

Boerboel Genetic Evaluation

SA Stud Book
February 2026

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PUGU 77779

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DAR ES SALAAM
TANZANIA



Kennel Number: 711162



Estimated Breeding Values (EBVs)

Litter size and conformation traits are influenced by many genes, with every gene making a small contribution to the expression of the trait. These traits are, however, also influenced by physiological and physical environmental factors, for example the age and sex of the animal, the feeding and management the animal received and year x season effects. It is therefore not possible to know what the animal's genetic potential for the trait is by merely using the measurement.

With BLUP (*Best Linear Unbiased Prediction*) methodology an animal's genetic potential is predicted by making use of the genetic parameters (heritabilities and genetic correlations) of the breed, pedigree information, as well as the measurements of the animal as deviation from the average of the animals that were measured with the animal. Adjustments are made for differences in sex, age, classifier, management and year x season effects to ensure that fair comparisons are made amongst the animals. These predictions are called **EBVs (Estimated Breeding Values)** which indicates the animal's genetic potential for the specific trait and predicts the type of progeny that the animal will breed.

Pedigree information determines the genetic level at which the animal enters the genetic evaluation, it links the information of all relatives together and it is used to determine the genetic ranking of the breed. For young animals that were not yet measured, mid-parent EBVs are estimated, which are the average of the EBVs of the sire and dam. These breeding values are still inaccurate and can change a lot when more information (measurements) is included in subsequent genetic evaluations.

Breeding values therefore enables a breeder to compare his/her animals genetically to one another, as well as to all other animals of the breed. This Report gives a summary of the genetic levels of the active males and females of the relevant breeder in comparison to that of the breed for linearly classified traits and litter size. The genetic change that occurred over time can also easily be seen.

Breeding Value Indices (EBVi)

For easy interpretation, EBVs are standardised and expressed relative to the average (100) of the active animals of the breed, using 12 as standard deviation (SD). This means that an EBV of 100 is equal to the active average of the breed, and more or less 50% of the animals will have EBVi's of between 90 and 110, which indicates an average animal. Only 0.5% of the EBVi's will be lower than 64 and 0.5% will be higher than 136. Higher EBVi's indicate better genetic potential for the trait.

Accuracy

EBVs are published with an **accuracy value (%)**, which indicates how much info was available for the estimation of the EBV and with how much trust it can therefore be applied. Factors that influence the accuracy include heritability, completeness and correctness of pedigree information, number of own and measured relatives and the size of the group in which the animal was measured. When an accuracy of 85% and more is reached, the EBV should not change significantly with the inclusion of more information in subsequent genetic evaluations.

Kennel and Breed Averages: The different traits' averages of the breeder's active animals are compared to those of the breed in the Kennel and Breed Average Graphs and Tables. The breeder can therefore easily see for which traits the animals are above or below the average of the breed.

