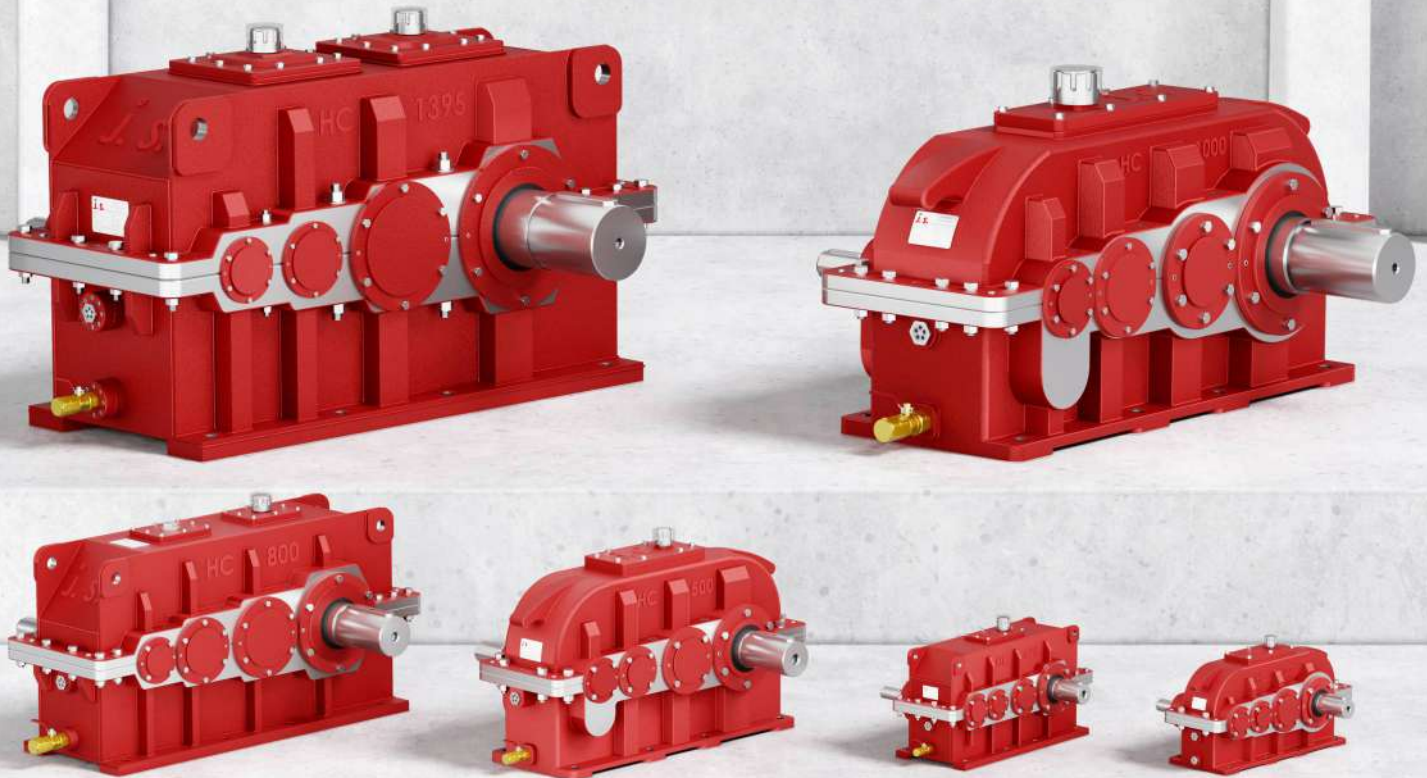




Since : 1990



Parallel Shaft Helical Gearboxes

Your Specialist For Gearbox

Infrastructure Capacity

UNIT-1 Machine Shop (Size – 10,000 Square Feet)	UNIT-2 Storage & Assembly Area (Size – 12,000 Square Feet)	UNIT-3 Paint & Dispatch Area (Size – 6,000 Square Feet)
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JS Gear Operate on
90% Renewable Energy (From Feb-2025)

JS Gear has reached a milestone in sustainability by fully transitioning to solar power. With the installation of a solar energy system, the company now operates on 90% renewable energy, showcasing a strong dedication to environmental responsibility.

Factory Machinery List

CNC Turning	DIA 450 X 1050 MM	1 NOS
CNC Turning	DIA 550 X 800 MM	1 NOS
CNC Turning	DIA 350 X 700 MM	1 NOS
CNC Turning	DIA 200 X 400 MM	1 NOS
VMC	Working 1800X700	1 NOS
VMC	Working 1050X450	1 NOS
HMC	630X630	1 NOS
HMC	500X500	1 NOS
Boring – DRO	Size – 100	1 NOS
Hobbing	DIA 800 X 14 Module	1 NOS
Hobbing	DIA 630 X 10 Module	1 NOS
Hobbing	DIA 500 X 8 Module	1 NOS
Hobbing	DIA 280 X 5 Module	3 NOS
Gear Grinding – CNC	DIA 400 – Profile	1 NOS
Gear Grinding – CNC	DIA 500 – Profile	1 NOS
Conventional Milling		1 NOS
Conventional Lathe		2 NOS
Broaching Machine – Bore key way	Broaching Machine – Bore key way	1 NOS
Slotting Machine	Slotting Machine (Stroke 400mm)	2 NOS
EOT Crane	EOT Crane (5 Ton Capacity)	4 NOS
EOT Crane	EOT Crane (3 Ton Capacity)	1 NOS
Hydraulic Press – Heavy Duty	Hydraulic Press – Heavy Duty	1 NOS
Hydraulic Press – Medium Duty	Hydraulic Press – Medium Duty	1 NOS
Hydraulic Press – Light Duty	Hydraulic Press – Light Duty	2 NOS

Gearbox

Internal Composition

Gears

- ⚙ Made from high graded alloy steel case harden (HRC-58 to 60) and precision profile ground. Accuracy DIN 6 / DIN 7

Bearing

- ⚙ All Roller Bearings

Oil Seal

- ⚙ Input/output shafts incorporate double oil seals imported

Gear Case

- ⚙ Super rigid housing of graded cast iron machine on High-Precision Machine.
- ⚙ Fabricated case available on request.

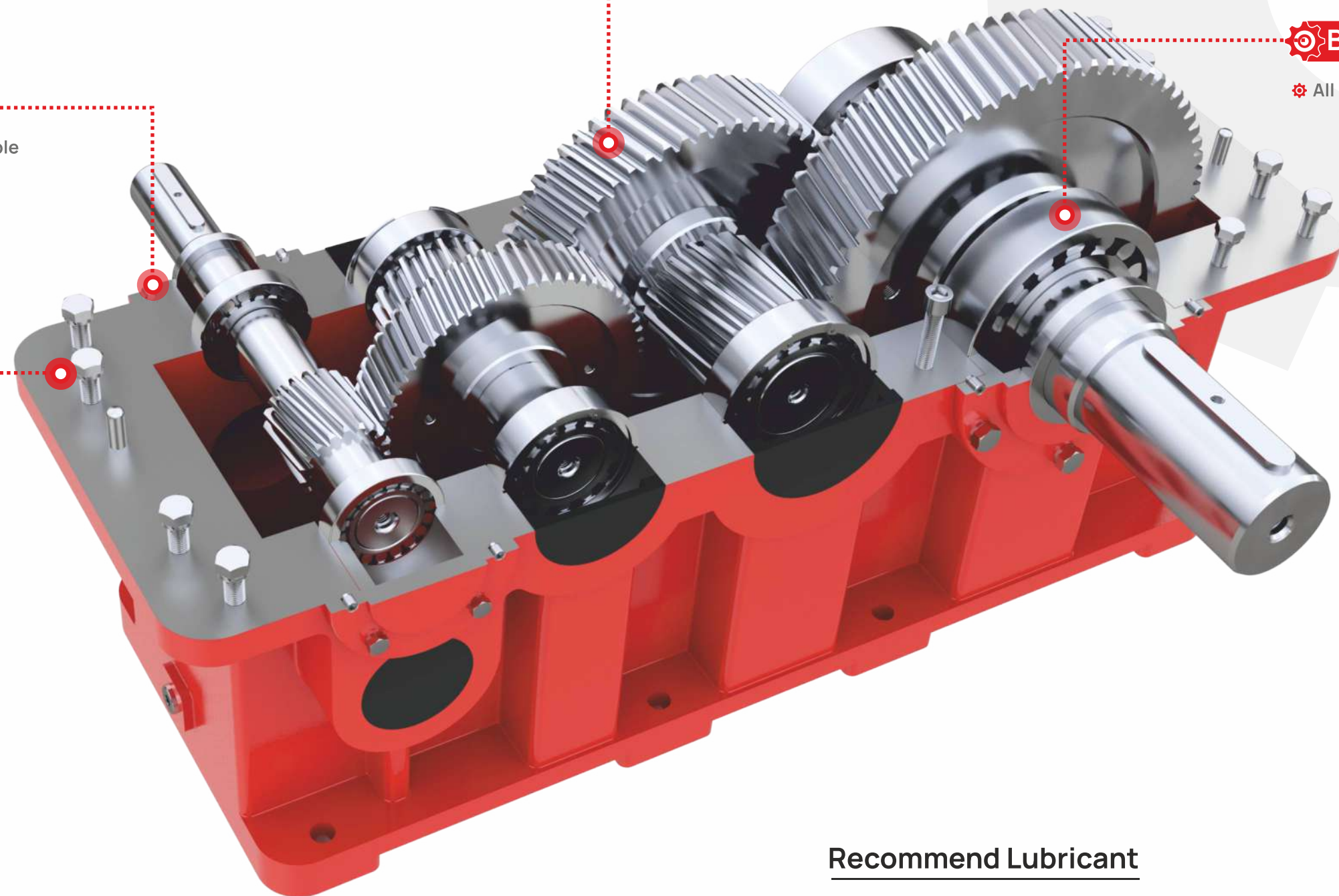
Assembly

- ⚙ Gears and housing are assembled and test-run technicians after stringent QC.
- ⚙ Bearing temperature is 100% tested during the trial operation.
- ⚙ Noise is kept below the standard 85dB.

