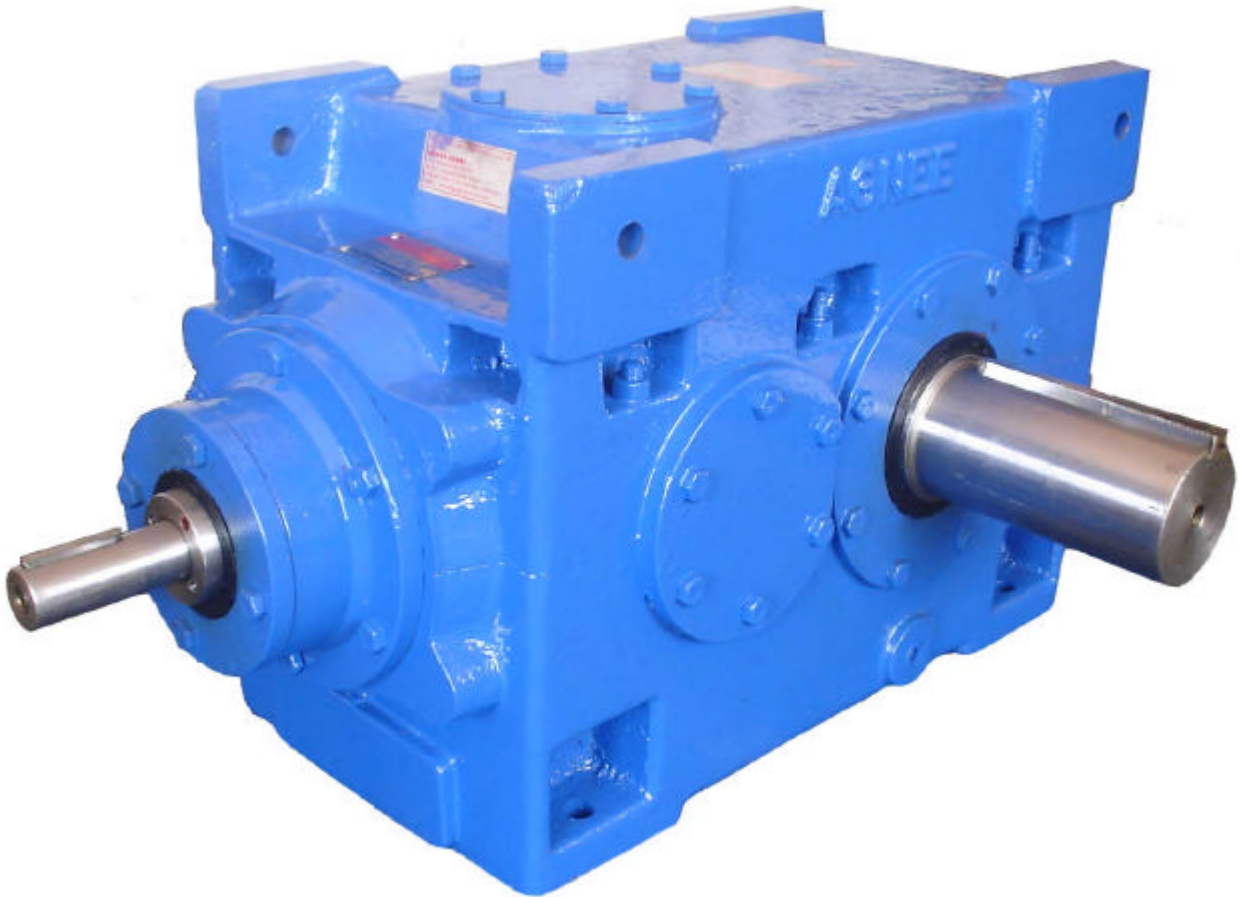




AGNEE HELICAL & BEVEL HELICAL GEAR BOX





CAPACITY DETAILS

TYPE H1														
SINGLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW														
MECHANICAL CAPACITIES (kW)														
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size											
			140	160	180	200	225	250	280	315	355	400	450	500
1.22	1500	1230	294	424	512	921	1107	4852	2266	3145	3807*	5514*	-	-
	1000	820	194	284	340	615	739	1229	1510	2094	2667	3427	5510	5765
	750	615	150	216	257	460	577	924	1138	1572	2172	2793	4490	4354
1.35	1500	1111	276	407	512	921	1097	1831	2245	3114	3776	5472*	-	-
	1000	740	187	278	340	615	732	1219	1500	2073	2594	3420	5365	5765
	750	556	142	211	257	460	563	916	1128	1562	2121	2731	4376	4354
1.50	1500	1000	259	380	491	866	1086	1707	2224	3093	3745	5431*	-	-
	1000	667	180	271	350	611	726	1208	1490	2063	2500	3390	5219	5765
	750	500	136	204	260	458	547	905	1117	1541	2007	2710	4262	4354
1.66	1500	904	251	343	455	810	1076	1603	2193	3052	3703	5234	-	-
	1000	602	178	242	324	588	716	1188	1469	2042	2469	3360	4979	5765
	750	452	141	193	259	441	537	894	1097	1531	1893	2679	4003	4354
1.84	1500	815	236	333	436	754	997	1552	2059	2969	3414	4883	-	-
	1000	543	185	236	309	550	704	1156	1448	2010	2448	3300	4927	5765
	750	408	152	186	244	413	529	870	1086	1510	1841	2648	3755	4354
2.03	1500	739	220	313	416	724	927	1448	1934	2752	3300	4728	-	-
	1000	493	173	217	287	534	695	1094	1375	1900	2417	3220	4865	5503
	750	369	142	175	234	401	521	838	1034	1440	1810	2617	3652	4522
2.25	1500	667	204	300	394	670	866	1334	1810	2534	3072	4366	-	-
	1000	444	141	208	270	495	679	1009	1271	1750	2313	3120	4781	5143
	750	333	113	165	217	370	510	775	962	1320	1779	2472	3579	4226
2.49	1500	602	191	277	378	616	815	1231	1676	2200	2845	4003	-	-
	1000	402	133	192	261	465	672	903	1167	1520	2146	3021	4625	4709
	750	301	104	150	207	379	506	681	881	1150	1748	2320	3507	3896

Nominal ratios are shown. Interpolate for other input speeds.
A case baffle is fitted where rating is shown in color. * forced lubrication is necessary.

THERMAL CAPACITIES (KW)														
Nominal Ratio	Input Speed rpm	Unit Size												
		140	160	180	200	225	250	280	315	355	400	450	500	
Units without Fan														
1.22 to 1.84	1500	48.5	64.7	82.8	197	304	376	571	702	1190	1453	-	-	-
	1000	49.8	65.8	84.7	202	316	397	601	808	1277	1610	2175	1470	-
	750	50.9	67.8	86.7	208	328	414	632	777	1197	1587	2357	1440	-
2.03 to 3.05	1500	37.5	50.3	64.2	152	235	309	494	634	988	1259	-	-	-
	1000	41.7	55.6	71.4	170	250	325	486	616	925	1214	1937	1280	-
	750	43.8	58.7	75.6	180	254	325	482	612	922	1187	1822	1200	-
3.38 to 5.06	1500	35.7	48.5	62.3	130	193	229	324	442	670	914	-	-	-
	1000	37.8	51.8	67.6	158	213	244	329	437	663	896	1236	830	-
	750	39.8	53.8	69.8	158	220	252	331	427	641	868	1202	800	-
Units with Fan Cooling														
1.22 to 1.84	1500	185	252	330	490	770	928	1351	1616	2520	3203	-	-	-
	1000	134	183	239	411	645	779	1133	1357	2116	2687	2250	2810	-
	750	110	150	196	371	584	704	1024	1226	1912	2430	2070	2630	-
2.03 to 3.05	1500	134	182	239	331	520	627	913	1093	1703	2202	-	-	-
	1000	99.0	135	176	278	437	526	766	917	1430	1816	1970	2460	-
	750	82.6	113	148	252	394	475	692	829	1292	1641	1710	2150	-
3.38 to 5.06	1500	99.0	135	177	277	437	526	766	918	1431	1849	-	-	-
	1000	81.4	111	145	233	367	442	643	771	1201	1525	1320	1690	-
	750	72.9	99.0	130	210	332	399	581	696	1086	1379	1100	1410	-

Full Load Efficiency - 98.5% (approx.)