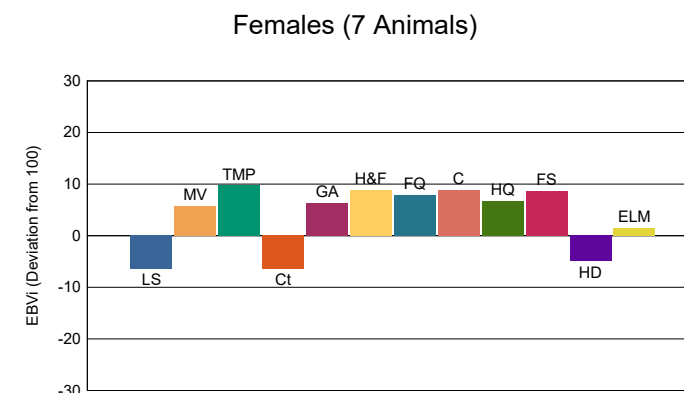
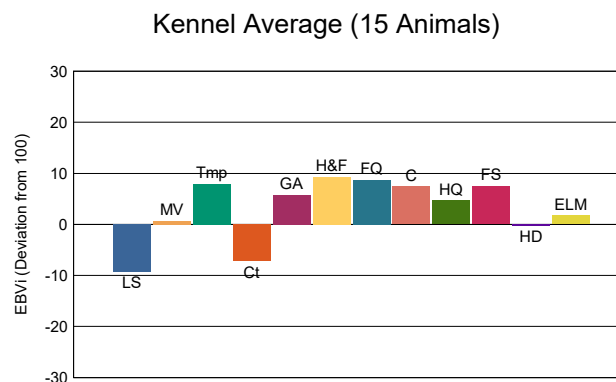
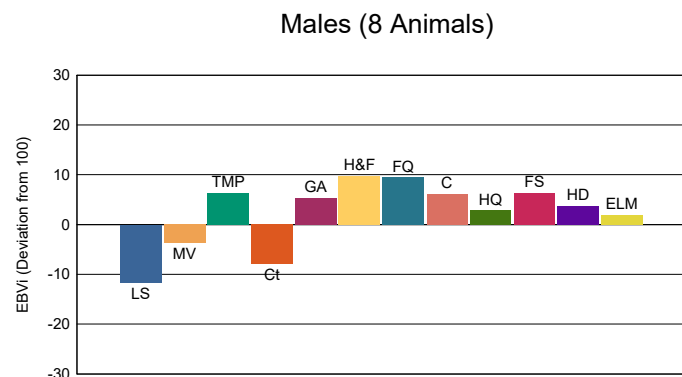
Genetic Trends: The Genetic Trends indicate the genetic change that occurred over time in the animals bred by the breeder compared to that of the breed. These are calculated as the average of the breeding values of all measured animals bred by the breeder, per year of birth.

Inbreeding: Inbreeding is the mating of related animals and is widely viewed as being harmful. The danger of inbreeding lies there in that it can gradually decrease fertility and survivability – a phenomenon known as inbreeding depression. It can cause lower conception rates, more abortions, more stillborn and weak offspring and a higher susceptibility to diseases. Indications in dogs include a low litter size as well as problems relative to fertility, such as invisible heat, behavioural problems when mating and low sperm quality. Overall, reduced litter size most likely reflects inbreeding depression in several traits, both physiological and behavioural, as well as a high frequency of non-viable embryos due to lethal alleles. Generally, the effects of inbreeding can become noticeable at a value of 6.25%, therefore it is generally recommended that individuals should have inbreeding coefficients of less than 6.25%. Breeders should therefore avoid matings causing inbreeding of more than 6.25% in the progeny. The theoretical maximum inbreeding coefficient is 50%. However, it should be noted that not all inbred animals show signs of inbreeding depression.

The data used in this evaluation was obtained from LOGIX from linear classifications that were done by the Breeder Society. All possible attempts have been made to present the information correctly. SA Stud Book does not accept responsibility for the use and interpretation of the information presented on animals in this publication.

Genetic Levels

Kennel Average relative to Breed Average, where Breed Average is indicated as 0



Average Breeding Value Indices (EBVi) where Breed Average = 100

Trait	All Animals	Males	Females
Litter size (LS)	91	88	94
Movement (Mv)	101	96	106
Temperament (Tmp)	108	106	110
Coat (Ct)	93	92	94
General Appearance	106	105	106
Head & Face (H&F)	109	110	109
Front Quarter (FQ)	109	109	108
Centre (C)	107	106	109
Hind Quarter (HQ)	105	103	107
Final Score (FS)	107	106	109
Hip Health (HH)	100	104	95
Elbow Health (ELM)	102	102	102

Inbreeding

Notes

Inbreeding primarily leads to decreased fertility, low survivability of pups and low disease resistance.

Inbreeding coefficients are calculated for all animals of the breed and indicates the probability that two genes of a pair are the same due to a common ancestor in the pedigree of the animal.

The adverse effects of inbreeding can be observed from 6.25% onwards.

