

# ThyssenKrupp Fördertechnik



## References

## Drum (Barrel) Reclaimers

CLIENT	Neunkirchen	Bokaro	Uninsa	Thyssen	Arbed	Nabalco	Nabalco	Voest	Usinor	CVRD	CVRD
COUNTRY	Germany	India	Spain	Germany	Luxembourg	Australia	Australia	Austria	France	Brazil	Brazil
NUMBERS OFF	1	3	2	2	1	1	1	1	1	1	1
TYPE	TAS 27.5	TAS 27.5	TAS 38	TAS 33.2	TAS 40	TAS 36	TAS 36	TAS 31	TAS 31.5	TAS 27.5	TAS 31
YEAR OF CONSTRUCTION	1967	1969	1969	1970	1970	1970	1970	1972	1972	1972	1972
MATERIAL	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Bauxite	Bauxite	Iron Ore	Iron Ore	Iron Ore	Iron Ore
SIZE m	-10	-10	-30	-10	-10	-25	-25	-10	-10	-50	-25
DENSITY t/m <sup>3</sup>	1.6	1.84	3.0	2.44	1.6	1.4	1.4	2.0	1.7 - 3	2.2	2.3
CAPACITY t/h	560 - 900	560 - 900	540 - 1950	1860 - 2800	400 - 2000	2000	400	500 - 1500	850 - 1500	150 - 500	1250 - 4500
RECLAIM MODE	uni-directional	uni-directional	uni-directional	uni-directional	uni-directional	bi-directional	bi-directional	bi-directional	uni-directional	uni-directional	uni-directional
DRUM CONSTRUCTION	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell
DRUM RPM	4.0	4.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	3.6	
NOS. OF BUCKETS	30	30	68	70	68	66	66	44	50	30	50
CUTTING CIRCLE DIA m	4.6	4.6	5.1	5.7	5.3	5.4	5.0	5.7	5.7	4.6	5.7
BELT WIDTH mm	1000	1000	1000	1200	1400	1200	650	1200	1200	900	1500
BELT SPEED m/s	2.1	2.1	2.62	2.26	2.1	3.35	2.63	2.63	1.92	2.1	3.18
STOCKPILE CROSS SECTION mxm	25 x 10.5	25 x 10.5	34 x 10	31.2 x 13.2	38 x 15	32 x 8.83	32 x 8.83	29 x 12	29 x 11.5	25 x 10.5	29 x 13
TOTAL INSTALLED POWER kW	145	145	160	190	290	216	138	215	203	180	360
SERVICE MASS t	193	193	338	317	358	330	315	330	340	221	324
DESIGNED BY	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	S + H	S + H	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany
MANUFACTURED BY	PWH-Germany	Elecon-India	PWH-Germany	PWH-Germany	PWH-Germany	S + H Australia	S + H Australia	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany
REFURBISHMENT				YES			YES				
YEAR OF CONSTRUCTION				1999			1996				
A - NEW SINGLE SHELL DRUM				X			X				
B - NEW DRUM DRIVE				X			---				
C - NEW CROSS CONVEYOR				X			---				
D - NEW RAKE				---			---				
E - NEW TRAVEL DRIVE				---			---				
DESIGNED BY				KMMH-RSA			KMMH-RSA				
MANUFACTURED BY				KMMH-RSA			KE-Australia				