CAPACITY DETAILS

TYPE H1														
SINGLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW														
MECHANICAL CAPACITIES (kW)														
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size											
			140	160	180	200	225	250	280	315	355	400	450	500
2.76	1500	543	173	250	358	587	764	1076	1521	1976	2617	3838	-	-
	1000	362	122	176	247	443	578	723	1027	1333	1979	2800	4250	4332
	750	272	96.0	140	197	348	436	545	774	1007	1614	2160	3217	3559
3.05	1500	492	164	232	301	532	719	880	1334	1800	2390	3466	-	-
	1000	328	112	161	207	400	544	670	896	1180	1802	2550	4031	4014
	750	246	89.0	127	161	304	414	500	674	900	1469	1980	3041	3298
3.38	1500	444	145	213	286	502	620	740	1200	1552	2276	3300	-	-
	1000	296	103	151	203	324	468	615	876	1042	1719	2300	3625	3720
	750	222	78.0	114	155	246	356	468	660	785	1314	1750	2731	3057
3.73	1500	402	128	187	275	391	530	720	1080	1400	2048	2928	-	-
	1000	268	91.0	131	192	254	386	543	743	1083	1500	1979	3094	3517
	750	201	69.2	101	147	193	294	413	564	701	1138	1531	2328	2889
4.13	1500	363	108	167	237	338	442	636	969	1293	1934	2762	-	-
	1000	242	75.6	117	164	219	286	411	626	833	1281	1781	2740	3310
	750	182	56.8	88.1	124	167	217	313	476	633	972	1355	2079	2785
4.57	1500	328	98.3	147	214	269	437	511	767	1055	1583	2234	-	-
	1000	219	75.6	102	149	175	282	335	501	690	1022	1448	2281	3026
	750	164	53.2	79.6	115	130	215	251	377	515	776	1097	1728	2487
5.06	1500	296	82.8	129	177	229	318	433	590	870	1221	1893	-	-
	1000	198	57.9	89.5	122	148	205	283	389	563	798	1219	1698	2763
	750	148	43.1	67.6	91.7	113	156	213	290	427	598	926	1283	2270

Nominal ratios are shown. Interpolate for other input speeds.
A case baffle is fitted where rating is shown in color.

THERMAL CAPACITIES (kW)														
Nominal Ratio	Input Speed rpm	Unit Size												
		140	160	180	200	225	250	280	315	355	400	450	500	
Units with Cooling Coils +														
1.22 to 1.84	1500	201	250	304	365	486	1680	1920	3120	3530	4370	-	-	-
	1000	187	232	282	335	443	1540	1860	3200	3610	4500	5050	5700	-
	750	179	223	270	322	430	1470	1800	3190	3600	4520	5140	5620	-
2.03 to 3.05	1500	146	182	220	262	347	1270	1530	2820	3120	3880	-	-	-
	1000	140	172	208	248	332	1180	1400	2690	3080	3950	4500	5010	-
	750	132	166	200	238	316	1110	1330	2530	3010	3940	4510	5010	-
3.38 to 5.06	1500	113	140	169	202	245	840	985	2025	2410	3340	-	-	-
	1000	114	142	171	204	240	763	900	1840	2210	3170	3460	3900	-
	750	115	143	173	206	241	709	840	1710	2080	2980	3290	3710	-
Units with Fan Cooling and Cooling Coils +														
1.22 to 1.84	1500	401	497	601	714	995	2310	2680	3970	4620	5580	-	-	-
	1000	314	390	472	560	770	1990	2450	3800	4390	5370	6190	6980	-
	750	270	336	408	483	665	1790	2250	3670	4200	5200	6040	6810	-
2.03 to 3.05	1500	288	359	434	515	710	1790	2220	3580	4060	4900	-	-	-
	1000	232	284	343	408	565	1510	1860	3240	3760	4690	5450	6150	-
	750	196	244	295	351	484	1340	1650	2960	3550	4530	5240	5910	-
3.38 to 5.06	1500	207	257	311	370	487	1175	1415	2600	3210	4280	-	-	-
	1000	172	213	258	308	386	975	1190	2230	2740	3850	4250	4800	-
	750	159	198	239	285	344	861	1040	1980	2460	3480	3900	4400	-

Full Load Efficiency - 98.5% (approx.)
+ Based on cooling water temperature 20 degree Celsius.



CAPACITY DETAILS

TYPE H2-H2S-H2SF																	
DOUBLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW																	
MECHANICAL CAPACITIES (kW)																	
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size														
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
5.6	1500	268	82.1	124	156	213	310	383	677	905	1148	1428	2328*	3630	4630	-	-
	1000	179	55.1	82.7	104	142	207	274	452	605	766	1073	1635	2050	3290	4290	6290
	750	134	41.3	62.1	78.1	107	156	223	339	455	575	872	1334	1890	2720	3290	5450
6.2	1500	242	76.6	117	148	199	283	420	618	822	1055	1314	2131*	2970	4420	-	-
	1000	161	51.0	78.0	98.6	132	190	314	413	550	722	993	1479	1880	3000	3980	-
	750	121	38.3	58.6	74.0	99.4	142	235	310	422	589	810	1210	1740	2490	3050	-
6.86	1500	219	76.6	117	148	199	273	400	592	785	991	1314	2007*	2700	4010	-	-
	1000	146	51.0	78.0	98.6	132	182	300	395	525	722	993	1479	1860	2720	3770	-
	750	109	38.3	58.6	74.0	99.4	140	224	299	422	589	810	1210	1700	2180	2860	-
7.59	1500	198	76.6	108	143	189	248	381	539	730	896	1241	1831*	2640	3700	-	-
	1000	132	51.0	74.8	99.1	126	166	270	360	498	652	933	1385	1800	2520	3720	-
	750	98.8	38.3	53.8	71.4	94.7	127	204	272	407	533	762	108626	1650	2120	2820	-
8.4	1500	179	66.3	97.6	131	177	247	333	498	622	913	1138	1676*	2610	3680	-	-
	1000	119	44.2	65.1	87.6	120	181	260	365	468	667	871	1323	1760	2550	3080	-
	750	89.3	33.1	48.8	65.7	97.4	140	202	287	380	544	714	1107	1610	2180	2450	-
9.3	1500	161	62.2	91.4	119	162	226	323	458	601	834	1045	1609	2600	3620	-	-
	1000	108	41.5	60.9	79.3	113	155	247	333	439	621	799	1198	1740	2470	3060	-
	750	80.7	31.0	45.7	59.5	89.9	127	187	261	350	503	669	1010	1460	2130	2440	-
10.3	1500	146	53.9	83.1	113	151	212	293	394	529	707	917	1379	2450	3120	-	-
	1000	97.1	35.9	55.4	75.2	101	149	235	307	420	531	719	1083	1700	2350	3140	-
	750	72.8	27.0	41.6	56.4	80.0	117	180	231	321	400	604	910	1360	2020	2450	-
11.4	1500	132	50.6	73.2	105	137	187	280	408	519	684	881	1376	2200	2870	REFER	-
	1000	87.7	33.8	48.9	69.7	97.4	133	204	283	376	524	694	1063	1480	2040	TO	-
	750	65.8	25.3	36.6	52.2	76.1	101	155	212	282	407	579	860	1140	1700	AGNEE	-

For capacities higher than above - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds. A case baffle is fitted where rating is shown in color. * Forced lubrication system required for Vertical Units.

THERMAL CAPACITIES (kW)																	
Nominal Ratio	Input Speed rpm	Unit Size															
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	
Units without Fan Cooling (Horizontal)																	
5.60 to 11.4	1500	28.8	35.8	45.7	82	102	125	160	220	300	388	480	495	615	-	-	-
	1000	27.2	34.2	44.2	82	100	121	156	220	300	388	480	490	610	760	990	-
	750	27.0	33.1	43.1	76	96	115	150	203	278	359	444	480	600	750	970	-
12.6 to 25.6	1500	27.8	33.8	43.6	77	97	120	156	196	250	324	382	475	595	-	-	-
	1000	27.1	32.2	42.2	81	97	115	151	193	250	324	382	470	590	730	960	-
	750	26.1	31.1	41.1	76	82	111	148	185	232	299	353	460	580	720	950	-
Units with Fan Cooling (Horizontal)																	
5.60 to 11.4	1500	76.5	95.7	127	153	186	254	352	460	699	986	1323	1080	1350	-	-	-
	1000	65.1	81.2	108	130	169	205	284	370	563	795	1245	860	1070	1650	1980	-
	750	57.7	72.0	96.2	116	149	197	272	355	540	762	1043	740	920	1450	1820	-
12.6 to 25.6	1500	71.7	95.7	119	143	180	217	280	365	555	782	1017	1040	1300	-	-	-
	1000	60.9	75.1	102	122	150	186	247	319	447	630	956	830	1040	1250	1470	-
	750	52.0	64.2	85.7	104	131	171	219	279	427	605	800	720	900	1090	1300	-

Full Load Efficiency - 98% (approx.)



