

FLEXIDYNE

SPECIFICATION

FLEXIDYNE is available in three designs: Drives, Couplings, and C-Flex Modules to meet most system needs. The Drive style is designed to mount directly on the motor shaft to provide an extremely compact unit for belted service. The Coupling style provides a versatile solution for transmitting torque between in-line shafts. The C-Flex Module style provides all of the benefits of regular FLEXIDYNE in a compact package that readily mounts between C-Face motors and reducers.

HOW TO ORDER

DRIVE STYLE

Specify mechanism size and bore size. Select a sheave from the selection tables found in the Modifications/Accessories section. Refer to the part number when ordering.

COUPLING STYLE

On size 5C - specify bore size. A complete coupling consists of (1) output hub and (1) mechanism.

On larger sizes - specify coupling size, and bore size. A complete coupling consists of (1) mechanism, including flexible disc, (1) Poly-Disc flange, and (2) bushings.

Type PH Couplings - specify coupling size, bore size of the driven end and the motor end. A complete coupling consists of (1) mechanism, (1) Taper-Lock or Bored-To-Size flange assembly, and (1) element.

Refer to the part numbers when ordering.

C-FLEX MODULE STYLE

Specify the C-Flex unit size and the FLEXIDYNE mechanism. Refer to the part numbers when ordering.

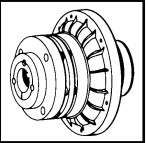
FLOW CHARGE

Determine the amount of flow charge required by referring to the Flow Charge tables in the Modifications/Accessories section. Choose between cast steel and stainless. Refer to the part number when ordering.

NOMENCLATURE

	<u>55</u>	<u>D</u>	x	<u>3/8"</u>
SIZE _____				
STYLE _____				
D - Drive				
C - Coupling				
CF - C-Flex				
BORE SIZE _____				

SELECTION



FLEXIDYNE SIMPLIFIED SELECTION PROCEDURE

The tables on pages PT3-6-PT3-7 give FLEXIDYNE mechanism size and amount of flow charge to provide starting capacities from 100-200% of motor nameplate HP of a NEMA Design B squirrel cage induction motor. This starting capacity is satisfactory for most ordinary industrial applications.

The FLEXIDYNE unit sizes shown in the simplified selection tables suggest the most economical FLEXIDYNE mechanism for a given RPM and HP. In some cases, under the same conditions, there may be other sizes of FLEXIDYNE which may be utilized.

STEP 1

Determine the approximate starting torque percentage for the application. As a guide, suggested percentages are listed in the table below.

STEP 2

Determine motor speed and HP to be used. Refer to tables on pages PT3-6-PT3-7 based on 1760, 1175, or 875 RPM NEMA Design B motors.

STEP 3

Check maximum bore from Selection/Dimensions pages.

STEP 4

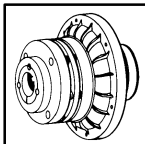
Consider overload protection. If there is any chance of excessive slippage of the FLEXIDYNE mechanism and consequent overheating due to unattended overload or abnormal starting conditions, select an overload protection device from the Modifications/Accessories pages. Refer to Thermal Capacity Charts in Engineering/Technical section.

FLEXIDYNE MECHANISM STARTING TORQUE

Application	Range	Application	Range	Application	Range
Air Conditioning	130-175%	Cranes (Bridge Draw)	150-200%	Mixers	130-150%
Agitators	130-175%	Crushers	150-200%	Oven Drivers	150-175%
Belt Conveyors	130-150%	Dryers	130-175%	Paper Mills	
Blenders	130-175%	Fans	150-175%	Agitator	130-175%
Blowers	150-175%	Lumber Chippers	150-200%	Hydropulper	130-175%
Bucket Elevators	130-175%	Sawdust Conv.	130-175%	Chipper	150-200%
Can Filling Machine	125-150%	Matl. Handling Equip.	130-150%	Drier	130-150%
Compressors	150-175%	Mills (Ball, Pebble)	150-175%	Pumps	125-150%

NOTE: Note: Since FLEXIDYNE Drives and Couplings are selected primarily as torque limiting devices by using the starting torque percentages shown above, the use of a service factor is not necessary.

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FLEXIDYNE OTHER APPLICATIONS

The information on the previous page provides a simple method of selecting the FLEXIDYNE mechanism size when used with NEMA Design B motors under general operating conditions. Selection for any other application is based on the specific conditions and requirements of the installation. The power transmitting characteristics of the FLEXIDYNE unit vary with input speed and amount of flow charge used. A FLEXIDYNE unit can be adapted to the specific conditions and requirements of the individual application by using the proper amount of flow charge. **FLEXIDYNE units are not recommended for variable speed applications, engines or speeds below 700 RPM.**

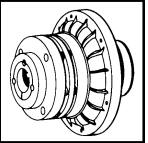
DODGE engineers welcome inquiries on FLEXIDYNE mechanism selection for applications not previously covered. It is suggested that their experience be called upon to recommend the best installation.

Please provide the following information with your request:

- Type, HP, RPM, shaft size of motor
- Type, RPM, shaft size of driven machine
- Frequency of starts, reversals, and overloads
- Time required to accelerate
- For high inertia loads, WR^2
- Starting HP and Overload Breakaway HP desired
- Functions the FLEXIDYNE unit must perform

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SELECTION



FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE (BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS) 1760 RPM

Rated Motor HP	FLEXIDYNE Mech. Size	100% @ 1760 RPM			125% @ 1750 RPM			150% @ 1740 RPM			175% @ 1700 RPM			200% @ 1650 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	5D, 5C	.5	0	8	.62	0	9	.75	0	9.5	.85	0	10	.94	0	10.5
3/4	5D, 5C	.75	0	9	.94	0	10.5	1.1	0	11	1.3	0	11.5	1.4	*	*
1	55D, 55C	1.0	0	9	1.2	0	10	1.5	0	11	1.7	0	12	1.9	0	13
1 1/2	55D, 55C	1.5	0	10	1.9	0	12	2.2	0	13.5	2.5	0	14	2.8	0	16
2	55D, 55C	2.0	0	12	2.5	0	13.5	3.0	0	15	3.4	0	17	3.8	0	18
3	70D, 70C	3.0	1	11	3.7	1	13	4.5	1	14	5.1	2	0	5.7	2	2
5	70D, 70C	5.0	1	14	6.2	2	1	7.5	2	4	8.5	2	8	9.4	2	10
7 1/2	75D, 75C	7.5	1	11	9.4	1	14	11.2	2	1	12.7	2	4	14.1	2	9
10	75D, 75C	10	1	15	12.5	2	3	14.9	2	6	17.0	2	9	18.8	2	12
15	9D, 9C	15	2	9	18.8	3	0	22.3	3	7	25.5	3	13	28.3	4	2
20	9D, 9C	20	3	2	25	3	10	30	4	0	34	4	8	38	5	3
25	11D, 11C	25	4	3	31	4	12	37	5	0	42	5	8	47	6	2
30	11D, 11C	30	4	10	37	5	0	45	5	12	51	6	3	57	6	12
40	11D, 11C	40	5	5	50	6	0	60	6	8	68	7	3	75	8	0
50	11D, 11C	50	5	13	62	6	10	74	7	6	85	8	2	94	8	11
60	15D, 15116	60	7	3	75	8	3	89	9	1	102	10	1	113	10	14
75	15D, 15116	75	8	3	94	9	3	111	10	3	127	11	0	141	12	0
100	15D, 15116	100	9	7	125	10	10	149	11	9	170	12	8	188	13	5
125	D15131▲	125	7	3	156	8	6	186	9	4	212	10	4	236	11	1
150	D15131▲	150	8	3	187	9	3	224	10	3	255	11	1	283	12	1