Recommend Lubricant

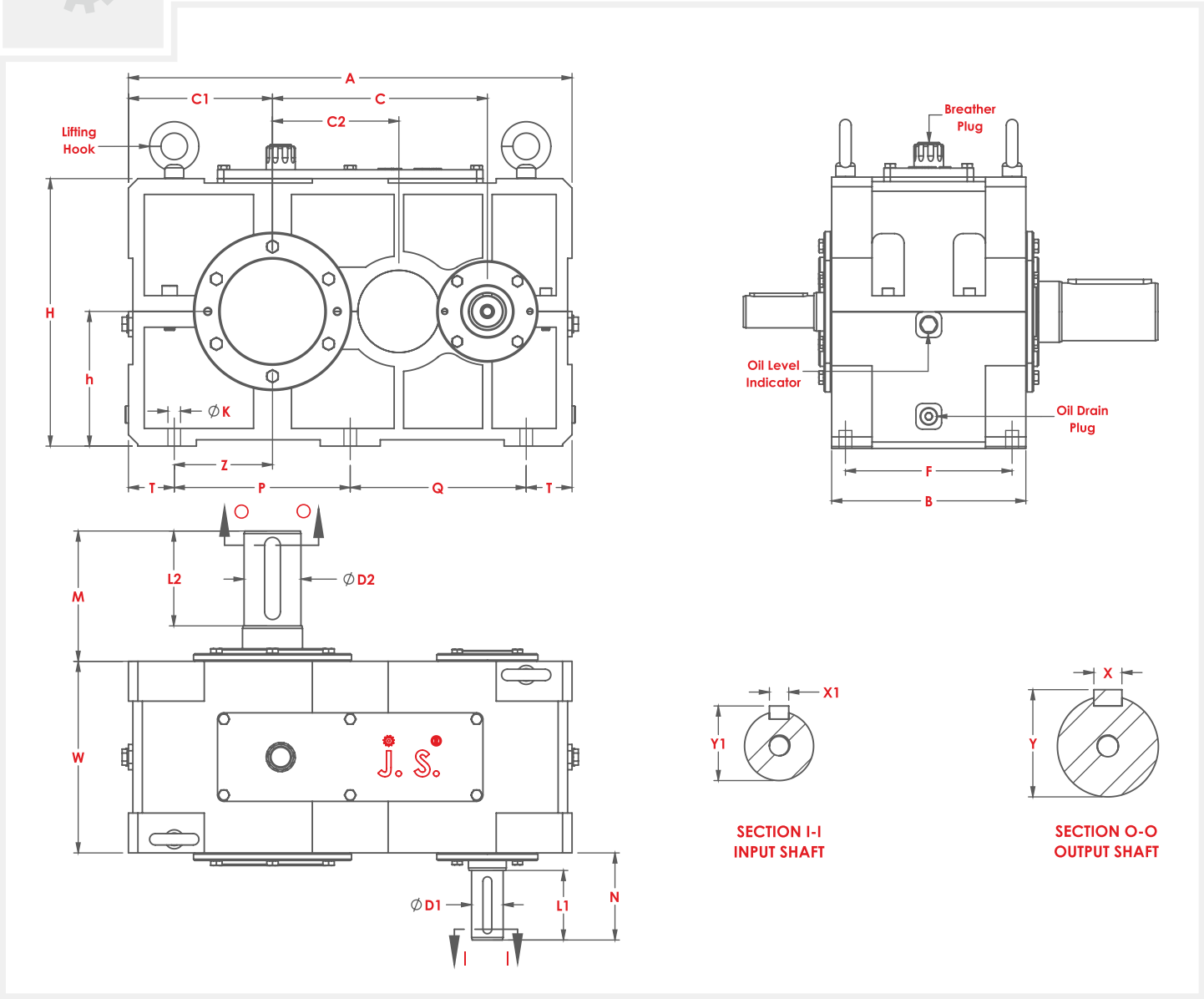
Mineral Oil

- ISO VG 320/460
- ⚙ Changing period : 4500 Hours





SBH - SOLID GAD



Type	Input Shaft	Output Shaft	Dimensions (mm)																							Avg. Wgt.	Oil Qty.
MODEL	ØD1	L1	ØD2	L2	A	C	C1	C2	H	h	Z	T	P	Q	ØK	B	F	W	N	M	X1	Y1	X	Y	KG	Ltr	
SBH-160 S	45	105	75	110	580	270	190	160	360	180	130	60	230	230	19	260	220	260	130	145	14	49	20	80	200	15	
SBH-180 S	50	110	80	120	635	305	220	180	395	197.5	153	67	250.5	250.5	20	270	220	270	160	170	14	54	22	85.5	230	20	
SBH-200 S	50	110	90	150	700	340	230	200	420	210	155.5	72.5	278.5	278.5	20	305	260	305	140	205	14	54	25	95.5	460	30	
SBH-225 S	60	140	110	175	790	385	260	225	485	245	180	80	315	315	25	330	270	330	180	240	18	64.5	28	116.5	630	50	
SBH-250 S	70	140	125	185	950	430	320	250	540	270	235	87.5	386.5	386.5	27	395	335	395	175	245	20	75	32	132.5	750	70	
SBH-280 S	75	140	130	200	1020	480	360	280	670	340	260	100	550	270	27	440	360	440	200	250	20	80	32	137.5	900	85	