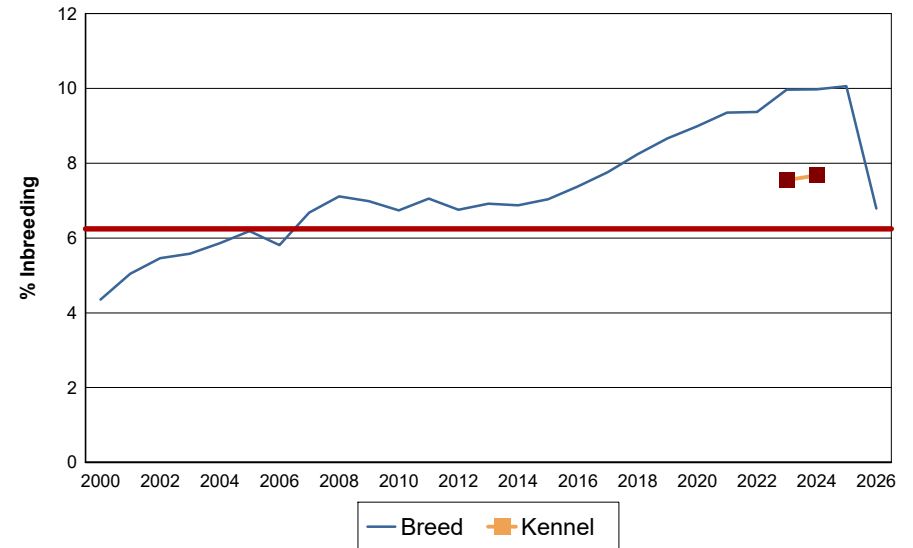
It is therefore highly recommended to record pedigree information as accurately. Inbreeding is dependent on pedigree information. Conventional methods for the calculation of inbreeding coefficients usually assume that unknown parents are unrelated, which is usually far from the truth. Inbreeding coefficients are therefore conservative indicators of the level of inbreeding.

Incomplete or incorrect pedigree information can be reported to SA Stud Book via the Breed Society.

Inbreeding Levels for Specific Matings

Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Rate of Inbreeding

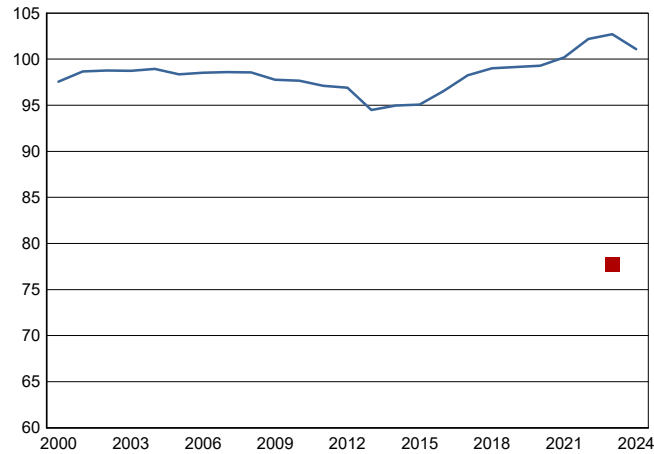


Inbreeding Levels

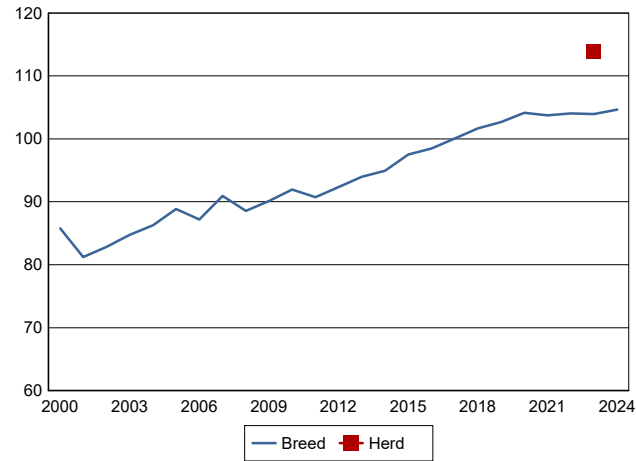
	All Animals		Males		Females		Sires		Dams	
	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed	Kennel	Breed
Number	15	49007	8	25141	7	23857	9	3371	9	6287
Average Inbreeding	7.78	8.49	7.09	8.46	8.57	8.53	8.26	8.01	10.11	8.00
Number inbred	15	48727	8	24990	7	23728	9	24990	9	23728
Number >6.25% Inbr.	12	30600	6	15537	6	15058	4	15537	8	15058

