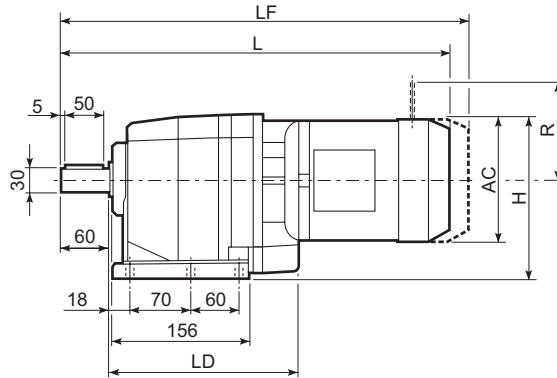
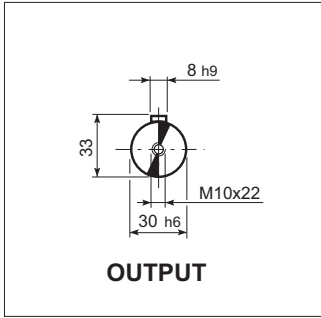
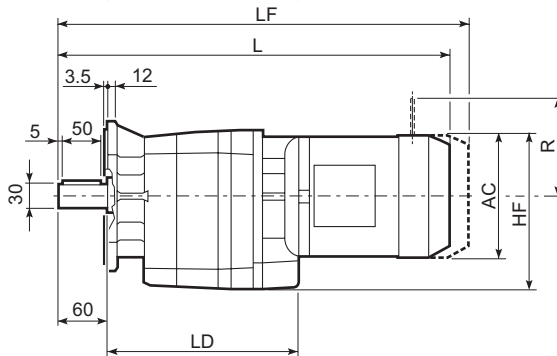
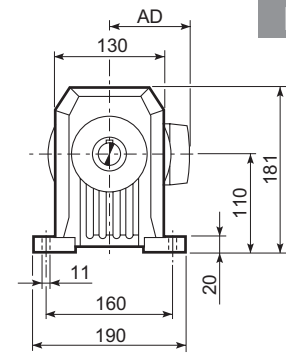


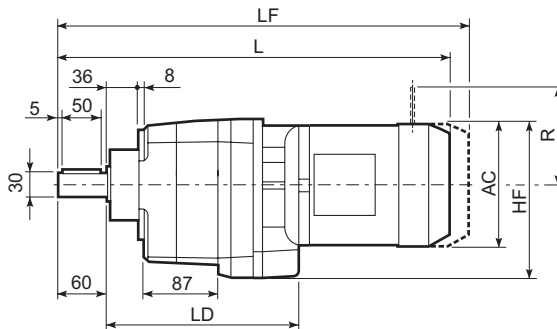
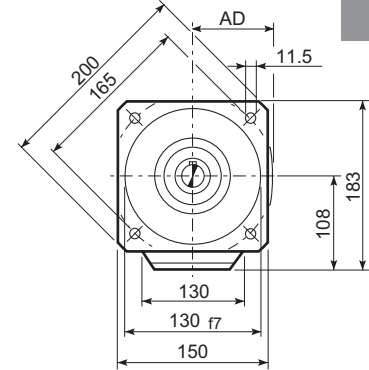
# C 31...M/ME



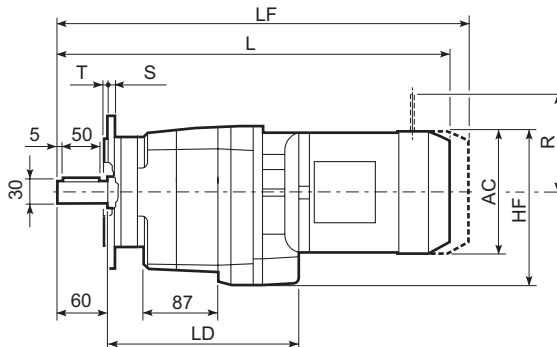
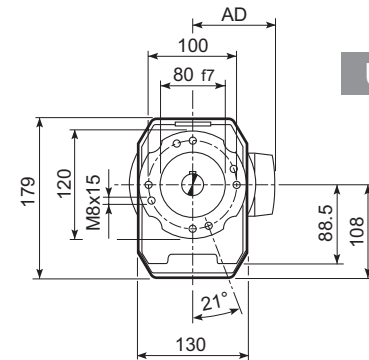
**P**



