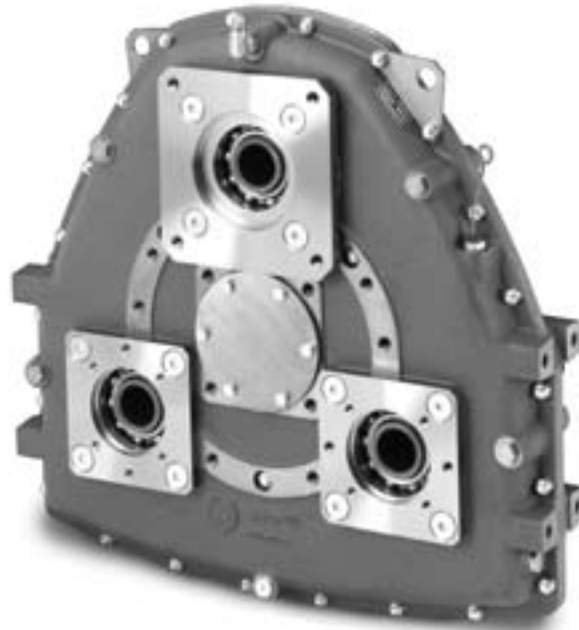


AM 365 PUMP DRIVE

**MAXIMUM INPUT POWER 885 KW (1185 HP)
1:1 RATIO @ 2200 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 365 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)	MOMENT OF INERTIA kg-m ² (lbf-ft ²)
0.69	3839 (2830)	1187 (875)	1800	2609	14.5 (3.83)	0.4391 (10.42)
0.81	3839 (2830)	1356 (1000)	2100	2593	14.5 (3.83)	0.4255 (10.10)
1.00	3839 (2830)	1573 (1160)	2200	2200	14.5 (3.83)	0.3626 (8.60)
1.23	3839 (2830)	1750 (1290)	2400	1951	14.5 (3.83)	0.3428 (8.13)
1.45	3839 (2830)	1777 (1310)	2500	1724	14.5 (3.83)	0.2794 (6.63)

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.

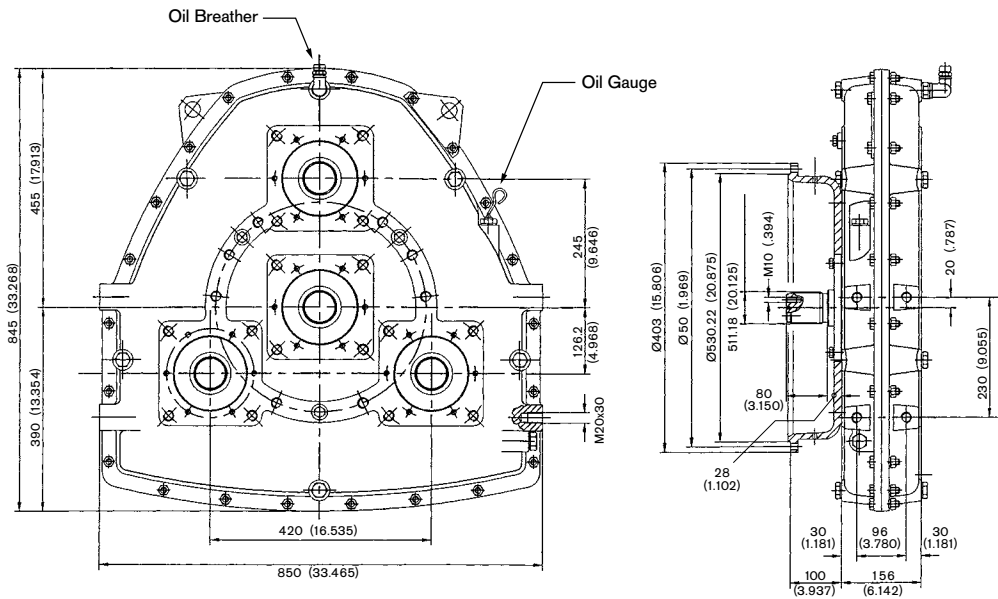
Specifications subject to change without prior notice in the interest of continual product improvement.

Contact your local Twin Disc representative for engineering specifications.



Basic Pump Drive
with SAE 1 Housing
AM 365 B

Three additional drives available
on input side of drive.



MODEL	WEIGHT
	kg (lb)
Basic Unit	215 (474)
With SAE 1 Housing	260 (573)

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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