Genetic Trends

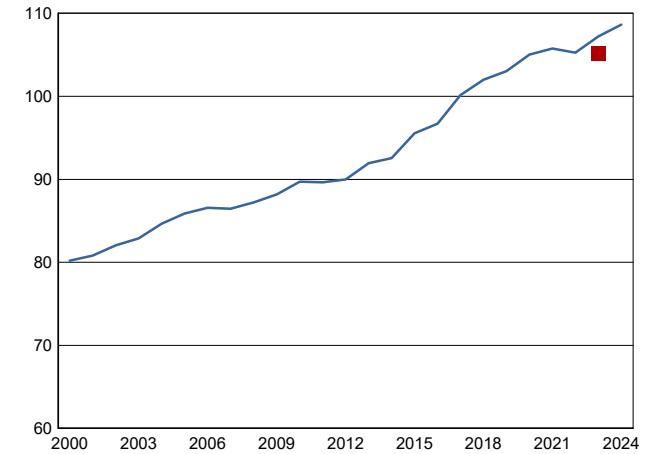
Litter Size



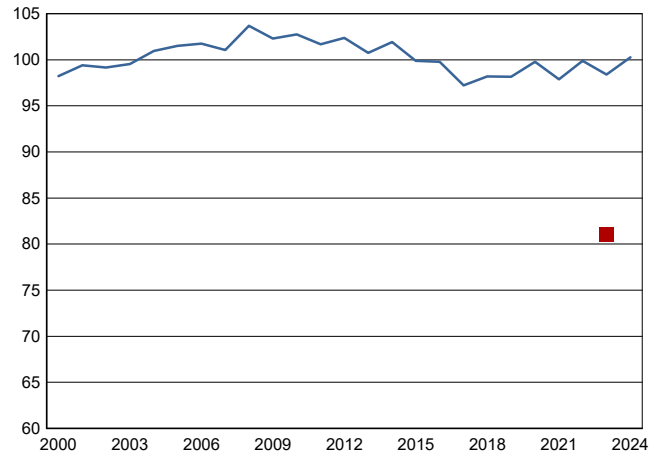
Movement



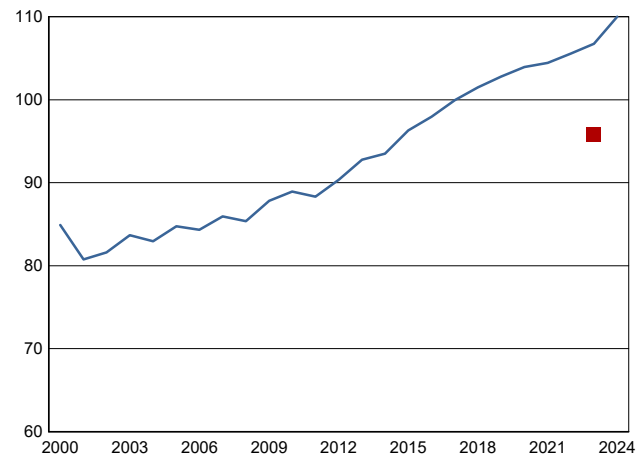
Temperament



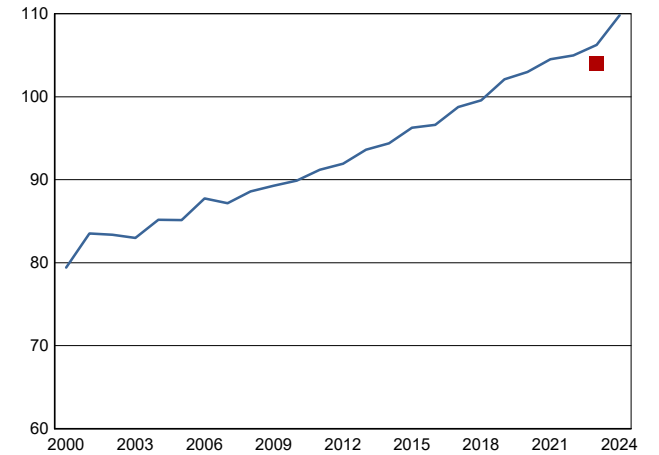
Coat



General Appearance

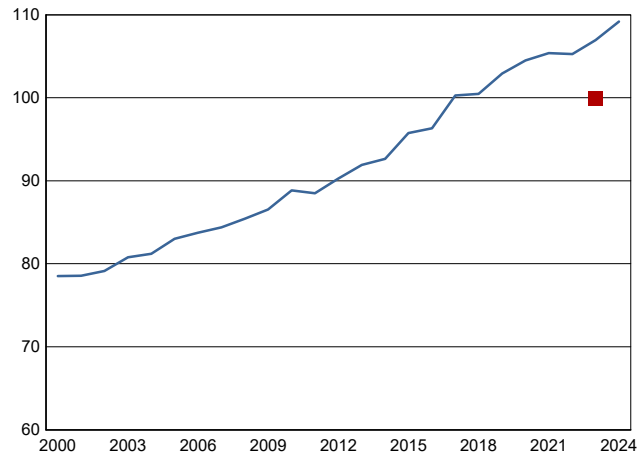


Head & Face

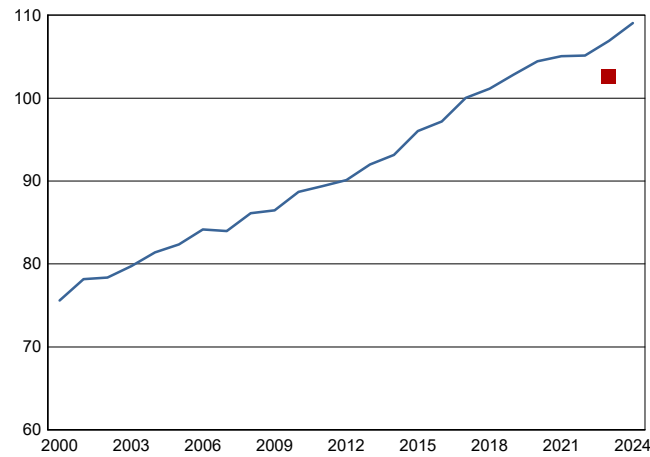


Genetic Trends

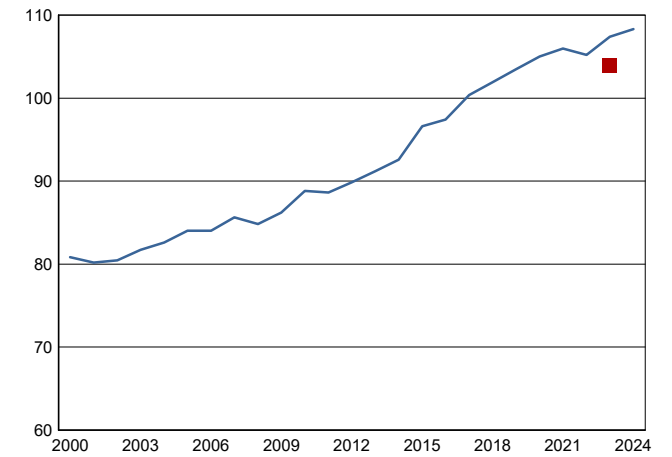
Front Quarter



Centre

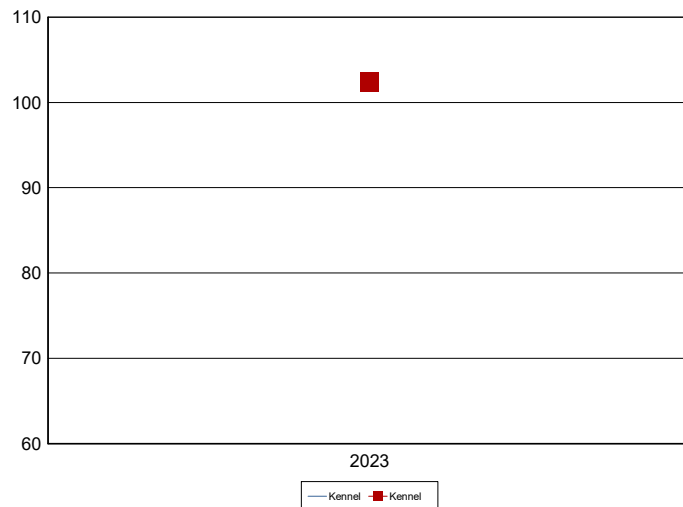


Hind Quarter

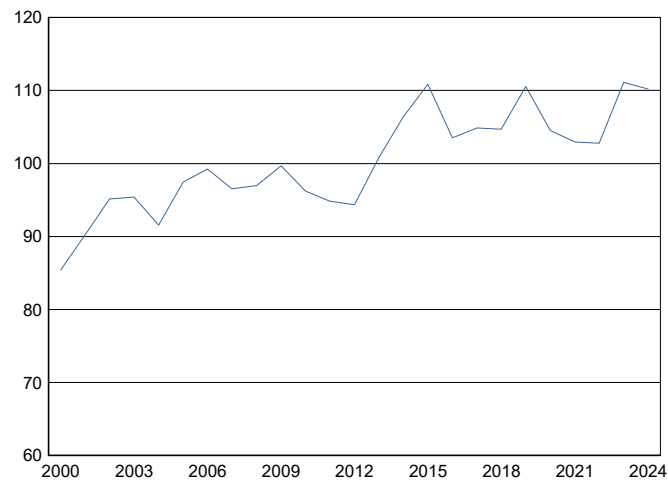


Final Score & Health Traits

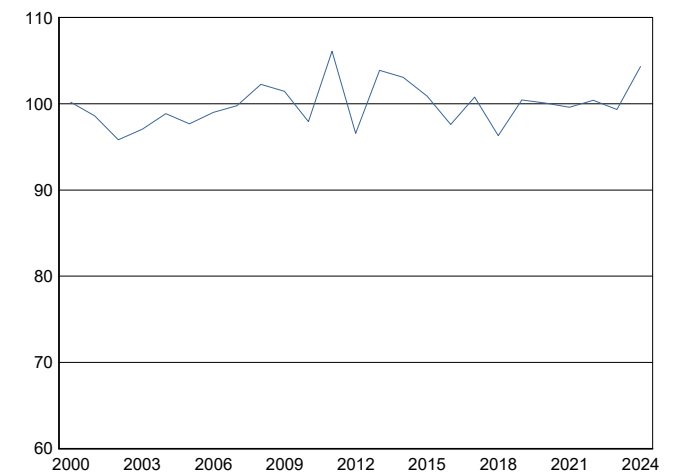
Final Score



Hip Health



Elbow Health