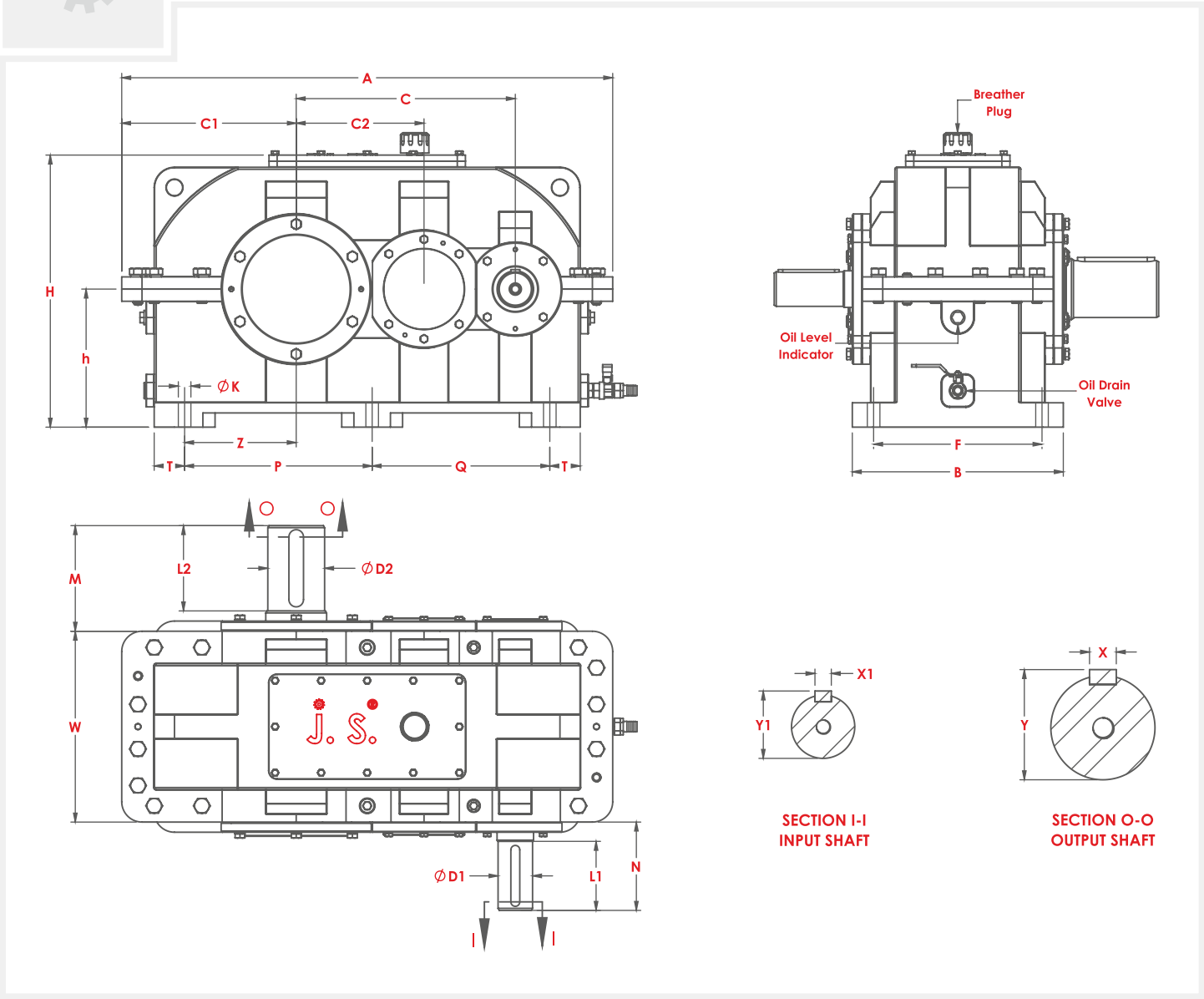


Nominal Rating Chart

RATIO	INPUT RPM	OUTPUT RPM	Two Stage Parallel Shaft Series / Power Rating Pn (kW)					
			SBH-160-S	SBH-180-S	SBH-200-S	SBH-225-S	SBH-250-S	SBH-280-S
In	N1	N2	Actual Ratio					
6.3	1500	240	60	89	153	195	256	404
	1000	160	41	60	103	132	173	274
	750	120	31	46	79	101	132	209
7.1	1500	210	56	81	136	179	223	365
	1000	140	38	55	92	121	151	247
	750	105	29	42	70	93	115	188
8	1500	188	50	80	120	162	205	328
	1000	125	34	54	81	110	139	222
	750	94	26	41	62	84	106	169
9	1500	167	49	64	107	140	184	284
	1000	111	33	43	73	95	124	192
	750	83	26	33	55	72	95	147
10	1500	150	46	56	94	125	183	262
	1000	100	31	38	64	85	124	178
	750	75	24	29	49	65	94	135
11.2	1500	134	36	50	87	114	146	232
	1000	89	24	34	59	77	99	157
	750	67	19	26	45	59	75	120
12.5	1500	120	32	45	76	99	128	202
	1000	80	22	31	52	67	87	137
	750	60	17	23	39	51	66	104
14	1500	107	28	40	67	90	116	180
	1000	71	19	27	46	61	79	122
	750	53	14	21	35	47	60	93
16	1500	94	23	36	59	79	103	162
	1000	62	16	24	40	54	70	110
	750	47	12	19	31	41	53	84
18	1500	83	22	32	50	55	82	145
	1000	56	15	22	34	37	55	98
	750	41	12	17	26	28	42	75
20	1500	75	22	25	46	54	77	124
	1000	50	15	17	31	37	52	84
	750	38	11	13	24	28	40	64
22.4	1500	75	19	22	39	54	75	110
	1000	50	13	15	26	36	51	75
	750	38	10	12	20	28	39	57



SBH - SOLID GAD - Heavy Duty



Type	Input Shaft		Output Shaft		Dimensions (mm)																			Avg. Wgt.	Oil Qty.	
MODEL	ØD1	L1	ØD2	L2	A	C	C1	C2	H	h	Z	T	P	Q	ØK	B	F	W	N	M	X1	Y1	X	Y	KG	Ltr
SBH-315 S	85	170	150	210	1210	540	430	315	670	340	275	75	465	440	31	520	415	470	215	260	22	90.5	36	158.5	900	40
SBH-350 S	80	170	150	275	1365	600	475	350	880	455	295	90	505	500	31	600	475	550	230	355	22	85.5	36	158.5	1700	70
SBH-375 S	80	170	150	275	1440	655	495	375	890	460	315	90	530	550	31	615	475	565	230	355	22	85.5	36	158.5	1850	80
SBH-450 S	90	190	190	300	1680	750	600	450	1055	540	400	100	660	620	47	680	545	610	245	375	25	95.5	45	200.5	2500	130

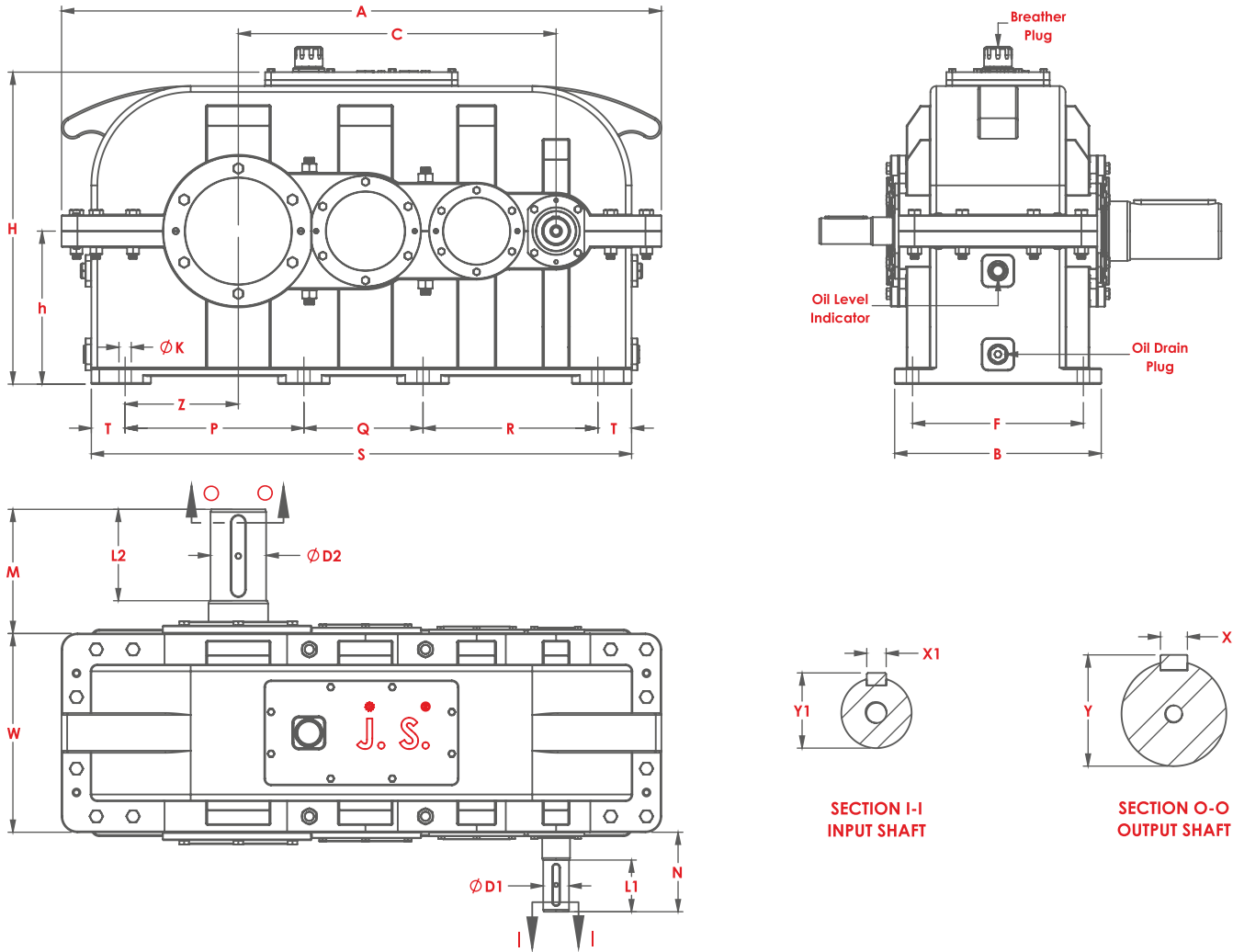


Nominal Rating Chart

RATIO	INPUT RPM	OUTPUT RPM	Two Stage Parallel Shaft Series / Power Rating Pn (kW)			
			SBH-315-S	SBH-350-S	SBH-375-S	SBH-450-S
In	N1	N2	Actual Ratio			
	1500	240	540	771	848	1203
	1000	160	365	522	574	814
6.3	750	120	279	398	438	621
	1500	210	489	717	789	1077
	1000	140	331	485	534	729
7.1	750	105	253	370	407	556
	1500	188	440	643	707	959
	1000	125	298	435	479	649
8	750	94	227	332	365	495
	1500	167	395	571	628	848
	1000	111	268	386	425	574
9	750	83	204	295	325	438
	1500	150	392	503	553	762
	1000	100	266	341	375	516
10	750	75	203	260	286	393
	1500	134	384	447	492	688
	1000	89	260	303	333	466
11.2	750	67	198	231	254	355
	1500	120	275	398	438	600
	1000	80	186	270	297	406
12.5	750	60	142	206	227	310
	1500	107	243	352	387	534
	1000	71	165	239	263	361
14	750	53	126	182	200	276
	1500	94	222	321	353	489
	1000	62	151	217	239	331
16	750	47	115	166	183	253
	1500	83	197	285	314	427
	1000	56	133	193	212	289
18	750	41	102	147	162	221
	1500	75	175	221	243	363
	1000	50	118	150	165	246
20	750	38	90	114	125	188
	1500	75	153	220	242	325
	1000	50	104	149	164	220
22.4	750	38	79	114	125	168



