AM 230 PUMP DRIVE

MAXIMUM INPUT POWER 495 KW (660 HP)
1:1 RATIO @ 2600 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 230 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)
0.50	2204 (1625)	563 (415)	1950	3900	5.5 (1.45)
0.58	2184 (1610)	651 (480)	2050	3534	5.0 (1.32)
0.67	2102 (1550)	705 (520)	2200	3284	4.5 (1.19)
0.76	2035 (1500)	800 (590)	2300	3026	4.0 (1.06)
1.00	1808 (1333)	997 (735)	2600	2600	3.7 (0.98)
1.31	1763 (1300)	1065 (785)	3000	2290	3.2 (0.85)
1.48	1628 (1200)	1092 (805)	3200	2162	3.0 (0.79)

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:

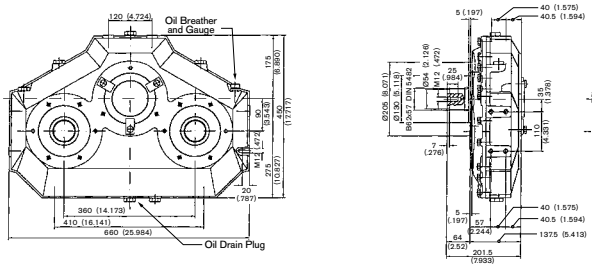
$$\frac{5252 \times HP}{\text{Engine RPM}} = \text{Torque}$$

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.

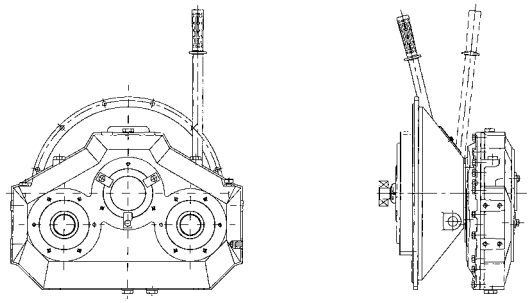
Basic Pump Drive
AM 230 B



With two plate 11″ clutch
AM 230 BD 290

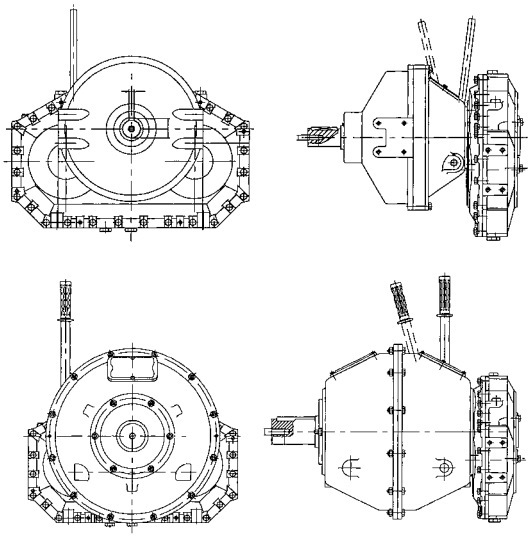
With two plate 14″ clutch
AM 230 BD 2200

With three plate 14″ clutch
AM 230 BD 3300



Independent Mount
with two plate 11″ clutch
AM 230 BDS 290

Independent Mount
with two plate 14″ clutch
AM 230 BDS 2200



AM 230 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)
0.51						
0.58						
0.67	0.2099 (4.98)	0.660 (15.66)	2.035 (48.29)	2.760 (65.49)	0.885 (21.00)	3.210 (76.17)
0.76	0.1840 (4.37)	0.634 (15.04)	2.009 (47.67)	2.734 (64.88)	0.859 (20.38)	3.184 (75.56)
1.00	0.1191 (2.83)	0.569 (13.50)	1.944 (46.13)	2.669 (63.34)	0.794 (18.84)	3.119 (74.02)
1.31	0.1082 (2.57)	0.558 (13.25)	1.933 (45.88)	2.658 (63.08)	0.783 (18.59)	3.108 (73.76)
1.48	0.1036 (2.46)	0.554 (13.14)	1.929 (45.77)	2.654 (62.97)	0.779 (18.48)	3.104 (73.65)

MODEL	WEIGHT kg (lb)
AM 230 B	94 (207)
AM 230 BD 290	160 (352)
AM 230 BD 2200	227 (499)
AM 230 BD 3300	270 (594)
AM 230 BDS 290	187 (411)
AM 230 BDS 2200	337 (741)

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