

AM 480 PUMP DRIVE

**MAXIMUM INPUT POWER 705 KW (945 HP)
1:1 RATIO @ 1750 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 480 TECHNICAL DATA**

RATIO :1	MAX. INPUT TORQUE	MAX. OUTPUT TORQUE PER PUMP PAD	MAX. INPUT SPEED	MAX. OUTPUT SPEED	OIL QUANTITY	MOMENT OF INERTIA
	N-m (lbf-ft)	N-m (lbf-ft)	RPM	RPM	L (gal)	kg-m ² (lbf-ft ²)
0.72	3839 (2830)	1390 (1025)	1500	2083	7.3 (1.93)	1.4705 (34.90)
0.87	3839 (2830)	1605 (1183)	1650	1897	7.0 (1.85)	1.3524 (32.09)
1.00	3839 (2830)	1695 (1250)	1750	1750	6.9 (1.82)	1.2394 (29.41)
1.15	3839 (2830)	1756 (1295)	1900	1652	6.7 (1.77)	1.1568 (27.45)

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:

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

$$\text{Torque} \times \text{Load Factor} = \text{Application Torque}$$

Use load factor from chart at left

Maximum torque and maximum speed may be limited by clutch option.

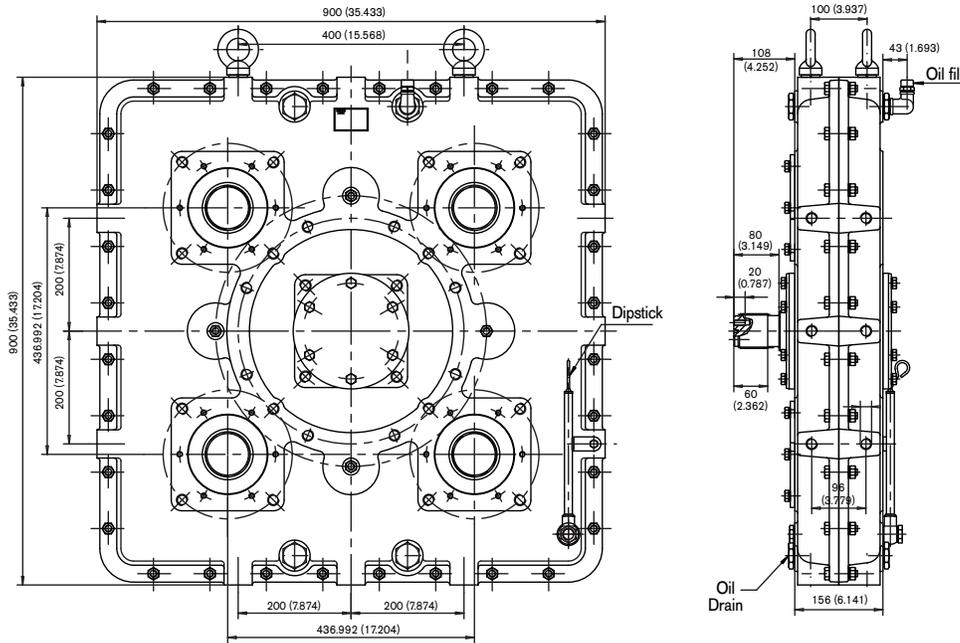
Specifications subject to change without prior notice in the interest of continual product improvement.

Contact your local Twin Disc representative for engineering specifications.



Basic Pump Drive
AM 480 B

Four additional drives available on input side of drive.



MODEL	WEIGHT kg (lb)
Basic Unit	350 (772)
With SAE 1 Housing	395 (871)

INPUT OPTIONS

- SAE 1 housing
- 65 mm cylindrical keyed shaft
- Splined shaft

PUMP ADAPTATIONS

- SAE A, B, C, D and E

Twin Disc, Incorporated reminds users of these products that their safe operation depends on use in compliance with engineering information provided. Users are also reminded that safe operation depends on proper installation, operation and routine maintenance and inspection under prevailing conditions. It is the responsibility of users (and not Twin Disc, Incorporated) to provide and install guards or safety devices which may be required by recognized safety standards or by the Occupational Safety and Health Act of 1970 and its subsequent provisions.

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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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