

**GMCV** : Gear Mounted Clutch  
: Vertical Reduction Gears

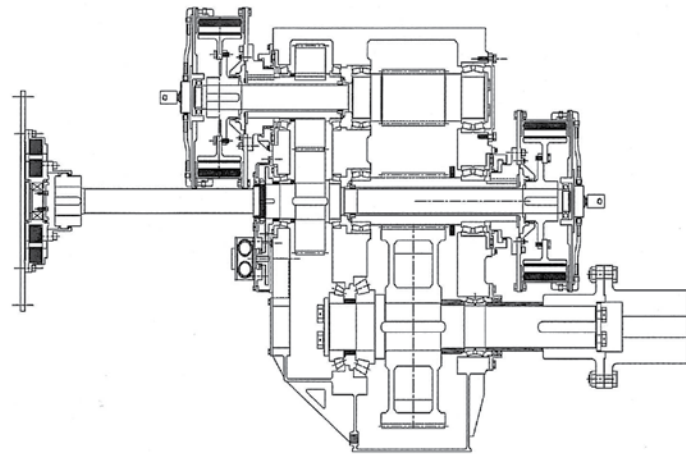
**GMCH** : Gear Mounted Clutch  
: Horizontal Reduction Gears



**GMCV Series**

Gear mounted clutch, reversing gear units with vertical shaft offsets.

Standard horsepower ranges are from 2000 hp to 5000 hp and standard ratios are from 3.0:1 to 6.5:1.



**GMCH Series**

Gear mounted clutch, reversing gear units with horizontal shaft offsets. Standard horsepower ranges are from 2000 hp to 5000 hp and standard ratios are from 3.0:1 to 6.5:1.

**Gear Elements**

This series of gears can use two types of gear elements. (1) The reliable, conservative, and economical through hardened 4340 steel, precision hobbed gear elements or (2) the carburized hardened and precision ground elements with an increase of up to 50% rating in the same gear case.

**Clutches**

The GMC gears use TB (torque bar) type of clutches. The TB clutches have very high torque capacity with relatively small diameter and excellent ease of maintenance.

**Bearings**

All bearings are current production of tapered roller or spherical roller bearings manufactured in the U.S. By leading manufacturers.

**Gear Cases**

Gear cases are fabricated in our Greenville facility by experienced and skilled fabrication engineers. New standard cases as well as special cases can be completed in a few weeks.

**Lube Systems**

Oil pressure flow from precision gear pumps, with dual fine mesh cleanable filter. Suitable coolers of any type are available.

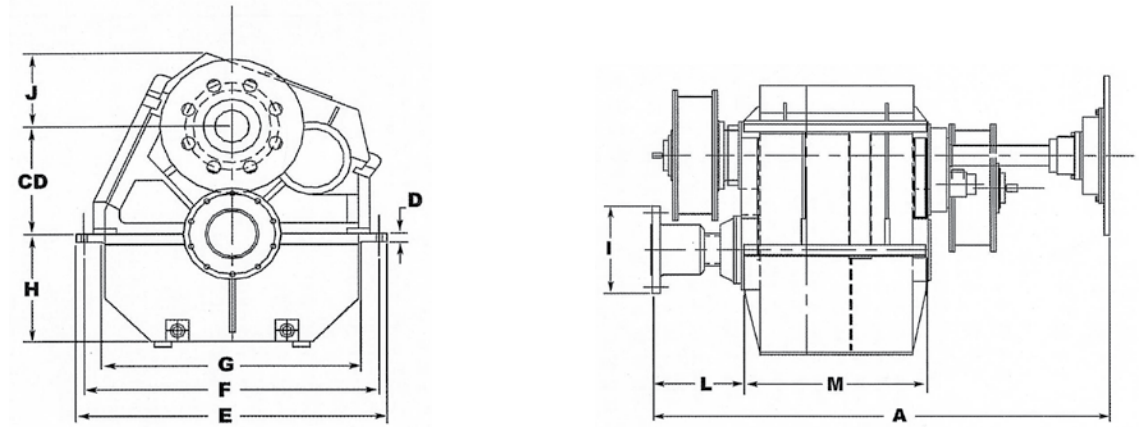
**Controls**

The latest versions of clutch and system controls are available in both electric and pneumatic activation for standard slip or dynamic positioning systems.

