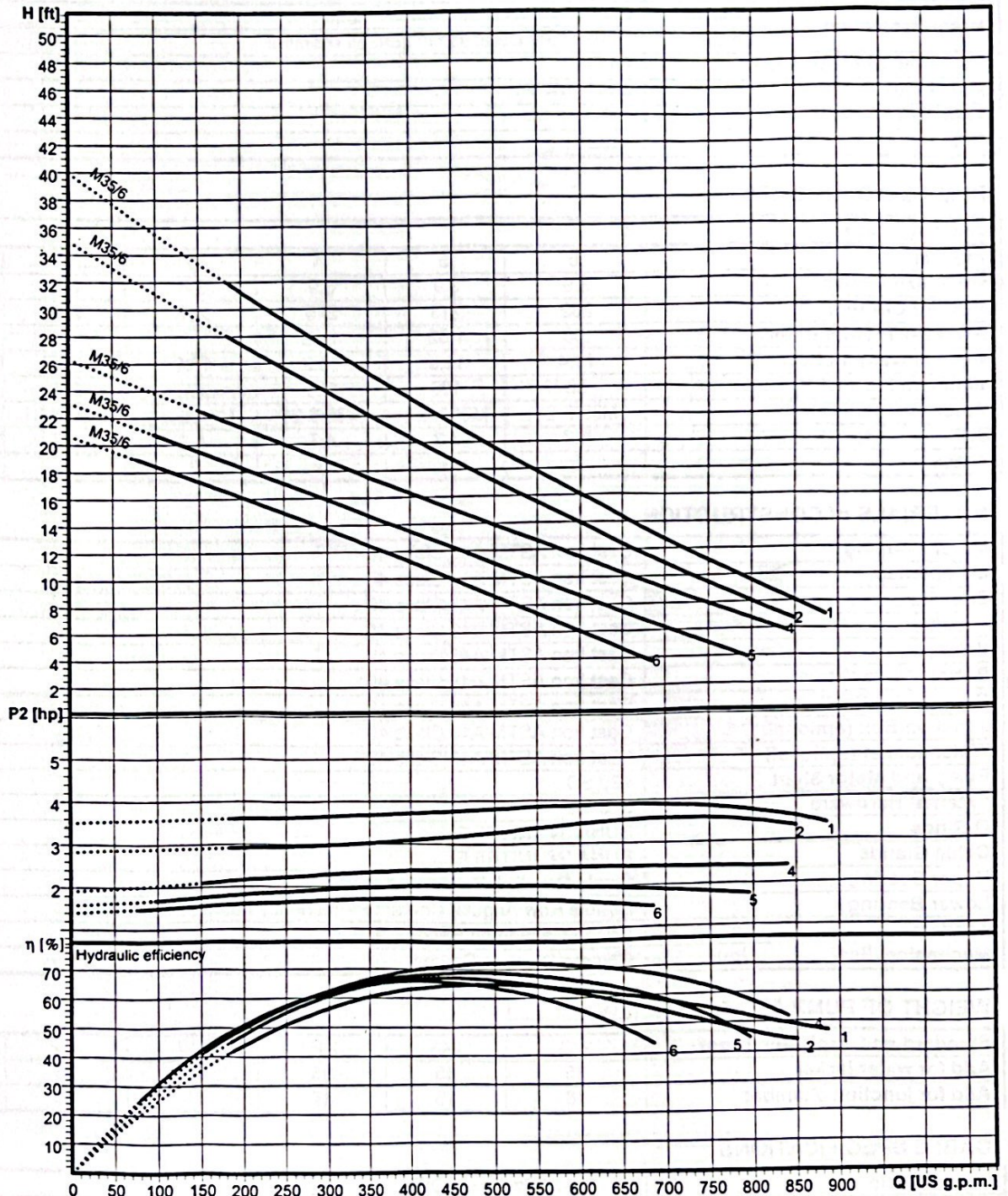
CABLE SPECIFICATIONS

Power Cable	H07RN-F, Ozoflex, SOW					
Control Cable	Included in Power Cable					
Cable OD inches	1.0	1.0	1.0	1.0	1.0	
Cable, Standard Length	30 feet					

