



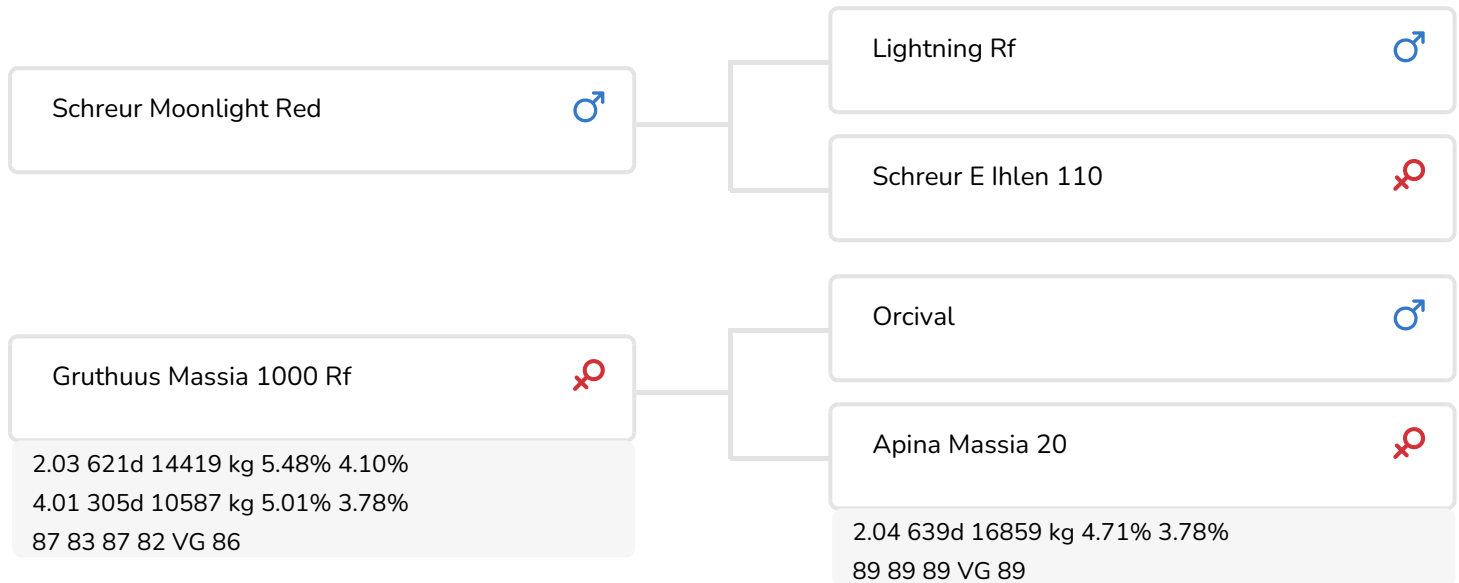
- + Top milkproductions
- + High protein
- + Excellent conformation
- + Very good feet & legs
- + aAa 342



Grashoek Mien 4 (VG 87) (s. Manhattan)  
Owner: Melkveebedrijf Grashoek b.v., Grashoek (NL)

## BULL INFORMATION

Name	Gruthuus Manhattan	Date of birth	2008-12-16
Herdbook number	NL 519144451	Gestation length	272
A.l.-code	36771	Kappa Casein	BB
aAa code	342	Beta Casein	A2/A2
colour	RB	Cow family	Massia
Breed	100% HF	Straw colour	Paars



Gruthuus Manhattan (Moonlight x Orcival x Lentini) is a fine typical bull facilitated with very good feet & legs and origins from one of the most famous red and white cowfamilies over the last couple of years; the Massia's. Manhattan knows as well via sires line (Labelle x Lucky Leo) as dam line (Orcival x Lentini) genetics from the Holstein population and has as a result of this a very good production and conformation base. On top of that is he supported by several generations bull dams, via maternal and paternal line.

Manhattan's sire, Moonlight, is a result of the successful combination Lightning RC x Merton (also proven bulls Balaton and Welberger Sonlight have this same success-formula). Moonlight inherits high milk productions and very good conformation. Especially the udders (superb rear udder and central ligament) and feet & legs have a very good quality. Besides that scores Moonlight good for longevity and somatic cell scores.

The dam line of Manhattan exists of three generations flush-cows (explaining the long lactation lists), who one by one have been successful. At the end, the Massia line is known for the high success rates in delivering proven bulls. Bulls like Match 2, Metallica, Tocar, Curtis and Kylian, all of them find their origin in this cow family....

## BREEDING VALUES

NVI	INET	Lgv.
-85	117	-261

## PRODUCTIEVERERVING

% Rel	Daughters	Herds			
99	1075	386			
KG milk	% Fat	% Protein	KG fat	KG protein	Inet
130	0.04	0.2	9	21	117

## FUNCTIONAL TRAITS

Calving ease		96
Vitality		101
Beef index		98

## DAUGHTERS

Fertility		90
NR		96
Calving interval		88
Mat. calving process		101
Mat.Vitality		94
Persistency		98
Maturity rate		101
Udder health		96
Somatic cell count		100
Milking speed		93
Robot efficiency		94
Robot interval		102
Robot habituation		106
Claw health		95
Temperament		100
Body weight		97

## TYPE SCORE

% Rel	Daughters	Herds
98	207	102

## TYPE SCORE

Frame		102
Udder		98
Feet & Legs		101
Total Score		100
Stature		100
Chest width		96
Body depth		104
Angularity		104
Condition		94
Rump Angle		100
Rump Width		103
Rear legs Rear view		100
Rear leg Set		104
Foot Angle		97
Front feet orientation		95
Locomotion		102
For udder attachment		96
Front teat placement		103
Teat length		102
Udder depth		95
Rear udder height		102
Central ligament		110
Rear teat placement		113
Udder balans		99



Elza 33 (s. Manhattan)  
Owner: Bardoel V.O.F., Ravenstein-Deursen (NL)



Agnes 18 (s. Manhattan)  
Owner: Bardoel V.O.F., Ravenstein-Deursen (NL)



Harmke 169 (s. Manhattan)  
Owner: Mr. S.J. Asma, Ens (NL)



Udder of Harmke 169 (p. Manhattan)  
Prop.: Sr. S.J. Asma, Ens (NL)



Harmke 167 (s. Manhattan)  
Owner: Mr. S.J. Asma, Ens (NL)



Harmke 169 & Harmke 167 (s. Manhattan)  
Owner: Dhr. S.J. Asma, Ens (NL)



Hermien 225 (s. Manhattan)  
(3th lactation)  
Owner: Mts. J. & P. & T. Veldman-Tijs, Laag Zuthem (NL)



Annie 165 (EX 90) (s. Manhattan)  
Owner: Mts. M. & M. Harbers-Ruessink, Borculo (NL)