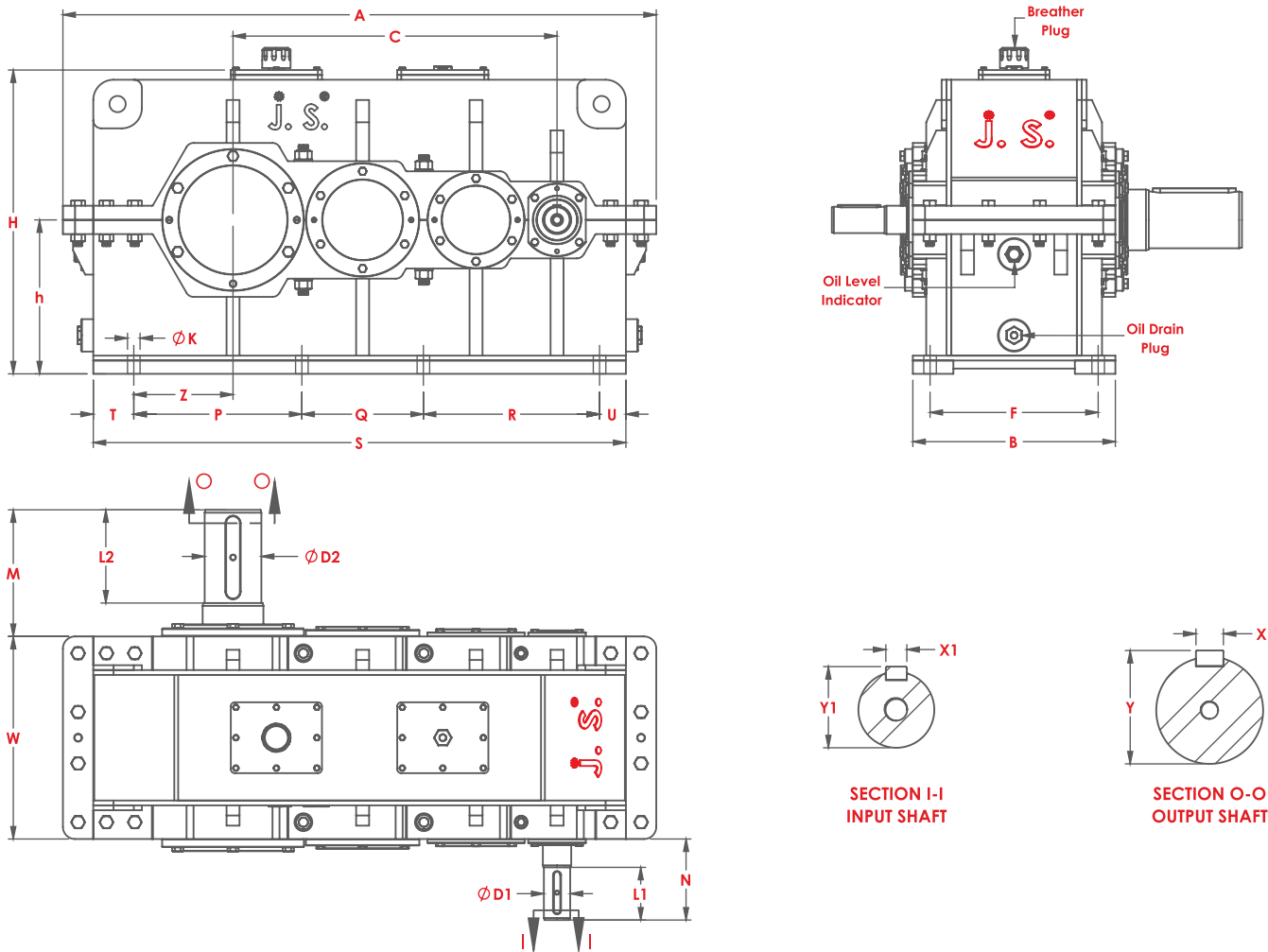
HC Series - CI



Type	Input Shaft	Output Shaft	Dimensions (mm)																				Avg. Wgt.	Oil Qty.		
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HC-250	24	50	42	70	250	470	250	135	77.5	25	350	N/A	N/A	400	160	170	140	70	98	14	8	27.5	12	45.5	50	4
HC-300	28	60	48	80	300	530	269	133	90	30	152	113	145	470	180	190	160	78	106	14	8	31.5	14	52	70	5
HC-350	28	80	55	100	350	645	343	170	135	25	220	135	165	570	240	255	215	112	127	16	8	31.5	16	59.5	130	12
HC-425	38	80	70	105	425	760	410	210	147	35	230	380	N/A	680	270	300	250	128	135	21	10	41.5	20	74.5	230	20
HC-500	48	100	90	150	500	890	505	250	170	42.5	270	195	260	810	295	295	245	135	185	21	14	52	25	95.5	355	25
HC-550	45	120	95	170	550	1020	495	250	183	45	305	195	315	905	365	380	315	170	235	21	14	49	25	100.5	540	45
HC-650	50	120	105	200	650	1190	630	315	225	57.5	380	230	335	1060	395	400	340	153	260	26	14	54	28	111.5	795	70
HC-725	60	100	130	200	725	1330	690	350	255	50	410	280	400	1190	440	440	370	155	275	29	18	64.5	32	137.5	1000	85
HC-800	65	130	140	230	800	1510	785	385	285	85	450	300	440	1360	500	520	430	200	310	31	18	69.5	36	148.5	1350	115
HC-900	75	140	170	250	900	1675	840	415	315	90	505	330	480	1495	590	610	510	210	350	37	20	80	40	179.5	2030	180
HC-1000	80	150	200	300	1000	1810	880	430	315	85	525	380	535	1610	640	640	530	220	395	38	22	85.5	45	210.5	2600	245