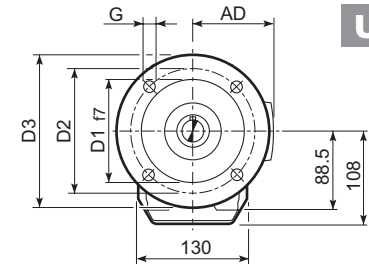
**F**



**U**



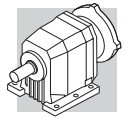
**UF**



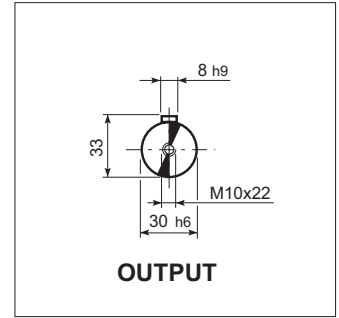
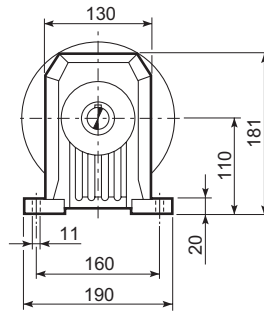
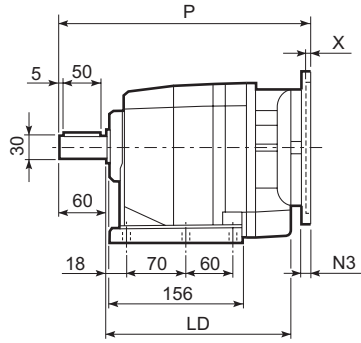
C 31_U						
	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

C 31															
Motor Type	S	M	AC	H	HF	L	LD	AD	Kg	M...FD		M...FD		M...FA	
										M...FA	Kg	R	AD	R	AD
C 31 2	S1	M1	138	179	177	462.5	205.5	108	14	523.5	16	103	135	124	108
C 31 2	S2	M2S	156	188	186	490.5	217.5	119	18	561.5	21	129	146	134	119
C 31 2	S2	ME2S	156	188	186	490.5	217.5	119	18	—	—	—	—	—	—
C 31 2	S3	ME3S	195	207.5	205.5	534.5	227.5	142	24.5	—	—	—	—	—	—
C 31 2	S3	ME3L	195	207.5	205.5	566.5	227.5	142	32	—	—	—	—	—	—
C 31 2	S4	ME4	258	239	237	674.5	—	193	66	—	—	—	—	—	—
C 31 2	S4	ME4LB	258	239	237	709.5	—	193	74	—	—	—	—	—	—
C 31 3	S05	M05	121	170.5	168.5	491	—	95	13	557	15	96	122	116	95
C 31 3	S1	M1	138	179	177	520	—	108	15	581	17	103	135	124	108
C 31 3	S2	ME2S	156	188	186	548	—	119	18	—	—	—	—	—	—

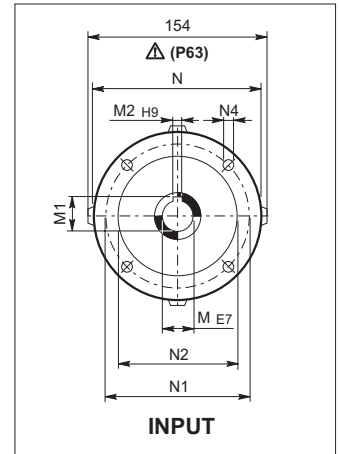
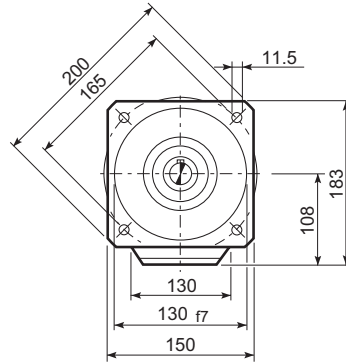
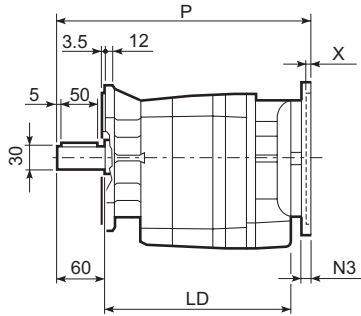
# C 31...P(IEC)