1175 RPM

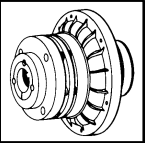
Rated Motor HP	FLEXIDYNE Mech. Size	100% @ 1175 RPM			125% @ 1160 RPM			150% @ 1150 RPM			175% @ 1130 RPM			200% @ 1100 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/4	5D, 5C	.25	0	8.5	...	...	...	.46	0	10.5	...	...	...	...	...	...
1/2	55D, 55C	.5	0	11	.62	0	12	.75	0	13	.85	0	15	.94	0	16
3/4	55D, 55C	.75	0	12	.94	0	15	1.1	0	16	1.3	0	17	1.4	0	18
1	70D, 70C	1.0	1	10	1.2	1	12	1.5	1	14	1.7	2	1	1.9	2	4
1 1/2	70D, 70C	1.5	1	13	1.9	2	1	2.2	2	3	2.5	2	6	2.8	2	9
2	75D, 75C	2.0	1	10	2.5	1	13	3.0	2	0	3.4	2	2	3.8	2	6
3	75D, 75C	3.0	1	15	3.7	2	3	4.5	2	7	5.1	2	10	5.7	2	12
5	9D, 9C	5.0	2	4	6.2	2	11	7.4	3	1	8.5	3	8	9.4	3	12
7 1/2	9D, 9C	7.5	3	0	9.3	3	9	11.1	3	14	12.7	4	4	14.1	4	12
10	11D, 11C	10	5	0	12.4	5	5	14.8	5	10	17	6	3	19	7	0
15	11D, 11C	15	5	14	18	6	5	22	7	0	25	7	14	28	9	0
20	11D, 11C	20	6	8	25	7	14	30	8	4	34	8	13	38	9	10
25	15D, 15116	25	8	8	31	9	13	37	10	12	42	11	13	47	12	10
30	15D, 15116	30	9	7	37	10	10	44	11	11	51	12	9	57	13	8
40	15D, 15116	40	10	14	50	12	14	59	13	0	68	14	0	75	15	3
50	15D D15116▲ 18D	50 ...	12 8	0 8	62 ...	13 9	1 13	74 ...	14 10	2 12	85 ...	15 11	8 8	94 94	12 15	0 11
60	15D D15116▲ 18D	60 ...	12 9	11 7	75 ...	14 10	1 10	89 ...	15 11	6 11	...	...	...	...	...	...
75	15D D15116▲ 18D	75 ...	13 10	14 9	93 ...	15 11	8 13	...	...	...	...	...	...	...	...	...
100	18D, 18172	100	15	12	124	18	7	148	20	9	170	22	13	189	24	13
125	18D, 18172	125	18	7	155	21	1	185	23	3	212	25	3	236	27	3
150	18D, 18172	150	20	5	186	22	15	222	25	0	254	27	0	283	29	4
200	D18172▲	200	15	12	249	18	10	285	20	5	340	22	13	377	24	13
250	D18172▲	250	18	9	312	21	0	370	23	2	424	25	3	470	27	0

* Use a Size 55 FLEXIDYNE unit. Fill with 11 oz. of Flow Charge for 1.5 Starting HP

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix "D", the amount listed is required for **each** cavity.

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SELECTION



FLEXIDYNE

SELECTION OF FLEXIDYNE MECHANISM SIZE

(BASED ON % OF STARTING TORQUE FOR NEMA DESIGN B MOTORS)

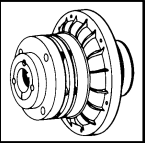
875 RPM

Rated Motor HP	FLEXIDYNE Mech. Size	100% @ 875 RPM			125% @ 870 RPM			150% @ 850 RPM			175% @ 840 RPM			200% @ 820 RPM		
		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge		Start-ing HP	Flow Charge	
			Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.		Lbs.	Oz.
1/2	70D, 70C	.5	1	12	.62	1	15	.75	2	1	.85	2	4	.94	2	6
3/4	70D, 70C	.75	2	0	.94	2	3	1.1	2	6	1.3	2	8	1.4	2	12
1	75D, 75C	1.0	1	13	1.2	2	0	1.5	2	3	1.7	2	7	1.9	2	8
1 1/2	75D, 75C	1.5	2	2	1.9	2	7	2.2	2	10	2.5	2	11	2.8	2	12
2	9D, 9C	2.0	2	6	2.5	2	12	2.9	3	0	3.4	3	8	3.7	3	12
3	9D, 9C	3.0	3	0	3.7	3	8	4.4	4	0	5.0	4	6	5.6	4	14
5	11D, 11C	5.0	5	6	6.2	5	14	7.3	6	10	8.4	7	0	9.4	7	8
7 1/2	11D, 11C	7.5	6	8	9.3	7	2	10.9	8	0	12.6	8	8	14.0	9	5
10	15D, 15116	10	8	6	12.4	9	8	14.6	10	9	16.8	11	7	18.7	12	5
15	15D, 15116	15	10	5	19	11	7	22	12	8	25	13	5	28	14	6
20	15D, 15116	20	11	12	25	12	13	29	13	14	34	15	1	38	15	8
25	D15116	25	9	7	31	10	9	36	11	11	42	12	8	47	13	5
30	D15116	30	10	5	37	11	7	44	12	8	50	13	5	56	14	6
40	18D, 18172	40	15	3	50	18	0	58	20	6	67	22	8	75	24	7
50	18D, 18172	50	17	14	62	20	4	73	22	14	84	24	14	94	26	14
60	18D, 18172	60	19	13	75	22	6	87	24	15	101	26	1	112	28	12
75	D18172▲	75	14	8	93	17	2	109	19	11	126	21	13	141	23	12
100	D18172▲	100	17	14	124	20	4	146	22	14	168	24	14	187	26	14
125	D18172▲	125	20	2	155	22	13	182	25	7	210	27	4	234	29	4

▲ Flow charge is listed for one cavity. For duplex (double cavity) units, numbered with prefix "D", the amount listed is required for **each** cavity.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 5D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1750 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Sheave		Quan. & Belt Size ◆	Driven RPM	V-Belt Drive Ratio	Sheave		Quan. & Belt Size ◆
		Driver ▲	Driven *				Driver ▲	Driven *	
2250	1.29	3.6	AK30H	1-4L	1122	1.56	3.6	5.6	**
2122	1.22	3.4	AK30H	1-4L	1117	1.57	3.0	AK51H	1-4L
2100	1.20	3.6	AK32H	1-4L	1105	1.58	3.6	AK61H	1-4L
1970	1.13	3.6	AK34H	1-4L	1048	1.67	3.0	AK54H	1-4L
1970	1.13	3.4	AK32H	1-4L	1012	1.73	3.0	AK56H	1-4L
1875	1.07	3.0	AK30H	1-4L	1008	1.74	3.4	BK65H	1-5L
1850	1.06	3.6	3.4	**	983	1.78	3.6	6.4	**
1850	1.06	3.4	AK34H	1-4L	955	1.83	3.0	AK59H	1-4L
1750	1.00	3.0	AK32H	1-4L	936	1.87	3.0	5.6	**
1707	1.03	4.0	BK47H	1-5L	930	1.88	3.4	BK70H	1-5L
1703	1.03	3.6	AK41H	1-4L	921	1.90	3.0	AK61H	1-4L
1651	1.06	3.6	3.8	**	900	1.94	3.6	AK74H	1-4L
1651	1.06	3.4	BK40H	1-5L	875	2.00	3.0	AK64H	1-4L
1640	1.07	3.0	AK34H	1-4L	833	2.10	4.0	BK90H	1-5L
1577	1.11	3.6	AK44H	1-4L	804	2.18	3.4	BK80H	1-5L
1572	1.11	4.0	BK50H	1-5L	788	2.22	3.6	AK84H	1-4L
1615	1.08	3.6	BK45H	1-5L	768	2.28	3.6	8.2	**
1544	1.13	3.0	3.4	**	751	2.33	3.0	AK74H	1-4L
1525	1.15	3.4	BK45H	1-5L	708	2.47	3.4	BK90H	1-5L
1496	1.17	3.6	AK46H	1-4L	700	2.50	3.6	AK94H	1-4L
1522	1.15	4.0	BK52H	1-5L	673	2.60	4.0	BK110H	1-5L
1458	1.20	3.0	3.6	**	656	2.67	3.0	AK84H	1-4L
1451	1.21	3.4	BK47H	1-5L	641	2.73	3.0	8.2	**
1429	1.23	4.0	BK55H	1-5L	630	2.78	3.6	AK104H	1-4L
1400	1.25	3.6	AK49H	1-4L	614	2.85	4.0	BK120H	1-5L
1423	1.23	3.0	AK41H	1-4L	595	2.94	3.6	10.6	**
1378	1.27	3.0	3.8	**	583	3.00	3.0	AK94H	1-4L
1376	1.28	3.6	4.6	**	572	3.06	3.4	BK110H	1-5L
1372	1.28	4.0	BK57H	1-5L	525	3.33	3.0	AK104H	1-4L
1316	1.33	3.6	4.8	**	496	3.53	3.0	10.6	**
1340	1.31	3.6	AK51H	1-4L	455	3.85	4.0	BK160H	1-5L
1313	1.33	3.0	AK44H	1-4L	450	3.89	3.6	AK144H	1-4L
1296	1.35	4.0	BK60H	1-5L	444	3.94	3.4	BK140H	1-5L
1293	1.35	3.4	BK52H	1-5L	438	4.00	3.0	AK124H	1-4L
1259	1.39	3.6	AK54H	1-4L	420	4.17	3.6	AK154H	1-4L
1250	1.40	3.0	AK46H	1-4L	386	4.53	3.4	BK160H	1-5L
1215	1.44	3.6	AK56H	1-4L	375	4.67	3.0	AK144H	1-4L
1214	1.44	3.4	BK55H	1-5L	350	5.00	3.0	AK154H	1-4L
1186	1.48	4.0	BK65H	1-5L	323	5.41	3.4	BK190H	1-5L
1167	1.50	3.0	AK49H	1-4L	292	6.00	3.0	AK184H	1-4L
1167	1.50	3.4	BK57H	1-5L					
1145	1.58	3.6	AK59H	1-4L					

** Use one belt, either A or 4L.

▲ Pitch diameter of integral sheaves supplied with stock 5D-FLEXIDYNE.

