

FNM Ferrovie Nord Milano

Locomotives, diesel engine

		Builder - Engine	B/n	Year	Re # & Notes	
DE 1	Bo de	Stanga /e TIBB	-	1967	1976? re# DE 510.1	150 CV, 30 km/h
DE 2	Bo de	Stanga /e TIBB	-	1967	1976? re# DE 510.2	150 CV, 30 km/h
DE 500.1	Bo'Bo' de	TIBB - Fiat	-	1971		
DE 500.2	Bo'Bo' de	TIBB - Fiat	-	1971		
DE 500.3	Bo'Bo' de	TIBB - Fiat	-	1971		
DE 500.4	Bo'Bo' de	TIBB - Fiat	-	1975		
DE 500.5	Bo'Bo' de	TIBB - Fiat	-	1975		
DE 510.1	see DE 1					
DE 510.2	see DE 2					

Leased/loaned for trials

FS 235.3099	C dh	OM - Saurer	-	1957	FNM: 1957	
FVS Ld 1	C dh	Deutz V6M436R	55443	1953	FNM: 1966	FVS = Ferrovia Valle Seriana > FSF Ferrovia Suzzara-Ferrara LD 61
FVS Ld 2	C dh	Deutz V6M436R	55817	1955	FNM: 1966	FVS = Ferrovia Valle Seriana > FSF Ferrovia Suzzara-Ferrara LD 62

Automotrici termiche

M-1	B-2 bm	Breda	-	1924		w. 1930	50 CV, 60 km/h	> carrozza officina/catenary insp. vehicle
Md 1/2-2	1A dm	OM - OM Saurer	-	1930	re# Md 500.01	w. 193x	85CV,	> road vehicle (?)
Md 1/2 11	1A dm	OM - OM BUD	-	1934	re# Md 510.01	w. 1954	135 CV, 80 km/h	> Off. Sociali di Novate †
Md 1/2 12	1A dm	OM - OM BUD	-	1934	re# Md 510.02	w. 1954	135 CV, 80 km/h	> Off. Sociali di Novate †
Md 1/2 13	1A dm	OM - OM BUD	-	1934	re# Md 510.03	w. 1954	135 CV, 80 km/h	> Off. Sociali di Novate †
Md 500.01	see Md 1/2-2							
Md 510.01	see Md 1/2-11							
Md 510.02	see Md 1/2-12							
Md 510.03	see Md 1/2-13							
Md 520.01	B-B dm	Breda - Breda AEC		1940	w. 1955	> FCU Ferrovia Centrale Umbra	2x135 CV, 100 km/h	
Md 520.02	B-B dm	Breda - Breda AEC		1940	w. 1955	> FCU Ferrovia Centrale Umbra	2x135 CV, 100 km/h	
Md 520.03	B-B dm	Breda - Breda AEC		1940	w. 1955	> FCU Ferrovia Centrale Umbra	2x135 CV, 100 km/h	

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Internal service vehicles

		Builder - Engine	B/n	Year	Re # & Notes
M 1	B ae	FNM - TIBB	-	1948	reb. 1972
M 2	B ae	FNM - Rognoni	-	1944	6 kW
M 3	B bm	FNM - Daimler Benz		1928	10 kW
M 4 (?)					
CM 5	A1 bm	FNM - Fiat	-	1936	reb.1951
CM 6	B dm	OP - VM	-	1973	
CM 7	B dm	OP - VM	-	1973	
CM 8 (?)					
CM 9	A1 bm	FNM - Fiat	-	1945	reb. 1966
CM 10	B dm (R/R)	Unimog		1975	road/rail
CM 11	B dm (R/R)	Unimog		1975	road/rail

FNM Ferrovie Nord Milano e=3000V DC

Locomotives, Electric

		Builder			
		Mech. - Elect.			
E 600.1	Bo'Bo' e	OM - CGE	-	1928	
E 600.2	Bo'Bo' e	OM - CGE	-	1928	
E 600.3	Bo'Bo' e	OM - CGE	-	1928	
E 600.4	Bo'Bo' e	OM - CGE	-	1928	
E 600.5	Bo'Bo' e	OM - CGE	-	1929	damaged 1958.10.02, † 1962
E 600.6	Bo'Bo' e	OM - CGE	-	1930	
610.01	Bo'Bo' e	Breda - CGE	-	1949	
610.02	Bo'Bo' e	Breda - CGE	-	1949	
610.03	Bo'Bo' e	Breda - CGE	-	1949	
610.04	Bo'Bo' e	Breda - CGE	-	1949	