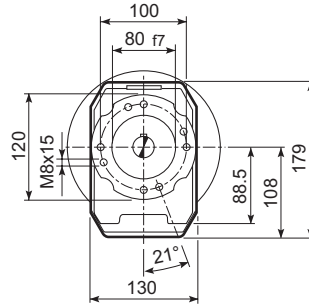
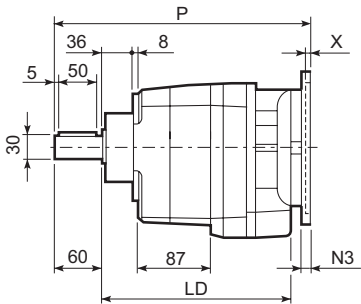
**P**



**F**

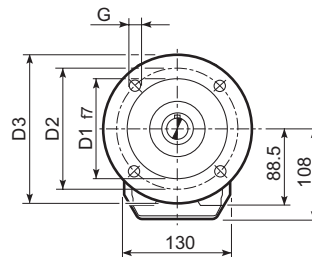
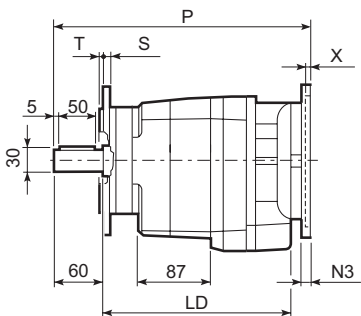


**U**



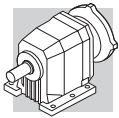
C 31_U						
	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

**UF**

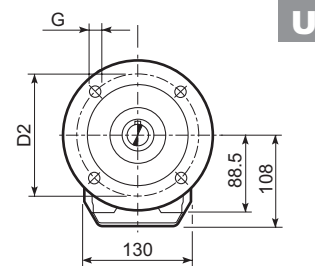
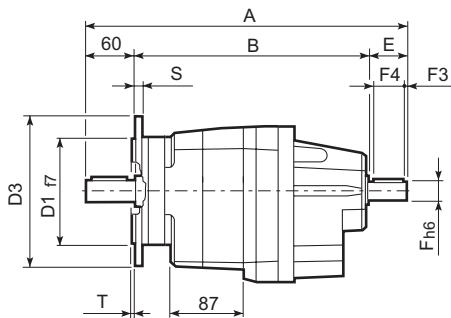
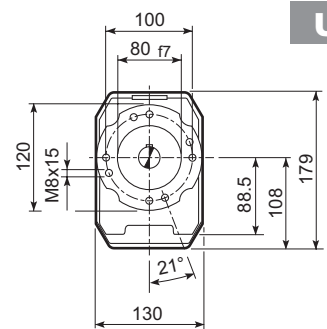
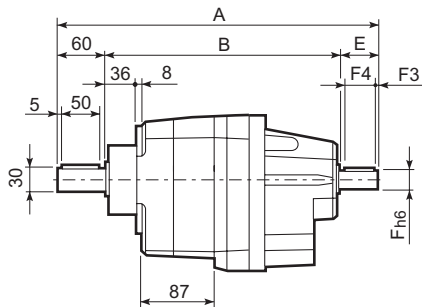
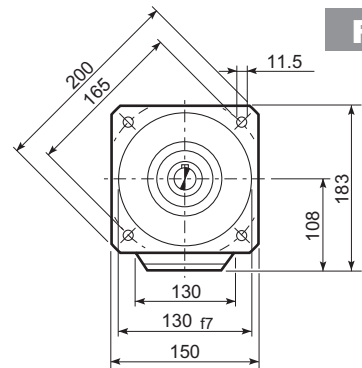
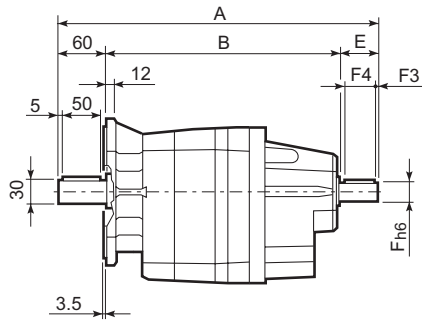
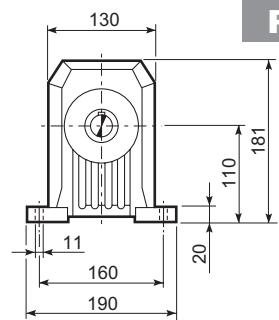
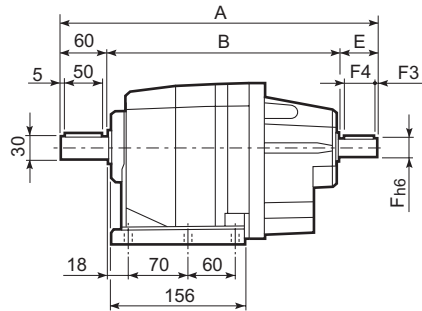
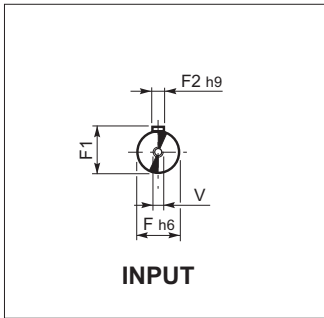
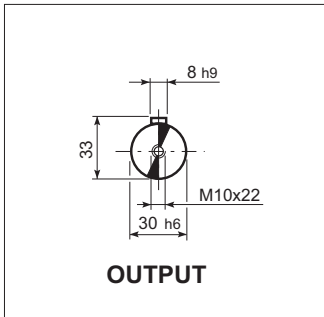


