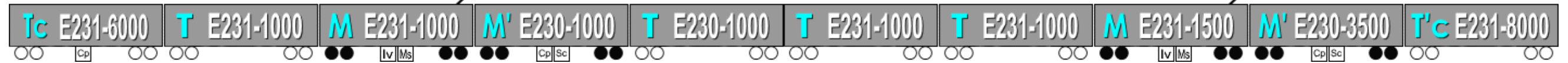


table. Specification of East Japan Railway's E 231 series for sub urban and rapid use

◀ Kuroiso, Shibukawa and Maebashi

Kurihama & Odawara ▶



car no.	No.10	No.9	No.8	No.7	No.6	No.5	No.4	No.3	No.2	No.1
type	Tc E231-6000	T E231-1000	M E231-1000	M' E230-1000	T' E230-1000	T E231-1000	T E231-1000	M E231-1500	M' E230-3500	T'c E231-8000
passenger number	143 (39)	162 (54)	162 (54)	162 (54)	158 (50)	162 (54)	162 (54)	162 (54)	162 (60)	138 (40)
seat arrangement	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	long seat (recyclable polyester textile)	semi cross seat (recyclable polyester textile)	semi cross seat (recyclable polyester textile)
lavatory	-	-	-	-	○	-	-	-	-	○(for wheel chair)
wheel chair space	○	-	-	-	-	-	-	-	-	○
mass [t]	26.4	22.2	30.0	28.3	23.4	22.2	22.2	28.4	28.7	28.0
vehicle size [mm]	19,500x2,950x3,655	19,500x2,950x3,655	19,500x2,950x3,980	19,500x2,950x3,655	19,500x2,950x3,655	19,500x2,950x3,655	19,500x2,950x3,655	19,500x2,950x3,980	19,500x2,950x3,655	19,500x2,950x3,655
car body shell	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304	austenitic stainless steel SUS301 L, SUS 304
wheel base [mm]	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800
gear ratio of motor	-	-	7.07	7.07	-	-	-	7.07	7.07	-
motor power	-	-	95 kW x4	95 kW x4	-	-	-	95 kW x4	95 kW x4	-
motor type	-	-	squirrel cage induction φ3(MT 73)	squirrel cage induction φ3(MT 73)	-	-	-	squirrel cage induction φ3(MT 73)	squirrel cage induction φ3(MT 73)	-
pantograph	-	-	single arm type PS 33B	-	-	-	-	single arm type PS 33B	-	-
bogie type	bolsterless type TR 246 M+TR 246 P	bolsterless type TR 246 N	bolsterless type DT 61 G	bolsterless type DT 61 G	bolsterless type TR 246 N	bolsterless type TR 246 N	bolsterless type TR 246 N	bolsterless type DT 61 G	bolsterless type DT 61 G	bolsterless type TR 246 M+TR 246 P
bogie mass [kg]	4,520-4,570	4,300	5,505	5,505	4,300	4,300	4,300	5,505	5,505	4,520-4,570
braking system	electrical command pneumatic brake, straight air reserve brake, snow brake									
dynamic braking system	-	-	regenerative brake	regenerative brake	-	-	-	regenerative brake	regenerative brake	-
power control system	-	-	IGBT-VVVF inverter SC 59A,2 level, 3.3 KVA·1200A	IGBT-VVVF inverter SC 59A,2 level, 3.3 KVA·1200A	-	-	-	IGBT-VVVF inverter SC 59A,2 level, 3.3 KVA·1200A	IGBT-VVVF inverter SC 59A,2 level, 3.3 KVA·1200A	-
train information	train information management system									
train security	ATS-P, ATS-SN, B·C train radio, Emergency Brake									
air-conditioning unit	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A	48.8 KW (42,000 Kcal/h),centerized unit type AU 725 A
interior passenger service	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM	LCD on door header, radio frequency amplification antenna for AM & FM
head light	High Intensity discharge lamp	-	-	-	-	-	-	-	-	High Intensity discharge lamp
tail light	LED	-	-	-	-	-	-	-	-	LED
window glass	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%	UV cut 95%, visible light range 44%