◆ "A" Belts may be used in place of 4L belts on 3.0 P.D. sheaves or larger.

"AX" Belts may be used in place of 4L belts on 2.2 P.D. sheaves or larger.

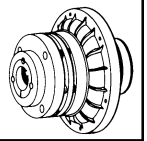
"B" Belts are not recommended in place of 5L belts.

"BX" Belts may be used in place of 5L belts on 4.0 P.D. sheaves or larger.

* All Sheaves are DODGE stock sheaves. Size numbers are shown for FHP 4L and 5L sheaves; datum diameters for Dual Duty sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 55D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	3.6	3.6	1-A	1160	1.00	3.0	3.0	1-A
1750	1.00	3.35	3.35	1-3V	1160	1.00	3.35	3.35	1-3V
1670	1.05	4.2	4.4	1-A	1112	1.04	4.6	4.8	1-B
1657	1.06	4.5	4.75	1-3V	1098	1.06	4.5	4.75	1-3V
1598	1.10	4.2	4.6	1-A	1059	1.10	4.2	4.6	1-A
1573	1.11	4.5	5.0	1-3V	1061	1.09	4.12	4.5	1-3V
1522	1.15	4.0	4.6	1-A	1036	1.12	5.0	5.6	1-B
1515	1.15	4.12	4.75	1-3V	1026	1.13	3.65	4.12	1-3V
1483	1.18	4.5	5.3	1-3V	1005	1.15	4.12	4.75	1-3V
1470	1.19	4.2	5.0	1-A	1002	1.16	3.8	4.4	1-A
1439	1.22	4.12	5.0	1-3V	958	1.21	3.8	4.6	1-A
1411	1.24	5.0	6.2	1-B	954	1.22	4.12	5.0	1-3V
1403	1.25	4.5	5.6	1-3V	928	1.25	3.2	4.0	1-A
1357	1.29	4.12	5.3	1-3V	930	1.25	4.5	5.6	1-3V
1342	1.30	4.6	6.0	1-B	899	1.29	4.12	5.3	1-3V
1309	1.34	4.5	6.0	1-3V	892	1.30	4.0	5.2	1-A
1298	1.35	4.6	6.2	1-B	868	1.34	4.5	6.0	1-3V
1273	1.37	3.65	5.0	1-3V	859	1.35	4.0	5.4	1-A
1250	1.40	4.0	5.6	1-A	844	1.37	3.65	5.0	1-3V
1229	1.42	3.35	4.75	1-3V	840	1.38	4.2	5.8	1-A
1207	1.45	4.0	5.8	1-A	816	1.42	3.8	5.4	1-A
1197	1.46	4.12	6.0	1-3V	814	1.42	3.35	4.75	1-3V
1182	1.48	5.0	7.4	1-B	800	1.45	4.5	6.5	1-3V
1167	1.50	3.35	5.0	1-3V	791	1.47	3.0	4.4	1-A
1135	1.54	3.65	5.6	1-3V	773	1.50	3.2	4.8	1-A
1129	1.55	4.0	6.2	1-A	773	1.50	3.35	5.0	1-3V
1100	1.59	3.35	5.3	1-3V	757	1.53	3.0	4.6	1-A
1094	1.60	4.0	6.4	1-A	754	1.54	4.5	6.9	1-3V
1073	1.63	3.8	6.2	1-A	746	1.56	3.6	5.6	1-A
1059	1.65	3.65	6.0	1-3V	730	1.59	3.4	5.4	1-A
1041	1.68	3.35	5.6	1-3V	729	1.59	3.35	5.3	1-3V
1026	1.71	3.4	5.8	1-A	711	1.63	3.8	6.2	1-A
1000	1.75	4.0	7.0	1-A	702	1.65	3.65	6.0	1-3V
980	1.79	4.5	8.0	1-3V	696	1.67	3.0	5.0	1-A
960	1.82	3.4	6.2	1-A	690	1.68	3.35	5.6	1-3V
936	1.87	4.6	8.6	1-B	680	1.71	3.4	5.8	1-A
920	1.90	3.65	6.9	1-3V	649	1.79	4.5	8.0	1-3V
900	1.94	3.6	7.0	1-A	644	1.80	3.0	5.4	1-A
895	1.95	3.35	6.5	1-3V	616	1.88	3.4	6.4	1-A
850	2.06	3.4	7.0	1-A	610	1.90	3.65	6.9	1-3V
843	2.08	3.35	6.9	1-3V	593	1.95	3.35	6.5	1-3V
795	2.20	5.0	11.0	1-B	580	2.00	3.0	6.0	1-A
792	2.21	3.65	8.0	1-3V	559	2.08	3.35	6.9	1-3V
759	2.30	4.6	10.6	1-A	544	2.13	3.0	6.4	1-A
726	2.41	3.4	8.2	1-A	527	2.20	5.0	11.0	1-B
726	2.41	3.35	8.0	1-3V	525	2.21	3.65	8.0	1-3V
693	2.52	4.2	10.6	1-A	503	2.30	4.6	10.6	1-A
675	2.59	4.12	10.6	1-3V	489	2.37	4.5	10.6	1-3V
671	2.61	4.6	12.0	1-A	481	2.41	3.4	8.2	1-A
627	2.79	3.8	10.6	1-A	482	2.41	3.35	8.0	1-3V
597	2.93	3.65	10.6	1-3V	448	2.59	4.12	10.6	1-3V
583	3.00	4.0	12.0	1-A	445	2.61	4.6	12.0	1-A
558	3.13	4.5	14.0	1-3V	406	2.86	4.2	12.0	1-A
537	3.26	4.6	15.0	1-A	396	2.93	3.65	10.6	1-3V
511	3.43	4.12	14.0	1-3V	372	3.12	3.4	10.6	1-A
496	3.53	3.4	12.0	1-A	370	3.13	4.5	14.0	1-3V
476	3.68	5.0	18.4	1-B	346	3.35	4.6	15.4	1-B
452	3.87	3.65	14.0	1-3V	338	3.43	4.12	14.0	1-3V
443	3.95	3.8	15.0	1-A	309	3.75	3.2	12.0	1-A
420	4.17	3.6	15.0	1-A	299	3.87	3.65	14.0	1-3V
411	4.26	4.5	19.0	1-3V	278	4.17	3.6	15.0	1-A
397	4.41	3.4	15.0	1-A	274	4.23	3.35	14.0	1-3V
376	4.66	4.12	19.0	1-3V	258	4.50	4.0	18.0	1-A
369	4.74	3.8	18.0	1-A	249	4.66	4.12	19.0	1-3V
350	5.00	3.6	18.0	1-A	219	5.29	3.4	18.0	1-A
331	5.29	3.4	18.0	1-A	220	5.26	3.65	19.0	1-3V
332	5.26	3.65	19.0	1-3V	202	5.74	3.35	19.0	1-3V
305	5.74	3.35	19.0	1-3V	193	6.00	3.0	18.0	1-A