## C 31

		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
C 31 2	P63	217.5	11	12.8	4	140	115	95	—	M8x19	4	307.5	9
C 31 2	P71	217.5	14	16.3	5	160	130	110	—	M8x16	4.5	307.5	9
C 31 2	P80	227.5	19	21.8	6	200	165	130	—	M10x12	4	327	10
C 31 2	P90	227.5	24	27.3	8	200	165	130	—	M10x12	4	327	10
C 31 2	P100	227.5	28	31.3	8	250	215	180	—	M12x16	4.5	337	14
C 31 2	P112	227.5	28	31.3	8	250	215	180	—	M12x16	4.5	337	14
C 31 2	P132	—	38	41.3	10	300	265	230	16	14	5	373	17
C 31 3	P63	—	11	12.8	4	140	115	95	—	M8x19	4	365	10
C 31 3	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	365	10
C 31 3	P80	—	19	21.8	6	200	165	130	—	M10x12	4	384.5	11
C 31 3	P90	—	24	27.3	8	200	165	130	—	M10x12	4	384.5	11
C 31 3	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	394.5	15
C 31 3	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	394.5	15

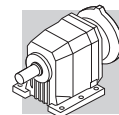


# C 31...HS



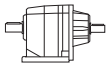

C 31_U						
	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

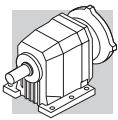
C 31											
		A	B	E	F	F1	F2	F3	F4	V	kg
C 31 2	HS	357.5	257.5	40	19	21.5	6	2.5	35	M6x16	11.1
C 31 3		372	272	40	16	18	5	2.5	36	M6x16	10.6



