

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 12 - CLASS I SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT425A

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-115	OUTPUT HP(RUN)	0.6	0.9	1.2	1.4	1.7	1.9	2.2	2.4	2.7	2.9	3.1
	Running Torque	4025	3776	3651	3577	3527	3491	3465	3396	3342	3298	3260
	Starting Torque	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	Running Pressure	1685	1581	1529	1498	1477	1462	1451	1422	1399	1381	1365
	Flow Rate, GPM	2.0	2.3	2.7	3.0	3.4	3.8	4.1	4.5	4.9	5.2	5.6
HXT-125	OUTPUT HP(RUN)	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7	2.9	3.1
	Running Torque	3403	3403	3403	3403	3403	3403	3403	3396	3342	3298	3260
	Starting Torque	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868
	Running Pressure	2000	2000	2000	2000	2000	2000	2000	1996	1964	1938	1916
	Flow Rate, GPM	1.5	1.8	2.1	2.3	2.6	2.9	3.2	3.4	3.7	3.9	4.2
HXT-215	OUTPUT HP(RUN)	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5	3.8	4.2
	Running Torque	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387
	Starting Torque	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	Running Pressure	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	Flow Rate, GPM	2.2	2.6	2.9	3.3	3.6	4.0	4.3	4.7	5.0	5.4	5.7
HXT-225	OUTPUT HP(RUN)	1.1	1.6	2.1	2.6	3.0	3.5	4.0	4.4	4.8	5.2	5.6
	Running Torque	7245	6824	6613	6486	6402	6342	6297	6171	6070	5988	5919
	Starting Torque	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152
	Running Pressure	1985	1870	1812	1777	1754	1737	1725	1691	1663	1640	1622
	Flow Rate, GPM	2.7	3.2	3.7	4.3	4.8	5.4	6.0	6.5	7.1	7.6	8.2
HXT-315A	OUTPUT HP(RUN)	1.8	2.6	3.4	4.3	5.1	5.9	6.8	7.4	8.1	8.7	9.4
	Running Torque	11098	10894	10791	10730	10689	10660	10638	10379	10171	10001	9860
	Starting Torque	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190
	Running Pressure	1523	1495	1481	1473	1467	1463	1460	1425	1396	1373	1353
	Flow Rate, GPM	4.6	5.7	6.9	8.0	9.2	10.3	11.5	12.6	13.7	14.8	15.9
HXT-325A	OUTPUT HP(RUN)	1.2	1.8	2.4	3.0	3.7	4.3	4.9	5.5	6.1	6.7	7.3
	Running Torque	7689	7689	7689	7689	7689	7689	7689	7689	7689	7689	7689
	Starting Torque	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479
	Running Pressure	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	Flow Rate, GPM	2.7	3.4	4.0	4.6	5.2	5.8	6.4	7.0	7.6	8.3	8.9
HXT-415A	OUTPUT HP(RUN)	2.6	3.9	5.1	6.3	7.5	8.7	9.9	11.0	12.1	13.1	14.2
	Running Torque	16676	16229	16005	15871	15781	15717	15669	15424	15227	15066	14932
	Starting Torque	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	Running Pressure	2251	2191	2161	2142	2130	2122	2115	2082	2056	2034	2016
	Flow Rate, GPM	5.7	6.8	8.0	9.1	10.3	11.4	12.6	13.7	14.9	16.0	17.2
HXT-425A	OUTPUT HP(RUN)	2.6	3.9	5.1	6.3	7.5	8.7	9.9	11.0	12.1	13.1	14.2
	Running Torque	16676	16229	16005	15871	15781	15717	15669	15424	15227	15066	14932
	Starting Torque	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164
	Running Pressure	1397	1360	1341	1330	1322	1317	1313	1292	1276	1262	1251
	Flow Rate, GPM	5.9	7.7	9.6	11.5	13.4	15.3	17.2	19.0	20.9	22.8	24.7

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 12 - CLASS I SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT425A (CONT'D)

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-115	3.3	3.6	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.50
	3229	3202	3179	3158	3140	3124	3099	3076	3056	3037	3020	3005	2983	2964	2945	2929
	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	1352	1341	1331	1322	1315	1308	1298	1288	1280	1272	1265	1258	1249	1241	1233	1226
	6.0	6.3	6.7	7.1	7.5	7.8	8.2	8.6	9.0	9.3	9.7	10.1	10.5	10.8	11.2	11.6
HXT-125	3.3	3.6	3.8	4.0	4.2											
	3229	3202	3179	3158	3140											
	2868	2868	2868	2868	2868											
	1898	1882	1868	1856	1845											
	4.5	4.7	5.0	5.2	5.5											
HXT-215	4.5	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.0	9.4	9.7
	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387	4387
	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
	6.1	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.9	9.2	9.6	9.9	10.3	10.6	11.0	11.3
HXT-225	6.0	6.5	6.9	7.3	7.7											
	5861	5811	5768	5730	5697											
	6152	6152	6152	6152	6152											
	1606	1592	1580	1570	1561											
	8.8	9.3	9.9	10.5	11.1											
HXT-315A	10.0	10.7	11.4	12.0	12.7	13.3	13.8	14.3	14.8	15.3	15.8	15.9	15.7	15.5	15.2	15.0
	9740	9637	9549	9471	9402	9341	9172	9020	8883	8758	8644	8351	7916	7515	7096	6753
	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17078	16862	16663	16478	16306
	1337	1323	1311	1300	1291	1282	1259	1238	1219	1202	1186	1146	1087	1031	974	927
	17.1	18.2	19.4	20.5	21.7	22.8	23.9	25.1	26.2	27.3	28.5	29.6	30.6	31.7	32.8	33.9
HXT-325A	7.9	8.5	9.1	9.8	10.4											
	7689	7689	7689	7689	7689											
	6479	6479	6479	6479	6479											
	2000	2000	2000	2000	2000											
	9.5	10.1	10.7	11.3	11.9											
HXT-415A	15.3	16.3	17.4	18.5	19.6	20.6	21.5	22.0	21.5	21.0	20.5	20.0	19.5	19.0	18.5	18.0
	14818	14721	14636	14563	14497	14440	14295	13866	12905	12032	11235	10504	9832	9211	8637	8103
	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	2000	1987	1976	1966	1957	1949	1930	1872	1742	1624	1517	1418	1327	1244	1166	1094
	18.30	19.5	20.7	21.8	23.0	24.1	25.3	26.4	27.4	28.4	29.4	30.4	31.5	32.5	33.6	34.7
HXT-425A	15.30	16.3	17.4	18.5	19.6											
	14818	14721	14636	14563	14497											
	28164	28164	28164	28164	28164											
	1241	1233	1226	1220	1215											
	26.6	28.5	30.3	32.2	34.1											