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE H2-H2S-H2SF

DOUBLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW

MECHANICAL CAPACITIES (kW)

Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm															
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
12.6	1500	119	43.5	64.5	92.5	123	171	264	367	468	639	804	1252	1900	2680		
	1000	79.4	29.1	43.0	61.5	86.9	125	177	253	339	496	632	950	1255	1810		
	750	59.5	21.8	32.8	46.1	64.7	94.0	137	188	256	379	527	756	980	1615		
14.0	1500	107	40.2	52.7	84.0	112	160	243	322	443	598	734	1097	1800	2520		
	1000	71.4	26.9	35.1	56.0	79.0	116	171	229	311	400	572	861	1250	1770		
	750	53.6	20.2	26.4	42.0	61.9	90.4	130	175	246	301	473	723	935	1330		
15.4	1500	97.4	35.1	51.3	77.7	92.9	140	200	265	393	511	692	1045	1600	2260		
	1000	64.9	23.8	34.5	51.7	61.1	82.7	129	175	264	335	501	690	1060	1540		
	750	48.7	17.6	25.7	38.9	45.7	69.2	98.6	130	198	251	372	515	830	1240		
17.1	1500	87.7	32.2	47.5	68.3	91.7	133	200	266	395	487	628	968	1480	2080		
	1000	58.5	21.5	31.7	45.5	61.1	82.7	129	175	264	326	494	691	980	1390		
	750	39.7	16.1	23.8	34.1	45.7	66.8	98.6	130	198	245	372	513	760	1060		
18.9	1500	79.4	28.7	42.8	61.5	72.2	108	152	218	310	433	590	870	1340	1900		
	1000	52.9	19.1	28.5	41.0	47.6	70.6	100	144	204	283	389	563	900	1280		
	750	39.7	14.4	21.4	30.7	35.5	53.0	74.5	107	152	213	290	427	730	1020		
20.9	1500	71.8	24.8	39.8	54.1	65.2	87.8	126	186	253	357	501	739	1230	1840		
	1000	47.8	16.6	26.6	36.0	46.5	61.0	87.5	132	181	252	334	540	830	1230		
	750	35.9	12.4	19.9	27.0	36.1	45.8	65.7	103	142	189	252	422	700	970		
23.2	1500	64.7	22.3	33.0	48.7	59.7	80.2	114	170	235	328	452	700				
	1000	43.1	14.9	22.0	32.5	42.5	54.7	77.0	121	167	227	303	499				
	750	32.3	11.2	16.5	24.4	32.6	41.1	57.8	94.8	130	171	228	391				
25.6	1500	58.6	17.4	26.6	37.1	49.0	69.7	95.4	132	185	271	397	565				
	1000	39.1	11.6	17.4	24.8	34.9	49.7	67.9	94.2	132	193	282	402				
	750	29.3	8.7	13.0	20.4	27.3	38.9	53.2	73.8	103	151	221	314				

For capacities higher than above - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds.

THERMAL CAPACITIES (kW)

Nominal Ratio	Input Speed rpm															
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units with Cooling coils (Horizontal)																
5.60 to 11.4	1500	130	139	157	170	192	435	490	1040	1210	1770	2010	2320	3040	-	-
	1000	129	139	155	168	188	403	447	940	1110	1620	1860	2190	2860	3320	4070
	750	127	136	152	165	185	385	422	877	1030	1510	1740	2040	2680	3070	3740
12.6 to 25.6	1500	116	123	140	150	177	323	358	701	824	1200	1340	1590	2270	-	-
	1000	116	122	138	147	174	325	353	647	749	1080	1210	1480	2140	2430	3100
	750	113	120	135	145	170	326	354	627	705	1000	1110	1400	2010	2240	2850
Units with Fan and cooling coils (Horizontal)																
5.60 to 11.4	1500	222	238	265	286	318	592	695	1330	1610	2280	2660	3080	3990	-	-
	1000	207	221	246	266	295	500	573	1120	1360	1940	2280	2790	3610	4470	5460
	750	200	213	224	257	282	453	510	1000	1200	1740	2030	2560	3330	4080	5010
12.6 to 25.6	1500	191	204	228	246	271	417	484	882	1070	1540	1750	2320	3180	-	-
	1000	182	194	216	233	259	388	435	760	900	1290	1450	2060	2870	3310	4130
	750	172	184	205	222	251	374	415	705	813	1140	1290	1910	2640	3000	3760

Full Load Efficiency - 98% (approx.)
 + Based on cooling water temperature 20 degree Celsius.
 Cooling coil not available for vertical units.



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE H3-H3S-H3SF

TRIPLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW

MECHANICAL CAPACITIES (KW)

Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size													
			140	160	180	200	225	250	280	315	355	400	450	500	560	630
20.9	1500	71.8	TYPES H2-H2S-H3SF											1080	1420	1910
	1000	47.8												810	1070	1390
	750	35.9												660	890	1130
23.2	1500	64.7												1090	1570	2060
	1000	43.1												820	1140	1430
	750	32.4												650	860	1240
25.6	1500	58.6	22.1	34.1	49.8	63.8	86.9	125	192	260	336	513	707	1076	1417	1914
	1000	39.1	14.8	22.8	33.2	48.1	63.0	93.5	128	174	248	368	513	782	1035	1354
	750	29.3	11.1	17.1	24.9	37.8	47.3	76.2	96.3	130	186	276	386	589	780	1127
28.4	1500	52.8	20.9	29.8	45.4	62.3	84.0	123	173	229	330	482	702	1055	1407	1800
	1000	35.2	14.0	19.9	30.3	44.5	58.2	85.0	116	152	221	330	471	705	940	1208
	750	26.4	10.5	14.9	22.8	33.8	43.7	69.3	86.9	115	166	248	354	530	708	910
31.4	1500	47.8	17.1	26.5	41.2	53.1	74.5	109	157	210	295	426	611	966	1272	1655
	1000	31.8	11.5	17.7	27.5	40.0	51.5	82.2	105	141	203	297	415	648	852	1114
	750	23.9	8.60	13.2	20.6	30.4	38.6	64.8	78.6	106	152	223	311	488	641	838
34.7	1500	43.2	16.7	24.5	38.1	49.4	69.7	102	140	189	278	406	568	852	1127	1479
	1000	28.8	11.1	16.4	25.4	35.3	46.6	71.6	93.4	126	186	272	383	571	756	989
	750	21.6	8.30	12.2	19.0	27.7	35.0	56.2	70.0	95.0	140	204	288	429	569	745
38.4	1500	39.1	14.8	22.4	33.5	48.5	63.0	93.9	128	170	245	367	509	793	1034	1345
	1000	26.0	9.91	14.9	22.3	33.4	42.0	69.7	85.6	114	164	246	341	531	697	900
	750	19.5	7.42	11.2	16.8	25.1	31.6	52.2	64.2	85.0	123	185	256	399	524	677
42.5	1500	35.3	13.2	20.0	30.8	41.2	57.0	85.4	114	153	228	329	462	705	928	1210
	1000	23.5	8.89	13.3	20.6	29.4	38.0	60.9	76.3	102	152	220	309	472	622	812
	750	17.6	6.66	10.0	15.4	22.4	28.6	47.1	57.2	76.7	115	166	233	355	467	611
47.1	1500	31.8	12.5	18.4	26.7	36.9	58.0	84.1	111	153	200	283	423	649	905	REFER TO AGNEE
	1000	21.2	8.35	13.3	20.6	24.6	39.0	58.0	73.5	102	133	190	283	434	606	
	750	15.9	6.26	9.21	13.3	18.4	29.3	43.6	55.1	76.7	100	142	213	327	455	
52.1	1500	28.8	11.0	16.7	23.8	33.3	54.3	76.3	99.8	139	178	256	393	579	822	
	1000	19.2	7.38	11.1	15.9	22.2	36.3	51.9	66.6	92.3	119	171	264	387	551	
	750	14.4	5.51	8.33	11.9	16.7	27.2	38.9	50.0	69.2	89.1	128	198	291	414	

For higher SIZES - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds.