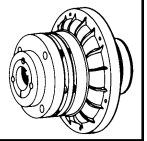
* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V Sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 70D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	5.6	5.6	1-B	1160	1.00	4.8	4.8	1-A
1694	1.03	6.0	6.2	1-B	1123	1.03	6.0	6.2	1-B
1690	1.04	5.6	5.8	1-B	1119	1.04	5.4	5.6	1-B
1641	1.07	6.0	6.4	1-B	1094	1.06	5.0	5.3	1-3V
1633	1.07	5.6	6.0	1-B	1083	1.07	5.6	6.0	1-B
1632	1.07	5.6	6.0	1-3V	1082	1.07	5.6	6.0	1-3V
1614	1.08	6.0	6.5	1-3V	1070	1.08	6.0	6.5	1-3V
1591	1.10	6.0	6.6	1-B	1055	1.10	6.0	6.6	1-B
1581	1.11	5.6	6.2	1-B	1040	1.12	5.2	5.8	1-B
1575	1.11	5.4	6.0	1-B	1035	1.12	5.0	5.6	1-3V
1544	1.13	6.0	6.8	1-B	1015	1.14	5.6	6.4	1-B
1531	1.14	5.6	6.4	1-B	1008	1.15	6.0	6.9	1-3V
1524	1.15	5.4	6.2	1-B	998	1.16	5.6	6.5	1-3V
1520	1.15	6.0	6.9	1-3V	994	1.17	4.8	5.6	1-A
1506	1.16	5.6	6.5	1-3V	967	1.20	5.0	6.0	1-A
1485	1.18	5.6	6.6	1-B	965	1.20	5.0	6.0	1-3V
1477	1.19	5.4	6.4	1-B	949	1.22	5.4	6.6	1-B
1441	1.21	5.6	6.8	1-B	940	1.23	5.6	6.9	1-3V
1432	1.22	5.4	6.6	1-B	928	1.25	4.8	6.0	1-A
1419	1.23	6.0	7.4	1-B	914	1.27	5.2	6.6	1-B
1418	1.23	5.6	6.9	1-3V	898	1.29	4.8	6.2	1-A
1390	1.26	5.4	6.8	1-B	890	1.30	5.0	6.5	1-3V
1324	1.32	5.6	7.4	1-B	878	1.32	5.6	7.4	1-B
1310	1.34	6.0	8.0	1-3V	868	1.34	6.0	8.0	1-3V
1265	1.38	5.0	6.9	1-3V	862	1.35	5.2	7.0	1-A
1221	1.43	6.0	8.6	1-B	846	1.37	5.4	7.4	1-B
1222	1.43	5.6	8.0	1-3V	838	1.38	5.0	6.9	1-3V
1140	1.54	5.6	8.6	1-B	829	1.40	5.0	7.0	1-A
1117	1.57	6.0	9.4	1-B	809	1.43	6.0	8.6	1-B
1099	1.59	5.4	8.6	1-B	810	1.43	5.6	8.0	1-3V
1090	1.61	5.0	8.0	1-3V	792	1.46	5.6	8.2	1-A
1058	1.65	5.2	8.6	1-B	755	1.54	5.6	8.6	1-B
1043	1.68	5.6	9.4	1-B	740	1.57	6.0	9.4	1-B
1005	1.74	5.4	9.4	1-B	722	1.61	5.6	9.0	1-A
987	1.77	6.0	10.6	1-3V	722	1.61	5.0	8.0	1-3V
968	1.81	5.2	9.4	1-B	701	1.65	5.2	8.6	1-B
955	1.83	6.0	11.0	1-B	679	1.71	4.8	8.2	1-A
921	1.90	5.6	10.6	1-3V	666	1.74	5.4	9.4	1-B
891	1.96	5.6	11.0	1-B	654	1.77	6.0	10.6	1-3V
859	2.04	5.4	11.0	1-B	644	1.80	5.0	9.0	1-A
847	2.07	6.0	12.4	1-B	613	1.89	5.6	10.6	1-A
827	2.12	5.2	11.0	1-B	610	1.90	5.6	10.6	1-3V
821	2.13	5.0	10.6	1-3V	591	1.96	5.6	11.0	1-B
790	2.21	5.6	12.4	1-B	569	2.04	5.4	11.0	1-B
762	2.30	5.4	12.4	1-B	548	2.12	5.2	11.0	1-B
746	2.34	6.0	14.0	1-3V	544	2.13	5.0	10.6	1-3V
734	2.38	5.2	12.4	1-B	525	2.21	4.8	10.6	1-A
696	2.51	5.6	14.0	1-3V	505	2.30	5.4	12.4	1-B
682	2.57	6.0	15.4	1-B	495	2.34	6.0	14.0	1-3V
636	2.75	5.6	15.4	1-B	486	2.38	5.2	12.4	1-B
621	2.82	5.0	14.0	1-3V	464	2.50	4.8	12.0	1-A
614	2.85	5.4	15.4	1-B	462	2.51	5.6	14.0	1-3V
609	2.87	6.4	18.4	1-B	452	2.57	6.0	15.4	1-B
591	2.96	5.2	15.4	1-B	433	2.68	5.6	15.0	1-A
571	3.07	6.0	18.4	1-B	422	2.75	5.6	15.4	1-B
549	3.18	6.0	19.0	1-3V	412	2.82	5.0	14.0	1-3V
533	3.29	5.6	18.4	1-B	402	2.88	5.2	15.0	1-A
514	3.41	5.4	18.4	1-B	392	2.96	5.2	15.4	1-B
513	3.41	5.6	19.0	1-3V	387	3.00	5.0	15.0	1-A
495	3.54	5.2	18.4	1-B	371	3.12	4.8	15.0	1-A
457	3.83	5.0	19.0	1-3V	364	3.18	6.0	19.0	1-3V
....	....	..	...	....	361	3.21	5.6	18.0	1-A
....	....	..	...	....	353	3.29	5.6	18.4	1-B
....	....	..	...	....	340	3.41	5.6	19.0	1-3V
....	....	..	...	....	335	3.46	5.2	18.0	1-A
....	....	..	...	....	322	3.60	5.0	18.0	1-A
....	....	..	...	....	309	3.75	4.8	18.0	1-A
....	....	..	...	....	303	3.83	5.0	19.0	1-3V

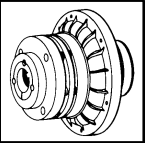
* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 75D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	5.6	5.6	2-B	1160	1.00	4.8	4.8	2-A
1694	1.03	6.0	6.2	2-B	1114	1.04	4.8	5.0	2-A
1690	1.04	5.6	5.8	2-B	1094	1.06	5.0	5.3	2-3V
1641	1.07	6.0	6.4	2-B	1082	1.07	5.6	6.0	2-3V
1632	1.07	5.6	6.0	2-3V	1071	1.08	4.8	5.2	2-A
1614	1.08	6.0	6.5	2-3V	1072	1.08	6.0	6.5	2-3V
1591	1.10	6.0	6.6	2-B	1055	1.10	6.0	6.6	2-B
1544	1.13	6.0	6.8	2-B	1036	1.12	5.0	5.6	2-A
1524	1.15	5.4	6.2	2-B	1035	1.12	5.0	5.6	2-3V
1520	1.15	6.0	6.9	2-3V	1015	1.14	5.6	6.4	2-B
1506	1.16	5.6	6.5	2-3V	1008	1.15	6.0	6.9	2-3V
1485	1.18	5.6	6.6	2-B	1000	1.16	5.0	5.8	2-A
1441	1.21	5.6	6.8	2-B	998	1.16	5.6	6.5	2-3V
1419	1.23	6.0	7.4	2-B	994	1.17	4.8	5.6	2-A
1418	1.23	5.6	6.9	2-3V	984	1.18	5.6	6.6	2-B
1390	1.26	5.4	6.8	2-B	967	1.20	5.0	6.0	2-A
1324	1.32	5.6	7.4	2-B	965	1.20	5.0	6.0	2-3V
1310	1.34	6.0	8.0	2-3V	960	1.21	4.8	5.8	2-A
1277	1.37	5.4	7.4	2-B	941	1.23	6.0	7.4	2-B
1265	1.38	5.0	6.9	2-3V	940	1.23	5.6	6.9	2-3V
1221	1.43	6.0	8.6	2-B	935	1.24	5.0	6.2	2-A
1222	1.43	5.6	8.0	2-3V	928	1.25	4.8	6.0	2-A
1140	1.54	5.6	8.6	2-B	906	1.28	5.0	6.4	2-A
1117	1.57	6.0	9.4	2-B	898	1.29	4.8	6.2	2-A
1099	1.59	5.4	8.6	2-B	890	1.30	5.0	6.5	2-3V
1090	1.61	5.0	8.0	2-3V	887	1.31	5.2	6.8	2-B
1043	1.68	5.6	9.4	2-B	870	1.33	4.8	6.4	2-A
1005	1.74	5.4	9.4	2-B	868	1.34	6.0	8.0	2-3V
987	1.77	6.0	10.6	2-3V	862	1.35	5.2	7.0	2-A
968	1.81	5.2	9.4	2-B	846	1.37	5.4	7.4	2-B
955	1.83	6.0	11.0	2-B	838	1.38	5.0	6.9	2-3V
921	1.90	5.6	10.6	2-3V	829	1.40	5.0	7.0	2-A
891	1.96	5.6	11.0	2-B	809	1.43	6.0	8.6	2-B
859	2.04	5.4	11.0	2-B	810	1.43	5.6	8.0	2-3V
847	2.07	6.0	12.4	2-B	795	1.46	4.8	7.0	2-A
827	2.12	5.2	11.0	2-B	755	1.54	5.6	8.6	2-B
821	2.13	5.0	10.6	2-3V	736	1.58	5.2	8.2	2-A
790	2.21	5.6	12.4	2-B	722	1.61	5.0	8.0	2-3V
762	2.30	5.4	12.4	2-B	707	1.64	5.0	8.2	2-A
746	2.34	6.0	14.0	2-3V	679	1.71	4.8	8.2	2-A
734	2.38	5.2	12.4	2-B	670	1.73	5.2	9.0	2-A
696	2.51	5.6	14.0	2-3V	654	1.77	6.0	10.6	2-3V
682	2.57	6.0	15.4	2-B	644	1.80	5.0	9.0	2-A
636	2.75	5.6	15.4	2-B	619	1.87	4.8	9.0	2-A
621	2.82	5.0	14.0	2-3V	610	1.90	5.6	10.6	2-3V
614	2.85	5.4	15.4	2-B	591	1.96	5.6	11.0	2-B
591	2.96	5.2	15.4	2-B	569	2.04	5.4	11.0	2-B
571	3.07	6.0	18.4	2-B	547	2.12	5.0	10.6	2-A
549	3.18	6.0	19.0	2-3V	544	2.13	5.0	10.6	2-3V
525	3.33	6.0	20.0	2-B	525	2.21	4.8	10.6	2-A
514	3.41	5.4	18.4	2-B	495	2.34	6.0	14.0	2-3V
513	3.41	5.6	19.0	2-3V	486	2.38	5.2	12.4	2-B
490	3.57	5.6	20.0	2-B	464	2.50	4.8	12.0	2-A
455	3.85	5.2	20.0	2-B	462	2.51	5.6	14.0	2-3V
457	3.83	5.0	19.0	2-3V	422	2.75	5.6	15.4	2-B
420	4.17	6.0	25.0	2-B	412	2.82	5.0	14.0	2-3V
417	4.19	6.0	25.0	2-3V	402	2.88	5.2	15.0	2-A
392	4.46	5.6	25.0	2-B	387	3.00	5.0	15.0	2-A
389	4.50	5.6	25.0	2-3V	371	3.12	4.8	15.0	2-A
378	4.63	5.4	25.0	2-B	364	3.18	6.0	19.0	2-3V
364	4.81	5.2	25.0	2-B	340	3.41	5.6	19.0	2-3V
350	5.00	6.0	30.0	2-B	322	3.60	5.0	18.0	2-A
347	5.04	5.0	25.0	2-3V	309	3.75	4.8	18.0	2-A
327	5.36	5.6	30.0	2-B	303	3.83	5.0	19.0	2-3V
303	5.77	5.2	30.0	2-B	278	4.17	6.0	25.0	2-B
276	6.33	6.0	38.0	2-B	277	4.19	6.0	25.0	2-3V
258	6.79	5.6	38.0	2-B	258	4.50	5.6	25.0	2-3V
249	7.04	5.4	38.0	2-B	230	5.04	5.0	25.0	2-3V