Specifications subject to change without notice

ABS
 COST-EFFECTIVE PUMPING

Impeller size 10 5/16..7 15/16 inch	N° of vanes 1	Testnom Hydraulic Institute	Discharge 6 inch Rated speed 1115 rpm	Solid size 4 inch Date 2000-01-04
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Revision 1999-11-19

ABSEL PRO 1.2 / 1999-12-10

TECHNICAL DATA**6 Pole****AFP 1541**

Dwg. DS-A01-044 Rev: Date: 01/00

Section AFP Tab 6" Open CB Page 1.4

STANDARD & EXPLOSION PROOF**MOTOR SPECIFICATIONS**

Motor Design	NEMA design B, squirrel cage induction, air filled
Motor Type	Enclosed submersible
Insulation Class	Class F, rated at 155°C
Bimetallic Temp Setting	140°C ± 5°C
Motor Protection	Thermal Leakage
	Bimetallic Switches in each Phase DI Moisture Detection in seal oil chamber
Maximum Submergence	65 feet
Max. Fluid Temperature	40°C (104°F)
Voltage Tolerance ±	10%
RPM	1180

PUMP & MOTOR DATA

Discharge Size	6"					
Impeller	.6	.5	.4	.2	.1	
Solid Size-Inches	3.9	3.9	3.9	3.9	3.9	
Impeller DIA mm	202	213	225	253	262	
WK ² LB-FT ² (with water)	.95	1.02	1.28			
Impeller weight LBS.	11.4	11.9	13.2	15.9	15.9	
Minimum Flow GPM	80	100	150	280	280	
Motor	M35/6-21	M35/6-21	M35/6-21	M35/6-21	M35/6-21	
BHP	4.7	4.7	4.7	4.7	4.7	
Phase	3	3	3	3	3	

MATERIALS of CONSTRUCTION

Motor Housing	Cast Iron ASTM A48 Class 40
Oil Chamber	Cast Iron ASTM A48 Class 40
Seal Plate	Cast Iron ASTM A48 Class 40
Impeller	Cast Iron ASTM A48 Class 40
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O-Rings	BUNA "N" (NITRILE)
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Upper Bearing	Single Row Ball Permanently Lubricated
Lower Bearing	Double Row Angular Contact Permanently Lubricated
Tandem	Lower
Mechanical Seal	Upper
	Silicon Carbide on Silicon Carbide
	Chrome Steel on Carbon

WEIGHT OF PUMP AND MOTOR (LBS)

Standard and Explosion proof	243	243	245	252	252	
Add for water jacket	35	35	35	35	35	
Add for junction chamber	16	16	16	16	16	

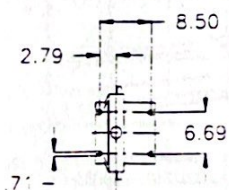
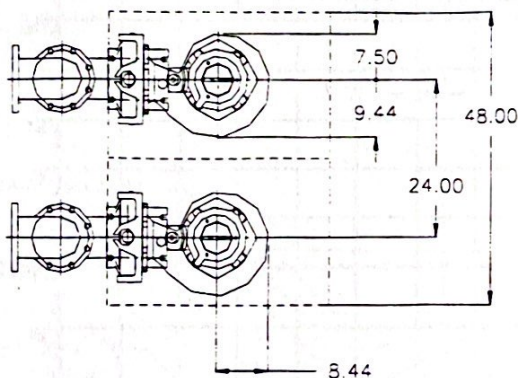
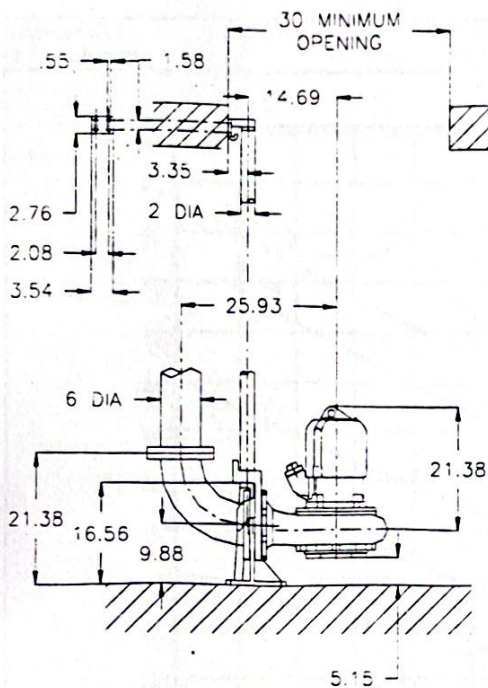
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Control Cable	Included in Power Cable					
Cable OD inches	1.0	1.0	1.0	1.0	1.0	
Cable, Standard Length	30 feet					