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 12 - CLASS I SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-515B	OUTPUT HP(RUN)	4.6	6.5	8.5	10.5	12.5	14.4	16.4	17.9	19.3	20.8	22.3
	Running Torque	28751	27474	26835	26451	26196	26013	25876	25046	24381	23838	23384
	Starting Torque	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924
	Running Pressure	2125	2031	1983	1955	1936	1923	1913	1851	1802	1762	1728
	Flow Rate, GPM	10.0	11.9	13.9	16.0	18.1	20.2	22.3	24.3	26.3	28.4	30.5
HXT-525B	OUTPUT HP(RUN)	4.6	6.5	8.5	10.5	12.5	14.4	16.4	17.9	19.3	20.8	22.3
	Running Torque	28751	27474	26835	26451	26196	26013	25876	25046	24381	23838	23384
	Starting Torque	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528
	Running Pressure	2298	2195	2144	2114	2093	2079	2068	2001	1948	1905	1869
	Flow Rate, GPM	7.4	9.3	11.2	13.1	15.1	17.1	19.0	20.9	22.8	24.8	26.7
HXT-615	OUTPUT HP(RUN)	5.3	8.0	10.7	13.4	16.0	18.7	21.4	24.0	26.7	29.4	32.1
	Running Torque	33671	33671	33671	33671	33671	33671	33671	33671	33671	33671	33671
	Starting Torque	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779
	Running Pressure	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
	Flow Rate, GPM	11.0	13.1	15.3	17.4	19.5	21.7	23.8	26.0	28.1	30.3	32.4
HXT-625	OUTPUT HP(RUN)	7.2	10.4	13.7	16.9	20.1	23.3	26.6	29.1	31.6	34.1	36.6
	Running Torque	45427	43830	43031	42552	42233	42004	41833	40699	39792	39050	38431
	Starting Torque	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094
	Running Pressure	2058	1985	1949	1927	1913	1903	1895	1843	1802	1769	1741
	Flow Rate, GPM	12.5	15.8	19.3	22.7	26.2	29.7	33.2	36.6	40.0	43.4	46.8
HXT-715	OUTPUT HP(RUN)	9.6	14.4	19.2	23.8	28.3	32.9	37.4	41.4	45.3	49.3	53.2
	Running Torque	60533	60533	60533	59918	59483	59173	58940	57937	57135	56478	55931
	Starting Torque	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132
	Running Pressure	2500	2500	2500	2475	2457	2444	2434	2393	2360	2333	2310
	Flow Rate, GPM	12.7	16.6	20.4	24.2	28.0	31.9	35.7	39.5	43.3	47.1	50.9
HXT-725	OUTPUT HP(RUN)	8.6	12.9	17.1	21.4	25.7	30.0	34.3	38.6	42.8	47.1	51.4
	Running Torque	54009	54009	54009	54009	54009	54009	54009	54009	54009	54009	54009
	Starting Torque	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975
	Running Pressure	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
	Flow Rate, GPM	13.6	17.0	20.4	23.9	27.3	30.7	34.2	37.6	41.1	44.5	47.9

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 12 - CLASS I SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725 (CONT'D)

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-515B	23.7	24.8	24.2	23.5	22.9	22.3	21.7	21.1	20.5	19.8	19.2	18.6	18.0			
	23001	22329	20336	18514	16980	15616	14396	13298	12305	11345	10522	9769	9076			
	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924			
	1700	1650	1503	1368	1255	1154	1064	983	909	838	778	722	671			
	32.5	34.6	36.3	38.1	40.0	41.8	43.8	45.7	47.7	49.6	51.6	53.6	55.6			
HXT-525B	23.7	24.8	24.2	23.5												
	23001	22329	20336	18514												
	29528	29528	29528	29528												
	1838	1784	1625	1479												
	28.7	30.6	32.3	34.1												
HXT-615	34.7	37.4	39.6	37.6	35.7	33.7	31.8	29.8	27.8	25.9	23.9	22.0	20.0			
	33671	33671	33277	29622	26471	23599	21097	18781	16687	14840	13098	11555	10084			
	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779			
	2500	2500	2471	2199	1965	1752	1566	1395	1239	1102	973	858	749			
	34.5	36.7	38.8	40.2	41.7	43.3	44.9	46.6	48.3	50.1	51.9	53.7	55.6			
HXT-625	39.1	41.5	39.6	37.6												
	37908	37365	33277	29622												
	52094	52094	52094	52094												
	1717	1692	1507	1342												
	50.3	53.7	56.7	59.8												
HXT-715	57.2	55.6	53.5	51.4	49.3	47.2	45.0	43.0	41.0	39.0	37.0	35.0				
	55468	50060	44958	40494	36555	33053	29854	27101	24610	22345	20278	18382				
	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132				
	2291	2067	1857	1672	1510	1365	1233	1119	1016	923	837	759				
	54.7	58.1	61.5	65.0	68.5	72.1	75.7	79.3	83.0	86.6	90.3	94.0				
HXT-725	55.7	55.6	53.5													
	54009	50060	44958													
	50975	50975	50975													
	2500	2317	2081													
	51.4	54.3	57.1													

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 13 - CLASS II SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT-425A