THERMAL CAPACITIES (KW)

Nominal Ratio	Input Speed rpm	Unit Size														
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units without Fan (Horizontal)																
25.6 to 42.5	1500	25.2	33.3	42.3	50	63	75	95	121	151	188	238	340	425	550	685
	1000	23.2	30.3	38.4	46	59	69	91	116	145	180	229	330	415	535	665
47.1 to 130	1500	21.2	28.2	36.2	43	56	67	88	112	141	173	224	320	405	520	650
	1000	22.2	29.0	37.2	31	38	48	59	77	95	121	151	320	405	530	670
130	1000	20.2	27.2	34.3	22	27	35	42	56	67	87	108	315	400	520	660
	750	19.1	25.2	32.2	18	22	28	34	44	54	70	87	310	395	510	645
Units with Fan Cooling (Horizontal)																
25.6 to 42.5	1500	-	-	-	72	90	108	136	174	215	268	340	720	930	1200	1520
	1000	-	-	-	66	84	99	130	166	207	257	328	650	850	1100	1410
47.1 to 70.6	1500	-	-	-	60	80	96	126	160	201	248	320	590	800	1010	1300
	1000	-	-	-	51	57	74	89	114	145	186	260	720	930	1200	1520
70.6	1000	-	-	-	40	44	57	70	89	114	146	204	650	850	1100	1410
	750	-	-	-	35	38	50	60	77	98	126	175	590	800	1010	1300



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE H3-H3S-H3SF																
TRIPLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW																
MECHANICAL CAPACITIES (KW)																
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size													
			140	160	180	200	225	250	280	315	355	400	450	500	560	630
57.7	1500	26.0	9.91	15.7	21.2	30.9	49.4	70.6	92.1	129	159	240	347	538	751	REFER TO AGNEE
	1000	17.3	6.59	10.5	14.2	20.6	32.9	47.2	61.5	85.9	106	160	231	359	503	
	750	13.0	4.95	7.93	10.6	15.5	24.7	35.4	46.0	64.4	80.0	120	174	270	377	
63.8	1500	23.5	8.31	13.6	17.7	27.6	44.7	63.9	82.0	116	149	215	314	478	670	
	1000	15.7	5.61	9.03	11.8	18.4	29.8	42.6	54.7	77.4	99.2	144	210	320	448	
	750	11.8	4.19	6.78	8.83	13.9	22.3	32.0	41.1	58.0	74.4	108	158	240	337	
70.6	1500	21.2	7.75	12.3	17.4	22.0	34.2	45.6	67.3	91.8	130	194	272	438	613	
	1000	14.2	5.16	8.21	11.6	14.7	23.3	31.4	47.7	61.1	92.2	130	182	294	410	
	750	10.6	3.87	6.16	8.69	11.0	17.6	23.5	36.3	45.9	71.0	97.9	137	220	308	
78.2	1500	19.2	6.85	10.8	16.5	22.7	31.9	50.3	65.2	94.6	119	177	252	388	549	
	1000	12.8	4.56	7.17	10.9	15.1	22.7	33.5	45.7	65.1	79.1	118	171	259	368	
	750	9.59	3.42	5.38	8.22	11.4	17.8	25.8	34.2	48.8	59.3	88.6	128	194	276	
86.5	1500	17.3	6.40	9.61	14.8	17.7	28.2	38.3	55.9	72.7	112	155	228	316	468	
	1000	11.6	4.27	6.41	9.86	11.8	18.9	25.5	38.9	48.5	79.3	103	152	211	313	
	750	8.67	3.21	4.81	7.40	8.86	14.2	19.1	29.2	36.4	59.5	77.6	114	158	235	
95.7	1500	15.7	5.78	8.26	12.1	16.1	26.1	35.6	52.3	69.5	101	143	202	279	420	
	1000	10.4	3.86	5.51	8.05	10.7	17.4	23.8	36.0	46.4	70.2	95.6	134	186	281	
	750	7.84	2.90	4.14	6.13	8.07	13.0	17.8	27.0	34.8	52.7	71.7	101	139	211	
106	1500	14.2	5.24	7.70	10.77	14.6	23.3	32.1	47.9	61.1	92.4	127	185	257	386	
	1000	9.43	3.49	5.13	7.18	9.70	15.5	21.4	32.5	40.7	63.2	85.0	124	172	258	
	750	7.08	2.63	3.86	5.38	7.27	11.6	16.0	24.4	30.6	47.4	63.7	92.8	129	193	
117	1500	12.8	4.71	6.73	9.86	13.1	20.9	28.2	43.9	54.4	85.9	115	169	REFER TO AGNEE		
	1000	8.55	3.14	4.48	6.58	8.74	14.0	18.9	29.3	36.3	58.1	76.6	113			
	750	6.41	2.37	3.37	4.93	6.55	10.4	14.1	21.9	27.2	43.6	57.4	84.6			
130	1500	11.5	3.74	6.01	8.28	12.7	16.8	24.5	31.6	45.5	61.8	99.0	130	REFER TO AGNEE		
	1000	7.69	2.49	4.01	5.52	8.54	11.1	16.4	21.0	30.3	41.1	66.0	86.9			
	750	5.77	1.89	3.01	4.14	6.40	8.39	12.3	15.7	22.8	30.9	49.6	65.2			

For higher SIZES - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds.

THERMAL RATINGS (KW)																
Nominal Ratio	Input Speed rpm	Unit Size														
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units with Cooling Coils +																
25.6 to 42.5	1500	42	54	60	79	91	228	244	439	490	722	782	1240	1380	1630	2150
	1000	42	53	60	70	90	229	245	430	474	674	720	1230	1370	1620	2130
47.1 to 130	1500	39	50	55	74	90	218	229	420	427	608	626	1090	1260	1520	2030
	1000	39	49	55	74	89	219	230	422	425	592	611	1080	1250	1510	2020
130	750	39	48	54	73	88	219	231	422	426	587	599	1070	1240	1500	2010
	Units with Fan and Cooling Coils +															
25.6 to 42.5	1500				93	121	240	260	459	518	760	830	1240	1750	2130	2750
	1000				94	123	238	255	442	490	696	745	1230	1740	2120	2730
	750				96	126	236	253	435	478	668	703	1220	1730	2110	2710

Full Load Efficiency - 97.5% (approx.)
 + Based on cooling water temperature 20 degree Celsius.
 Cooling coils not available for vertical units.



CAPACITY DETAILS

TYPE H4-H4SF																
QUADRUPLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW																
MECHANICAL CAPACITIES (KW)																
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size													
			140	160	180	200	225	250	280	315	355	400	450	500	560	630
106	1500	14.15	5.3	8.5	12.6	15	20.0	35.6	44.6	62.7	75.3	95.0	153	267	378	505
	1000	9.43	3.5	5.6	8.4	10	13.3	23.7	29.7	41.8	50.2	63.3	102	178	252	337
	750	7.08	2.65	4.25	6.3	7.5	10	17.8	22.3	31.35	37.7	47.5	76.5	134	189	253
117	1500	12.82	4.8	7.7	11.3	13.3	18.5	31.0	40.8	53.9	70.8	88.3	141	243	336	449
	1000	8.55	3.2	5.1	7.5	8.9	12.3	20.6	27.2	35.9	47.2	58.9	94	162	224	299
	750	6.41	2.4	3.85	5.65	6.65	9.25	15.5	20.4	26.9	35.4	44.2	70.5	122	168	225
130	1500	11.54	4.3	6.9	10.1	12.2	16.5	28.0	36.9	49.0	60.8	78.6	127	218	308	400
	1000	7.69	2.8	4.6	6.7	8.13	11.0	18.6	24.6	32.6	40.5	52.4	84.7	145	205	267
	750	5.77	2.15	3.45	5.05	6.1	8.25	14.0	18.5	24.5	30.4	39.3	63.5	109	154	200
144	1500	10.42	3.9	6.2	9.0	11.0	15.2	26.1	33.4	46.1	58.0	71.1	112	196	279	376
	1000	6.94	2.6	4.1	6.0	7.3	10.1	17.4	22.3	30.7	38.7	47.4	74.7	131	186	251
	750	5.21	1.95	3.1	4.5	5.5	7.6	13.0	16.7	23.0	29	35.6	56	98	140	188
159	1500	9.43	3.5	5.6	8.1	10.3	14.2	23.7	31.0	41.8	53.9	66.1	105	182	257	342
	1000	6.29	2.3	3.7	5.4	6.9	9.5	15.8	20.7	27.8	35.9	44.1	70	121	171	228
	750	4.72	1.75	2.8	4.05	5.15	7.1	11.85	15.5	20.9	27	33.1	52.5	91	129	171
176	1500	8.52	3.2	5.0	7.2	9.3	13.2	21.4	28.1	37.7	48.1	61.6	98	163	229	300
	1000	5.68	2.1	3.3	4.8	6.2	8.8	14.2	18.7	25.1	32.1	41.1	65.3	109	153	200
	750	4.26	1.6	2.5	3.6	4.7	6.6	10.7	14.1	18.85	24.1	30.8	49	82	115	150
195	1500	7.69	2.8	4.5	6.5	8.6	11.9	19.3	25.5	34.1	43.0	54.9	88	148	210	276
	1000	5.13	1.8	3.0	4.3	5.7	7.9	12.8	17	22.7	28.7	36.6	58.7	99	140	184
	750	3.85	1.4	2.25	3.25	4.3	6.0	9.65	12.8	17.0	21.5	27.5	44	74	105	138
215	1500	6.97	2.5	4.0	5.8	7.7	10.9	17.3	23.1	30.7	39.1	50.5	80	135	192	249
	1000	4.65	1.6	2.6	3.8	5.1	7.3	11.5	15.4	20.4	26.1	33.7	53.3	90	128	166
	750	3.48	1.25	2.0	2.9	3.9	5.5	8.65	11.6	15.35	19.6	25.3	40	68	96	125
238	1500	6.30	2.3	3.7	5.2	6.8	9.8	15.8	20.7	27.9	35.6	44.2	72.3	121	173	225
	1000	4.20	1.5	2.4	3.4	4.5	6.5	10.5	13.8	18.6	23.7	29.5	48.2	81	115	150
	750	3.15	1.15	1.85	2.6	3.4	4.9	7.9	10.35	13.95	17.8	22.1	36.1	61	87	113
264	1500	5.68	2.09	3.3	4.6	6.3	8.8	14.3	18.9	25.3	31.8	40.7	64.8	104	152	200
	1000	3.78	1.39	2.2	3.0	4.2	5.8	9.5	12.6	16.8	21.2	27.1	43.2	69	101	133
	750	2.84	1.04	1.65	2.3	3.1	4.4	7.15	9.4	12.6	15.9	20.3	32.4	52	76	100

