

mekanord **selection guide**



150 H5 3-PTO



150 H50-1-PTO



400 H5-3-PTO



TWIN IN SINGLE OUT 1400/450HS - SPECIAL

mekanord C.P.-GEARBOX SELECTION GUIDE

COMPACT GEARBOX				IN	OUT
TYPE	Red. ratio	ISO 5075	ISO 5075	ISO 5075	
200-80C	2.5/1	0.500	0.504	400	400
	3.0/1	0.333	0.335	300	300
	3.5/1	0.286	0.288	280	280
250-80C	1.8/1	0.556	0.576	400	400
	2.0/1	0.500	0.488	350	350
	2.5/1	0.400	0.400	300	300
	3.0/1	0.333	0.335	250	250
300-80C	1.75/2.00/2.50/3.0/1	0.571	0.580	300	300
	3.0/1	0.333	0.334	200	200

GEARBOX				IN	OUT
TYPE	Red. ratio	ISO 5075	ISO 5075	ISO 5075	
100-80L	1.8/2.00/2.50/1	0.556	0.576	250	240
	3.0/1	0.333	0.335	150	240
150-80L	4.0/1	0.250	0.253	170	240
	4.5/1	0.222	0.225	150	200
200-80L	1.8/2.00/2.50/3.00/1	0.556	0.577	250	200
	3.0/3.50/4.5/5.0/1	0.333	0.337	200	180
250-80L	5.0/1	0.200	0.203	150	180
	5.5/1	0.182	0.185	130	170
	6.0/1	0.167	0.170	120	150
300-80L	2.40/3.0/3.50/1	0.417	0.420	400	240
	4.70/4.50/5.10/5.5/1	0.213	0.217	300	400
350-80L	1.80/2.00/2.50/3.00/1	0.556	0.578	300	300
	4.70/4.50/5.10/1	0.213	0.217	250	300
400-80L	5.50/1	0.182	0.184	400	300
	6.00/1	0.167	0.169	350	300
	6.50/1	0.154	0.156	300	300
	7.00/1	0.143	0.145	250	300
500-80L	1.80/2.00/2.50/1	0.556	0.574	500	250
	4.70/4.50/5.10/5.50/1	0.213	0.217	400	500

GEARBOX				IN	OUT
TYPE	Red. ratio	ISO 5075	ISO 5075	ISO 5075	
600-80L	2.00/2.50/3.00/3.50/1	0.500	0.514	600	300
	5.0/5.50/1	0.200	0.205	300	300
600-80L	5.00/1	0.200	0.203	300	300
	6.00/1	0.167	0.170	250	300
	6.50/1	0.154	0.157	200	300
	7.00/1	0.143	0.145	150	300
800-80L	1.80/2.00/2.50/1	0.556	0.574	800	300
	3.00/3.50/4.00/4.50/1	0.333	0.337	600	300
	5.00/1	0.200	0.200	400	300
	6.00/1	0.167	0.168	300	300

REMARKS				W1	W2
TYPE	Red note	EXPENSE	REVENUE	BANK NOTE	
500-D	0.11-0.20-1	0.00	0.70	80	110
	0.21-1	0.00	0.80	80	110
	0.21	0.00	0.70	70	100
	0.21	0.00	0.80	80	100
500-1000-D	1.00-0.20-0.80-1	0.00	0.80	100	100
	1.10-0.40-0.10-0.60-1				
	0.21-1	0.00	0.80	80	100
500-1000-D	0.21-1	0.00	0.70	80	110
	0.11-1	0.00	0.70	80	100
500-D	0.21-1	0.00	1.10	100	100
	0.21-1	0.00	1.00	100	100
	0.21-1	1.00	1.00	100	100
	0.21-1	1.00	1.70	100	100
	0.21-1	0.00	1.20	100	100
	0.21-1	0.00	1.20	100	100
	0.21-1	0.00	1.20	100	100
	0.21-1	0.00	1.20	100	100
	0.21-1	0.00	1.00	100	100
	0.21-1	0.00	0.80	100	100

REMARKS			
TYPE	Red note	EXPENSE	REVENUE
500-D	1.00-0.20-0.20-0.60-1	1.00	1.00
	0.21-1	1.00	1.00
	0.21-1	1.00	1.70
	0.21-1	1.00	1.70
	0.21-1	0.00	1.00
500-1000-D	0.21-1	0.00	0.70
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
	0.21-1	0.00	0.80
500-D	1.00-0.20-0.70-1	0.00	0.00
	0.21-1	0.00	0.70
	0.10-0.20-1	0.00	0.00
	0.21-1	0.00	0.00
	0.21-1	1.00	0.00
	0.21-1	1.00	0.00
	0.21-1	1.00	0.00
500-D	1.00-0.20-0.80-1	0.00	0.00
	0.21-1	0.00	0.00
	0.21-1	0.00	0.00
	0.21-1	0.00	0.70
	0.21-1	0.00	0.00
	0.21-1	0.00	0.00
	0.21-1	0.00	0.00

SLAB/CH

TYPE	Red. rate	WSPFM	SPSPFM
100-CH	3.00-3.50.1	6.000	6.700
	3.00.1	6.700	7.700
	4.00.1	6.000	6.000
	4.00.1	4.700	5.070
	4.00.1	3.000	4.000
	5.00.1	3.000	3.070
	5.00.1	3.500	3.400
	6.00.1	3.700	3.600
	6.00.1	7.000	7.400
	7.00.1	7.000	7.000
300-CH	3.00-3.00-3.00.1	6.000	6.700
	4.70.1	6.000	7.000
	4.40.1	6.000	6.000
	4.00.1	3.000	3.700
	5.00.1	3.700	5.000
	6.00.1	3.700	4.700
	6.70.1	3.000	3.500
	7.00.1	3.000	3.700

SLAB/CH

TYPE	Red. rate	WSPFM	SPSPFM
1400-CH-CH	3.00-4.00-5.00.1	300.000	300.00
	6.70.1	300.00	300.00
	7.00.1	300.00	300.00
3000-CH	4.00-4.00-5.00-5.00.1	300.00	300.00
	6.00.1	300.00	300.00
	6.00.1	300.00	300.00
	7.00.1	300.00	300.00
4000-CH	4.00-4.00.1	300.00	300.00
	6.00.1	300.00	300.00
	7.00.1	300.00	300.00
6000-CH	4.00.1	300.00	300.00
	6.00.1	300.00	300.00
	7.00.1	300.00	300.00

In most cases above mentioned ratings are accepted in full by major classification societies. If classification is required, contact Mekanord regarding proper procedures (also for yacht service and ice classification services).
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mekanord C.P.-gearboxes

Mekanord a/s is an engineering company manufacturing a range of standard C.P.-gearboxes of own design covering app. 200HP up to 6000HP.

Mekanord gearboxes feature:

- Integrated complete hydraulic servosystem for Pitch Control or for O.D. box.
- Compact design.
- Possibility for high reduction ratios allowing large dia slowly rotating propellers with high efficiency resulting in higher thrust and lower fuel consumption.
- Possibility for 1, 2 or 3 PTO's with independent hydraulic clutch.
- Reference list comprising all major propeller makes and engine makes.

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