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-115	OUTPUT HP(RUN)	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.2
	Running Torque	2875	2697	2608	2555	2519	2494	2475	2426	2387	2355	2329
	Starting Torque	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	Running Pressure	1204	1129	1092	1070	1055	1044	1036	1016	1000	986	975
	Flow Rate, GPM	1.7	2.0	2.4	2.7	3.1	3.5	3.8	4.2	4.6	4.9	5.3
HXT-125	OUTPUT HP(RUN)	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.9	2.1	2.2
	Running Torque	2875	2697	2608	2555	2519	2494	2475	2426	2387	2355	2329
	Starting Torque	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868
	Running Pressure	1690	1585	1533	1501	1480	1465	1454	1426	1403	1384	1369
	Flow Rate, GPM	1.4	1.6	1.8	2.1	2.4	2.6	2.9	3.1	3.4	3.7	3.9
HXT-215	OUTPUT HP(RUN)	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4	3.7	4.0
	Running Torque	4387	4387	4387	4387	4387	4387	4387	4387	4336	4277	4228
	Starting Torque	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	Running Pressure	2000	2000	2000	2000	2000	2000	2000	2000	1976	1950	1927
	Flow Rate, GPM	2.2	2.6	2.9	3.3	3.6	4.0	4.3	4.7	5.0	5.3	5.7
HXT-225	OUTPUT HP(RUN)	0.8	1.2	1.5	1.8	2.2	2.5	2.9	3.1	3.4	3.7	4.0
	Running Torque	5175	4874	4723	4633	4573	4530	4498	4408	4336	4277	4228
	Starting Torque	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152
	Running Pressure	1418	1335	1294	1269	1253	1241	1232	1208	1188	1172	1158
	Flow Rate, GPM	2.2	2.8	3.3	3.9	4.4	5.0	5.6	6.2	6.7	7.3	7.9
HXT-315A	OUTPUT HP(RUN)	1.3	1.9	2.4	3.0	3.6	4.2	4.8	5.3	5.8	6.2	6.7
	Running Torque	7927	7781	7708	7664	7635	7614	7599	7413	7265	7144	7043
	Starting Torque	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190
	Running Pressure	1088	1068	1058	1052	1048	1045	1043	1018	997	981	967
	Flow Rate, GPM	4.0	5.1	6.2	7.4	8.5	9.7	10.8	12.0	13.1	14.2	15.4
HXT-325A	OUTPUT HP(RUN)	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.3	5.8	6.2	6.7
	Running Torque	7689	7689	7689	7664	7635	7614	7599	7413	7265	7144	7043
	Starting Torque	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479
	Running Pressure	2000	2000	2000	1994	1986	1981	1977	1928	1890	1858	1832
	Flow Rate, GPM	2.7	3.4	4.0	4.6	5.2	5.8	6.4	7.0	7.6	8.1	8.7
HXT-415A	OUTPUT HP(RUN)	1.9	2.8	3.6	4.5	5.4	6.2	7.1	7.9	8.6	9.4	10.2
	Running Torque	11911	11592	11432	11336	11272	11227	11192	11017	10876	10761	10665
	Starting Torque	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	Running Pressure	1608	1565	1543	1530	1522	1516	1511	1487	1468	1453	1440
	Flow Rate, GPM	4.8	5.9	7.0	8.2	9.4	10.5	11.7	12.8	14.0	15.2	16.3
HXT-425A	OUTPUT HP(RUN)	1.9	2.8	3.6	4.5	5.4	6.2	7.1	7.9	8.6	9.4	10.2
	Running Torque	11911	11592	11432	11336	11272	11227	11192	11017	10876	10761	10665
	Starting Torque	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164
	Running Pressure	998	971	958	950	944	941	938	923	911	902	894
	Flow Rate, GPM	5.3	7.2	9.0	10.9	12.8	14.7	16.6	18.5	20.4	22.3	24.1

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 13 - CLASS II SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT-425A

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-115	2.40	2.50	2.70	2.90	3.00	3.20	3.30	3.50	3.60	3.80	3.90	4.10	4.20	4.40	4.50	4.60
	2306	2287	2271	2256	2243	2232	2214	2197	2183	2169	2157	2146	2131	2117	2104	2092
	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	966	958	951	945	939	934	927	920	914	908	903	899	892	886	881	876
	5.7	6.1	6.4	6.8	7.2	7.6	7.9	8.3	8.7	9.1	9.4	9.8	10.2	10.6	10.9	11.3
HXT-125	2.4	2.5	2.7	2.9	3.0											
	2306	2287	2271	2256	2243											
	2868	2868	2868	2868	2868											
	1355	1344	1334	1326	1318											
	4.2	4.5	4.7	5.0	5.3											
HXT-215	4.3	4.6	4.9	5.2	5.5	5.8	6.0	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.2	8.4
	4186	4151	4120	4093	4069	4048	4010	3976	3945	3917	3891	3868	3847	3828	3810	3793
	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	1908	1892	1878	1866	1855	1845	1828	1812	1798	1786	1774	1763	1754	1745	1737	1729
	6.0	6.3	6.7	7.0	7.4	7.7	8.0	8.4	8.7	9.0	9.4	9.7	10.1	10.4	10.8	11.1
HXT-225	4.3	4.6	4.9	5.2	5.5											
	4186	4151	4120	4093	4069											
	6152	6152	6152	6152	6152											
	1147	1137	1129	1121	1115											
	8.4	9.0	9.6	10.2	10.7											
HXT-315A	7.2	7.6	8.1	8.6	9.1	9.5	9.9	10.2	10.6	10.9	11.3	11.6	11.9	12.3	12.6	12.9
	6957	6884	6820	6765	6716	6672	6552	6443	6345	6256	6174	6099	6022	5951	5885	5824
	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17078	16862	16663	16478	16306
	955	945	936	929	922	916	899	884	871	859	847	837	827	817	808	799
	16.5	17.7	18.8	20.0	21.1	22.2	23.4	24.5	25.7	26.8	27.9	29.1	30.2	31.4	32.5	33.7
HXT-325A	7.2	7.6	8.1	8.6	9.1											
	6957	6884	6820	6765	6716											
	6479	6479	6479	6479	6479											
	1810	1791	1774	1760	1747											
	9.3	9.9	10.5	11.1	11.7											
HXT-415A	10.9	11.7	12.4	13.2	14.0	14.7	15.4	16.1	16.7	17.4	18.0	18.7	19.2	19.0	18.5	18.0
	10584	10515	10455	10402	10355	10314	10211	10118	10034	9957	9887	9823	9693	9211	8637	8103
	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	1429	1419	1411	1404	1398	1392	1378	1366	1355	1344	1335	1326	1309	1244	1166	1094
	17.5	18.6	19.8	21.0	22.1	23.3	24.5	25.6	26.8	28.0	29.1	30.3	31.4	32.5	33.6	34.7
HXT-425A	10.9	11.7	12.4	13.2	14.0											
	10584	10515	10455	10402	10355											
	28164	28164	28164	28164	28164											
	887	881	876	871	868											
	26.0	27.9	29.8	31.7	33.6											