Note:

ae = battery-electric

bm = petrol-mechanical

FNM Ferrovie Nord Milano e=3000V DC

Elettromotrici		Builder	Rebuilt by	converted from	
		Mech-Electr.			
EB 700.01	Bo-Bo e	OM - TIBB	-	1928	
EB 700.02	Bo-Bo e	OM - TIBB	-	1928	
EB 700.03	Bo-Bo e	OM - TIBB	-	1928	
EB 700.04	Bo-Bo e	OM - TIBB	-	1929	
EB 700.04	Bo-Bo e	OM - TIBB	-	1929	
EB 700.05	Bo-Bo e	OM - TIBB	-	1929	
EB 700.06	Bo-Bo e	OM - TIBB	-	1929	† 1956 (Novara)
EB 700.07	Bo-Bo e	OM - TIBB	-	1929	
EB 700.08	Bo-Bo e	OM - TIBB	-	1929	
EB 700.09	Bo-Bo e	OM - TIBB	-	1930	
EB 700.10	Bo-Bo e	OM - TIBB	-	1930	
EB 700.11	Bo-Bo e	OM - TIBB	-	1930/31	
EB 700.12	Bo-Bo e	OM - TIBB	-	1930/31	
EB 700.13	Bo-Bo e	OM - TIBB	-	1930/31	
EB 700.14	Bo-Bo e	OM - TIBB	-	1930/31	
EBD 700.15	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1940 ex EACD 800.01 (rimorchia pilota)
EBD 700.16	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1942 ex EACD 800.02 (rimorchia pilota)
EBD 700.17	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1942 ex EACD 800.03 (rimorchia pilota)
EBD 700.18	see EC 710.02				
EBD 700.19	see EC 710.01				
EB 700.20	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1948 ex E 800.12 (rimorchia pilota)
EB 700.21	Bo-Bo e	OEFT - TIBB	FNM ON	1928	1948 ex E 800.05 (rimorchia pilota)
EB 700.22	Bo-Bo e	OEFT - TIBB	FNM ON	1928	1948 ex E 800.06 (rimorchia pilota)
EB 700.23	Bo-Bo e	Breda - TIBB		1956	
EC 710.01	Bo-Bo e	OEFT - CGE	FNM ON	1932	1948 re# EBD 700.19
EC 710.02	Bo-Bo e	OEFT - CGE	FNM ON	1932	1948 re# EBD 700.18
EB 720.01	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1939/40 ex ECD 810.01 (rimorchia pilota), 1952/53 re# EBD 730.01
EB 720.02	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1939/40 ex ECD 810.02 (rimorchia pilota), 1952/53 re# EBD 730.02
EB 720.03	Bo-Bo e	OEFT - TIBB	FNM ON	1932	1939/40 ex E 800.14 (rimorchia pilota), 1952/53 re# EBD 730.03
EBD 730.01	see EB 720.01				
EBD 730.02	see EB 720.02				
EBD 730.03	see EB 720.03				
EB 740.01	Bo-Bo e	OEFT - CGE	FNM ON	1928	1951 ex E 800.08 (rimorchia pilota)
EB 740.02	Bo-Bo e	OEFT - CGE	FNM ON	1930	1951 ex E 800.11 (rimorchia pilota)
EB 740.03	Bo-Bo e	OEFT - CGE	FNM ON	1928	1951 ex E 800.07 (rimorchia pilota)
EB 740.04	Bo-Bo e	OEFT - CGE	FNM ON	1930	1951 ex E 800.09 (rimorchia pilota)
EB 740.05	Bo-Bo e	OEFT - CGE	FNM ON	1930	1951 ex E 800.13 (rimorchia pilota)