REFER TO AGNEE

For higher SIZES - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds.

THERMAL RATINGS (KW)																
Nominal Ratio	Input Speed rpm	Unit Size														
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units without Fan																
106 to 657	1500	15.2	20.3	25.3	32.0	-	-	86.7	-	-	-	22.19	246	311	407	515
	1000	14.1	18.2	23.2	32.3	39.6	51.4	61.7	82.3	98.4	127.8	158.7	242	308	400	507
	750	13.1	17.1	21.2	26.4	32.3	41.1	49.9	64.6	79.3	102.9	127.8	238	304	392	496

Full Load Efficiency - 97.5% (approx.)



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE H4-H4SF																	
QUADRUPLE REDUCTION UNITS - PARALLEL SHAFTS MECHANICAL AND THERMAL CAPACITIES KW																	
MECHANICAL CAPACITIES (KW)																	
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size														
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
292	1500	5.13	1.88	2.98	4.18	5.7	8.0	13.0	17.3	22.9	29.8	37.0	59.2	96	139	179	
	1000	3.42	1.25	1.98	2.78	3.8	5.3	8.6	11.5	15.2	19.8	24.6	39.4	64	93	119	
	750	2.56	0.94	1.49	2.09	2.8	4.0	6.5	8.65	11.45	14.9	18.5	29.6	48	70	90	
323	1500	4.64	1.69	2.68	3.70	5.2	7.3	9.0	15.8	21.1	27.1	33.6	54.1	90	126	170	
	1000	3.09	1.12	1.78	2.46	3.4	4.8	6.0	10.5	14.1	18.0	22.4	36.0	60	84	113	
	750	2.32	0.84	1.34	1.35	2.6	3.65	4.5	7.9	10.5	13.5	16.8	27.0	45	63	85	
358	1500	4.19	1.52	2.41	3.35	4.7	6.6	8.2	14.3	19.2	24.5	30.6	48.8	83	107	148	
	1000	2.79	1.01	1.60	2.23	3.1	4.4	5.46	9.5	12.7	16.3	20.4	32.5	55	71	99	
	750	2.09	0.76	1.20	1.67	2.35	3.3	4.1	7.15	9.6	12.2	15.3	24.4	42	54	74	
396	1500	3.78	1.37	2.17	3.0	4.3	5.9	7.4	12.8	17.4	22.1	27.5	44.2	72	101	136	
	1000	2.52	0.9	1.4	2.0	2.8	3.9	4.92	8.5	11.5	14.7	18.3	29.4	48	67	91	
	750	1.89	0.685	1.08	1.50	2.15	3.95	3.69	6.4	8.7	11.0	13.7	22.1	36	51	68	
438	1500	3.42	1.23	1.95	2.69	2.3	3.8	4.50	7.6	10.5	13.3	18.5	25.6	67	95	122	
	1000	2.28	0.82	1.30	1.79	1.5	2.5	3.00	5.0	7.0	8.8	12.3	17.0	45	63	81	
	750	1.71	0.61	0.97	1.34	1.15	2.9	2.25	3.8	5.25	6.6	9.2	12.8	34	48	61	
485	1500	3.09	1.10	1.76	2.41	2.1	3.6	4.23	7.0	9.7	11.7	16.9	23.1	60	85	REFER TO AGNEE	
	1000	2.06	0.73	1.17	1.60	1.4	2.4	2.82	4.6	6.4	7.8	11.2	15.4	40	57		
	750	1.54	0.55	0.88	1.20	1.05	1.8	2.11	3.5	4.85	5.8	8.4	11.5	30	43		
536	1500	2.79	1.0	1.58	2.15	2.5	3.1	4.0	6.3	8.4	10.9	15.1	21.0	51	77	REFER TO AGNEE	
	1000	1.86	0.6	1.05	1.43	1.6	2.0	2.66	4.2	5.6	7.2	10.0	14	34	51.3		
	750	1.39	0.5	0.52	1.07	1.2	1.55	2.0	3.1	4.2	5.4	7.5	10.5	26	39		
594	1500	2.52	0.9	1.42	1.93	2.2	2.5	3.9	5.7	7.6	9.9	13.6	19.0	48	68	REFER TO AGNEE	
	1000	1.68	0.6	0.94	1.28	1.4	1.6	2.6	3.8	5.0	6.6	9.0	12.6	32	45.3		
	750	1.26	0.45	0.71	0.96	1.1	1.25	1.95	2.85	3.8	4.9	6.8	9.5	24	34		
657	1500	2.28	0.8	1.28	1.72	1.8	2.4	3.7	5.4	7.1	9.2	12.8	17.8	47	67	REFER TO AGNEE	
	1000	1.52	0.5	0.85	1.14	1.3	1.6	2.4	3.6	4.7	6.1	8.5	11.8	31	45		
	750	1.14	0.4	0.64	0.86	0.9	1.2	1.85	2.7	3.55	4.6	6.4	8.9	24	34		

For higher SIZES - refer to AGNEE. Full Load Efficiency - 96.5% (approx.)



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE B2-B2SF

DOUBLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW

MECHANICAL CAPACITIES (KW)

Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size											
			140	160	180	200	225	250	280	315	355	400	450	
5.06	1500	296	75.9	114	150	224	322	450	618	830*	1117*	1666*	2048*	REFER AGNEE
	1000	198	50.6	75.6	111	150	215	300	411	553	744	1135	1542	
	750	148	38.0	56.7	84.7	113	161	224	308	415	558	854	1179	
5.60	1500	268	72.5	112	148	224	306	450	618	830	1117*	1614*	2048*	
	1000	179	50.4	75.4	108	150	215	300	411	553	744	1135	1542	
	750	134	38.0	56.7	84.3	113	161	224	308	415	558	854	1179	
6.20	1500	242	71.6	107	143	224	288	450	618	830	1117*	1479*	2048*	
	1000	161	50.3	75.0	105	150	215	300	411	553	744	1115	1542	
	750	121	38.0	56.7	82.6	113	161	224	308	415	558	854	1179	
6.86	1500	219	67.4	100	137	212	277	415	618	830	1066*	1417*	2048*	
	1000	146	49.4	73.7	100	145	190	282	411	553	744	1073	1542	
	750	109	37.9	56.6	78.3	111	143	215	308	415	558	834	1179	
7.59	1500	198	63.0	93.6	125	181	252	378	502	713	965	1314*	1862*	
	1000	132	46.1	68.6	91.4	121	173	253	334	475	643	939	1313	
	750	98.8	36.0	53.4	71.3	90.5	129	190	250	357	482	704	984	
8.40	1500	179	55.7	85.0	118	162	231	320	440	606	848	1210	1676	
	1000	119	38.4	58.7	80.8	108	157	213	293	404	566	821	1156	
	750	89.3	29.5	45.3	62.3	81.1	118	159	219	303	424	616	869	
9.30	1500	161	51.2	76.9	105	139	209	278	381	542	714	1066	1490	
	1000	108	35.4	53.1	72.1	92.4	140	185	254	361	476	709	993	
	750	80.6	27.1	40.6	55.0	69.3	104	139	190	271	357	532	745	
10.3	1500	146	46.8	69.9	97.2	117	169	228	326	434	647	897	1345	
	1000	97.1	31.3	46.9	65.3	83	120	163	227	320	431	652	899	
	750	72.8	23.7	35.4	49.3	65.9	93.1	126	171	240	324	489	674	

For higher SIZES - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds.* Forced lubrication is necessary.