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 13 - CLASS II SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-515B	OUTPUT HP(RUN)	3.3	4.7	6.1	7.5	8.9	10.3	11.7	12.8	13.8	14.9	15.9
	Running Torque	20537	19624	19168	18894	18711	18581	18483	17890	17415	17027	16703
	Starting Torque	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924
	Running Pressure	1518	1450	1417	1396	1383	1373	1366	1322	1287	1258	1235
	Flow Rate, GPM	8.4	10.3	12.4	14.5	16.6	18.7	20.9	22.9	25.0	27.1	29.1
HXT-525B	OUTPUT HP(RUN)	3.3	4.7	6.1	7.5	8.9	10.3	11.7	12.8	13.8	14.9	15.9
	Running Torque	20537	19624	19168	18894	18711	18581	18483	17890	17415	17027	16703
	Starting Torque	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528
	Running Pressure	1641	1568	1532	1510	1495	1485	1477	1430	1392	1361	1335
	Flow Rate, GPM	6.4	8.3	10.3	12.2	14.2	16.2	18.2	20.1	22.0	24.0	25.9
HXT-615	OUTPUT HP(RUN)	5.1	7.5	9.8	12.1	14.4	16.7	19.0	20.8	22.5	24.3	26.1
	Running Torque	32448	31307	30737	30394	30166	30003	29881	29071	28423	27893	27451
	Starting Torque	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779
	Running Pressure	2409	2325	2282	2257	2240	2228	2219	2158	2110	2071	2038
	Flow Rate, GPM	10.7	12.6	14.7	16.7	18.8	21.0	23.1	25.1	27.1	29.1	31.2
HXT-625	OUTPUT HP(RUN)	5.1	7.5	9.8	12.1	14.4	16.7	19.0	20.8	22.5	24.3	26.1
	Running Torque	32448	31307	30737	30394	30166	30003	29881	29071	28423	27893	27451
	Starting Torque	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094
	Running Pressure	1470	1418	1392	1377	1366	1359	1353	1317	1287	1263	1243
	Flow Rate, GPM	11.0	14.3	17.8	21.3	24.7	28.2	31.7	35.1	38.6	42.0	45.5
HXT-715	OUTPUT HP(RUN)	7.2	10.5	13.7	17.0	20.2	23.5	26.7	29.5	32.4	35.2	38.0
	Running Torque	45591	44040	43264	42798	42488	42266	42100	41384	40811	40342	39951
	Starting Torque	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132
	Running Pressure	1883	1819	1787	1768	1755	1746	1739	1709	1685	1666	1650
	Flow Rate, GPM	11.5	15.2	19.0	22.8	26.6	30.5	34.3	38.1	41.9	45.7	49.5
HXT-725	OUTPUT HP(RUN)	7.2	10.5	13.7	17.0	20.2	23.5	26.7	29.5	32.4	35.2	38.0
	Running Torque	45591	44040	43264	42798	42488	42266	42100	41384	40811	40342	39951
	Starting Torque	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975
	Running Pressure	2110	2039	2003	1981	1967	1956	1949	1916	1889	1867	1849
	Flow Rate, GPM	12.5	15.8	19.1	22.5	25.9	29.3	32.7	36.1	39.4	42.8	46.2

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 13 - CLASS II SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725 (CONT'D)

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-515B	16.9	18.0	19.0	20.1	21.1	22.2	21.7	21.1	20.5	19.8	19.2	18.6	18.0			
	16429	16195	15991	15813	15656	15517	14396	13298	12305	11344	10522	9769	9076			
	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924			
	1214	1197	1182	1169	1157	1147	1064	983	909	838	778	722	671			
	31.2	33.3	35.5	37.6	39.7	41.8	43.8	45.7	47.7	49.6	51.6	53.6	55.6			
HXT-525B	16.9	18.0	19.0	20.1												
	16429	16195	15991	15813												
	29528	29528	29528	29528												
	1313	1294	1278	1264												
	27.9	29.8	31.8	33.8												
HXT-615	27.9	29.7	31.5	33.3	35.1	33.7	31.8	29.8	27.8	25.9	23.9	22.0	20.0			
	27077	26756	26479	26236	26021	23599	21097	18781	16687	14840	13098	11555	10084			
	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779			
	2010	1987	1966	1948	1932	1752	1566	1395	1239	1102	973	858	749			
	33.2	35.3	37.4	39.5	41.6	43.3	44.9	46.6	48.3	50.1	51.9	53.7	55.6			
HXT-625	27.9	29.7	31.5	33.3												
	27077	26756	26479	26236												
	52094	52094	52094	52094												
	1226	1212	1199	1188												
	49.0	52.4	55.9	59.4												
HXT-715	40.9	43.7	46.5	49.3	49.3	47.2	45.0	43.0	41.0	39.0	37.0	35.0				
	39620	39337	39091	38876	36555	33053	29854	27101	24610	22345	20278	18382				
	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132				
	1636	1625	1614	1606	1510	1365	1233	1119	1016	923	837	759				
	53.4	57.2	61.0	64.9	68.5	72.1	75.7	79.3	83.0	86.6	90.3	94.0				
HXT-725	40.9	43.7	46.5													
	39620	39337	39091													
	50975	50975	50975													
	1834	1821	1809													
	49.6	53.0	56.4													

Gearing Reference Guide

TORQUE-ARM II

TORQUE-ARM

MAXIMUM Concentric Reducer

TIGEAR-2

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 14 - CLASS III SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT-425A