Elettromotrici		Builder	Rebuilt by	converted from	
EB 740.06	Bo-Bo e	OEFT - CGE	FNM ON	1930	1951 ex E 800.10 (rimorchia pilota)
EB 740.07	Bo-Bo e	OEFT - CGE	FNM ON	1928	1951 ex E 800.04 (rimorchia pilota)
EB 740.08	Bo-Bo e	Breda - CGE		1953	
EB 740.09	Bo-Bo e	Breda - CGE		1953	
EB 740.10	Bo-Bo e	Breda - CGE		1953	
EB 740.11	Bo-Bo e	Breda - CGE		1953	
EB 740.12	Bo-Bo e	Breda - CGE		1953	
EB 740.13	Bo-Bo e	Breda - CGE		1955	
EB 740.14	Bo-Bo e	Breda - CGE		1955	
EB 740.15	Bo-Bo e	Breda - CGE		1955	
EB 740.16	Bo-Bo e	Breda - CGE		1955	
EB 740.17	Bo-Bo e	Breda - CGE		1957	
EB 740.18	Bo-Bo e	Breda - CGE		1957	
EB 740.19	Bo-Bo e	Breda - CGE		1957	
EB 740.20	Bo-Bo e	Breda - CGE		1957	
EB 740.21	Bo-Bo e	Breda - CGE		1957	
EB 740.22	Bo-Bo e	Breda - CGE		1957	
EB 740.23	Bo-Bo e	Breda - CGE		1957	
EB 740.24	Bo-Bo e	Breda - CGE		1957	
EB 750.01	Bo-Bo e	PG (Budd)	FNM-TIBB	1937	1948 ex EAC 820.(01-06) (rimorchia pilota) † 1953
EB 750.02	Bo-Bo e	PG (Budd)	FNM-TIBB	1937	1948 ex EAC 820.(01-06) (rimorchia pilota) w. 1963 † 1969

Rimorchia pilota / driving trailers

EACD 800.01 - 03	OEFT	TIBB 1932	1940-1942 motorised > EBD 700.15-18
EB 800.01 - 07	OEFT	TIBB 1951	
EB 800.08 - 12	OEFT	TIBB 1953	
EC 800.04 - 14	OEFT	TIBB 1928-1932	1939-1951 motorised > EB 740.07, 700.21, 700.22, 740.03, 740.01, 740.09, 740.06, 740.02, 700.20, 740.05, 720.03 (reb. years not in this order, for years see EB units)
ECD 810.01, 02	OEFT	TIBB 1932	1939-1940 motorised > EB 720.01, 720.02
EAB 810.01 - 12	OEFT	TIBB 1948	
EAC 820.01 - 06	PG (Budd)	TIBB 1937	1948 two cars motorised as EB 750.01-02 (w. 1953-1963); the other four > re# EAC 850.01-04
EAB 820.01 - 04	OEFT	TIBB 1951	
EAB 820.05, 06	OEFT	TIBB 1954	
EAB 820.07 - 11	OEFT	TIBB 1955	
EB 830.01 - 06	Breda	-	1941-1942
EA 840.01 - 10	OEFT	TIBB 1951	
EA 840.11 - 17	OEFT	TIBB 1954	

FNM Ferrovie Nord Milano

Builders:

Breda	Soc. Italiana Ernesto Breda, Milano/Pistoia
Breda AEC	Breda, British AEC licence (engine)
Breda Saurer	Breda, Saurer [AUT or CH] licence (engine)
Budd	Budd Company, Philadelphia
CGE	C.G.E. Compagnia Generale di Eletticità
Daimler Benz	Daimler-Benz A.G., Stuttgart
Deutz	KHD Klöckner-Humboldt-Deutz, Köln
Fiat	FIAT, Torino (Fabbrica Italiana Automobili Torino, engines)
FNM ON	FNM Officine di Novate, Milano
OEFT	Officine Elettroferroviario Tallero, Milano
OM	OM, Office Meccaniche, Milano/Brescia
OM BUD	OM, Saurer BUD engine
OP	Onofri e Paganelli, Granarolo Emilia
PG	Piaggio & C, Genova
Rognoni	Elettromeccanica Rognoni, Milano
Stanga	Officine Stanga, Padova
TIBB	T.I.B.B., Tecnomasio Italiano Brown Boveri, Milano
Unimog	Daimler-Benz A.G., Gaggenau
VM	VM Motori S.p.A., Cento

Sources

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