HC Series - Fabricated

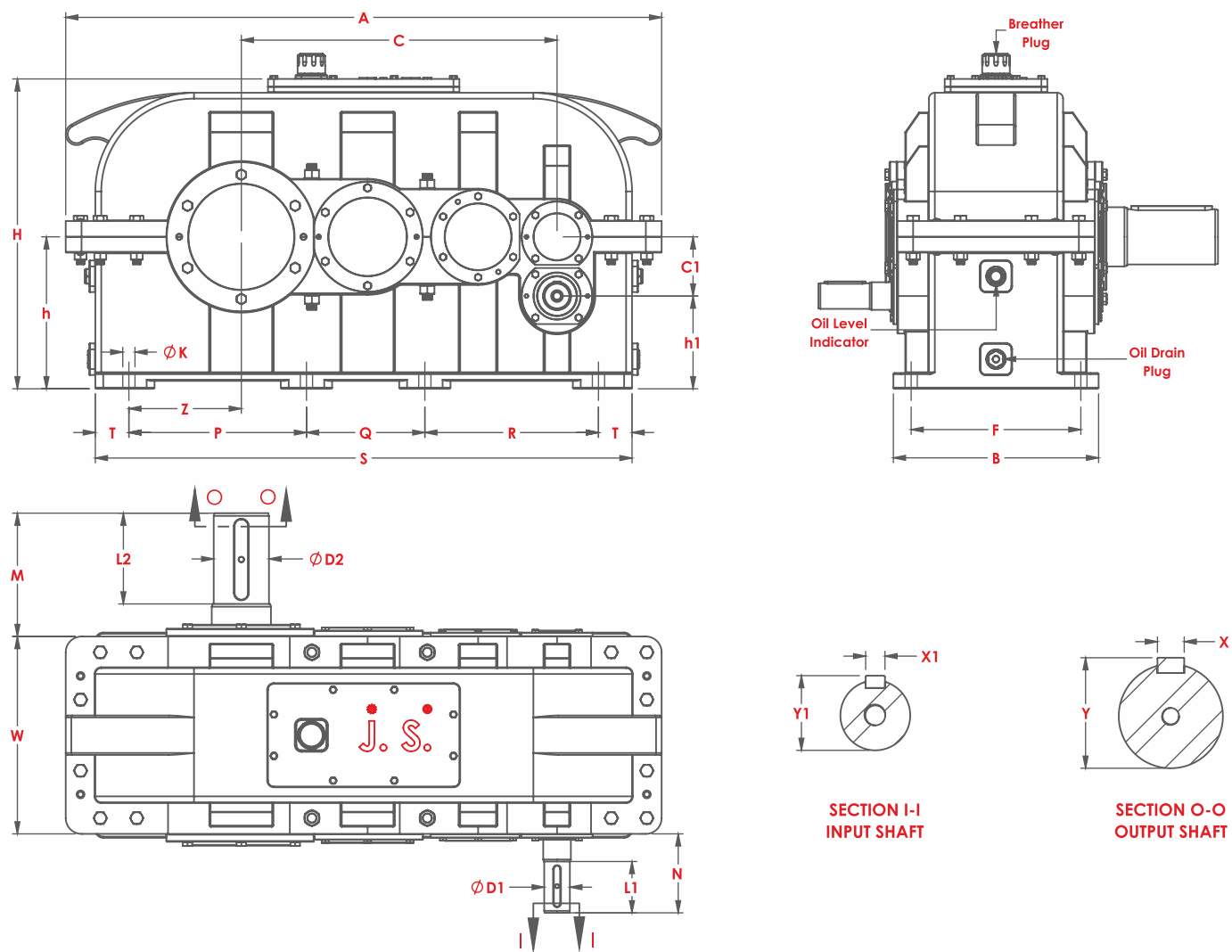


Type	Input Shaft	Output Shaft	Dimensions (mm)																							Avg. Wgt.	Oil Qty.
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HC-250 F	24	50	42	70	250	450	230	115	70	25	335	N/A	N/A	25	385	155	170	125	73	100	14	8	27.5	12	45.5	45	3
HC-300 F	28	60	48	80	300	540	280	140	95	30	150	120	150	25	475	180	190	150	78	106	14	8	31.5	14	50.5	70	4
HC-350 F	28	80	55	100	350	630	340	175	100	50	200	120	130	50	550	235	215	180	115	130	17	8	31.5	16	59.5	140	10
HC-425 F	38	80	70	105	425	780	400	200	150	35	230	155	225	35	680	270	300	250	130	135	18	10	41.5	20	74.5	200	16
HC-500 F	48	100	90	150	500	885	490	250	142	50	250	195	240	50	785	290	290	240	135	190	21	14	52	25	95.5	360	22
HC-550 F	45	120	95	170	550	1020	495	250	180	42.5	305	195	315	42.5	900	365	380	315	170	235	21	14	49	25	100.5	560	40
HC-650 F	50	120	105	200	650	1175	635	315	200	90	355	210	205	215	1075	400	395	320	151	260	27	14	54	28	111.5	880	55
HC-725 F	60	100	130	200	725	1320	660	340	200	100	385	240	385	70	1180	440	440	365	155	275	29	18	64.5	32	137.5	1100	70
HC-800 F	65	130	140	230	800	1465	750	380	245	100	415	300	435	65	1315	500	500	415	200	310	31	18	69.5	36	148.5	1315	100
HC-900 F	75	140	170	250	900	1690	840	430	295	92.5	470	335	500	92.5	1490	595	620	510	208	345	37	20	80	40	179.5	1970	145
HC-1000 F	80	150	200	300	1000	1800	805	425	310	80	525	380	535	80	1600	640	640	530	220	395	38	22	85.5	45	210.5	2520	200





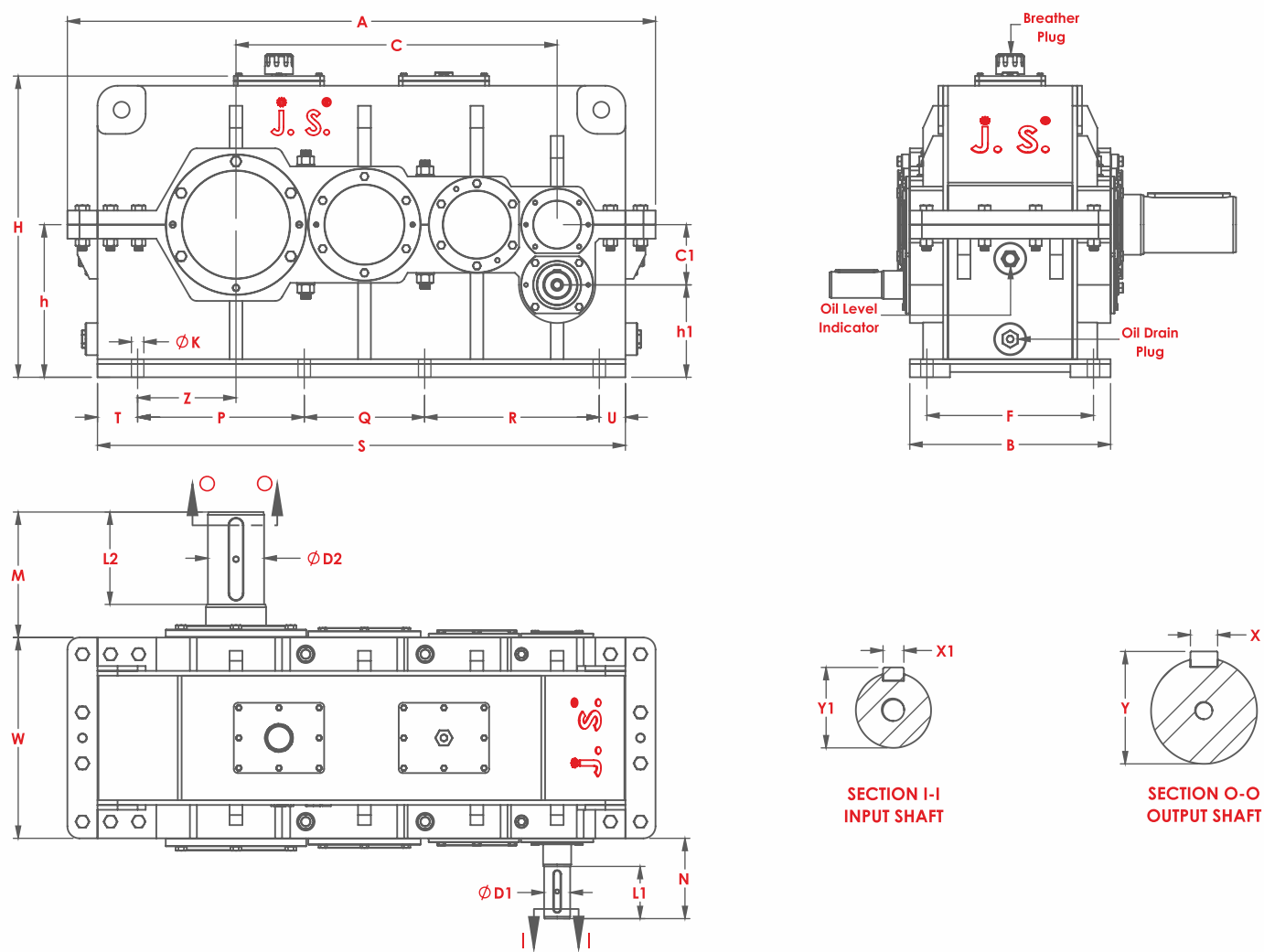
HD Series - CI



Type	Input Shaft		Output Shaft		Dimensions (mm)																				Avg. Wgt.	Oil Qty.		
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HD-500+90	34	75	90	150	500	890	505	250	90	160	170	42.5	270	195	260	810	295	295	245	115	185	21	10	37.5	25	95.5	415	22
HD-550+100	45	80	95	170	550	1020	495	250	100	150	183	45	305	195	315	905	365	380	315	135	235	21	14	49	25	100.5	580	30
HD-650+130	50	80	105	200	650	1190	630	315	130	185	225	57.5	380	230	335	1060	395	400	340	133	260	26	14	54	28	111.5	850	50
HD-725+150	60	100	130	200	725	1330	690	350	150	200	255	50	410	280	400	1190	440	440	370	155	275	29	18	64.5	32	137.5	1070	60
HD-800+150	60	130	140	230	800	1510	785	385	150	235	285	85	450	300	440	1360	500	520	430	178	310	31	18	64.5	36	148.5	1560	95
HD-900+180	70	140	170	250	900	1675	840	415	180	235	315	90	505	330	480	1495	590	610	510	205	350	37	20	75	40	179.5	2200	155
HD-1000+200	75	150	200	300	1000	1810	880	430	200	230	315	85	525	380	535	1610	640	640	530	220	395	38	20	80	45	210.50	2800	230