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-115	OUTPUT HP(RUN)	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.4	1.6
	Running Torque	2013	1888	1826	1788	1763	1746	1732	1698	1671	1649	1630
	Starting Torque	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	Running Pressure	843	791	764	749	738	731	725	711	700	690	683
	Flow Rate, GPM	1.4	1.7	2.1	2.5	2.8	3.2	3.6	4.0	4.3	4.7	5.1
HXT-125	OUTPUT HP(RUN)	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.4	1.6
	Running Torque	2013	1888	1826	1788	1763	1746	1732	1698	1671	1649	1630
	Starting Torque	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868
	Running Pressure	1183	1110	1073	1051	1036	1026	1018	998	982	969	958
	Flow Rate, GPM	1.1	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.2	3.5	3.7
HXT-215	OUTPUT HP(RUN)	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.2	2.4	2.6	2.8
	Running Torque	3623	3412	3306	3243	3201	3171	3148	3085	3035	2994	2959
	Starting Torque	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	Running Pressure	1651	1555	1507	1478	1459	1445	1435	1406	1383	1365	1349
	Flow Rate, GPM	2.0	2.2	2.5	2.9	3.2	3.5	3.9	4.2	4.5	4.9	5.2
HXT-225	OUTPUT HP(RUN)	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.2	2.4	2.6	2.8
	Running Torque	3623	3412	3306	3243	3201	3171	3148	3085	3035	2994	2959
	Starting Torque	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152	6152
	Running Pressure	993	935	906	889	877	869	863	845	832	820	811
	Flow Rate, GPM	1.9	2.5	3.0	3.6	4.2	4.7	5.3	5.9	6.4	7.0	7.6
HXT-315A	OUTPUT HP(RUN)	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.7	4.0	4.4	4.7
	Running Torque	5549	5447	5396	5365	5345	5330	5319	5189	5086	5001	4930
	Starting Torque	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190
	Running Pressure	762	748	741	736	734	732	730	712	698	686	677
	Flow Rate, GPM	3.5	4.6	5.8	6.9	8.1	9.2	10.4	11.5	12.6	13.8	14.9
HXT-325A	OUTPUT HP(RUN)	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.7	4.0	4.4	4.7
	Running Torque	5549	5447	5396	5365	5345	5330	5319	5189	5086	5001	4930
	Starting Torque	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479	6479
	Running Pressure	1443	1417	1403	1396	1390	1386	1384	1350	1323	1301	1282
	Flow Rate, GPM	2.3	2.9	3.5	4.1	4.7	5.3	6.0	6.5	7.1	7.7	8.3
HXT-415A	OUTPUT HP(RUN)	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.5	6.0	6.6	7.1
	Running Torque	8338	8114	8002	7935	7891	7859	7835	7712	7613	7533	7466
	Starting Torque	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	Running Pressure	1126	1095	1080	1071	1065	1061	1058	1041	1028	1017	1008
	Flow Rate, GPM	4.1	5.2	6.3	7.5	8.7	9.8	11.0	12.2	13.3	14.5	15.7
HXT-425A	OUTPUT HP(RUN)	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.5	6.0	6.6	7.1
	Running Torque	8338	8114	8002	7935	7891	7859	7835	7712	7613	7533	7466
	Starting Torque	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164	28164
	Running Pressure	699	680	670	665	661	658	656	646	638	631	625
	Flow Rate, GPM	4.9	6.7	8.6	10.5	12.4	14.3	16.2	18.1	20.0	21.8	23.7

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 14 - CLASS III SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-115 - HXT-425A

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-115	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3
	1615	1601	1589	1579	1570	1562	1550	1538	1528	1519	1510	1502	1492	1482	1473	1464
	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025	4025
	676	670	666	661	657	654	649	644	640	636	632	629	625	620	617	613
	5.5	5.8	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.9	9.2	9.6	10.0	10.4	10.7	11.1
HXT-125	1.7	1.8	1.9	2.0	2.1											
	1615	1601	1589	1579	1570											
	2868	2868	2868	2868	2868											
	949	941	934	928	923											
	4.0	4.3	4.5	4.8	5.1											
HXT-215	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.3	5.5	5.7	5.9
	2930	2906	2884	2865	2848	2834	2807	2783	2762	2742	2724	2707	2693	2679	2667	2655
	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697	3697
	1336	1324	1315	1306	1298	1292	1280	1269	1259	1250	1242	1234	1228	1221	1216	1210
	5.6	5.9	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.6	9.0	9.3	9.7	10.0	10.4	10.7
HXT-225	3.0	3.2	3.4	3.6	3.8											
	2930	2906	2884	2865	2848											
	6152	6152	6152	6152	6152											
	803	796	790	785	780											
	8.2	8.7	9.3	9.9	10.5											
HXT-315A	5.0	5.4	5.7	6.0	6.3	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.4	8.6	8.8	9.1
	4870	4819	4774	4735	4701	4671	4586	4510	4441	4379	4322	4270	4216	4166	4119	4077
	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17190	17078	16862	16663	16478	16306
	668	661	655	650	645	641	630	619	610	601	593	586	579	572	565	560
	16.1	17.2	18.4	19.5	20.7	21.8	23.0	24.1	25.3	26.4	27.6	28.7	29.9	31.0	32.2	33.3
HXT-325A	5.0	5.4	5.7	6.0	6.3											
	4870	4819	4774	4735	4701											
	6479	6479	6479	6479	6479											
	1267	1253	1242	1232	1223											
	8.9	9.5	10.1	10.7	11.3											
HXT-415A	7.6	8.2	8.7	9.2	9.8	10.3	10.8	11.2	11.7	12.2	12.6	13.1	13.5	13.8	14.2	14.6
	7409	7360	7318	7281	7249	7220	7147	7082	7024	6970	6921	6876	6785	6701	6623	6551
	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479	17479
	1000	994	988	983	979	975	965	956	948	941	934	928	916	905	894	884
	16.8	18.0	19.2	20.3	21.5	22.7	23.9	25.0	26.2	27.4	28.5	29.7	30.9	32.0	33.2	34.3
HXT-425A	7.6	8.2	8.7	9.2	9.8											
	7409	7360	7318	7281	7249											
	28164	28164	28164	28164	28164											
	621	617	613	610	607											
	25.6	27.5	29.4	31.3	33.2											

Gearing Reference Guide

TORQUE-ARM II

TORQUE-ARM

MAXIMUM Concentric Reducer

TIGEAR-2

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



EASY SELECTIONS

HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 14 - CLASS III SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725