Estimated Breeding Value Indices (EBVi's)

Males

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe- rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows	litters	
ANGEL MICHAEL`S OLAF		STASJA CORNELIUS	5.01	106	100	72	124	112	105	100	100	106	104	112	108	6	1	3		1	
	2019	CDH JENNA1		5	5	21	36	5	50	35	49	36	39	41	45			2		1	
JAMBAL HAMBA		MIDDELPOS BBD GENIS	8.83	122	95	89	85	115	95	119	115	123	117	107	114	9	1				
	2021	JAMBAL KLEINMERAAL		5	5	15	44	17	59	43	58	45	47	49	54						
CHRISS RAM		ANGEL MICHAEL`S OLAF	7.28	91	108	78	103	97	79	99	102	95	95	93	95						
	2023	BBS KLARA		5	5	5	32	5	49	31	48	33	35	38	43						
CHRISS HAVOC		ANGEL MICHAEL`S OLAF	7.28	91	108	78	112	104	81	95	102	99	102	103	101						
	2023	BBS KLARA		5	5	5	25	5	38	24	37	26	28	30	34						
INCREDI BOEL HULK		GUNSMOKE PRINCE	5.31	98	102	89	76	95	77	97	125	105	100	93	103						
	2023	LEGRA SAARTJIE		5	5	5	33	5	46	32	45	34	36	38	42						
CHRISS MAGIC		JAMBAL HAMBA	7.68	108	101	100	90	109	100	111	111	116	110	105	110						
	2024	BRIEL ZARA		5	5	5	19	5	34	18	33	20	22	25	29						
CHRISS ENZO		JAMBAL HAMBA	7.68	108	101	100	90	109	100	111	111	116	110	105	110						
	2024	BRIEL ZARA		5	5	5	19	5	34	18	33	20	22	25	29						
CHRISS DIDI		JAMBAL HAMBA	7.68	108	101	100	90	109	100	111	111	116	110	105	110						
	2024	BRIEL ZARA		5	5	5	19	5	34	18	33	20	22	25	29						