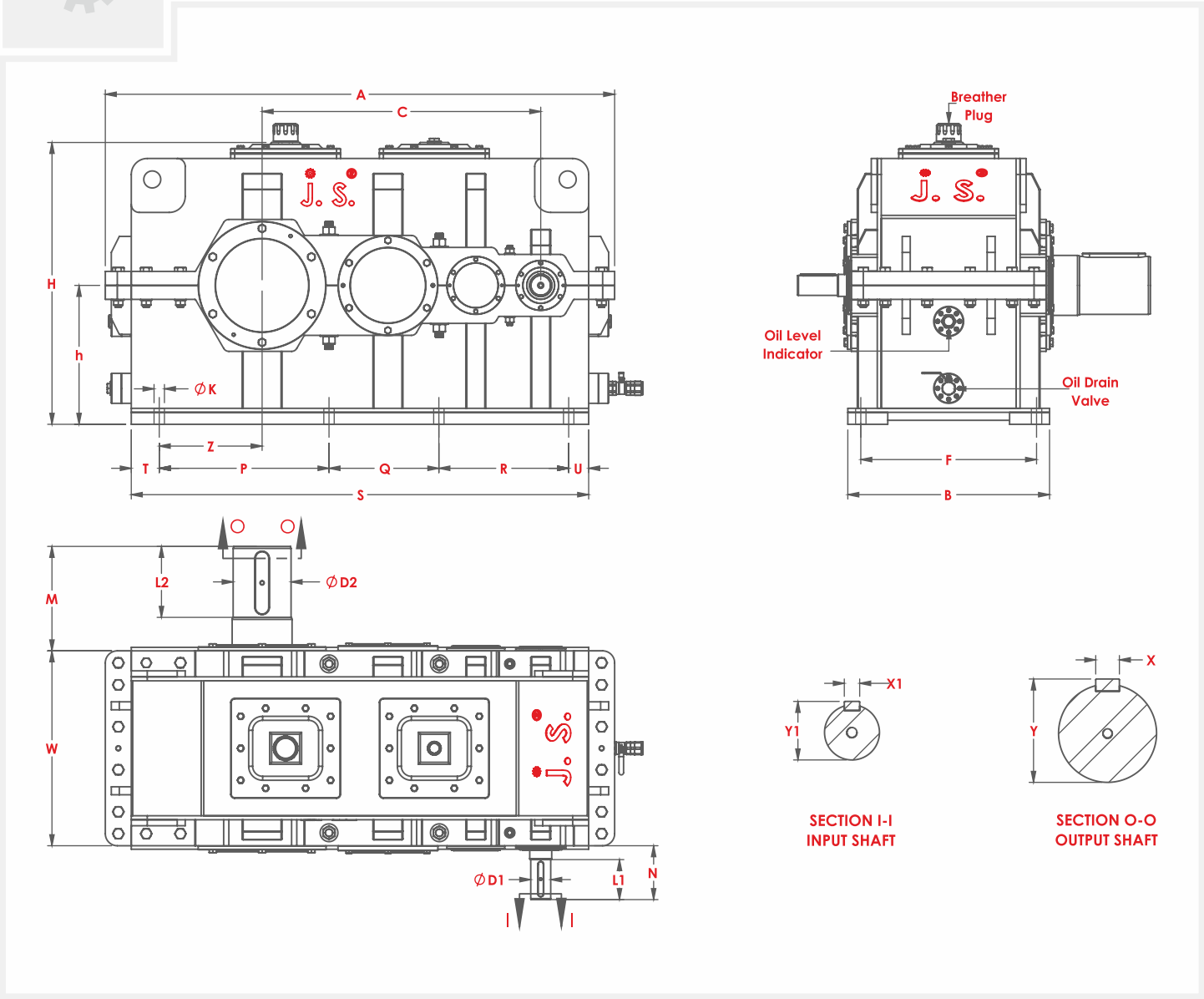
HD Series - Fabricated



Type	Input Shaft	Output Shaft	Dimensions (mm)																									Avg. Wgt.	Oil Qty.
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HD-500+90 F	34	75	90	150	550	885	490	250	90	160	142	50	250	195	240	50	785	290	290	240	118	190	21	10	37.5	25	95.5	380	22
HD-550+100 F	45	80	95	170	550	1020	495	250	100	150	180	42.5	305	195	315	42.5	900	365	380	315	135	235	21	14	49	25	100.5	580	30
HD-650+130 F	50	80	105	200	650	1175	634	317	130	187	200	90	355	210	205	215	1075	400	395	320	130	260	26	14	54	28	111.5	900	50
HD-725+150 F	60	100	130	200	725	1320	660	340	150	190	200	100	385	240	385	70	1180	440	440	365	155	275	29	18	64.5	32	137.5	1175	60
HD-800+150 F	60	130	140	230	800	1465	750	380	150	230	245	100	415	300	435	65	1315	500	500	415	178	310	31	18	64.5	36	148.5	1350	75
HD-900+180 F	70	140	170	250	900	1690	840	430	180	250	295	92.5	470	335	500	92.5	1490	595	620	510	203	345	37	20	75	40	179.5	2000	140
HD-1000+200 F	75	150	200	300	1000	1800	805	430	200	230	310	80	525	380	535	80	1600	640	640	530	220	395	38	20	80	45	210.5	2575	220



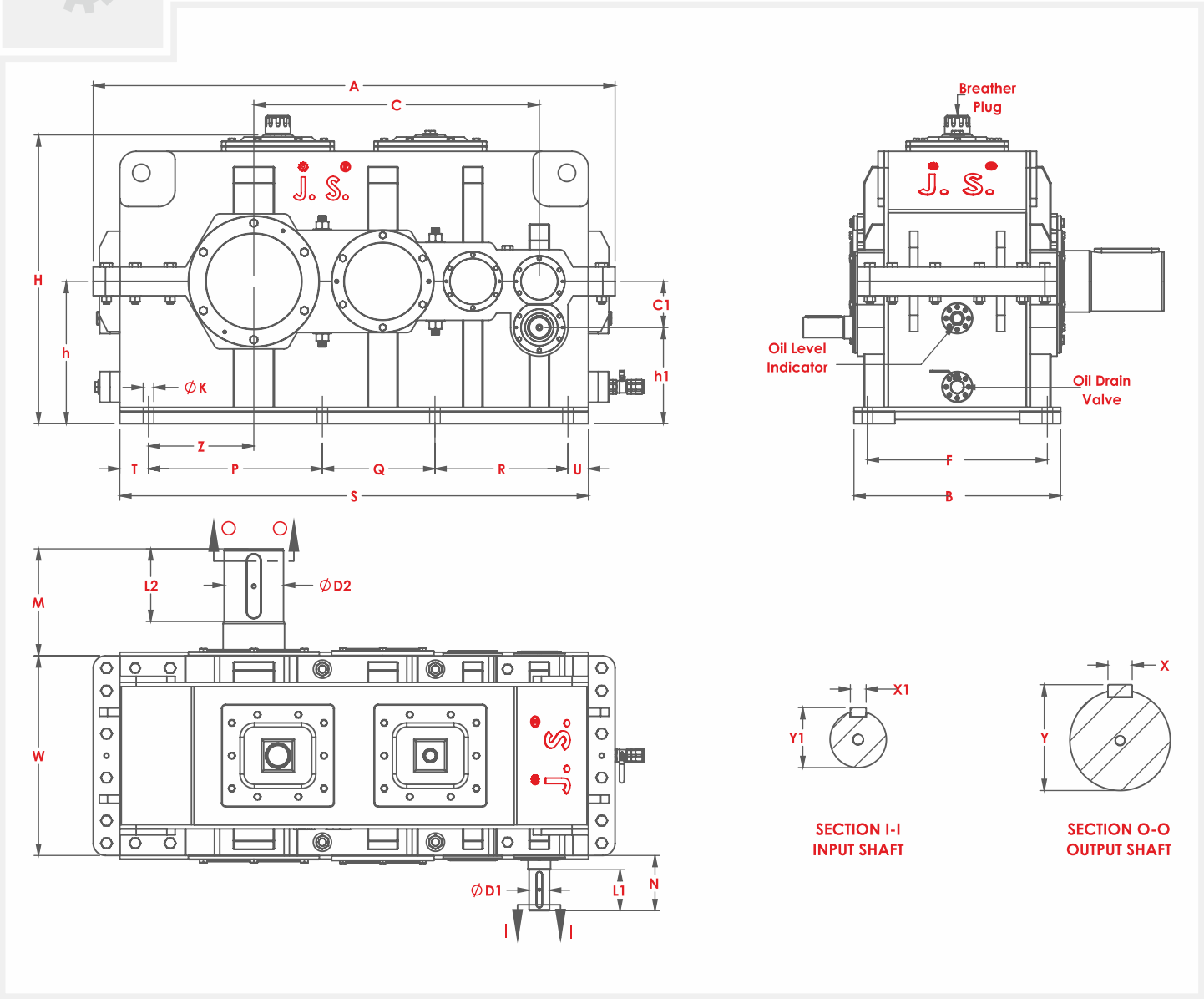
HC Series - Heavy Duty Fabricated



Type	Input Shaft	Output Shaft	Dimensions (mm)																				Avg. Wgt.	Oil Qty.			
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HC-1100 F	95	175	225	350	1100	2085	1000	520	315	175	600	350	600	110	1835	730	730	605	280	475	38	25	100.5	50	236.5	4100	210
HC-1235 F	100	185	270	400	1235	2350	1210	620	415	130	650	590	590	130	2090	800	840	710	280	510	38	28	106.5	63	284.5	5500	350
HC-1395 F	100	200	290	355	1395	2550	1400	695	515	140	850	550	650	100	2290	975	1010	880	270	525	52	28	106.5	70	305.5	8100	425
HC-1600 F	125	200	330	425	1600	2990	1540	765	555	140	970	555	835	140	2640	1110	1110	970	300	595	52	32	132.5	70	344.5	11000	500