Reducer Size	Requirements ★	Output Speed										
		10	15	20	25	30	35	40	45	50	55	60
HXT-515B	OUTPUT HP(RUN)	2.3	3.3	4.3	5.2	6.2	7.2	8.2	8.9	9.7	10.4	11.1
	Running Torque	14376	13737	13417	13226	13098	13007	12938	12523	12191	11919	11692
	Starting Torque	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924
	Running Pressure	1063	1015	992	978	968	961	956	926	901	881	864
	Flow Rate, GPM	7.1	9.2	11.3	13.4	15.5	17.6	19.8	21.9	23.9	26.0	28.2
HXT-525B	OUTPUT HP(RUN)	2.3	3.3	4.3	5.2	6.2	7.2	8.2	8.9	9.7	10.4	11.1
	Running Torque	14376	13737	13417	13226	13098	13007	12938	12523	12191	11919	11692
	Starting Torque	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528	29528
	Running Pressure	1149	1098	1072	1057	1047	1039	1034	1001	974	952	934
	Flow Rate, GPM	5.7	7.6	9.6	11.5	13.5	15.5	17.5	19.4	21.4	23.3	25.3
HXT-615	OUTPUT HP(RUN)	3.6	5.2	6.8	8.4	10.1	11.7	13.3	14.5	15.8	17.0	18.3
	Running Torque	22714	21915	21516	21276	21116	21002	20917	20350	19896	19525	19216
	Starting Torque	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779
	Running Pressure	1686	1627	1598	1580	1568	1559	1553	1511	1477	1450	1427
	Flow Rate, GPM	8.8	10.8	12.8	14.9	17.1	19.2	21.3	23.3	25.4	27.5	29.5
HXT-625	OUTPUT HP(RUN)	3.6	5.2	6.8	8.4	10.1	11.7	13.3	14.5	15.8	17.0	18.3
	Running Torque	22714	21915	21516	21276	21116	21002	20917	20350	19896	19525	19216
	Starting Torque	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094	52094
	Running Pressure	1029	993	975	964	956	951	947	922	901	884	870
	Flow Rate, GPM	9.8	13.2	16.7	20.1	23.6	27.1	30.6	34.1	37.5	41.0	44.5
HXT-715	OUTPUT HP(RUN)	5.1	7.3	9.6	11.9	14.2	16.4	18.7	20.7	22.7	24.6	26.6
	Running Torque	31914	30828	30285	29959	29742	29587	29470	28969	28567	28239	27966
	Starting Torque	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132
	Running Pressure	1318	1273	1251	1237	1228	1222	1217	1196	1180	1166	1155
	Flow Rate, GPM	10.3	14.1	17.9	21.7	25.6	29.4	33.3	37.1	40.9	44.7	48.6
HXT-725	OUTPUT HP(RUN)	5.1	7.3	9.6	11.9	14.2	16.4	18.7	20.7	22.7	24.6	26.6
	Running Torque	31914	30828	30285	29959	29742	29587	29470	28969	28567	28239	27966
	Starting Torque	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975	50975
	Running Pressure	1477	1427	1402	1387	1377	1370	1364	1341	1322	1307	1294
	Flow Rate, GPM	10.8	14.1	17.5	20.9	24.3	27.7	31.2	34.5	37.9	41.3	44.7

★ See page G2-143 for definition of requirements.



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 14 - CLASS III SELECTION TABLE HXT REDUCERS - DOUBLE REDUCTION

HXT-515B - HXT-725

Reducer Size	Output Speed															
	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
HXT-515B	11.9	12.6	13.3	14.1	14.8	15.5	16.1	16.6	17.2	17.7	18.2	18.6	18.0			
	11501	11336	11194	11069	10959	10862	10653	10466	10296	10141	10000	9769	9076			
	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924	31924			
	850	838	827	818	810	803	787	774	761	750	739	722	671			
	30.3	32.4	34.5	36.6	38.8	40.9	43.0	45.1	47.3	49.4	51.5	53.6	55.6			
HXT-525B	11.9	12.6	13.3	14.1												
	11501	11336	11194	11069												
	29528	29528	29528	29528												
	919	906	895	885												
	27.3	29.2	31.2	33.2												
HXT-615	19.5	20.8	22.1	23.3	24.6	25.8	26.6	27.5	27.8	25.9	23.9	22.0	20.0			
	18954	18729	18535	18365	18215	18081	17680	17318	16687	14840	13098	11555	10084			
	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779	31779			
	1407	1391	1376	1364	1352	1343	1313	1286	1239	1102	973	858	749			
	31.6	33.7	35.8	37.9	40.1	42.2	44.2	46.3	48.3	50.1	51.9	53.7	55.6			
HXT-625	19.5	20.8	22.1	23.3												
	18954	18729	18535	18365												
	52094	52094	52094	52094												
	858	848	840	832												
	48.0	51.5	55.0	58.4												
HXT-715	28.6	30.6	32.6	34.5	36.5	38.5	40.2	41.9	41.0	39.0	37.0	35.0				
	27734	27536	27364	27213	27080	26962	26663	26394	24610	22345	20278	18382				
	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132	57132				
	1145	1137	1130	1124	1118	1114	1101	1090	1016	923	837	759				
	52.4	56.2	60.1	63.9	67.8	71.6	75.4	79.3	83.0	86.6	90.3	94.0				
HXT-725	28.6	30.6	32.6													
	27734	27536	27364													
	50975	50975	50975													
	1284	1275	1267													
	48.1	51.5	55.0													