THERMAL CAPACITIES (KW)

Nominal Ratio	Input Speed rpm	Unit Size												
		140	160	180	200	225	250	280	315	355	400	450		500
Units Without Fan (Horizontal)														
5.06 to 9.30	1500	40	52	64	79	99	122	153	201	292	373	425	Refer to AGNEE	
	1000	41	52	64	80	100	124	177	241	328	454	584		
	750	42	53	65	81	106	125	189	258	318	443	581		
10.3 to 18.9	1500	39	51	62	71	96	116	146	193	269	343	503	Refer to AGNEE	
	1000	40	51	62	78	97	118	163	222	319	417	529		
	750	41	51	62	79	99	120	174	236	311	429	512		
Units With Fan Cooling (Horizontal)														
5.06 to 9.30	1500	85	111	140	173	214	272	368	449	661	864	955	Refer to AGNEE	
	1000	73	95	120	149	191	238	320	389	575	751	1092		
	750	63	83	105	130	173	230	290	355	522	682	976		
10.3 to 18.9	1500	84	109	137	171	212	275	331	389	548	701	860	Refer to AGNEE	
	1000	71	92	117	146	189	233	285	353	470	612	871		
	750	63	81	102	128	170	204	240	323	425	546	793		



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



CAPACITY DETAILS

TYPE B2-B2SF														
DOUBLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW														
MECHANICAL CAPACITIES (KW)														
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size											
			140	160	180	200	225	250	280	315	355	400	450	500
11.4	1500	132	40.1	64.5	88.6	108	155	209	300	401	577	827	1169	REFER AGNEE
	1000	87.7	28.0	45.0	61.9	71.7	105	144	200	276	385	556	780	
	750	65.8	21.1	33.9	46.8	53.8	78.8	108	150	207	289	418	586	
12.6	1500	119	35.5	57.5	78.1	93.4	134	187	257	351	493	729	1009	
	1000	79.4	24.7	40.2	54.5	62.6	89.6	125	171	234	329	486	673	
	750	59.5	18.5	29.9	40.5	47.0	67.2	93.5	128	176	246	364	505	
14.0	1500	107	30.9	46.7	65.2	80.7	115	158	217	305	446	656	933	
	1000	71.4	21.6	32.6	45.5	57.6	82.1	114	115	219	319	468	66	
	750	53.6	16.2	24.3	33.8	38.0	64.3	88.9	122	171	246	364	504	
15.4	1500	97.4	28.6	42.9	57.2	74.3	106	146	207	298	411	604	860	
	1000	64.9	20.0	30.0	40.0	52.3	75.5	104	143	200	283	413	573	
	750	48.7	14.8	22.3	29.8	39.2	58.4	80.7	109	150	212	309	430	
17.1	1500	87.8	24.0	37.9	52.0	62.4	96.4	119	178	242	323	462	663	
	1000	58.5	16.8	26.5	36.2	41.6	64.3	79.2	119	161	215	308	443	
	750	43.9	12.5	19.7	27.0	31.1	48.2	59.4	88.8	121	160	232	332	
18.9	1500	79.4	23.4	35.2	48.6	62.4	87.5	119	170	242	316	462	663	
	1000	52.9	16.4	24.5	33.9	41.6	58.3	116	116	161	210	308	443	
	750	39.7	12.2	18.2	25.2	31.1	43.8	86.5	86.5	121	157	232	332	

For higher SIZES - refer to AGNEE. Nominal ratios are shown. Interpolate for other input speeds. * Forced lubrication is necessary.

THERMAL CAPACITIES (KW)														
Nominal Ratio	Input Speed rpm	Unit Size												
		140	160	180	200	225	250	280	315	355	400	450	500	
Units with cooling coils* (Horizontal)														
5.06 to 9.30	1500	106	135	152	169	242	588	679	1420	1590	2330	1960	Refer to AGNEE	
	1000	106	135	151	169	238	533	611	1270	1440	2170	1860		
	750	105	134	151	169	235	507	571	1180	1340	2020	1740		
10.3 to 18.9	1500	101	129	145	161	238	437	471	990	1110	1680	1450	Refer to AGNEE	
	1000	100	128	145	161	235	423	449	896	998	1510	1310		
	750	100	127	144	160	233	414	440	849	629	1400	1210		
Units With Fan Cooling and cooling coils *(Horizontal)														
5.06 to 9.30	1500	161	206	231	257	317	755	899	1720	1980	2820	2540	Refer to AGNEE	
	1000	148	189	213	236	286	636	751	1470	1700	2500	2240		
	750	138	176	198	221	260	580	670	1320	1520	2270	2030		
10.3 to 18.9	1500	141	180	202	224	288	545	608	1190	1380	2040	1890	Refer to AGNEE	
	1000	133	169	190	211	263	495	537	1020	1160	1740	1580		
	750	124	159	115	199	242	468	505	940	1050	1550	1400		

Full load efficiency -97%, 8 Based on cooling water temperature 20° C



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



CAPACITY DETAILS

TYPE B-B3SF																	
TRIPLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW																	
MECHANICAL CAPACITIES (KW)																	
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size														
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
14.0	1500	107	27.6	45.9	69.8	93.7	127	191	256	332	529	688	965	2162	2165	2958	-
	1000	71.4	18.4	34.3	50.0	62.5	84.9	128	171	231	352	459	643	987	1448	1968	2541*
	750	53.6	13.9	26.1	38.0	46.9	63.7	106*	127	174	264	344	482	740	1086	1479	1903
15.4	1500	97.4	27.6	45.5	68.3	93.7	127	191	256	332	515	643	955	1479	2162*	2958*	-
	1000	64.9	18.4	34.3	50.0	62.5	84.9	128	171	231	344	429	643	987	1448*	1968*	2541*
	750	48.7	13.9	26.1	38.0	46.9	63.7	106*	127	174	268	323	482	740	1086	1479	1903
17.1	1500	87.7	27.6	45.5	68.3	75.9	117	178	254	332	451	620	909	1479	2162*	2958*	-
	1000	58.5	18.4	33.3	46.0	50.6	78.1	78.1	170	231	314	426	606	987	1448*	1968*	2541*
	750	43.9	13.9	25.9	35.0	38.0	69.71	69.7	127	174	236	320	455	740	1086	1479	1903
18.9	1500	79.4	27.6	45.5	64.3	75.9	116	178	251	332	437	620	852	1479	2162*	2958*	-
	1000	52.9	18.4	33.3	48.4	50.6	77.3	120	168	231	314	426	591	987	1448*	1968*	2541*
	750	39.7	13.9	25.9	37.8	38	69.7	94.9	126	174	236	320	443	740	1086	1479	1903
20.9	1500	71.8	27.6	41.3	59.4	65.9	95.3	148	205	281	385	537	749	1241*	1903*	2545*	-
	1000	47.8	18.4	27.5	39.6	49.5	68.6	105	138	203	285	396	508	830	1271	1698*	2250*
	750	35.9	13.9	20.7	29.7	37.1	56.0	82.8	103	151	200	276	381	623	950	1272	1686
23.2	1500	64.7	25.7	39.1	54.7	65.9	95.3	148	205	281	385	537	749	1075	1582	2212	-
	1000	43.1	17.1	26.0	36.5	49.5	68.6	105	138	203	285	396	508	754	1114	1489*	2145*
	750	32.3	12.8	19.5	27.4	37.1	56.0	82.08	103	151	200	276	381	54	843	1127	1613*
25.6	1500	58.6	23.5	35.9	49.5	60.8	86.0	131	181	252	339	459	647	980*	1417	2069*	-
	1000	39.1	15.6	24.0	32.9	43.0	63.3	96.1	121	169	226	431	431	699	1008	1479*	1979*
	750	29.3	11.8	18.0	24.7	32.3	50.2	72.1	90.5	126	170	324	324	548	791	1127	1541
28.4	1500	52.8	20.2	28.9	43.8	55.0	79.6	131	166	236	305	450	620	901*	1303*	1903*	-
	1000	35.2	13.4	19.3	29.2	37.1	53.1	89.8	114	157	206	302	417	643	926	1354	1823*
	750	26.4	10.1	14.5	21.8	29.2	40.6	67.9	86.6	120	159	234	328	504	726	1018	1386
31.4	1500	47.8	18.4	26.5	39.5	49.8	72.2	120	151	214	276	407	561	830*	1200*	1748*	-
	1000	31.8	12.3	17.6	26.4	34.2	48.1	80.5	104	143	190	279	385	587	853	1219	1614
	750	23.9	9.21	13.2	19.8	26.9	37.3	60.4	78.5	111	145	212	302	440	661	911	1386
34.7	1500	43.2	17.2	23.2	36.3	44.9	63.4	103	151	201	257	366	553	752*	1127*	1531*	-
	1000	28.8	11.5	13.4	23.7	29.6	42.3	69.7	101	134	182	245	384	504	756	1028	1046
	750	21.6	8.60	11.6	18.1	22.1	31.8	52.3	75.07	101	139	199	290	378	569	774	1055

