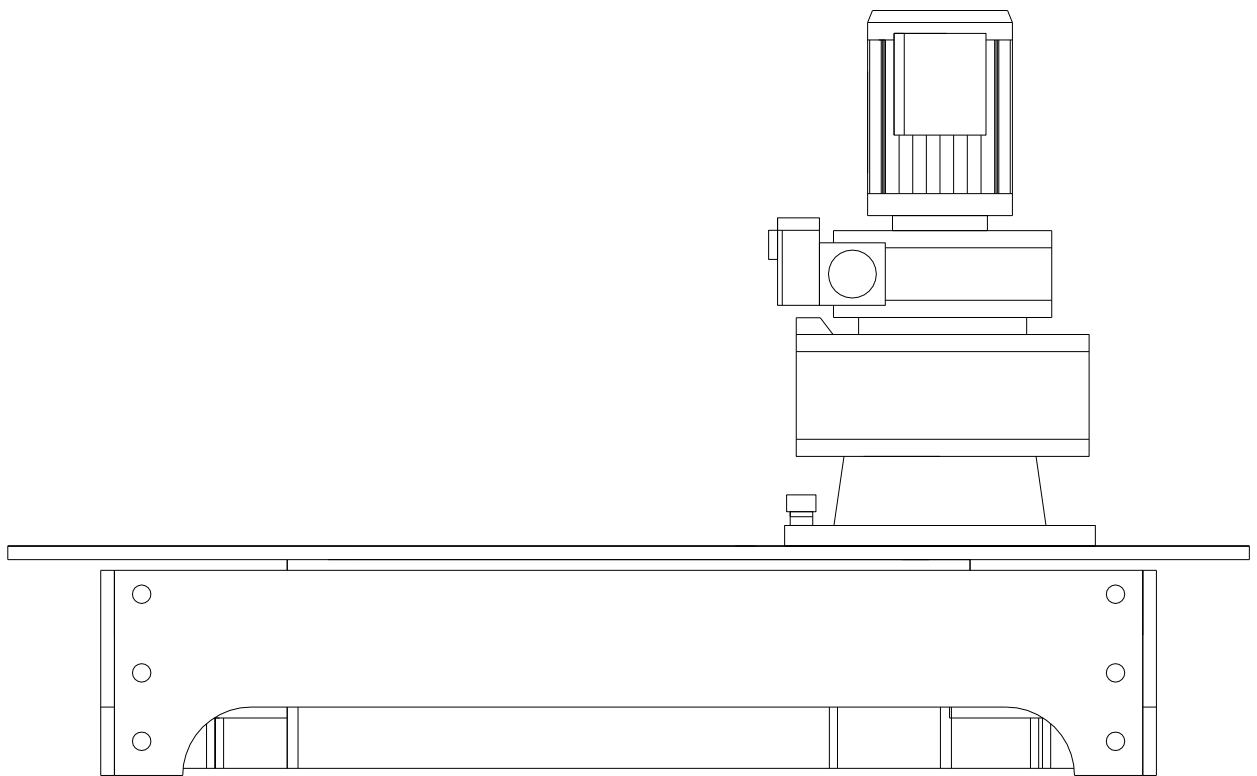


CH - SMT

CENTER DRIVES



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Introduction

The CH-SMT Center Drive has been designed for economical and reliable operation in water and wastewater treatment for clarifier application. They can be used independently of tank sizes from tank diameter of 3 meters to 50 meters.

The masterpiece design of rugged and rigid rack coupling system with tight fit installation and support bearings generate highly efficient transmission of torque. In turn, the drive unit is optimized for ultimate performance.

Characterized by highly efficient low speed clarifier drive and wide range of applications, this development of CH-SMT Center Drive is said a newly robust design with little maintenance and long operating life.

Optimizing Unique Design

CH-SMT Center Drive relied on the well-established design of clarifier drive for clarifier application. A remarkable design combined with rugged and rigid rack coupling system guarantee most favorable torque transmission and efficiency. Hence, torque transmission losses can be minimized effectively.

The well-designed rack coupling system is a major technical innovation in the development of easy assembles and disbands system. The rugged and rigid design of this rack coupling system with tight fit installation and support bearings provides longer operating life and smooth transmission of torque for the best overall performance.

Advantages

- Economical and reliable operation in water and wastewater treatment for clarifier application
- Rugged and rigid rack coupling system with tight fit installation and support bearings
- Drive unit is optimized for ultimate performance
- Highly efficient low speed clarifier drive and wide range of applications
- Robust compact design
- Little maintenance
- Long operating life

CH-SMT CENTER DRIVES

MODEL: CH-SMT-X

0.75 KW

50 Hz

4P

1500 r/min

Output Speed, rpm	Max. Present Torque		Capacity code	-	Auxiliary Item	-	Reduction Ratio	Drawing No.
	N.m	kgf.m						
0.068	39,400	4,016	1	-	T	-	22059	A-1
0.049	38,300	3,904	1	-	T	-	30612	A-1
0.027	47,800	4,873	1	-	T	-	55556	A-1
0.015	55,800	5,688	1	-	T	-	100000	A-1

1.5 KW

50 Hz

4P

1500 r/min

Output Speed, rpm	Max. Present Torque		Capacity code	-	Auxiliary Item	-	Reduction Ratio	Drawing No.
	N.m	kgf.m						
0.033	67,800	6,911	1	-	T	-	45455	A-1
0.027	90,000	9,174	1	-	T	-	55556	A-1
0.018	123,000	12,538	1	-	T	-	83333	A-1
0.015	154,800	15,780	1	-	T	-	100000	A-1

2.2 KW

50 Hz

4P

1500 r/min

Output Speed, rpm	Max. Present Torque		Capacity code	-	Auxiliary Item	-	Reduction Ratio	Drawing No.
	N.m	kgf.m						
0.033	135,600	13,823	1	-	T	-	45455	A-1
0.027	195,000	19,878	1	-	T	-	55556	A-1
0.018	276,000	28,135	1	-	T	-	83333	A-1
0.012	409,200	41,713	1	-	T	-	125000	A-1

3.7 KW

50 Hz

4P

1500 r/min

Output Speed, rpm	Max. Present Torque		Capacity code	-	Auxiliary Item	-	Reduction Ratio	Drawing No.
	N.m	kgf.m						
0.04	186,000	18,960	1	-	T	-	37500	A-1
0.027	276,000	28,135	1	-	T	-	55556	A-1
0.015	409,200	41,713	1	-	T	-	100000	A-1