Gearing Reference Guide

TORQUE-ARM II

TORQUE-ARM

MAXIMUM Concentric Reducer

TIGEAR-2

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------



EASY SELECTIONS

HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 15 - CLASS I SELECTION TABLE HXT REDUCERS - SINGLE REDUCTION

Reducer Size	Requirements ★	Output Speed															
		90	100	110	120	130	140	150	160	180	200	220	250	300	350	400	
HXT-105	OUTPUT HP(RUNNING)	3.9	4.2	4.4	4.7	5.0	5.2	5.5	5.7	6.2	6.7	6.9	7.1	7.6	7.9	8.3	
	Running Torque	2758	2641	2546	2467	2400	2342	2293	2249	2176	2118	1973	1799	1586	1424	1303	
	Starting Torque	5515	5283	5093	4934	4800	4685	4585	4498	4353	4237	3946	3598	3172	2848	2605	
	Running Pressure	982	940	907	878	854	834	816	801	775	754	702	640	565	507	464	
	Flow Rate, GPM	9.4	10.2	11.0	11.8	12.7	13.5	14.4	15.2	16.9	18.7	20.3	22.9	27.1	31.4	35.7	
HXT-205	OUTPUT HP(RUNNING)	6.8	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.5	10.1	10.5	11.1	12.0	12.9	13.8	
	Running Torque	4759	4475	4243	4049	3886	3745	3624	3517	3340	3198	3014	2793	2523	2322	2171	
	Starting Torque	6238	6238	6238	6238	6238	6238	6238	6238	6238	6238	6028	5586	5046	4644	4342	
	Running Pressure	1800	1693	1605	1532	1470	1417	1371	1330	1263	1210	1140	1056	954	878	821	
	Flow Rate, GPM	10.1	10.8	11.5	12.2	12.9	13.7	14.4	15.2	16.7	18.3	19.9	22.2	26.2	30.2	34.2	
HXT-305A	OUTPUT HP(RUNNING)	10.1	10.7	11.3	12.0	12.6	13.2	13.8	14.4	15.7	16.9	17.6	17.7	16.8	15.9	15.0	
	Running Torque	7074	6758	6499	6284	6102	5946	5810	5692	5495	5337	5056	4462	3529	2863	2363	
	Starting Torque	11851	11851	11851	11851	11851	11851	11621	11384	10989	10673	10112	9438	8614	7705	7024	
	Running Pressure	1408	1346	1294	1251	1215	1184	1157	1133	1094	1063	1007	888	703	570	471	
	Flow Rate, GPM	17.9	19.3	20.7	22.1	23.6	25.1	26.6	28.1	31.1	34.2	37.1	41.5	48.9	56.3	63.9	
HXT-405A	OUTPUT HP(RUNNING)	17.7	18.5	19.3	20.1	20.9	21.7	22.5	23.3	24.5	23.8	23.1	22.1	20.4	18.7	17.0	
	Running Torque	12387	11655	11056	10557	10135	9773	9459	9185	8578	7500	6618	5571	4286	3367	2679	
	Starting Torque	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	
	Running Pressure	2445	2300	2182	2083	2000	1929	1867	1813	1693	1480	1306	1099	846	665	529	
	Flow Rate, GPM	20.8	21.9	23.2	24.5	25.9	27.3	28.7	30.1	33.0	35.6	38.3	42.4	49.7	57.1	64.6	
HXT-505A	OUTPUT HP(RUNNING)	21.9	23.1	24.3	25.5	26.7	27.9	29.1	30.4	31.3	30.1	28.9	27.1	24.1	21.0	18.0	
	Running Torque	15321	14552	13923	13398	12954	12574	12244	11955	10959	9485	8279	6832	5063	3782	2836	
	Starting Torque	21713	21713	21713	21713	21713	21713	21713	21713	21713	21713	21529	20748	19794	18659	17808	
	Running Pressure	1665	1581	1513	1456	1408	1366	1331	1299	1191	1031	900	742	550	411	308	
	Flow Rate, GPM	29.2	31.9	34.6	37.3	40.1	42.9	45.7	48.5	54.0	59.5	64.9	73.2	87.20	101.3	115.4	

★ See page G2-143 for definition of requirements.



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 16 - CLASS II SELECTION TABLE - HXT REDUCERS - SINGE REDUCTION

Reducer Size	Requirements ★	Output Speed														
		90	100	110	120	130	140	150	160	180	200	220	250	300	350	400
HXT-105	OUTPUT HP(RUNNING)	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.4	4.8	4.9	5.1	5.4	5.6	5.9
	Running Torque	1970	1887	1819	1762	1714	1673	1638	1606	1555	1513	1409	1285	1133	1017	930
	Starting Torque	5515	5283	5093	4934	4800	4685	4585	4498	4353	4237	3946	3598	3172	2848	2605
	Running Pressure	701	672	648	627	610	596	583	572	553	539	502	457	403	362	331
	Flow Rate, GPM	8.9	9.8	10.6	11.5	12.3	13.2	14.0	14.9	16.6	18.3	20.0	22.6	26.9	31.2	35.5
HXT-205	OUTPUT HP(RUNNING)	4.9	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.8	7.2	7.5	7.9	8.6	9.2	9.8
	Running Torque	3399	3197	3031	2892	2775	2675	2588	2512	2386	2284	2153	1995	1802	1659	1551
	Starting Torque	6238	6238	6238	6238	6238	6238	6238	6238	6238	6238	6028	5586	5046	4644	4342
	Running Pressure	1286	1209	1146	1094	1050	1012	979	950	902	864	814	755	682	627	587
	Flow Rate, GPM	9.4	10.1	10.8	11.5	12.3	13.1	13.8	14.6	16.2	17.8	19.4	21.7	25.8	29.8	33.9
HXT-305A	OUTPUT HP(RUNNING)	7.2	7.7	8.1	8.5	9.0	9.4	9.9	10.3	11.2	12.1	12.6	13.4	14.6	15.3	15.0
	Running Torque	5053	4827	4642	4489	4358	4247	4150	4066	3925	3812	3611	3371	3076	2752	2363
	Starting Torque	11851	11851	11851	11851	11851	11851	11621	11384	10989	10673	10112	9438	8614	7705	7024
	Running Pressure	1006	961	924	894	868	846	826	810	781	759	719	671	613	548	471
	Flow Rate, GPM	16.8	18.2	19.7	21.2	22.7	24.2	25.7	27.2	30.3	33.4	36.4	40.9	48.6	56.3	63.9
HXT-405A	OUTPUT HP(RUNNING)	12.6	13.2	13.8	14.4	14.9	15.5	16.1	16.7	17.8	19.0	20.2	22.0	20.4	18.7	17.0
	Running Torque	8848	8325	7897	7541	7239	6981	6757	6561	6234	5973	5776	5541	4286	3367	2679
	Starting Torque	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956
	Running Pressure	1746	1643	1559	1488	1429	1378	1333	1295	1230	1179	1140	1093	846	665	529
	Flow Rate, GPM	18.9	20.2	21.5	22.9	24.4	25.8	27.3	28.7	31.7	34.8	37.8	42.4	49.7	57.1	64.6
HXT-505A	OUTPUT HP(RUNNING)	15.6	16.5	17.4	18.2	19.1	20.0	20.8	21.7	23.4	25.1	26.8	27.1	24.1	21.0	18.0
	Running Torque	10944	10394	9945	9570	9253	8981	8746	8540	8196	7921	7689	6832	5063	3782	2836
	Starting Torque	21713	21713	21713	21713	21713	21713	21713	21713	21713	21713	21529	20748	19794	18659	17808
	Running Pressure	1189	1130	1081	1040	1006	976	950	928	891	861	836	742	550	411	308
	Flow Rate, GPM	28.2	31.0	33.7	36.5	39.3	42.1	44.9	47.8	53.4	59.1	64.8	73.2	87.2	101.3	115.4