For higher SIZES - refer to AGNEE. Full Load Efficiency - 96.5% (approx.)

THERMAL CAPACITIES (KW)																
Nominal Ratio	Input Speed rpm	Unit Size														
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units without Fan																
14.0 TO 63.8	1500	30	39	48	59	76	95	122	154	185	225	279	355	440	580	720
	1000	29	37	46	55	71	89	112	148	178	220	270	340	420	560	700
	750	27	32	43	52	67	86	109	142	170	217	270	330	410	555	690
Units with Fan																
14.0 TO 95.	1500	56	86	110	138	173	216	276	347	424	536	712	930	1200	1520	
	1000	53	71	91	114	147	180	230	294	355	436	555	650	850	1100	1410
	750	45	60	78	97	128	158	200	260	311	394	490	590	800	1010	1300

Full Load Efficiency - 97% (approx.)



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE B3-B3SF																	
TRIPLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW																	
MECHANICAL CAPACITIES (KW)																	
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size														
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
38.4	1500	39.1	15.3	21.5	32.9	40.2	57.6	94.2	138	182	237	333	507	685	1027*	1396*	-
	1000	28.0	10.2	14.4	22.0	26.9	38.4	63.3	91.7	122	168	223	350	458	687	935	1281
	750	19.5	7.86	10.8	16.5	20.2	28.9	47.5	68.8	91.4	126	168	264	343	517	703	963
42.5	1500	35.3	13.7	19.6	28.9	36.6	52.6	86.5	125	167	218	303	460	624	936	1272*	-
	1000	23.5	9.10	13.0	19.3	24.5	35.0	57.7	83.4	111	153	203	320	418	627	852	1166
	750	17.6	6.83	9.77	14.5	18.3	26.3	43.2	62.6	83.3	115	152	240	313	471	641	878
47.1	1500	31.8	12.2	17.7	26.1	33.1	47.5	78.2	113	150	201	274	414	529	801	1028	-
	1000	21.2	8.13	11.8	17.7	22.1	31.7	52.5	75.4	100	139	183	276	354	536	689	1033
	750	15.9	6.10	8.84	13.3	16.6	23.8	39.1	56.6	75.3	104	138	207	266	402	518	777
52.1	1500	28.8	10.7	15.5	24.0	24.0	29.8	42.6	70.1	102	134	183	247	351	724	931	-
	1000	19.2	7.09	10.3	16.0	16.0	19.9	28.4	46.8	67.7	90.0	125	165	234	485	624	935
	750	14.4	5.31	7.76	12.0	14.9	21.3	35.1	50.8	67.6	93.5	124	240	364	469	703	
57.7	1500	26.0	9.36	14.7	21.5	27.0	38.6	63.5	87.4	122	161	217	305	430	652	837	-
	1000	17.3	6.25	9.79	14.4	18.0	25.7	42.4	58.2	81.6	107	145	203	287	435	561	840
	750	13.0	4.66	7.34	10.8	13.4	19.3	31.9	43.7	61.1	80.7	109	152	216	327	422	632
63.8	1500	23.5	8.84	13.2	18.5	24.0	36.8	50.4	73.2	101	141	207	297	390	590	759	-
	1000	15.7	5.91	8.82	12.3	15.9	25.5	35.3	51.9	67.5	100	140	200	260	395	508	753
	750	11.8	4.43	6.62	9.24	12.0	13.1	26.5	39.2	50.7	78.1	103	150	195	297	382	565
70.6	1500	21.2	8.18	10.2	16.8	22.2	31.7	41.3	65.8	96.4	122	173	242	359	543	676	-
	1000	14.2	5.46	6.83	11.2	14.8	21.1	27.6	43.9	64.3	81.3	116	161	240	362	452	701
	750	10.6	4.10	5.13	8.38	11.2	15.8	20.7	32.9	48.2	60.9	86.5	121	180	272	339	526
78.2	1500	19.2	6.69	9.71	14.4	19.7	31.1	42.5	61.9	83.1	119	172	223	315	462	624	-
	1000	12.8	4.47	6.48	9.58	13.1	20.9	28.6	41.6	55.4	79.2	114	149	210	308	418	584
	750	9.59	3.35	4.86	7.19	9.83	15.7	21.5	31.1	41.6	59.4	85.0	112	157	232	313	438
86.5	1500	17.3	6.09	9.14	12.4	17.7	28.2	38.2	56.4	74.0	111	155	223	REFER TO AGNEE			
	1000	11.6	4.06	6.09	8.27	11.8	18.9	25.5	39.5	49.4	78.4	103	149				
	750	8.67	3.05	4.57	6.21	8.87	14.2	18.9	29.6	37.0	58.9	77.6	112				
95.7	1500	15.7	5.63	8.15	10.2	16.2	22.6	31.7	42.4	62.6	83.2	131	175	REFER TO AGNEE			
	1000	10.4	3.75	5.45	6.78	11.5	15.1	22.1	28.3	41.4	55.5	89.0	117				
	750	7.84	2.81	4.08	5.08	8.63	11.3	16.6	21.2	31.0	41.6	66.8	87.8				

For higher SIZES - refer to AGNEE. * forced Lubrication is necessary

THERMAL CAPACITIES (KW)																	
Nominal Ratio	Input Speed rpm	Unit Size															
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	
Units with cooling coils																	
14.0	1500	64	88	115	131	148	295	324	619	698	995	860	1240	1380	1630	2150	
TO	1000	64	87	114	129	146	289	318	590	651	912	788	1230	1370	1620	2130	
78.2	750	63	85	111	127	145	287	314	576	627	866	749	1220	1360	1810	2110	
Units with Fan cooling and cooling coils *																	
86.5	1500	58	78	103	117	131	270	273	506	524	737	622	-	-	-	-	
TO	1000	58	76	99	117	129	269	272	500	509	718	607	-	-	-	-	
95.7	750	57	73	98	115	128	268	271	499	508	699	596	-	-	-	-	
14.0	1500	72	102	133	151	193	322	360	669	764	1080	968	1540	1750	2130	2750	
to	1000	71	97	127	145	181	308	341	621	693	967	856	1530	1740	2120	2730	
63.8	750	69	94	123	140	171	301	332	599	656	905	795	1520	1730		2110	