# C 31

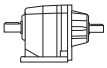

# 300 Nm

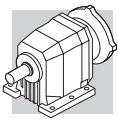
	i	n <sub>1</sub> = 2800 min <sup>-1</sup>					n <sub>1</sub> = 1400 min <sup>-1</sup>					
		n <sub>2</sub> min <sup>-1</sup>	M <sub>n2</sub> Nm	P <sub>n1</sub> kW	R <sub>n1</sub> N	R <sub>n2</sub> N	n <sub>2</sub> min <sup>-1</sup>	M <sub>n2</sub> Nm	P <sub>n1</sub> kW	R <sub>n1</sub> N	R <sub>n2</sub> N	
C 31 2_2.9	2.9	972	105	11.3	670	1710	486	130	7.0	940	2170	120
C 31 2_3.7	3.7	749	120	9.9	560	1830	374	150	6.2	750	2310	
C 31 2_5.0	5.0	566	135	8.4	470	1990	283	155	4.8	1100	2600	
C 31 2_6.3	6.3	447	150	7.4	300	2130	224	155	3.8	1450	2890	
C 31 2_6.5	6.5	434	155	7.4	1860	2270	217	195	4.7	2200	2870	
C 31 2_7.2	7.2	391	160	6.9	1890	2370	196	200	4.3	2200	2990	
C 31 2_8.4	8.4	335	170	6.3	1870	2480	167	215	4.0	2200	3110	
C 31 2_9.3	9.3	301	175	5.8	1910	2580	151	220	3.7	2200	3260	
C 31 2_11.1	11.1	252	190	5.3	1880	2700	126	240	3.3	2200	3400	
C 31 2_12.3	12.3	227	195	4.9	1910	2820	114	245	3.1	2200	3560	
C 31 2_14.0	14.0	199	205	4.5	1880	2930	100	260	2.9	2200	3680	
C 31 2_15.6	15.6	180	215	4.3	1900	3030	90	270	2.7	2200	3820	
C 31 2_18.1	18.1	155	225	3.8	1870	3170	77	285	2.4	2200	3990	
C 31 2_20.1	20.1	139	235	3.6	1900	3290	70	295	2.3	2200	4160	
C 31 2_22.6	22.6	124	245	3.3	1850	3410	62	300	2.0	2200	4330	
C 31 2_25.1	25.1	111	250	3.1	1890	3560	56	300	1.8	2200	4570	
C 31 2_26.8	26.8	105	260	3.0	1840	3600	52	300	1.7	2200	4680	
C 31 2_29.8	29.8	94	265	2.7	1880	3770	47	300	1.6	2200	4920	
C 31 2_32.5	32.5	86	275	2.6	1760	3850	43	300	1.4	2200	5090	
C 31 2_36.1	36.1	78	280	2.4	1870	4030	39	300	1.3	2200	5350	
C 31 2_40.7	40.7	69	295	2.2	1620	4160	34	300	1.1	2200	5500	
C 31 2_45.3	45.3	62	300	2.0	1860	4360	31	300	1.0	2200	5500	
C 31 2_47.2	47.2	59	300	2.0	1610	4420	29.7	300	0.98	2200	5500	
C 31 2_52.4	52.4	53	300	1.8	1860	4650	26.7	300	0.88	2200	5500	
C 31 2_60.2	60.2	47	180	0.92	2030	5500	23.3	190	0.49	2200	5500	
C 31 2_66.8	66.8	42	205	0.95	2020	5500	21.0	215	0.50	2200	5500	
C 31 3_74.3	74.3	38	275	1.2	790	5500	18.8	300	0.64	1170	5500	
C 31 3_82.6	82.6	34	300	1.1	820	5500	17.0	300	0.57	1240	5500	
C 31 3_93.0	93.0	30	290	0.98	940	5500	15.1	300	0.51	1300	5500	
C 31 3_103.3	103.3	27.1	300	0.92	980	5500	13.6	300	0.46	1300	5500	
C 31 3_110.2	110.2	25.4	300	0.86	1010	5500	12.7	300	0.43	1300	5500	
C 31 3_122.4	122.4	22.9	300	0.77	1060	5500	11.4	300	0.39	1300	5500	
C 31 3_133.6	133.6	21.0	300	0.71	1090	5500	10.5	300	0.35	1300	5500	
C 31 3_148.4	148.4	18.9	300	0.64	1130	5500	9.4	300	0.32	1300	5500	
C 31 3_167.5	167.5	16.7	300	0.56	1170	5500	8.4	300	0.28	1300	5500	
C 31 3_186.0	186.0	15.1	300	0.51	1200	5500	7.5	300	0.25	1300	5500	
C 31 3_194.1	194.1	14.4	280	0.45	1230	5500	7.2	295	0.24	1300	5500	
C 31 3_215.6	215.6	13.0	300	0.44	1240	5500	6.5	300	0.22	1300	5500	
C 31 3_247.3	247.3	11.3	215	0.27	1300	5500	5.7	225	0.14	1300	5500	
C 31 3_274.7	274.7	10.2	240	0.28	1300	5500	5.1	255	0.15	1300	5500	