★ See page G2-143 for definition of requirements.

FEATURES/BENEFITS PAGE G2-3	NOMENCLATURE PAGE G2-11	SELECTION/DIMENSIONS PAGE G2-144	RELATED PRODUCTS PAGE G2-152
--------------------------------	----------------------------	-------------------------------------	---------------------------------

EASY SELECTIONS



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

TABLE 17 - CLASS III SELECTION TABLE HXT REDUCERS - SINGLE REDUCTION

Reducer Size	Requirements ★	Output Speed														
		90	100	110	120	130	140	150	160	180	200	220	250	300	350	400
HXT-105	OUTPUT HP(RUNNING)	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.1	3.4	3.4	3.6	3.8	4.0	4.1
	Running Torque	1379	1321	1273	1234	1200	1171	1146	1125	1088	1059	987	899	793	712	651
	Starting Torque	5515	5283	5093	4934	4800	4685	4585	4498	4353	4237	3946	3598	3172	2848	2605
	Running Pressure	491	470	453	439	427	417	408	400	387	377	351	320	282	254	232
	Flow Rate, GPM	8.6	9.5	10.3	11.2	12.0	12.9	13.8	14.6	16.4	18.1	19.8	22.4	26.7	31.0	35.4
HXT-205	OUTPUT HP(RUNNING)	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.8	5.1	5.3	5.5	6.0	6.4	6.9
	Running Torque	2380	2238	2121	2025	1943	1873	1812	1759	1670	1599	1507	1397	1262	1161	1086
	Starting Torque	6238	6238	6238	6238	6238	6238	6238	6238	6238	6238	6028	5586	5046	4644	4342
	Running Pressure	900	846	802	766	735	708	685	665	632	605	570	528	477	439	411
	Flow Rate, GPM	8.8	9.5	10.3	11.0	11.8	12.6	13.4	14.2	15.8	17.4	19.0	21.4	25.5	29.5	33.6
HXT-305A	OUTPUT HP(RUNNING)	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.8	8.5	8.8	9.4	10.3	10.7	11.1
	Running Torque	3537	3379	3250	3142	3051	2973	2905	2846	2747	2668	2528	2359	2153	1926	1756
	Starting Torque	11851	11851	11851	11851	11851	11851	11621	11384	10989	10673	10112	9438	8614	7705	7024
	Running Pressure	704	673	647	626	607	592	578	567	547	531	503	470	429	384	350
	Flow Rate, GPM	16.0	17.5	19.0	20.5	22.0	23.5	25.0	26.6	29.7	32.7	35.8	40.4	48.1	55.8	63.6
HXT-405A	OUTPUT HP(RUNNING)	8.8	9.2	9.6	10.1	10.5	10.9	11.3	11.7	12.5	13.3	14.1	15.4	17.5	18.7	17.0
	Running Torque	6194	5828	5528	5279	5068	4887	4730	4592	4364	4181	4043	3879	3677	3367	2679
	Starting Torque	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956	11956
	Running Pressure	1222	1150	1091	1042	1000	964	933	906	861	825	798	765	726	665	529
	Flow Rate, GPM	17.5	18.9	20.3	21.7	23.2	24.7	26.2	27.7	30.7	33.8	36.9	41.5	49.3	57.1	64.6
HXT-505A	OUTPUT HP(RUNNING)	10.9	11.5	12.1	12.8	13.4	14.0	14.6	15.2	16.4	17.6	18.8	20.6	23.6	21.0	18.0
	Running Torque	7661	7276	6961	6699	6477	6287	6122	5978	5737	5545	5382	5187	4948	3782	2836
	Starting Torque	21713	21713	21713	21713	21713	21713	21713	21713	21713	21713	21529	20748	19794	18659	17808
	Running Pressure	832	791	756	728	704	683	665	650	623	603	585	564	538	411	308
	Flow Rate, GPM	27.5	30.3	33.1	35.9	38.7	41.5	44.4	47.2	52.9	58.6	64.3	72.9	87.2	101.3	115.4

★ See page G2-143 for definition of requirements.



HYDROIL TORQUE-ARM Shaft Mount Speed Reducers

★ **Requirements:**

Output HP-Horsepower rating of the reducer/motor under continuous operation after load has been started.

Running Torque-Continuous output torque rating of reducer/motor (in.-lbs.)

Starting Torque-Momentary output torque available for starting (in.-lbs.)

Running Pressure-Motor pressure required to generate running torque. This will start loads not to exceed 75% of the running load. For greater starting requirements, motor pressure may be increased-see table 18. (PSI)

Flow Rate-Flow required for given output RPM. With oil viscosity of 300SUS @ 100°F. for A10 and A20 motors, and 200SUS @ 100°F. for B30, B40 and B50 motors.

Table 18 - Maximum Hydraulic Motor Pressures Available for Starting

Double Reduction	Single Reduction	Maximum Hydraulic Pressure
---	HXT105	2500 psi
---	HXT205	
HXT315A	HXT305A	
HXT415A, 425A	HXT405A	
HXT515B, 525B	HXT505A	
HXT615, 625	---	
HXT715, 725	---	2000 psi
HXT115, 125	---	
HXT215, 225	---	
HXT325A	---	