Full Load Efficiency - 97% (approx.), Based on cooling water temperature 20° C



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE B1-B4SF																
QUADRUPLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW																
MECHANICAL CAPACITIES (KW)																
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size													
			140	160	180	200	225	250	280	315	355	400	450	500	560	630
86.5	1500	17.34	6.85	10.55	15.70	18.34	25.65	42.93	55.22	74.73	34.55	119	191	330	445	608
	1000	11.56	4.43	7.03	10.45	12.22	17.10	28.62	36.81	49.82	63.00	79.30	127.3	220	297	405
	750	8.67	3.32	5.27	7.85	9.17	12.82	21.46	27.61	37.36	47.30	59.50	95.5	165	222	304
95.7	1500	15.67	5.98	9.49	14.0	16.75	23.53	39.00	50.67	68.16	85.75	108	174	303	414	562
	1000	10.45	3.98	6.32	9.33	11.16	15.68	26.00	33.78	45.44	57.16	72	116	202	276	375
	750	7.83	2.98	4.74	7.00	8.37	11.76	19.50	25.33	34.80	42.80	54	87	151	207	281
106	1500	14.15	5.39	8.54	12.62	15.90	22.05	36.46	47.80	64.23	81.62	102	163	267	379	505
	1000	9.43	3.59	5.69	8.41	10.61	14.70	24.31	31.86	42.82	54.40	68	109	178	253	337
	750	7.08	2.69	4.27	6.31	7.95	11.02	18.23	23.90	32.11	40.80	51	82	133	190	252
117	1500	12.82	4.85	7.68	11.27	13.57	18.97	31.80	40.81	55.22	69.85	87.50	142	243	336	449
	1000	8.55	3.23	5.12	7.51	9.05	12.65	21.20	27.20	36.81	46.56	58.30	94.6	162	224	300
	750	6.41	2.42	3.84	5.63	6.78	9.48	15.90	20.40	27.61	34.90	43.70	71	121	168	225
130	1500	11.54	4.36	6.92	10.10	12.40	17.38	28.72	37.31	50.24	63.17	79.60	127	218	308	400
	1000	7.69	2.90	4.61	6.73	8.27	11.58	19.15	24.87	33.50	42.11	53.0	85	145	205	267
	750	5.77	2.18	3.46	5.05	6.20	8.69	14.36	18.65	25.12	31.50	39.80	63.50	109	154	200
144	1500	10.42	3.93	6.22	9.05	11.66	16.22	26.82	35.19	47.27	60	75.2	121	196	279	376
	1000	6.94	2.62	4.14	6.03	7.77	10.81	17.88	23.46	31.51	40	50.1	81	131	186	251
	750	5.21	1.96	3.11	4.52	5.83	8.11	13.41	17.73	23.63	30	37.6	60.5	98	140	188
159	1500	9.43	3.53	5.60	8.11	10.57	14.73	24.27	31.69	42.82	54.38	68.10	109	181	257	342
	1000	6.29	2.35	3.73	5.40	7.05	9.82	16.18	21.12	28.55	36.00	45.40	73	121	171	228
	750	4.72	1.76	2.80	4.05	5.28	7.36	12.13	15.84	21.41	27.19	34.0	54.5	91	128	171
176	1500	8.52	3.18	5.05	7.26	9.56	13.25	21.94	28.72	38.69	49.08	34.6	98	163	229	300
	1000	5.68	2.12	3.36	4.84	6.37	8.83	14.62	19.15	25.79	32.72	41.05	65	109	153	200
	750	4.26	1.59	2.52	3.63	4.78	6.62	10.97	14.36	19.35	24.54	30.80	49	82	115	150
195	1500	7.69	2.86	4.54	6.49	8.61	11.98	19.82	25.86	34.98	44.31	55.5	89	148	209	276
	1000	5.13	1.90	3.02	4.32	5.74	7.98	13.21	17.24	23.32	29.5	37.0	59	99	139	184
	750	3.58	1.43	2.27	3.24	4.30	5.99	9.91	12.93	17.49	22.1	27.7	44.5	74	105	138

For higher SIZES - refer to AGNEE. * forced Lubrication is necessary

THERMAL CAPACITIES (KW)																
Nominal Ratio	Input Speed rpm	Unit Size														
		140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
Units without Fans																
86.5	1500	14	18	23	53	69	86	111	140	168	204	253	323	400	527	654
To	1000	13	17	21	50	64	81	101	134	162	200	241	309	382	509	636
438	750	12	15	19	47	61	78	99	129	153	197	235	300	373	504	627



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



TYPE B1-B43SF																	
QUADRUPLE REDUCTION UNITS - RIGHT ANGLE SHAFTS - MECHANICAL AND THERMAL CAPACITIES KW																	
MECHANICAL CAPACITIES (KW)																	
Nominal Ratio	Input Speed rpm	Nominal Output Speed rpm	Unit Size														
			140	160	180	200	225	250	280	315	355	400	450	500	560	630	710
215	1500	6.97	2.57	4.08	5.82	7.75	10.81	17.81	23.21	31.48	40.07	51.9	80	135	192	249	
	1000	4.65	1.71	2.72	3.88	5.16	7.20	11.87	15.47	20.98	26.71	54.6	53	90	128	166	
	750	3.48	1.28	2.04	2.91	3.87	5.40	8.90	11.60	15.74	20.03	26.0	40	67.5	96	125	
238	1500	6.30	2.32	3.68	5.21	7.00	9.82	16.22	21.30	28.62	36.36	45.5	73	121	173	225	
	1000	4.20	1.54	2.45	3.47	4.66	6.54	10.81	14.20	19.08	24.24	30.3	49	81	115	150	
	750	3.15	1.16	1.84	2.60	3.50	4.91	8.11	10.65	14.30	18.18	22.3	36.5	60.5	87	113	
264	1500	5.68	2.09	3.31	4.66	6.43	8.92	14.73	19.29	25.97	33.18	41.5	66	104	152	200	
	1000	3.78	1.39	2.20	3.10	4.28	5.95	9.82	12.86	17.31	22.12	27.6	44	69	101	133	
	750	2.84	1.04	1.65	2.33	3.21	4.46	7.36	9.64	12.98	16.59	20.7	33	52	76	100	
292	1500	5.13	1.88	2.98	4.18	5.82	8.06	13.35	17.49	23.53	30	37.4	60	96	139	179	
	1000	3.42	1.25	1.98	2.78	3.88	5.37	8.90	11.66	15.68	20	24.9	40	64	93	119	
	750	2.56	0.94	1.49	2.10	2.91	4.03	6.67	8.74	11.76	15	18.7	30	48	70	90	
323	1500	4.64	1.69	2.68	3.74	4.70	5.18	6.19	10.36	14.52	18.0	24.9	34.3	90	126		
	1000	3.09	1.12	1.78	2.49	3.13	3.45	4.12	6.90	9.68	12.0	16.6	22.8	60	84		
	750	2.32	0.84	1.34	1.87	2.35	2.59	3.9	5.18	7.26	9.0	12.5	17.1	45	63		
358	1500	4.19	1.52	2.41	3.35	4.3	4.69	5.59	9.40	13.14	16.43	22.7	31.4	83	110		
	1000	2.79	1.01	1.60	2.23	2.86	3.12	3.72	6.26	8.76	10.95	15.1	21.0	55	73		
	750	2.09	0.76	1.20	1.67	2.15	2.35	2.35	4.70	6.57	8.21	11.3	15.7	41.5	55		
396	1500	3.78	1.37	2.17	3.00	3.80	4.25	5.05	83.50	11.87	14.84	20.6	28.3	72	101		
	1000	2.52	0.91	1.44	2.00	2.53	2.83	3.36	5.66	7.91	9.89	13.7	18.8	48	67		
	750	1.89	0.68	1.08	1.50	1.90	2.12	2.52	4.25	5.93	7.41	10.3	14.1	36	51		
438	1500	63.42	1.23	1.95	2.69	3.5	3.88	4.61	7.71	10.81	13.46	18.5	25.7	60	92		
	1000	2.28	0.82	1.30	1.30	2.3	2.58	3.07	5.14	1.20	8.97	12.3	17.1	40	61		
	750	1.71	0.61	0.97	0.97	1.75	1.94	2.30	3.85	5.40	6.73	9.25	12.85	30	36		

For higher SIZES - refer to AGNEE. * forced Lubrication is necessary



AGNEE HELICAL & BEVEL HELICAL GEAR BOX



Dear User

Kindly furnish the following Technical Data and Information for selection of Helical and Bevel Helical Gear Box

- 1) Application
- 2) Prime Mover (Electric motor / Hydraulic motor) :
- 3) Input Shaft (rpm)
- 4) Output Speed (rpm)
- 5) Reduction Ratio:
- 6) Input Power (HP/ Kw):
- 7) Output Torque (kg - m or Nm):
- 8) Load Nature Uniform (U)/ Moderate Shock (M) / Heavy shock (H):
- 9) Service Duration (Hrs):
(Daily operating hours)
- 10) Operating Cycle (Minutes cycle):
- 11) Operating Position:

For your specific Reduction Ratios, Output speed, Out Torque, Please write to **AGNEE**

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