# C 31

# 300 Nm

	i	n <sub>1</sub> = 900 min <sup>-1</sup>					n <sub>1</sub> = 500 min <sup>-1</sup>					
		n <sub>2</sub> min <sup>-1</sup>	M <sub>n2</sub> Nm	P <sub>n1</sub> kW	R <sub>n1</sub> N	R <sub>n2</sub> N	n <sub>2</sub> min <sup>-1</sup>	M <sub>n2</sub> Nm	P <sub>n1</sub> kW	R <sub>n1</sub> N	R <sub>n2</sub> N	
C 31 2_2.9	2.9	313	150	5.2	1120	2510	174	155	3.0	2200	3220	120
C 31 2_3.7	3.7	241	155	4.1	1570	2790	134	175	2.6	2200	3480	
C 31 2_5.0	5.0	182	162	3.2	1870	3120	101	198	2.2	2200	3790	
C 31 2_6.3	6.3	144	178	2.8	1730	3350	80	200	1.8	2200	4180	
C 31 2_6.5	6.5	140	225	3.5	2200	3330	78	275	2.3	2200	4040	
C 31 2_7.2	7.2	126	235	3.3	2200	3450	70	285	2.2	2200	4200	
C 31 2_8.4	8.4	108	250	3.0	2200	3600	60	300	2.0	2200	4410	
C 31 2_9.3	9.3	97	260	2.8	2200	3750	54	300	1.8	2200	4640	
C 31 2_11.1	11.1	81	280	2.5	2200	3930	45	300	1.5	2200	4990	
C 31 2_12.3	12.3	73	285	2.3	2200	4120	41	300	1.3	2200	5250	
C 31 2_14.0	14.0	64	300	2.1	2200	4270	36	300	1.2	2200	5500	
C 31 2_15.6	15.6	58	300	1.9	2200	4500	32	300	1.1	2200	5500	
C 31 2_18.1	18.1	50	300	1.6	2200	4780	27.7	300	0.91	2200	5500	
C 31 2_20.1	20.1	45	300	1.5	2200	5030	24.9	300	0.82	2200	5500	
C 31 2_22.6	22.6	40	300	1.3	2200	5270	22.1	300	0.73	2200	5500	
C 31 2_25.1	25.1	36	300	1.2	2200	5500	19.9	300	0.66	2200	5500	
C 31 2_26.8	26.8	34	300	1.1	2200	5500	18.7	300	0.62	2200	5500	
C 31 2_29.8	29.8	30	300	1.0	2200	5500	16.8	300	0.56	2200	5500	
C 31 2_32.5	32.5	27.7	300	0.92	2200	5500	15.4	300	0.51	2200	5500	
C 31 2_36.1	36.1	24.9	300	0.82	2200	5500	13.9	300	0.46	2200	5500	
C 31 2_40.7	40.7	22.1	300	0.73	2200	5500	12.3	300	0.41	2200	5500	
C 31 2_45.3	45.3	19.9	300	0.66	2200	5500	11.0	300	0.37	2200	5500	
C 31 2_47.2	47.2	19.1	300	0.63	2200	5500	10.6	300	0.35	2200	5500	
C 31 2_52.4	52.4	17.2	300	0.57	2200	5500	9.5	300	0.32	2200	5500	
C 31 2_60.2	60.2	15.0	200	0.33	2200	5500	8.3	205	0.19	2200	5500	
C 31 2_66.8	66.8	13.5	220	0.33	2200	5500	7.5	230	0.19	2200	5500	
C 31 3_74.3	74.3	12.1	300	0.41	1300	5500	6.7	300	0.23	1300	5500	
C 31 3_82.6	82.6	10.9	300	0.37	1300	5500	6.1	300	0.20	1300	5500	
C 31 3_93.0	93.0	9.7	300	0.33	1300	5500	5.4	300	0.18	1300	5500	
C 31 3_103.3	103.3	8.7	300	0.29	1300	5500	4.8	300	0.16	1300	5500	
C 31 3_110.2	110.2	8.2	300	0.28	1300	5500	4.5	300	0.15	1300	5500	
C 31 3_122.4	122.4	7.4	300	0.25	1300	5500	4.1	300	0.14	1300	5500	
C 31 3_133.6	133.6	6.7	300	0.23	1300	5500	3.7	300	0.13	1300	5500	
C 31 3_148.4	148.4	6.1	300	0.20	1300	5500	3.4	300	0.11	1300	5500	
C 31 3_167.5	167.5	5.4	300	0.18	1300	5500	3.0	300	0.10	1300	5500	
C 31 3_186.0	186.0	4.8	300	0.16	1300	5500	2.7	300	0.09	1300	5500	
C 31 3_194.1	194.1	4.6	300	0.16	1300	5500	2.6	300	0.09	1300	5500	
C 31 3_215.6	215.6	4.2	300	0.14	1300	5500	2.3	300	0.08	1300	5500	
C 31 3_247.3	247.3	3.6	235	0.10	1300	5500	2.0	245	0.06	1300	5500	
C 31 3_274.7	274.7	3.3	260	0.10	1300	5500	1.8	275	0.06	1300	5500	



