

LOW-SPEED

Engine type & application	Engine				Controllable-pitch propellers				
	Cyl	P [kW]	n [rpm]	E [mm]	D [mm]	Hub	T [mm]	J [mm]	S [mm]
UEC37LSII (tankers, bulk carriers)	5	3 860	186	4 243	3 800–4 000	4D1000	1 750	1 228	1 315
	6	4 635	186	4 893	3 950–4 100	4D1095	1 900	1 344	1 315
	7	5 405	186	5 543	4 100–4 250	4D1190	2 300	1 457	1 495
	8	6 180	186	6 193	4 200–4 400	4D1300	2 400	1 574	1 495
UEC43LSII (tankers, bulk carriers)	4	4 200	160	4 090	4 200–4 400	4D1095	2 000	1 344	1 495
	5	5 250	160	4 846	4 400–4 600	4D1190	2 100	1 457	1 495
	6	6 300	160	5 602	4 600–4 800	4D1300	2 600	1 547	1 780
	7	7 350	160	6 358	4 750–4 900	4D1300	2 600	1 547	1 780
UEC45LSE (tankers, bulk carriers)	8	8 400	160	7 114	4 850–5 150	4D1540	2 700	1 916	1 780
	5	6 225	130	5 530	5 150–5 350	4D1300	2 600	1 547	1 780
	6	7 470	130	6 322	5 400–5 550	4D1415	3 500	1 767	1 780
	7	8 715	130	7 114	5 550–5 800	4D1540	3 600	1 916	1 950
RTA48T-D (tankers, bulk carriers)	8	9 960	130	7 906	5 750–5 900	4D1540	3 700	1 916	1 950
	5	7 250	127	5 917	5 400–5 600	4D1415	3 500	1 767	1 780
	6	8 730	127	6 751	5 650–5 850	4D1540	3 700	1 916	1 950
	7	10 185	127	7 585	5 850–6 050	4D1540	4 000	1 916	1 950
RTA52U (tankers, bulk carriers)	8	11 640	127	8 419	6 000–6 250	4E1540	4 200	2 321	2 160
	5	7 800	135	6 655	5 300–5 550	4D1415	3 500	1 767	1 780
	6	9 360	135	7 575	5 550–5 750	4D1540	3 900	1 916	1 950
	7	10 920	135	8 495	5 750–5 950	4E1415	4 000	2 128	1 950
RT-flex50-D (tankers, bulk carriers)	8	12 480	135	9 415	5 900–6 100	4E1540	4 200	2 321	2 160
	5	8 725	124	6 213	5 650–5 850	4D1415	3 800	1 767	1 950
	6	10 470	124	7 093	5 900–6 100	4D1540	3 900	1 916	1 950
	7	12 215	124	7 973	6 100–6 300	4E1540	4 000	2 321	2 160
RT-flex50-D (containers)	8	13 960	124	8 853	6 250–6 500	4E1680	4 200	2 514	2 335
	5	8 725	124	6 213	5 350–5 600	4D1415	3 500	1 767	1 780
	6	10 470	124	7 093	5 550–5 800	4D1415	3 900	1 767	1 950
	7	12 215	124	7 973	5 800–6 000	4E1415	4 200	2 128	2 160
RTA58T-D RT-flex58T-D (tankers, bulk carriers)	8	13 960	124	8 853	5 950–6 200	4E1540	4 200	2 321	2 335
	5	11 300	105	6 985	6 550–6 850	4E1540	4 200	2 321	2 160
	6	13 560	105	7 991	6 850–7 100	4E1680	4 400	2 514	2 335
	7	15 820	105	8 997	7 050–7 350	4E1835	4 400	2 726	2 335
RT-flex60C-B (containers)	8	18 080	105	10 003	7 250–7 550	4E1835	5 000	2 726	2 505
	5	12 100	114	7 211	6 100–6 350	4E1540	4 200	2 321	2 160
	6	14 520	114	8 251	6 350–6 600	4E1540	4 300	2 321	2 335
	7	16 940	114	9 291	6 550–6 850	4E1680	4 800	2 514	2 335
	8	19 360	114	10 331	6 800–7 050	4E1835	5 100	2 726	2 505

W [mm]	Package weight (tonnes)
460	96
490	111
525	128
575	144
490	120
525	143
575	166
575	186
655	218
575	192
610	224
655	257
655	289
610	200
655	241
655	263
345	296
610	239
655	275
320	309
345	346
610	231
655	263
345	300
375	334
610	230
610	258
320	295
345	327
345	328
375	379
400	448
400	493
345	315
345	372
375	439
400	502

Notes: Above table provides rough guidance for a low-speed propulsion package; detailed engineering to be performed for specific project

- CPP Standard four-bladed controllable-pitch propeller, for special applications five-bladed CPP on request
- Further details are given in this booklet, section 'Propulsors'
- D Propeller diameter.
- The diameter ranges are chosen for optimal propulsive efficiency, which includes the open water efficiency, but the effect of the hull efficiency as well.
- The tankers and bulkers have the following parameters: $V_s = 15$ knots, wake fraction = 0,3 and blade area ratio estimated at 0,55.
- The container ships have the following parameters: $V_s = 20$ knots, wake fraction = 0,25 and blade area ratio estimated at 0,65.
- E Length of engine
- S Minimum length of shaft with oil distribution box
- T Minimum length of sterntube in case of two sterntube bearing arrangement
- J Length of propeller hub
- W Dismantling length
- Weight The package weight is based on dry engine and 12m shaftline
- The propellers are based on 'no ice' but are available up to the highest ice classes with related enforcement
- FPP Fixed-pitch propeller diameters are in the same range as above proposed CPP diameters