HD Series - Heavy Duty Fabricated



Type	Input Shaft		Output Shaft		Dimensions (mm)																				Avg. Wgt.	Oil Qty.			
MODEL	ØD1	L1	ØD2	L2	C	A	H	h	C1	h1	Z	T	P	Q	R	U	S	W	B	F	N	M	ØK	X1	Y1	X	Y	KG	Ltr
HD-1100+225 F	95	175	225	350	1100	2085	1000	520	225	295	315	175	600	350	600	110	1835	730	730	605	280	475	38	25	100.5	50	236.5	4500	200
HD-1235+250 F	100	150	270	400	1235	2350	1210	620	250	370	415	130	650	590	590	130	2090	800	840	710	240	510	38	28	106.5	63	284.5	5800	335
HD-1395+225 F	100	185	290	355	1395	2550	1400	695	225	470	515	140	850	550	650	100	2290	975	1010	880	270	525	52	28	106.5	70	305.5	8600	375
HD-1600+315 F	125	200	330	425	1600	2990	1540	765	315	450	555	140	970	555	835	140	2640	1110	1110	970	300	595	52	32	132.5	70	344.5	11750	550

Nominal Rating Chart													
RATIO	INPUT RPM	OUTPUT RPM	Three Stage HC Series / Power Rating Pn (kW)										
In	N1	N2	HC-250	HC-300	HC-350	HC-425	HC-500	HC-550	HC-650	HC-725	HC-800	HC-900	HC-1000
			Actual Ratio										
25	I/P RPM	O/P RPM	25.92	25.24	25.59	26.90	25.76	25	25	25	25	25	25
	1500	60	5.50	7.50	19	39	47.42	86.40	119.80	148.03	237.88	324.28	434.30
	1000	40	3.70	5.50	15	30	39	59.90	86.40	98.49	255.20	226.94	291.45
	750	30	2.96	4.40	12	24	31.20	47.92	69.12	78.79	204.16	181.55	233.16
31.5	I/P RPM	O/P RPM	31.10	31.50	31.74	31.50	32.13	32.25	31.50	31.50	31.50	31.50	31.50
	1500	48	5	7	15	32.16	44.85	76.16	104.32	131.20	232.32	307.84	384.64
	1000	32	3	5	12	25.08	20.20	50.56	69.76	87.68	160	204.16	256.64
	750	24	2.40	4	9.60	20.06	16.16	40.44	55.80	70.14	128	163.32	205.31
35.5	I/P RPM	O/P RPM	36.68	36.60	35.50	33.67	36.12	35.50	35.50	37.82	35.50	34.15	34.52
	1500	42	4.50	6	13	41.40	55.44	78.48	110.88	133.20	252	310.32	390.96
	1000	28	2.50	4.50	11	27	37.44	52.56	74.16	89.28	166.33	207.36	260.64
	750	21	2	3.60	8.80	21.60	29.95	42.04	59.32	71.42	133.06	165.88	208.51
40	I/P RPM	O/P RPM	39.73	41.15	39.73	41.51	41.38	40.41	39.13	40	40	40	41.52
	1500	38	4	5	11	43	56	78.40	108.80	132.80	240	310.40	387.20
	1000	25	2.20	4	9.50	28	37.60	52	72.80	88.80	164.80	204.80	258.40
	750	19	1.76	3.20	7.60	22.40	30.08	41.60	58.24	71.04	131.84	163.84	206.72
45	I/P RPM	O/P RPM	46.58	45	45	45	45	45	46.89	46.57	45.80	44.34	47.68
	1500	33	3.70	4	10.50	36	50.40	68.80	97.60	119.20	220	275.20	348.80
	1000	22	2	2.20	8	25	33.60	46.40	65.60	80	150.40	180	232.80
	750	17	1.60	1.76	6.40	22.50	26.88	37.12	52.48	64	120.32	144	186.24
50	I/P RPM	O/P RPM	50	49.63	49.30	49.63	49.53	50.42	50	51.06	50	52.08	50
	1500	30	3	3.72	9	32	44.80	62.40	89.60	104	200	244.80	304
	1000	20	1.70	2	7	22	29.60	43.20	60	69.60	135.20	164.80	203.20
	750	15	1.36	1.60	5.60	17.60	23.68	34.56	48	55.68	108.16	131.84	162.56
56	I/P RPM	O/P RPM	56.24	56	57.10	56	53.76	57.44	57.19	56	56	56	54.69
	1500	27	2.50	3	7.20	28	39.20	55.20	79.20	93.60	175.20	220	271.20
	1000	18	1.60	1.70	5.90	19	27.20	38.40	52.80	62.40	120	144.80	180.80
	750	13	1.28	1.36	4.72	15.20	21.76	30.72	42.24	49.92	96	115.84	144.64
63	I/P RPM	O/P RPM	66.65	61.26	63	61.71	64.35	62.02	68.60	60.01	63	65.22	65.78
	1500	24	2	2.50	6	24	35.20	47.20	65.60	84	150.40	195.20	244.80
	1000	16	1.40	1.60	4.80	16	24	31.20	43.20	56	104.80	130.40	163.20
	750	12	1.12	1.28	3.84	12.80	19.20	24.96	34.56	44.80	83.84	104.32	130.56

Nominal Rating Chart													
RATIO	INPUT RPM	OUTPUT RPM	Three Stage HC Series / Power Rating Pn (kW)										
In	N1	N2	HC-250	HC-300	HC-350	HC-425	HC-500	HC-550	HC-650	HC-725	HC-800	HC-900	HC-1000
			Actual Ratio										
71	I/P RPM	O/P RPM	71	72.49	70.85	72.71	71	72.40	71.56	69.46	72.85	71.61	75.45
	1500	21	1.80	2.20	5.70	21	32	41.60	58.40	79.20	135.20	175.20	216
	1000	14	1.20	1.50	4.50	14	21.60	28	39.20	52.80	92	115.20	144
	750	11	0.96	1.20	3.60	11.20	17.28	22.40	31.36	42.24	73.60	92.16	115.20
80	I/P RPM	O/P RPM	78.24	78.08	83.74	80.91	78.53	80.49	82.29	85.52	83.97	83.35	81.16
	1500	19	1.40	1.80	5	19	28.80	36	55.20	70.40	120	155.20	206.40
	1000	13	1	1.20	4	13	19.20	24	34.40	47.20	82.40	100	137.60
	750	9	0.80	0.96	3.20	10.40	15.36	19.20	27.52	37.76	65.92	80	110.08
90	I/P RPM	O/P RPM	90	90	90	88.40	91.17	93.97	91.29	92.46	90	90	95.16
	1500	17	1.20	1.50	4.70	17	25.60	32.80	46.40	63.20	112	140	184
	1000	11	0.80	1.10	3.70	11	17.60	21.60	31.20	42.40	75.20	92	122.40
	750	8	0.64	0.88	2.96	8.80	14.08	17.28	24.96	33.92	60.16	73.60	97.92
100	I/P RPM	O/P RPM	--	97.20	99.19	98.38	98.97	101.45	97.59	107.80	100	99.46	102.36
	1500	15	--	1.40	4.50	17	22.40	28.80	44	56.80	104.80	134.40	165.60
	1000	10	--	1	3.50	11	15.20	19.20	29.60	37.60	70.40	89.60	110.40
	750	8	--	0.80	2.80	8.80	12.16	15.36	23.68	30.08	56.32	71.68	88.32
112	I/P RPM	O/P RPM	--	--	--	--	--	--	114.23	116.55	113.25	109.20	113.49
	1500	13	--	--	--	15	20.80	25.60	38.40	49.60	97.60	115.20	146.40
	1000	9	--	--	--	9.60	13.60	17.60	25.60	32.80	65.60	75.20	97.60
	750	7	--	--	--	7.68	10.88	14.08	20.48	26.24	52.48	60.16	78.08
120	I/P RPM	O/P RPM	--	121.44	119.14	116.05	116.65	122.03	122.11	--	--	122.58	124.80
	1500	13	--	1.10	4	13	17.60	22.40	35.20	45.60	90.40	105.60	137.60
	1000	8	--	0.80	3	8	12	15.20	22.40	29.60	60.80	65.60	88
	750	6	--	0.64	2.40	6.40	9.60	12.16	17.92	23.68	48.64	52.48	70.40
140	I/P RPM	O/P RPM	--	--	141.11	140.13	135.43	142.40	135.47	136.07	142.84	133.38	143.14
	1500	11	--	1	3.70	9.60	14.40	20	32	40	83.20	96	128
	1000	7	--	0.70	2.80	6.40	9.60	13.60	19.20	25.60	55.20	60.80	78.40
	750	5	--	0.56	2.24	5.12	7.68	10.88	15.36	20.48	44.16	48.64	62.72
150	I/P RPM	O/P RPM	--	--	--	--	147.02	--	147.97	--	--	146.45	--
	1500	10	--	--	--	--	13	--	30	--	--	91	--
	1000	7	--	--	--	--	9	--	18	--	--	58	--
	750	5	--	--	--	--	7	--	14	--	--	46	--