# C 31

	i	J ( $\cdot 10^{-4}$ ) [kgm <sup>2</sup> ]								
			 IEC							
			63	71	80	90	100	112		
C 31 2_2.9	2.9	2.3	—	—	5.2	5.1	6.4	6.4	19	4.6
C 31 2_3.7	3.7	1.6	—	—	4.4	4.3	5.6	5.6	18	3.8
C 31 2_5.0	5.0	0.87	2.3	2.3	3.7	3.7	5.0	5.0	18	3.1
C 31 2_6.3	6.3	0.63	2.1	2.1	3.5	3.4	4.7	4.7	17	2.8
C 31 2_6.5	6.5	1.6	—	—	4.4	4.4	5.7	5.7	18	3.8
C 31 2_7.2	7.2	1.5	—	—	4.4	4.3	5.6	5.6	18	3.7
C 31 2_8.4	8.4	1.1	—	—	3.9	3.9	5.2	5.2	18	3.3
C 31 2_9.3	9.3	1.1	—	—	3.9	3.8	5.1	5.1	18	3.3
C 31 2_11.1	11.1	0.62	2.1	2.1	3.5	3.4	4.7	4.7	17	2.8
C 31 2_12.3	12.3	0.60	2.1	2.1	3.5	3.4	4.7	4.7	17	2.8
C 31 2_14.0	14.0	0.47	1.9	1.9	3.3	3.3	4.5	4.5	17	2.7
C 31 2_15.6	15.6	0.46	1.9	1.9	3.3	3.3	4.5	4.5	17	2.7
C 31 2_18.1	18.1	0.34	1.8	1.8	3.2	3.1	4.4	4.4	17	2.6
C 31 2_20.1	20.1	0.34	1.8	1.8	3.2	3.1	4.4	4.4	17	2.6
C 31 2_22.6	22.6	0.25	1.7	1.7	3.1	3.0	4.3	4.3	17	2.5
C 31 2_25.1	25.1	0.25	1.7	1.7	3.1	3.0	4.3	4.3	17	2.5
C 31 2_26.8	26.8	0.20	1.7	1.7	3.0	3.0	4.3	4.3	—	2.4
C 31 2_29.8	29.8	0.19	1.7	1.7	3.0	3.0	4.3	4.3	—	2.4
C 31 2_32.5	32.5	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	2.4
C 31 2_36.1	36.1	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	2.4
C 31 2_40.7	40.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.3
C 31 2_45.3	45.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.3
C 31 2_47.2	47.2	0.08	1.6	1.5	2.9	2.9	4.2	4.2	—	2.3
C 31 2_52.4	52.4	0.08	1.6	1.5	2.9	2.9	4.2	4.2	—	2.3
C 31 2_60.2	60.2	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	2.3
C 31 2_66.8	66.8	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	2.3
C 31 3_74.3	74.3	0.06	1.5	1.5	2.9	2.8	4.1	4.1	—	0.96
C 31 3_82.6	82.6	0.06	1.5	1.5	2.9	2.8	4.1	4.1	—	0.96
C 31 3_93.0	93.0	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_103.3	103.3	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_110.2	110.2	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_122.4	122.4	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_133.6	133.6	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_148.4	148.4	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 31 3_167.5	167.5	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 31 3_186.0	186.0	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 31 3_194.1	194.1	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 31 3_215.6	215.6	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 31 3_247.3	247.3	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 31 3_274.7	274.7	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94