Estimated Breeding Value Indices (EBVi's)

Females

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information

Inbreed

Health

Fertility

General

Appearance

Progeny :

Appraisal

Health

Progeny with litters

Name

BYr

Sire

Dam

%

Hips

Acc.

Elbows

Acc.

Litter Size

Acc.

Move-

ment

Tempe-

rament

Coat

General

Appear.

Head &

Face

Front

Quarter

Centre

Hind

Quarter

Final

Score

Progeny

Litters

Progeny

Kennels

Hips

Elbows

Progeny

with litters

BBS KLARA

2021

TARGUS RAM

BBS KARA

12.73

76

5

115

5

83

27

101

50

97

27

57

63

90

50

105

62

91

51

100

53

95

55

94

59

5

1

3

2

1

1

BRIEL ZARA

2021

WIESENHOF MENEER

ALESSANDRO BEAULA

6.17

94

5

108

5

111

5

96

31

102

5

106

45

103

30

107

44

108

32

103

34

104

36

106

41

14

2

THOMAS SCARLET

2021

ZKR BROCK

SCOUSER MEDEA

7.38

104

5

81

5

99

5

109

32

119

5

112

46

123

31

110

45

111

33

115

35

113

38

116

42

CHRISS KARA

2023

ANGEL MICHAEL'S OLAF

BBS KLARA

7.28

91

5

108

5

78

5

123

32

111

5

91

49

94

31

102

48

103

33

108

35

113

38

108

43

CHRISS RINA

2023

ANGEL MICHAEL'S OLAF

BBS KLARA

7.28

91

5

108

5

78

5

112

25

104

5

81

38

95

24

102

37

99

26

102

28

103

30

101

34

ROYAL CRESCENT PAULA

2023

ROYAL CRESCENT TEOWULF

KLEIN WITWAL BBD BUBLES

11.47

102

5

90

5

106

5

111

30

127

5

109

46

129

29

126

45

129

31

125

33

114

36

127

41

CHRISS VERA

2024

JAMBAL HAMBA

BRIEL ZARA

7.68

108

5

101

5

100

5

90

19

109

5

100

34

111

18

111

33

116

20

110

22

105

25

110

29

Estimated Breeding Value Indices (EBVi's)

Sires

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Sire Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move-ment	Tempe-rament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels	Hips	Elbows	with litters	
STASJA CORNELIUS		CAMELOT BBD CLYDE	5.99	104	107	70	108	104	95	101	101	105	99	99	101	40	4	8	2	2	5
	2013	GIANTS OF AFRICA MISTY		5	5	28	48	18	66	47	65	49	51	54	60		6			1	
TARGUS RAM		SPITSVUUR BBD TOKARA DRIFTER	11.20	57	129	70	99	99	82	105	100	100	111	91	98	269	46	77	3	3	44
	2017	TARGUS RINA		14	30	60	82	62	90	82	90	83	84	85	88		56			14	
WIESENHOF MENEER		FONT BOERBOELS MOJO	18.43	84	120	104	87	95	95	96	108	105	105	98	102	33	6	9			6
	2017	ROMSHA SALLY		5	5	5	53	8	71	52	70	54	57	60	65		7			3	
ZKR BROCK		PENINSULA PLAYBOY	5.90	102	82	94	96	109	113	133	113	97	110	100	110	89	9	17			12
	2018	MIDDELPOS BBD SERABIE		5	5	16	60	30	76	58	75	61	63	66	71		12			7	
ANGEL MICHAEL`S OLAF		STASJA CORNELIUS	5.01	106	100	72	124	112	105	100	100	106	104	112	108	6	1	3			1
	2019	CDH JENNA1		5	5	21	36	5	50	35	49	36	39	41	45		2			1	
MIDDELPOS BBD GENIS		BREKER MENEER	3.66	113	113	95	76	100	83	98	110	117	103	102	103	8	1	6			4
	2019	MIDDELPOS BBD LEXI I		5	5	34	55	34	66	54	66	55	57	59	63		6			1	
GUNSMOKE PRINCE		DUMAS BIG DEAL	4.92	94	93	95	65	105	97	127	144	109	120	98	120	54	8	16			4
	2021	GATEKEEPER NOVA		5	5	5	59	32	73	57	72	60	62	64	69		15			4	
JAMBAL HAMBA		MIDDELPOS BBD GENIS	8.83	122	95	89	85	115	95	119	115	123	117	107	114	9	1				
	2021	JAMBAL KLEINMERAAL		5	5	15	44	17	59	43	58	45	47	49	54						
ROYAL CRESCENT TEOWULF		KLEIN WITWAL BBD FROSTWOLF	10.38	102	96	101	109	132	120	140	146	149	138	116	142	18	2	3			1
	2022	FRANK IRENE CHLOE		5	5	5	45	8	65	44	64	46	49	52	58		3			1	