Nominal Rating Chart

RATIO	INPUT RPM	OUTPUT RPM	Four Stage HC Series / Power Rating Pn (kW)						
			HD-500+90	HD-550+100	HD-650+130	HD-725+150	HD-800+150	HD-900+180	HD-1000+200
			Actual Ratio						
In	N1	N2							
	1500	9.4	15.12	21	28.56	41.16	66.36	79.80	101.64
	1000	6.3	10.08	15.12	19.32	27.72	44.52	53.76	68.04
160	750	4.7	8.06	12.09	15.45	22.17	35.61	43	54.43
	1500	8.3	12.60	20.16	26.04	32.76	59.64	72.24	84
	1000	5.6	8.23	12.60	17.64	21.84	40.32	48.72	57.12
180	750	4.2	6.58	10.08	14.11	17.47	32.25	38.97	45.70
	1500	7.5	10.92	15.96	23.52	28.56	53.76	65.52	77.49
	1000	5	7.47	10.92	15.12	19.32	36.12	42.84	51.24
200	750	3.8	5.98	8.73	12.09	15.45	28.90	34.27	40.99
	1500	6.7	10.08	15.12	20.16	25.20	47.04	57.96	68.88
	1000	4.5	6.72	9.24	14.28	16.80	31.92	38.64	45.36
224	750	3.3	5.37	7.39	11.42	13.44	25.54	30.91	36.29
	1500	6	8.40	12.60	18.48	22.68	42	50.40	59.64
	1000	4	5.88	9.24	12.60	15.12	28.56	33.60	40.32
250	750	3	4.70	7.39	10.08	12.09	22.84	26.88	32.26
	1500	5.4	7.98	11.76	15.96	21	37.80	46.20	54.60
	1000	3.6	5.37	7.89	10.92	13.44	25.20	30.24	36.12
280	750	2.7	4.30	6.31	8.74	10.75	20.16	24.19	28.90
	1500	4.8	7.05	10.08	13.44	18.48	33.60	41.16	48.72
	1000	3.2	4.70	6.80	10.08	12.60	21.84	26.04	31.08
315	750	2.4	3.76	5.44	8.06	10.08	17.47	20.83	24.86
	1500	4.2	6.13	9.24	13.44	16.80	30.24	36.96	42.84
	1000	2.8	4.11	6.30	8.40	10.92	20.16	24.36	28.56
355	750	2.1	3.29	5.04	6.72	8.74	16.12	19.49	22.84



Nominal Rating Chart

RATIO	INPUT RPM	OUTPUT RPM	Four Stage HC Series / Power Rating Pn (kW)						
			HD-500+90	HD-550+100	HD-650+130	HD-725+150	HD-800+150	HD-900+180	HD-1000+200
			Actual Ratio						
In	N1	N2							
	1500	3.8	5.63	8.40	11.76	15.12	27.72	32.76	37.80
	1000	2.5	3.78	5.29	7.89	10.08	17.64	21	25.20
400	750	1.9	3.02	4.23	7.50	8.06	14.11	16.80	20.16
	1500	3.3	5.29	7.89	10.08	13.44	21.84	30.24	38.64
	1000	2.2	3.52	5.29	6.97	8.40	15.12	20.16	26.04
450	750	1.7	2.82	4.23	5.57	6.72	12.09	19.15	20.83
	1500	3	4.78	7.47	9.24	11.76	--	26.88	31.08
	1000	2	3.19	4.95	6.30	7.90	--	18.48	21
500	750	1.5	2.55	3.96	5.04	6.32	--	17.55	16.80
	1500	2.7	4.11	6.97	8.40	10.92	--	23.52	27.72
	1000	1.8	2.77	4.53	5.54	7.06	--	15.96	18.48
560	750	1.3	2.21	3.62	4.43	5.64	—	12.76	14.78

Nominal Rating Chart						
RATIO	INPUT RPM	OUTPUT RPM	Three Stage HC Series / Power Rating Pn (kW)			
In	N1	N2	HC-1100 F	HC-1235 F	HC-1395 F	HC-1600 F
25	1500	60	773	1095	1448	2115
	1000	40	548	780	1012	1508
	750	30	438	624	810	1206
31.5	1500	48	615	878	1155	1695
	1000	32	435	615	803	1200
	750	24	348	492	642	960
35.5	1500	42	578	825	1072	1590
	1000	28	383	540	412	1058
	750	21	306	432	330	846
45	1500	33	465	660	862	1282
	1000	22	341	480	570	855
	750	17	273	384	456	684
50	1500	30	412	585	772	1155
	1000	20	274	390	518	765
	750	15	219	312	414	612
63	1500	24	330	472	608	915
	1000	16	225	322	420	615
	750	12	180	258	336	492
80	1500	19	262	372	480	720
	1000	13	180	255	338	487
	750	9	144	204	270	390
90	1500	17	240	342	450	660
	1000	11	158	225	296	427
	750	8	126	180	237	342

Nominal Rating Chart						
RATIO	INPUT RPM	OUTPUT RPM	Three Stage HC Series / Power Rating Pn (kW)			
In	N1	N2	HC-1100 F	HC-1235 F	HC-1395 F	HC-1600 F
100	1500	15	217	308	405	585
	1000	10	142	202	270	390
	750	8	114	162	216	312
112	1500	13	192	270	356	517
	1000	9	127	184	243	352
	750	7	102	147	194	282
120	1500	13	162	225	300	442
	1000	8	112	162	210	300
	750	6	90	130	168	240
140	1500	11	135	180	255	360
	1000	7	98	135	180	248
	750	5	78	108	144	198
150	1500	10	108	144	204	288
	1000	7	78	108	144	198
	750	5	62	86	115	159

Nominal Rating Chart						
RATIO	INPUT RPM	OUTPUT RPM	Four Stage HC Series / Power Rating Pn (kW)			
In	N1	N2	HD-1100+225 F	HD-1235+250 F	HD-1395+225 F	HD-1600+315 F
140	1500	10.7	154	218	285	413
	1000	7.1	101	143	188	274
	750	5.4	81	114	150	219
160	1500	9.4	135	191	255	371
	1000	6.3	90	128	169	248
	750	4.7	72	102	135	198
180	1500	8.3	120	169	221	326
	1000	5.6	79	112	150	218
	750	4.2	63	90	120	174
200	1500	7.5	109	154	203	296
	1000	5	72	101	135	195
	750	3.8	58	81	108	156
224	1500	6.7	98	139	180	266
	1000	4.5	65	90	120	176
	750	3.3	52	72	96	141
250	1500	6	86	124	161	236
	1000	4	58	83	109	158
	750	3	46	66	87	126
280	1500	5.4	75	109	143	206
	1000	3.6	50	71	94	139
	750	2.7	40	57	75	111
315	1500	4.8	68	98	128	188
	1000	3.2	45	65	86	124
	750	2.4	36	52	69	99

Nominal Rating Chart						
RATIO	INPUT RPM	OUTPUT RPM	Four Stage HC Series / Power Rating Pn (kW)			
In	N1	N2	HD-1100+225 F	HD-1235+250 F	HD-1395+225 F	HD-1600+315 F
355	1500	4.2	62	86	116	169
	1000	2.8	40	56	74	109
	750	2.1	32	45	59	87
400	1500	3.8	53	75	101	146
	1000	2.5	36	51	68	98
	750	1.9	29	41	54	78
450	1500	3.3	49	69	90	131
	1000	2.2	32	45	61	86
	750	1.7	26	36	49	69
500	1500	3	44	62	83	116
	1000	2	29	41	54	79
	750	1.5	23	33	43	63
560	1500	2.7	38	53	71	105
	1000	1.8	26	37	49	71
	750	1.3	21	30	39	57



Since : 1990

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