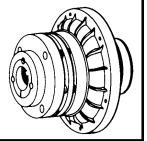
* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 9D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	4.75	4.75	4-3V	1160	1.00	4.75	4.75	4-3V
1683	1.04	5.0	5.2	5-A	1115	1.04	5.0	5.2	5-A
1667	1.05	4.75	5.0	4-3V	1105	1.05	4.75	5.0	4-3V
1636	1.07	5.6	6.0	4-A	1084	1.07	5.6	6.0	4-A
1620	1.08	5.2	5.6	5-A	1074	1.08	5.2	5.6	5-A
1577	1.11	5.4	6.0	5-B	1045	1.11	5.4	6.0	5-B
1563	1.12	4.75	5.3	4-3V	1036	1.12	4.75	5.3	4-3V
1549	1.13	5.3	6.0	4-3V	1027	1.13	5.3	6.0	4-3V
1535	1.14	5.6	6.4	4-A	1018	1.14	5.6	6.4	4-A
1522	1.15	6.0	6.9	4-3V	1009	1.15	6.0	6.9	4-3V
1496	1.17	6.0	7.0	4-A	991	1.17	6.0	7.0	4-A
1483	1.18	4.75	5.6	4-3V	983	1.18	4.75	5.6	4-3V
1458	1.20	5.0	6.0	5-A	967	1.20	5.0	6.0	5-A
1423	1.23	5.3	6.5	4-3V	943	1.23	5.3	6.5	4-3V
1400	1.25	5.6	7.0	4-A	928	1.25	5.6	7.0	4-A
1378	1.27	4.75	6.0	4-3V	913	1.27	4.75	6.0	4-3V
1367	1.28	5.0	6.4	5-A	906	1.28	5.0	6.4	5-A
1346	1.30	5.3	6.9	4-3V	892	1.30	5.3	6.9	4-3V
1326	1.32	5.6	7.4	5-B	879	1.32	5.6	7.4	5-B
1306	1.34	6.0	8.0	4-3V	866	1.34	6.0	8.0	4-3V
1296	1.35	5.2	7.0	5-A	859	1.35	5.2	7.0	5-A
1277	1.37	4.75	6.5	4-3V	847	1.37	4.75	6.5	4-3V
1250	1.40	5.0	7.0	5-A	829	1.40	5.0	7.0	5-A
1224	1.43	6.0	8.6	4-B	811	1.43	6.0	8.6	4-B
1199	1.46	4.75	6.9	4-3V	795	1.46	4.75	6.9	4-3V
1159	1.51	5.3	8.0	4-3V	768	1.51	5.3	8.0	4-3V
1136	1.54	5.6	8.6	5-B	753	1.54	5.6	8.6	5-B
1108	1.58	5.2	8.2	5-A	734	1.58	5.2	8.2	5-A
1087	1.61	5.6	9.0	4-A	720	1.61	5.6	9.0	4-A
1067	1.64	5.0	8.2	5-A	707	1.64	5.0	8.2	5-A
1036	1.69	4.75	8.0	4-3V	686	1.69	4.75	8.0	4-3V
1012	1.73	5.2	9.0	5-A	671	1.73	5.2	9.0	5-A
989	1.77	6.0	10.6	4-3V	655	1.77	6.0	10.6	4-3V
972	1.80	5.0	9.0	5-A	644	1.80	5.0	9.0	5-A
956	1.83	6.0	11.0	4-B	634	1.83	6.0	11.0	4-B
926	1.89	5.6	10.6	4-A	614	1.89	5.6	10.6	4-A
902	1.94	6.4	12.4	4-B	598	1.94	6.4	12.4	4-B
871	2.01	5.3	10.6	4-3V	577	2.01	5.3	10.6	4-3V
858	2.04	5.2	10.6	5-A	569	2.04	5.2	10.6	5-A
818	2.14	5.6	12.0	4-A	542	2.14	5.6	12.0	4-A
792	2.21	5.6	12.4	5-B	525	2.21	5.6	12.4	5-B
781	2.24	4.75	10.6	4-3V	518	2.24	4.75	10.6	4-3V
748	2.34	6.0	14.0	4-3V	496	2.34	6.0	14.0	4-3V
729	2.40	5.0	12.0	5-A	483	2.40	5.0	12.0	5-A
700	2.50	6.0	12.0	4-A	464	2.50	6.0	15.0	4-A
681	2.57	6.0	15.4	4-B	451	2.57	6.0	15.4	4-B
658	2.66	5.3	14.0	4-3V	436	2.66	5.3	14.0	4-3V
636	2.75	5.6	15.4	5-B	422	2.75	5.6	15.4	5-B
608	2.88	5.2	15.0	5-A	403	2.88	5.2	15.0	5-A
589	2.97	4.75	14.0	4-3V	391	2.97	4.75	14.0	4-3A
570	3.07	6.0	18.4	4-B	378	3.07	6.0	18.4	4-B
545	3.21	5.6	18.0	4-A	361	3.21	5.6	18.0	4-A
532	3.29	5.6	18.4	5-B	353	3.29	5.6	18.4	5-B
506	3.46	5.2	18.0	5-A	335	3.46	5.2	18.0	5-A
485	3.61	5.3	19.0	4-3V	321	3.61	5.3	19.0	4-3V
473	3.70	5.4	20.0	5-B	314	3.70	5.4	20.0	5-B
448	3.91	6.4	25.0	4-B	297	3.91	6.4	25.0	4-B
434	4.03	4.75	19.0	4-3V	288	4.03	4.75	19.0	4-3V
420	4.17	6.0	25.0	4-B	278	4.17	6.0	25.0	4-B
392	4.46	5.6	25.0	5-B	260	4.46	5.6	25.0	5-B
368	4.75	5.3	25.0	4-3V	244	4.75	5.3	25.0	4-3V
350	5.00	6.0	30.0	4-B	232	5.00	6.0	30.0	4-B
330	5.31	4.75	25.0	4-3V	218	5.31	4.75	25.0	4-3V
311	5.62	6.0	33.5	4-3V	206	5.62	6.0	33.5	4-3V
295	5.94	6.4	38.0	4-B	195	5.94	6.4	38.0	4-B
275	6.37	5.3	33.5	4-3V	182	6.37	5.3	33.5	4-3V
258	6.79	5.6	38.0	5-B	171	6.79	5.6	38.0	5-B
246	7.12	4.75	33.5	4-3V	163	7.12	4.75	33.5	4-3V

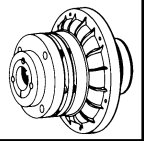
* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of A and B sheaves. All ratios are based on P.D. for DYNA-V sheaves and Datum diameter for A and B Sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 11D, 11DL FLEXIDYNE DRIVES

These are typical drives for average service conditions.

Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	6.5	6.5	5-3V	1160	1.00	6.5	6.5	5-3V
1750	1.00	6.8	6.8	5-B	1160	1.00	6.8	6.8	5-B
1699	1.03	6.6	6.8	5-B	1126	1.03	6.6	6.8	5-B
1651	1.06	6.5	6.9	5-3V	1094	1.06	6.5	6.9	5-3V
1636	1.07	7.5	8.0	3-5V	1084	1.07	7.5	8.0	3-5V
1606	1.09	6.8	7.4	5-B	1064	1.09	6.8	7.4	5-B
1563	1.12	6.6	7.4	5-B	1036	1.12	6.6	7.4	5-B
1535	1.14	7.5	8.5	3-5V	1022	1.14	7.5	8.5	3-5V
1509	1.16	7.4	8.6	5-B	1000	1.16	7.4	8.6	5-B
1509	1.16	6.9	8.0	5-3V	1000	1.16	6.9	8.0	5-3V
1458	1.20	7.5	9.0	3-5V	967	1.20	7.5	9.0	3-5V
1423	1.23	6.5	8.0	5-3V	943	1.23	6.5	8.0	5-3V
1411	1.24	7.5	9.25	3-5V	935	1.24	7.5	9.25	3-5V
1389	1.26	6.8	8.6	5-B	921	1.26	6.8	8.6	5-B
1378	1.27	7.4	9.4	5-B	913	1.27	7.4	9.4	5-B
1367	1.28	8.6	11.0	5-B	906	1.28	8.6	11.0	5-B
1346	1.30	7.5	9.75	3-5V	892	1.30	7.5	9.75	3-5V
1346	1.30	6.6	8.6	5-B	892	1.30	6.6	8.6	5-B
1268	1.38	7.5	10.3	3-5V	841	1.38	7.5	10.3	3-5V
1268	1.38	6.8	9.4	5-B	841	1.38	6.8	9.4	5-B
1232	1.42	6.6	9.4	5-B	817	1.42	6.6	9.4	5-B
1215	1.44	8.6	12.4	5-B	806	1.44	8.6	12.4	5-B
1199	1.46	7.5	10.9	3-5V	795	1.46	7.5	10.9	3-5V
1174	1.49	7.4	11.0	5-B	779	1.49	7.4	11.0	5-B
1136	1.54	6.9	10.6	5-3V	753	1.54	6.9	10.6	5-3V
1108	1.58	7.5	11.8	3-5V	734	1.58	7.5	11.8	3-5V
1080	1.62	6.8	11.0	5-B	716	1.62	6.8	11.0	5-B
1067	1.64	6.5	10.6	5-3V	707	1.64	6.5	10.6	5-3V
1048	1.67	6.6	11.0	5-B	695	1.67	6.6	11.0	5-B
1042	1.68	7.5	12.5	3-5V	690	1.68	7.5	12.5	3-5V
1042	1.68	7.4	12.4	5-B	690	1.68	7.4	12.4	5-B
989	1.77	7.5	13.2	3-5V	655	1.77	7.5	13.2	3-5V
978	1.79	8.6	15.4	5-B	648	1.79	8.6	15.4	5-B
962	1.82	6.8	12.4	5-B	637	1.82	6.8	12.4	5-B
931	1.88	7.5	14.0	3-5V	617	1.88	7.5	14.0	3-5V
931	1.88	6.6	12.4	5-B	617	1.88	6.6	12.4	5-B
871	2.01	7.5	15.0	3-5V	577	2.01	7.5	15.0	3-5V
858	2.04	6.9	14.0	5-3V	569	2.04	6.9	14.0	5-3V
841	2.08	7.4	15.4	5-B	558	2.08	7.4	15.4	5-B
818	2.14	8.6	18.4	5-B	542	2.14	8.6	18.4	5-B
814	2.15	7.5	16.0	3-5V	540	2.15	7.5	16.0	3-5V
810	2.16	6.5	14.0	5-3V	537	2.16	6.5	14.0	5-3V
774	2.26	6.8	15.4	5-B	513	2.26	6.8	15.4	5-B
751	2.33	6.6	15.4	5-B	498	2.33	6.6	15.4	5-B
703	2.49	7.4	18.4	5-B	466	2.49	7.4	18.4	5-B
646	2.71	6.8	18.4	5-B	428	2.71	6.8	18.4	5-B
632	2.77	6.9	19.0	5-3V	419	2.77	6.9	19.0	5-3V
627	2.79	6.6	18.4	5-B	416	2.79	6.6	18.4	5-B
614	2.85	7.5	21.2	3-5V	407	2.85	7.5	21.2	3-5V
601	2.91	8.6	25.0	5-B	399	2.91	8.6	25.0	5-B
595	2.94	6.5	19.0	5-3V	395	2.94	6.5	19.0	5-3V
578	3.03	6.6	20.0	5-B	383	3.03	6.6	20.0	5-B
518	3.38	7.4	25.0	5-B	343	3.38	7.4	25.0	5-B
501	3.49	8.6	30.0	5-B	332	3.49	8.6	30.0	5-B
481	3.64	6.9	25.0	5-3V	319	3.64	6.9	25.0	5-3V
476	3.68	6.8	25.0	5-B	315	3.68	6.8	25.0	5-B
464	3.77	7.5	28.0	3-5V	308	3.77	7.5	28.0	3-5V
462	3.79	6.6	25.0	5-B	306	3.79	6.6	25.0	5-B
452	3.87	6.5	25.0	5-3V	300	3.87	6.5	25.0	5-3V
432	4.05	7.4	30.0	5-B	286	4.05	7.4	30.0	5-B
397	4.41	6.8	30.0	5-B	263	4.41	6.8	30.0	5-B
385	4.55	6.6	30.0	5-B	255	4.55	6.6	30.0	5-B
359	4.88	6.9	33.5	5-3V	238	4.88	6.9	35.5	5-3V
347	5.05	7.5	37.5	3-5V	230	5.05	7.5	37.5	3-5V
340	5.14	7.4	38.0	5-B	226	5.14	7.4	38.0	5-B
337	5.19	6.5	33.5	5-3V	224	5.19	6.5	33.5	5-3V
313	5.59	6.8	38.0	5-B	208	5.59	6.8	38.0	5-B
304	5.76	6.6	38.0	5-B	201	5.76	6.6	38.0	5-B

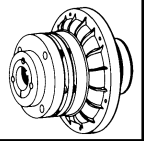
* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of B and C sheaves. All ratios are based on P.D. for DYNA-V sheaves and Datum diameter for B and C Sheaves.

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MODIFICATIONS/ ACCESSORIES



FLEXIDYNE

V-BELT DRIVES FOR 15D FLEXIDYNE DRIVES

These are typical drives for average service conditions.