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ABS
COST-EFFECTIVE PUMPING

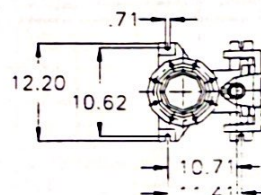
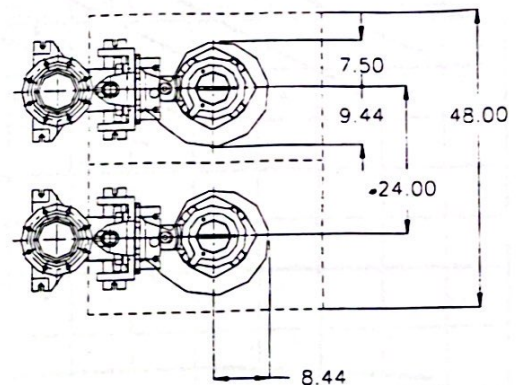
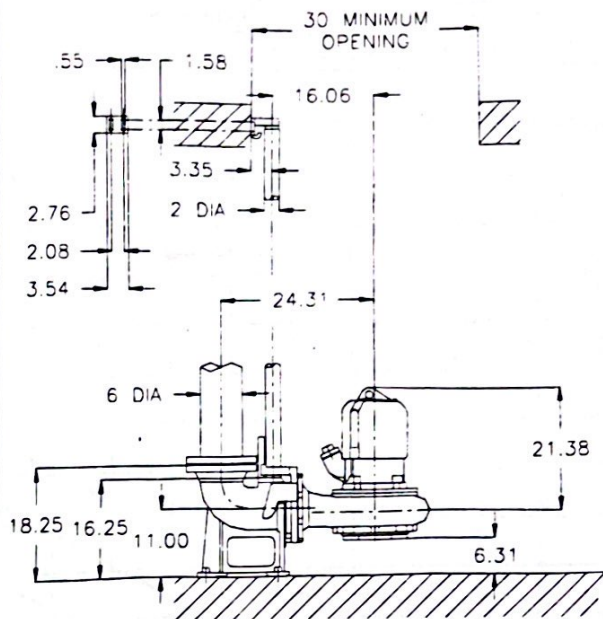
62320537 Guide Rail Assy



