

East Japan Railway's E 257 for limited express "Azusa" and "Kaiji" in Central Japan

◀ metropolitan terminal of "Shinjuku"

terminal of "Matsumoto" ▶



Car No.	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11
type	T _c E257	M _c E257	T _c E257-100	M E257	M' E256	M E257-1000	T E257	T _s E257	M E257-100	M' E256-100	T _c ' E256
tare weight [tons]	34.8	36.1	33.9	36.8	36.1	34.7	30.1	30.6	36.5	36.1	31.3
passenger capacity	52	68	52	72	64	72	54	20 (first class) + 24	64	64	64
car body material	double skin car body shell of aluminum alloy hollow extrusion										
car body size [mm](L, between couplers)	21,000(L) x2,946(W) x3,760(H)	20,500(L) x2,946(W) x3,980(H)	21,000(L) x2,946(W) x3,760(H)	20,500(L) x2,946(W) x3,980(H)	20,500(L) x2,946(W) x3,550(H)	20,500(L) x2,946(W) x3,980(H)	20,500(L) x2,946(W) x3,550(H)	20,500(L) x2,946(W) x3,550(H)	20,500(L) x2,946(W) x3,980(H)	20,500(L) x2,946(W) x3,550(H)	21,000(L) x2,946(W) x3,760(H)
track gauge	1,067 mm										
overhead voltage	catenary system for 1,500 Vdc										
security system	ATS-P type, ATS-SN type, New A type train radio, EB/TE device										
Max velocity	130 km/hrs,										
pantograph	-	single arm type	-	single arm type	single arm type	single arm type	-	-	single arm type	-	-
bogie	2 bolsterless air spring bogies per vehicle, wheel base 2,100 mm, wheel diameter 860 mm(New)										
wheel base	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm	14,150 mm
traction motor	-	145 Kw x 2 motors per bogie	-	145 Kw x 2 motors per bogie	145 Kw x 2 motors per bogie	145 Kw x 2 motors per bogie	-	-	145 Kw x 2 motors per bogie	145 Kw x 2 motors per bogie	-
motor type	-	3-phase squirrel cage induction motor	-	3-phase squirrel cage induction motor	3-phase squirrel cage induction motor	3-phase squirrel cage induction motor	-	-	3-phase squirrel cage induction motor	3-phase squirrel cage induction motor	-
gear ratio	-	5.65	-	5.65	5.65	5.65	-	-	5.65	5.65	-
braking system	electrical command pneumatic brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic and regenerative (including rheostatic) blending brake, straight air reserve brake, holding brake, snow brake	electrical command pneumatic brake, straight air reserve brake, holding brake, snow brake
auxiliary electric power	-	110 KvA, SIV	-	-	210 KvA, SIV	-	-	-	-	210 KvA, SIV	-
air compressor	screw type	-	screw type	-	-	-	screw type	screw type	-	-	screw type
air conditioner	cooling capacity: 42 kw and heating capacity: 20 kw on under frame per vehicle										
traction control	VVVF inverter control, regenerative brake system, Constant-Speed Drive										
fixtures and fittings	Western style Lavatory, Men's Lavatory, cleansing room	shunting controler	Western style Lavatory, Men's Lavatory, cleansing room		Western style Lavatory, Men's Lavatory, cleansing room, vending machine for soft drinks, telephone room		Lavatory for Wheel chair, Men's Lavatory, cleansing room, Nursing room, storage room,	Western style Lavatory, Men's Lavatory, cleansing room, crew room		Western style Lavatory, Men's Lavatory, cleansing room, vending machine for soft drinks, telephone room	