**Engineering Assistance**

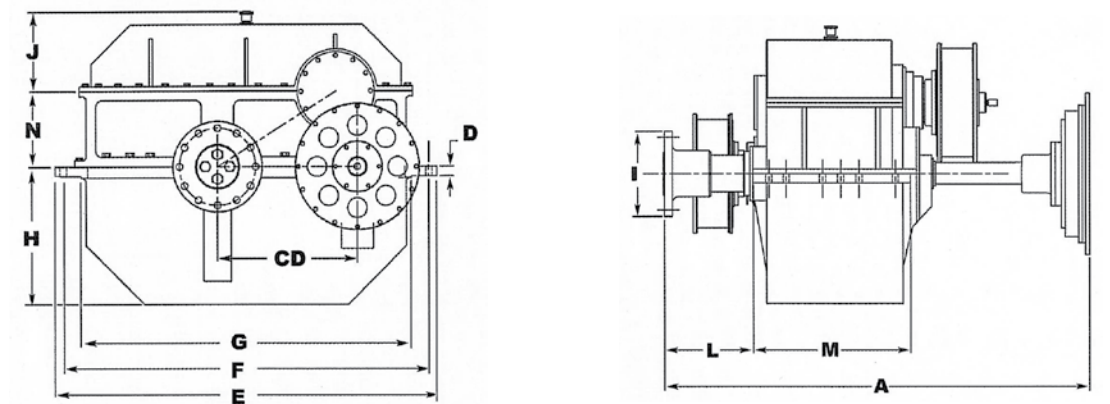
CAD engine and gear installation drawings, lube, and cooling system drawings. Torsional analysis or mass elastic data available. Start up and service engineers available at all times.

Special center distance available upon request. Consult engineering department for installation drawings and/or for selection of torsional vibration damping coupling and clutches



**GMCV**

Model	HP	RPM	Ratio	A	CD	D	E	F	G	H	I	J	L	M
GMCV-2424	1500/2500	750/1200	3.0/4.5:1	122.75	24.00	2.00	66.00	62.00	52.00	24.00	21.00	22.25	22.50	54.00
				3150	610	50	1675	1575	1320	610	535	565	570	1370
GMCV-3028	2150/3100	750/1200	3.0/5.0:1	130.00	30.00	2.50	78.00	73.00	60.00	30.50	26.00	22.25	26.00	54.00
				3302	760	65	1980	1855	1525	775	660	565	660	1370
GMCV-3228	2500/3600	750/1200	3.0/5.5:1	143.38	31.50	2.50	80.00	74.00	63.00	32.00	26.00	24.00	32.00	58.00
				3642	800	65	2032	1880	1600	812	660	610	813	1473
GMCV-3628	2850/4200	750/1200	3.0/6.0:1	145.00	36.00	2.50	88.00	82.00	76.00	36.00	28.00	26.00	34.00	68.00
				2860	915	65	2235	2080	1930	915	711	660	864	1730
GMCV-4232	3500/5000	750/1200	3.0/6.5:1	150.00	42.00	2.25	106.00	102.00	82.00	46.00	30.00	26.00	36.00	70.00
				3810	1067	57	2692	2591	2083	1168	762	660	914	1181



**GMCH**

Model	HP	RPM	Ratio	A	CD	D	E	F	G	H	I	J	L	M	N
GMCH-2424	1500/2500	750/1200	3.0/4.5:1	122.25	24.00	2.00	74.00	68.00	76.00	26.00	23.50	18.00	21.50	40.00	18.75
				2850	610	51	1880	1727	1930	660	697	457	552	1015	476
GMCH-3028	2150/3100	750/1200	3.0/5.0:1	112.25	30.00	2.50	94.00	88.00	79.00	30.75	24.00	18.00	14.75	40.00	22.00
				2850	760	65	2390	2235	2005	780	610	457	375	1015	560
GMCH-3228	2500/3600	750/1200	3.0/5.5:1	128.00	32.00	2.50	102.00	98.00	84.00	32.50	26.75	20.00	22.75	42.00	24.00
				3251	813	65	2591	2489	2134	826	680	508	578	1067	610
GMCH-3628	2850/4200	750/1200	3.0/6.0:1	132.00	36.00	2.50	104.00	103.00	92.00	38.75	42.50	22.00	23.00	45.00	28.00
				3353	914	65	2642	2616	2337	984	1080	559	585	1143	711
GMCH-4232	3500/5000	750/1200	3.0/6.5:1	135.00	42.00	3.00	115.00	109.00	102.00	41.00	78.00	24.00	23.00	52.00	32.00
				3440	1067	75	2920	2770	2590	1040	1980	610	585	1320	813