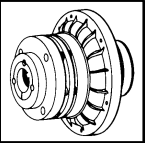
Driven by 1750 RPM Motors					Driven by 1160 RPM Motors				
Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦	Driven RPM	V-Belt Drive Ratio	Diameter *		Quan. & Belt Size ♦
		Driver *	Driven ▲				Driver *	Driven ▲	
1750	1.00	9.75	9.75	4-5V	1160	1.00	9.75	9.75	4-5V
1699	1.03	9.0	9.25	5-5V	1126	1.03	9.0	9.25	5-5V
1663	1.05	9.5	10.0	6-C	1102	1.05	9.5	10.0	6-C
1651	1.06	9.75	10.3	4-5V	1094	1.06	9.75	10.3	4-5V
1620	1.08	9.0	9.75	5-5V	1074	1.08	9.0	9.75	5-5V
1606	1.09	8.5	9.25	5-5V	1064	1.09	8.5	9.25	5-5V
1591	1.10	10.0	11.0	6-C	1055	1.10	10.0	11.0	6-C
1575	1.11	9.0	10.0	6-C	1044	1.11	9.0	10.0	6-C
1563	1.12	9.75	10.9	4-5V	1036	1.12	9.75	10.9	4-5V
1531	1.14	10.5	12.0	5-C	1015	1.14	10.5	12.0	5-C
1522	1.15	8.5	9.75	5-5V	1009	1.15	8.5	9.75	5-5V
1496	1.17	9.0	10.5	6-C	994	1.17	9.0	10.5	6-C
1458	1.20	10.0	12.0	6-C	966	1.20	10.0	12.0	6-C
1446	1.21	9.75	11.8	4-5V	959	1.21	9.75	11.8	4-5V
1432	1.22	9.0	11.0	6-C	949	1.22	9.0	11.0	6-C
1413	1.24	10.5	13.0	5-C	937	1.24	10.5	13.0	5-C
1385	1.26	9.5	12.0	6-C	918	1.26	9.5	12.0	6-C
1367	1.28	9.75	12.5	4-3V	906	1.28	9.75	12.5	4-3V
1357	1.29	8.5	10.9	5-5V	899	1.29	8.5	10.9	5-5V
1346	1.30	10.0	13.0	6-C	892	1.30	10.0	13.0	6-C
1336	1.31	9.0	11.8	5-5V	885	1.31	9.0	11.8	5-5V
1313	1.33	10.5	14.0	5-C	870	1.33	10.5	14.0	5-C
1287	1.36	9.75	13.2	4-5V	853	1.36	9.75	13.2	4-5V
1279	1.37	9.5	13.0	6-C	848	1.37	9.5	13.0	6-C
1259	1.39	8.5	11.8	5-5V	835	1.39	8.5	11.8	5-5V
1250	1.40	10.0	14.0	6-C	829	1.40	10.0	14.0	6-C
1215	1.44	9.75	14.0	4-5V	806	1.44	9.75	14.0	4-5V
1190	1.47	9.0	13.2	5-5V	789	1.47	9.0	13.2	5-5V
1182	1.48	8.5	12.5	5-5V	784	1.48	8.5	12.5	5-5V
1148	1.52	10.5	16.0	5-C	761	1.52	10.5	16.0	5-C
1136	1.54	9.75	15.0	4-5V	753	1.54	9.75	15.0	4-5V
1122	1.56	8.5	13.2	5-5V	744	1.56	8.5	13.2	5-5V
1094	1.60	10.0	16.0	6-C	725	1.60	10.0	16.0	6-C
1061	1.65	9.75	16.0	4-5V	703	1.65	9.75	16.0	4-5V
1048	1.67	9.0	15.0	5-5V	695	1.67	9.0	15.0	5-5V
1039	1.68	9.5	16.0	6-C	689	1.68	9.5	16.0	6-C
989	1.77	8.5	15.0	5-5V	655	1.77	8.5	15.0	5-5V
978	1.79	9.0	16.0	5-5V	648	1.79	9.0	16.0	5-5V
926	1.89	8.5	16.0	5-5V	614	1.89	8.5	16.0	5-5V
919	1.91	10.5	20.0	5-C	609	1.91	10.5	20.0	5-C
875	2.00	10.0	20.0	6-C	580	2.00	10.0	20.0	6-C
831	2.10	9.5	20.0	6-C	551	2.10	9.5	20.0	6-C
799	2.19	9.75	21.2	4-5V	530	2.19	9.75	21.2	4-5V
788	2.22	9.0	20.0	6-C	522	2.22	9.0	20.0	6-C
766	2.28	10.5	24.0	5-C	508	2.28	10.5	24.0	5-C
738	2.37	9.0	21.2	5-5V	489	2.37	9.0	21.2	5-5V
729	2.40	10.0	24.0	6-C	483	2.40	10.0	24.0	6-C
697	2.51	8.5	21.2	5-5V	462	2.51	8.5	21.2	5-5V
656	2.67	9.0	24.0	6-C	435	2.67	9.0	24.0	6-C
612	2.86	10.5	30.0	5-C	406	2.86	10.5	30.0	5-C
606	2.89	9.75	28.0	4-5V	401	2.89	9.75	28.0	4-5V
583	3.00	10.0	30.0	6-C	386	3.00	10.0	30.0	6-C
559	3.13	9.0	28.0	5-5V	371	3.13	9.0	28.0	5-5V
527	3.32	8.5	28.0	5-5V	349	3.32	8.5	28.0	5-5V
510	3.43	10.5	36.0	5-C	338	3.43	10.5	36.0	5-C
486	3.60	10.0	36.0	6-C	322	3.60	10.0	36.0	6-C
462	3.79	9.5	36.0	6-C	306	3.79	9.5	36.0	6-C
451	3.88	9.75	37.5	4-5V	299	3.88	9.75	37.5	4-5V
438	4.00	9.0	36.0	6-C	290	4.00	9.0	36.0	6-C
417	4.20	9.0	37.5	5-5V	276	4.20	9.0	37.5	5-5V
393	4.45	8.5	37.5	5-5V	261	4.45	8.5	37.5	5-5V
378	4.64	9.5	44.0	6-C	251	4.64	9.5	44.0	6-C
368	4.76	10.5	50.0	5-C	244	4.76	10.5	50.0	5-C
358	4.89	9.0	44.0	6-C	237	4.89	9.0	44.0	6-C
350	5.00	10.0	50.0	6-C	232	5.00	10.0	50.0	6-C
338	5.17	9.75	50.0	4-5V	224	5.17	9.75	50.0	4-5V
312	5.61	9.0	50.0	5-5V	207	5.61	9.0	50.0	5-5V
295	5.94	8.5	50.0	5-5V	195	5.94	8.5	50.0	5-5V

* Stock FLEXIDYNE sheaves listed on page PT3-16 – PT3-17.

* Stock TAPER-LOCK sheaves in V-drives section.

* Outside diameter of 3V Dyna-V sheaves. Datum diameter of B and C sheaves. All ratios are based on P.D. for DYNA-V sheaves and Datum diameter for B and C Sheaves.

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FLEXIDYNE

5CF FLEXIDYNE MECHANISM USED IN A C-FLEX MODULE

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*						
		0.5	1.0	1.5	2.0	2.5	3.0	3.6
2 Hours	1750	140	90	70	56	50	44	37
1 Hour	1750	140	90	70	56	50	44	37
30 Min.	1750	140	90	70	56	50	44	37
15 Min.	1750	140	90	70	56	50	44	37
10 Min.	1750	125	80	60	48	42	39	32
5 Min.	1750	74	46	46	29	26	23	20
2 Min.	1750	30	19	15	12	10	8	5
1 Min.	1750	15	10	5	3	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

THERMAL CAPACITIES

FLEXIDYNE MECHANISM SIZE 5

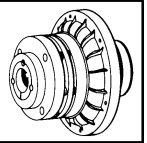
Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*					
		0.3	0.5	0.7	0.9	1.1	1.3
2 Hours	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Hour	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
30 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
15 Min.	1750	330	220	170	128	116	104
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
10 Min.	1750	300	200	150	116	105	94
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
5 Min.	1750	170	116	88	68	62	55
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
2 Min.	1750	70	47	35	27	25	22
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....
1 Min.	1750	35	23	18	14	12	11
	1160	....	....	....	....	....	....
	870	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

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FLEXIDYNE

FLEXIDYNE MECHANISM SIZE 55

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*								
		0.5	0.75	1.0	1.5	2.0	2.5	3.0	3.5	4.0
2 Hours	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	125	92	76	67	60	55	50
	1160	250	175	148	110	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	96	67	60	52	47	43	40
	1160	190	130	110	82	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	58	41	37	32	29	25	20
	1160	110	80	68	50	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	30	23	20	17	15	13	10
	1160	60	40	35	28	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	19	15	13	11	9	8	6
	1160	33	26	22	18	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....

FLEXIDYNE MECHANISM SIZE 70

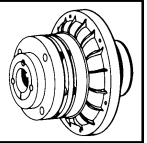
Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		0.5	0.75	1.0	2.0	2.5	3.0	4.0	6.0	8.0	10.0
2 Hours	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	210	180	150	110	80	63	53
	1160	....	....	500	260	190	170	130	....	....	....
	870	900	800	550	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	190	160	140	100	72	56	46
	1160	....	....	450	230	165	155	118	....	....	....
	870	800	700	500	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	170	140	120	83	60	41	36
	1160	....	....	320	190	143	133	90	....	....	....
	870	500	400	330	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	105	85	74	54	38	29	23
	1160	....	....	200	120	88	80	60	....	....	....
	870	250	230	210	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	58	45	39	30	21	16	13
	1160	....	....	80	60	49	45	36	....	....	....
	870	100	100	100	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	36	29	25	19	13	10	8
	1160	....	....	45	38	33	28	23	....	....	....
	870	50	50	50	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

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FLEXIDYNE

FLEXIDYNE MECHANISM SIZE 75

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		1.0	2.0	3.0	4.0	5.0	7.0	8.0	10.0	15.0	20.0
2 Hours	1750	....	....	....	....	85	73	70	58	48	40
	1160	....	250	150	110	90	75	....	....	....	....
	870	520	300	200	....	....	....	....	....	....	....
1 Hour	1750	....	....	....	....	85	73	70	58	48	40
	1160	....	250	150	110	90	75	....	....	....	....
	870	520	300	200	....	....	....	....	....	....	....
30 Min.	1750	....	....	....	....	85	73	70	58	48	40
	1160	....	250	150	110	90	75	....	....	....	....
	870	520	300	200	....	....	....	....	....	....	....
15 Min.	1750	....	....	....	....	80	68	64	53	43	35
	1160	....	220	130	100	85	70	....	....	....	....
	870	520	300	200	....	....	....	....	....	....	....
10 Min.	1750	....	....	....	....	65	57	54	45	34	27
	1160	....	180	110	82	70	60	....	....	....	....
	870	420	210	150	....	....	....	....	....	....	....
5 Min.	1750	....	....	....	....	40	37	35	30	21	17
	1160	....	110	65	50	45	38	....	....	....	....
	870	260	130	100	....	....	....	....	....	....	....
2 Min.	1750	....	....	....	....	22	20	18	16	11	8
	1160	....	60	40	28	24	21	....	....	....	....
	870	100	80	52	....	....	....	....	....	....	....
1 Min.	1750	....	....	....	....	15	13	11	10	8	5
	1160	....	40	22	18	16	14	....	....	....	....
	870	50	40	30	....	....	....	....	....	....	....