Estimated Breeding Value Indices (EBVi's)

Dams

Inbreeding >6.25% is high

< 80

>= 100

>= 120

Animal Information			Inbreed	Health		Fertility	General			Appearance						Progeny :		Appraisal	Health		Progeny with litters
Name	BYr	Sire Dam	%	Hips Acc.	Elbows Acc.	Litter Size Acc.	Move- ment	Tempe- r ament	Coat	General Appear.	Head & Face	Front Quarter	Centre	Hind Quarter	Final Score	Progeny Litters	Progeny Kennels		Hips	Elbows	
CDH JENNA1	2018	MIDDELPOS BBD JOCK 1	11.98	107	94	75	136	118	114	98	95	104	107	123	112	20	3	4	1	1	4
		CDH ELLA		5	5	47	55	33	69	55	68	56	58	60	64		2				1
BBS KARA	2019	MES HILUX	8.13	96	102	96	98	95	70	94	107	93	94	97	96	3	2	1			1
		MES KIARA		5	5	37	54	31	69	53	68	55	57	59	64		1				1
JAMBAL KLEINMERAAl	2019	ELEVATION COOPER	14.35	131	76	83	96	125	83	124	117	116	122	111	117	7	1	5			4
		ELEVATION MARAAI		5	23	35	52	31	63	51	62	52	54	56	59		5				1
ALESSANDRO BEAULA	2019	CDH BULLET	8.31	104	95	119	104	110	117	110	105	111	101	109	110	22	1	3			2
		KLEIN SANDFONTEIN JEAH		5	5	39	48	22	62	47	61	49	51	53	57		3				1
SCOUSER MEDEA	2020	KLEIN WITWAL BBD SHOT CALLER	8.62	106	80	104	121	128	110	113	107	125	119	125	122	16	2	6			2
		KLOPDISSELBOOM DORIS		5	5	12	45	16	60	43	59	46	48	50	55		4				1
BBS KLARA	2021	TARGUS RAM	12.73	76	115	83	101	97	57	90	105	91	100	95	94	5	1	3			1
		BBS KARA		5	5	27	50	27	63	50	62	51	53	55	59		2				1
LEGRA SAARTJIE	2021	LEGRA SPOOK	9.73	101	111	84	87	84	58	66	106	101	80	88	86	24	3	4			2
		MIDDELPOS BBD ROZAY		5	5	5	47	12	61	46	61	47	50	52	57		3				1
BRIEL ZARA	2021	WIESENHOF MENEER	6.17	94	108	111	96	102	106	103	107	108	103	104	106	14	2				
		ALESSANDRO BEAULA		5	5	5	31	5	45	30	44	32	34	36	41						
KLEIN WITWAL BBD BUBLES	2022	KLEIN WITWAL BBD UNO	10.95	102	84	111	113	122	99	119	106	109	112	112	113	26	1	2			1
		KLEIN WITWAL BBD LADY		5	5	18	51	22	68	51	67	52	55	57	63		2				1

