AM 232 PUMP DRIVE

MAXIMUM INPUT POWER 570 KW (765 HP)
1:1 RATIO @ 2400 RPM

QUALITY IS STANDARD:

- CAST IRON HOUSINGS
- CASE HARDENED AND GROUND SPUR GEARS
- BALL BEARINGS
- CASE HARDENED SHAFTS
- VITON SEALS ON INPUT SHAFT
- OUTPUT ROTATION OPPOSITE THE DIRECTION OF INPUT ROTATION
- GEAR RATIOS IDENTICAL ON ALL OUTPUTS
- MODULAR DESIGN

AM 232 TECHNICAL DATA

RATIO :1	MAX. INPUT TORQUE N-m (lbf-ft)	MAX. OUTPUT TORQUE PER PUMP PAD N-m (lbf-ft)	MAX. INPUT SPEED RPM	MAX. OUTPUT SPEED RPM	OIL QUANTITY L (gal)
0.49	2611 (1925)	651 (480)	1750	3571	5.0 (1.32)
0.77	2441 (1800)	943 (695)	2100	2727	5.0 (1.32)
1.00	2279 (1680)	1153 (850)	2400	2400	4.5 (1.19)

LOAD CLASSIFICATIONS BASED UPON AGMA LOAD CHARACTERISTICS

PRIME MOVER	DURATION OF SERVICE	DRIVEN MACHINE LOAD CLASSIFICATIONS		
		UNIFORM	MODERATE SHOCK	HEAVY SHOCK
Electric motor	Up to 3 hours per day	1.00	1.25	1.50
	3-10 hours per day	1.00	1.25	1.75
	Over 10 hours per day	1.25	1.50	2.00
Multi-cylinder internal combustion engine	Up to 3 hours per day	1.00	1.25	1.75
	3-10 hours per day	1.25	1.50	2.00
	Over 10 hours per day	1.50	1.75	2.25
Multi-cylinder internal combustion engine with high torque rise	Up to 3 hours per day	1.50	1.75	2.25
	3-10 hours per day	1.75	2.00	2.50
	Over 10 hours per day	2.00	2.25	2.75
Single cylinder internal combustion engine	Up to 3 hours per day	1.25	1.50	2.00
	3-10 hours per day	1.50	1.75	2.25
	Over 10 hours per day	1.75	2.00	2.50

All clutch engagements to be with prime mover below 1000 RPM. High inertia loads may require use of larger clutch. Contact Twin Disc application engineering department for assistance.

TO CALCULATE APPLICATION TORQUE:

$$\frac{5252 \times HP}{\text{Engine RPM}} = \text{Torque}$$

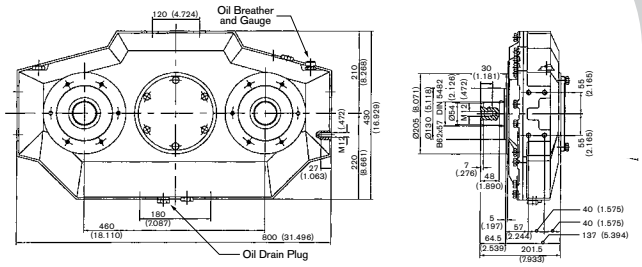
Torque x Load Factor = Application Torque

Use load factor from chart at left

Maximum torque and maximum speed may be limited by clutch option.
Specifications subject to change without prior notice in the interest of continual product improvement.
Contact your local Twin Disc representative for engineering specifications.

Basic Pump Drive
AM 232 B

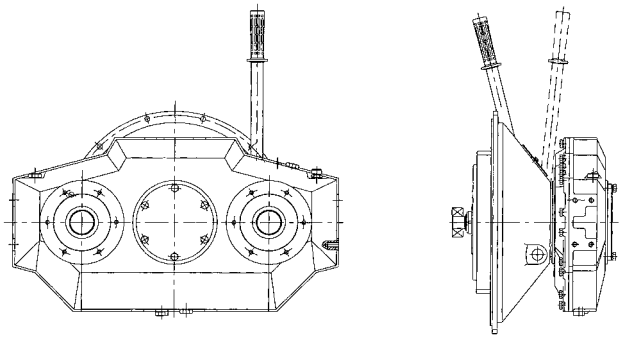
Two additional pump pads available on input side of drive.



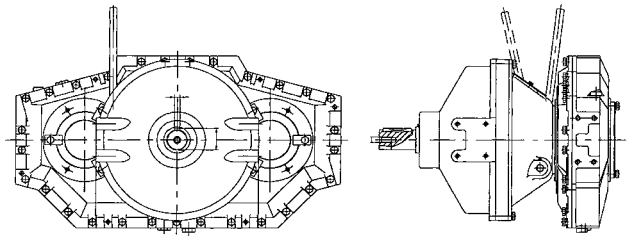
With two plate 11″ clutch
AM 232 BD 290

With two plate 14″ clutch
AM 232 BD 2200

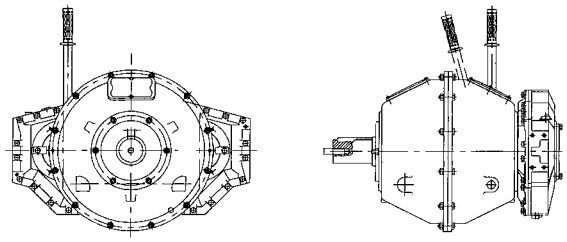
With three plate 14″ clutch
AM 232 BD 3300



Independent Mount
with two plate 11″ clutch
AM 232 BDS 290



Independent Mount
with two plate 14″ clutch
AM 232 BDS 2200



AM 232 MOMENT OF INERTIA DATA

RATIO	B	BD 290	BD 2200	BD 3300	BDS 290	BDS 2200
:1	kg-m² (lb-ft²)	kg-m² (lb-ft²)	kg-m² (lb-ft²)	kg-m² (lb-ft²)	kg-m² (lb-ft²)	kg-m² (lb-ft²)
0.49	0.3184 (7.56)	0.768 (18.23)	2.143 (50.86)	2.868 (68.07)	0.993 (23.57)	3.318 (78.75)
0.77	0.2292 (5.44)	0.679 (16.12)	2.054 (48.75)	2.794 (66.29)	0.904 (21.46)	3.229 (76.63)
1.00	0.2026 (4.81)	0.653 (15.49)	2.028 (48.12)	2.753 (65.32)	0.878 (20.83)	3.203 (76.00)

MODEL	WEIGHT kg (lb)
AM 232 B	126 (278)
AM 232 BD 290	192 (423)
AM 232 BD 2200	259 (571)
AM 232 BD 3300	302 (666)
AM 232 BDS 290	219 (483)
AM 232 BDS 2200	369 (814)

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For nearly a century, we've been putting horsepower to work by designing, engineering and manufacturing rugged-duty industrial products. Our products and our reputation are bolted to the most renowned engine manufacturers and equipment OEMs in the world. Our mission is to make your machines and vehicles more productive, more durable, more operator-friendly, more cost-effective. From design and installation consultation through after-sale support, Twin Disc and its distributors are committed to your business. No one knows more about managing horsepower in more ways than Twin Disc.

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