FLEXIDYNE MECHANISM SIZE 9

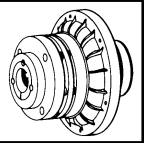
Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		2.5	5	10.0	15.0	17.5	20.0	25.0	30.0	35.0	38.0
2 Hours	1750	....	....	135	76	64	52	40	26	21	16
	1160	....	230	150	120	110	....	....	....	....	....
	870	1000	310	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	135	76	64	52	40	26	21	16
	1160	....	230	150	120	110	....	....	....	....	....
	870	1000	310	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	135	76	64	52	40	26	21	16
	1160	....	230	150	120	110	....	....	....	....	....
	870	820	260	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	118	66	55	45	35	22	18	15
	1160	....	190	120	100	92	....	....	....	....	....
	870	600	180	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	100	58	48	38	30	18	15	13
	1160	....	160	100	85	78	....	....	....	....	....
	870	425	140	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	70	38	31	25	20	12	10	9
	1160	....	100	65	50	47	....	....	....	....	....
	870	225	70	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	28	15	12	10	8	5	4	3
	1160	....	42	26	21	19	....	....	....	....	....
	870	90	27	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	14	7	6	5	4	....	....	....
	1160	....	22	13	11	9	....	....	....	....	....
	870	45	13	....	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.

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FLEXIDYNE

FLEXIDYNE MECHANISM SIZE 11

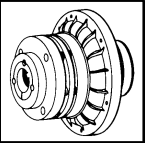
Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*										
		5	10	20	30	40	50	60	70	80	90	100
2 Hours	1750	....	....	116	80	44	34	24	21	18	16	14
	1160	....	480	308	136	107	78	....	....	....	....	....
	870	1000	600	320	....	....	....	....	....	....	....	....
1 Hour	1750	....	....	116	80	44	34	24	21	18	16	14
	1160	....	480	308	136	107	78	....	....	....	....	....
	870	950	560	300	....	....	....	....	....	....	....	....
30 Min.	1750	....	....	116	80	44	34	24	21	18	16	14
	1160	....	400	257	115	89	64	....	....	....	....	....
	870	700	440	230	....	....	....	....	....	....	....	....
15 Min.	1750	....	....	96	67	37	28	20	17	15	13	12
	1160	....	270	175	80	63	46	....	....	....	....	....
	870	450	280	150	....	....	....	....	....	....	....	....
10 Min.	1750	....	....	80	56	32	24	17	14	12	11	10
	1160	....	200	130	60	47	35	....	....	....	....	....
	870	290	180	90	....	....	....	....	....	....	....	....
5 Min.	1750	....	....	50	35	20	15	10	9	8	7	6
	1160	....	100	65	30	23	17	....	....	....	....	....
	870	130	80	42	....	....	....	....	....	....	....	....
2 Min.	1750	....	....	21	14	8	6	4	3	....	....	....
	1160	....	40	26	12	9	6	....	....	....	....	....
	870	46	30	15	....	....	....	....	....	....	....	....
1 Min.	1750	....	....	11	7	4	3	....	....	....	....	....
	1160	....	20	13	6	4	3	....	....	....	....	....
	870	21	13	6	....	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

* Starting HP is dependent on the amount of flow charge used.
* Starting HP is dependent on the amount of flow charge used.

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FLEXIDYNE

FLEXIDYNE MECHANISM SIZE 15

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*									
		10	20	30	40	50	60	70	80	90	100
2 Hours	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
1 Hour	1750	....	....	....	....	35	31	27	23	20	16
	1160	....	230	167	105	81	56	47	39	33	28
	870	560	300	200	145	....	....	....	....	....	....
30 Min.	1750	....	....	....	....	34	30	26	22	18	15
	1160	....	230	167	105	81	56	47	39	33	28
	870	460	240	160	120	....	....	....	....	....	....
15 Min.	1750	....	....	....	....	30	27	23	20	16	13
	1160	....	190	140	90	68	47	40	33	28	24
	870	350	170	125	90	....	....	....	....	....	....
10 Min.	1750	....	....	....	....	28	25	21	17	15	13
	1160	....	160	117	74	57	40	34	28	24	20
	870	260	130	95	68	....	....	....	....	....	....
5 Min.	1750	....	....	....	....	19	16	14	12	10	9
	1160	....	100	73	46	35	25	21	17	14	12
	870	160	80	60	42	....	....	....	....	....	....
2 Min.	1750	....	....	....	....	12	10	9	7	6	5
	1160	....	44	32	20	15	11	9	7	6	5
	870	85	42	32	22	....	....	....	....	....	....
1 Min.	1750	....	....	....	....	8	7	6	5	4	3
	1160	....	23	17	10	7	5	5	4	3	3
	870	53	25	19	14	....	....	....	....	....	....

Frequency of Starts	RPM	Starting Horsepower*									
		110	120	130	140	150	160	170	180	190	200
2 Hours	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Hour	1750	15	14	13	12	11	10	9	9	8	8
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
30 Min.	1750	14	13	12	11	10	10	9	9	8	7
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
15 Min.	1750	12	11	10	10	9	8	8	7	7	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
10 Min.	1750	12	11	10	9	8	8	7	7	6	6
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
5 Min.	1750	8	7	7	6	6	6	5	5	4	4
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
2 Min.	1750	5	4	4	3	3	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....
1 Min.	1750	3	....	....	....	....	....	....	....	....	....
	1160	....	....	....	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....	....	....	....

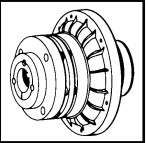
Table may be interpolated for HP and cycle times between those figures listed.

Thermal capacities are shown for single cavity units. For duplex cavities, starting horsepower = (HP * Starting Torque %)/2

* Starting HP is dependent on the amount of flow charge used.

Caution: At these capacities, the housing temperature may reach 250 degrees F.

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FLEXIDYNE

FLEXIDYNE MECHANISM SIZE 18

Maximum Allowable Acceleration Time (seconds)

Frequency of Starts	RPM	Starting Horsepower*							
		20	40	60	80	100	120	140	160
2 Hours	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	600	370	220	160	....	....	....	....
1 Hour	1160	....	....	....	....	60	49	38	33
	870	....	200	160	120	96	72	62	52
	720	560	350	200	150	....	....	....	....
30 Min.	1160	....	....	....	....	56	45	35	30
	870	....	160	130	100	80	60	52	44
	720	450	280	160	120	....	....	....	....
15 Min.	1160	....	....	....	....	44	35	26	23
	870	....	115	94	72	58	45	38	32
	720	300	180	100	74	....	....	....	....
10 Min.	1160	....	....	....	....	32	26	20	17
	870	....	90	72	54	43	32	27	22
	720	200	120	66	48	....	....	....	....
5 Min.	1160	....	....	....	....	17	13	10	9
	870	....	44	35	27	21	16	13	11
	720	90	54	32	23	....	....	....	....
2 Min.	1160	....	....	....	....	7	5	4	4
	870	....	17	13	10	8	6	5	4
	720	35	21	12	8	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....	....
	870	....	8	6	5	4	3	....	....
	720	16	10	5	4	....	....	....	....

Frequency of Starts	RPM	Starting Horsepower*						
		180	200	220	240	260	280	300
2 Hours	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Hour	1160	28	25	22	20	18	16	14
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
30 Min.	1160	26	23	20	18	17	15	13
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
15 Min.	1160	20	18	16	14	13	11	10
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
10 Min.	1160	15	13	12	10	9	8	7
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
5 Min.	1160	8	7	6	5	5	4	4
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
2 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....
1 Min.	1160	....	....	....	....	....	....	....
	870	....	....	....	....	....	....	....
	720	....	....	....	....	....	....	....

Table may be interpolated for HP and cycle times between those figures listed.

Thermal capacities are shown for single cavity units.

For duplex cavities, starting horsepower = (HP * Starting Torque %)/2

* Starting HP is dependent on the amount of flow charge used. Caution: At these capacities, the housing temperature may reach 250 degrees F.

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