C GUIDE RA

ANCHOR BOLT LOCATION

62320655 Guide Rail Assy



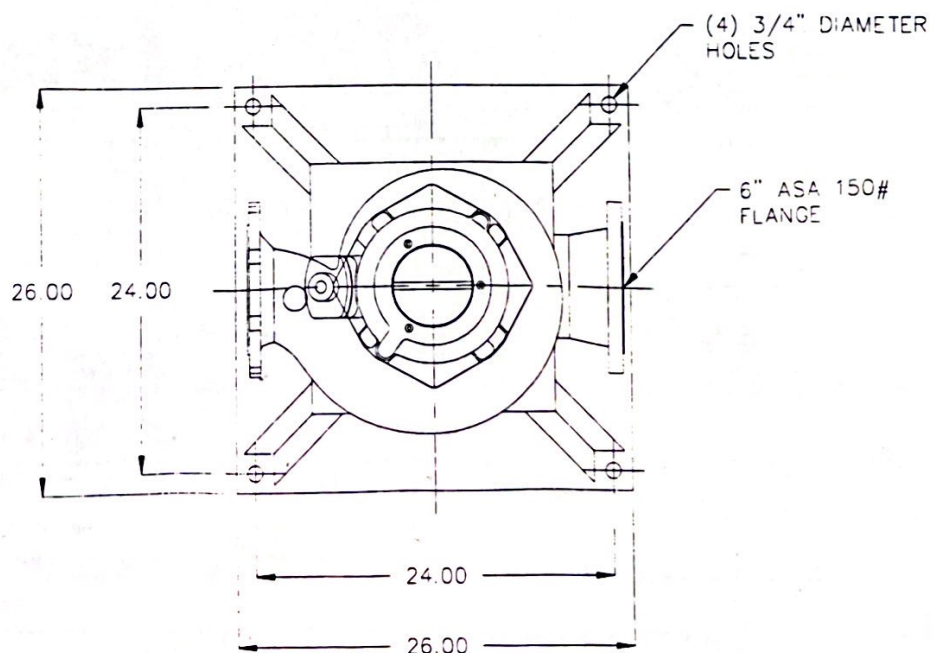
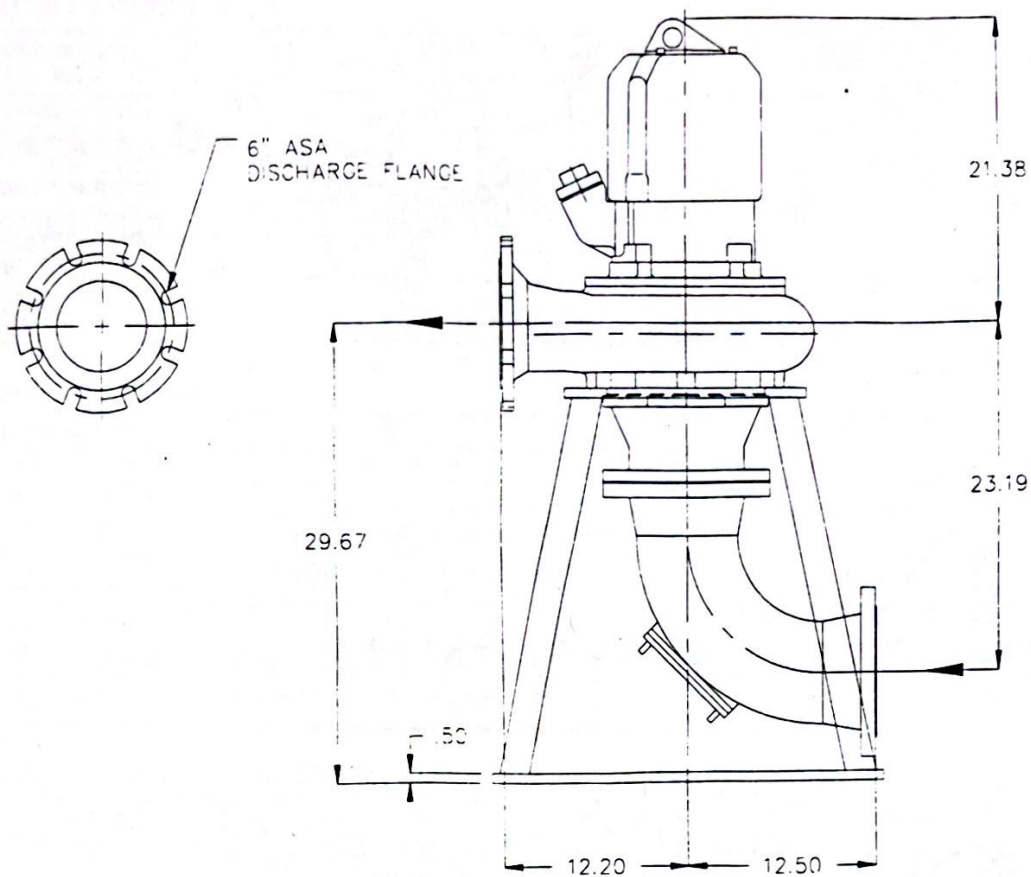
C GUIDE RAIL

ANCHOR BOLT LOCATION

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Specifications subject to change without notice

ABS
COST-EFFECTIVE PUMPING



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ABS
COST-EFFECTIVE PUMPING