## References

## Drum (Barrel) Reclaimers

CLIENT	CVRD	Arbed	Iscor - S	Iscor - S	Iscor - N	Iscor - G. D.	AIS-Port Kembla	Abono	Sidmar	RAG-Lohberg	CVRD
COUNTRY	Brazil	Luxembourg	South Africa	South Africa	South Africa	South Africa	Australia	Spain	Belgium	Germany	Brazil
NUMBERS OFF	1	1	2	2	1	1	1	3	1	1	2
TYPE	TAS 31	TAS 40	TAS 27.5	TAS 40	TAS 32	TAS 27.5	TAS 43.5	TAS 39	TAS 38	TAS 39	TAS 31
YEAR OF CONSTRUCTION	1972	1973	1972	1974	1974	1975	1974	1974	1976	1976	1977
MATERIAL	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Iron Ore	Dolomite	Iron Ore	Coal	Iron Ore	Coal	Iron Ore
SIZE	m	-25	-10	-32	10 - 30	-10	10 - 40	-6	-3	-15	-25
DENSITY	t/m <sup>3</sup>	3.0	1.6	2.65	2.54 - 2.71	2.45	1.6	2.5	0.8	2.0	2.1
CAPACITY	t/h	1070 - 3400	400 - 2000	1150 - 2300	1340 - 4000	300 - 1000	800	1200 - 2000	300 - 600	300 - 2200	400 - 2000
RECLAIM MODE	uni-directional	uni-directional	uni-directional	uni-directional	bi-directional	bi-directional	uni-directional	bi-directional	uni-directional	bi-directional	bi-directional
DRUM CONSTRUCTION	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell
DRUM RPM	4.3	4.0	4.0	4.25	3.5	4.0	3.5	3.5	3.5	2.66	4.25
NOS. OF BUCKETS	44	68	30	68	26	30	68	41	68	41	50
CUTTING CIRCLE DIA	m	5.7	5.3	4.8	5.7	5.7	4.8	6.4	6.0	5.7	5.7
BELT WIDTH	mm	1200	1400	1200	1600	1200	1200	1200	1200	1400	1200
BELT SPEED	m/s	3.18	2.1	2.74	2.62	2.65	2.74	3.0	2.62	1.5	3.18
STOCKPILE CROSS SECTION	mxm	29 x 13	38 x 15	24 x 8.1	36.4 x 12.3	30 x 10.1	24 x 8.1	41.5 x 14.4	38 x 16	36 x 14	28.4 x 11
TOTAL INSTALLED POWER	kW	310	240	200	360	190	160	280	196	260	176
SERVICE MASS	t	321	358	212	360	318	230	420	370	375	330
DESIGNED BY	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany
MANUFACTURED BY	PWH-Germany	PWH-Germany	PWH-RSA	PWH-RSA	PWH-RSA	PWH-RSA	PWH-Australia	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany
REFURBISHMENT				YES			YES			YES	
YEAR OF CONSTRUCTION				1991			1996			1996	
A - NEW SINGLE SHELL DRUM				X			X			X	
B - NEW DRUM DRIVE				---			---			X	
C - NEW CROSS CONVEYOR				X			---			X	
D - NEW RAKE				---			---			---	
E - NEW TRAVEL DRIVE				---			---			---	
DESIGNED BY				KMMH-RSA			KMMH-RSA			KMMH-RSA	
MANUFACTURED BY				KMMH-RSA			KE-Australia			KMMH-RSA	



## References

## Drum (Barrel) Reclaimers

CLIENT	Sasol	RAG-Aug. Victoria	Pacific Power	Sasol	Northern Lime	Genmin	Dillinger Hütte	Ekibastos	Bokaro	Tatra	ILVA
COUNTRY	South Africa	Germany	USA	South Africa	South Africa	South Africa	Germany	UDSSR	India	India	Italy
NUMBERS OFF	2	1	1	2	1	1	1	2	1	1	2
TYPE	TAS 40	TAS 39	TAS 43.5	TAS 40	TAS 40	TAS 40	TAS 35	TAS 43.5	TAS 27.5	TAS 31	TAS 38
YEAR OF CONSTRUCTION	1976	1978	1978	1979	1981	1982	1982	1984	1987	1987	2005
MATERIAL	Coal	Coal	Coal	Coal	Limestone	Coal	Iron Ore	Coal	Iron Ore	Iron Ore	Iron Ore
SIZE m	-38	-120	-50	-38	-90	-150	-10	-300	-10	-10	-10
DENSITY t/m <sup>3</sup>	0.85	-1.1	0.8	0.85	-1.6	-1.0	-1.8	1.1	-1.6		2.2
CAPACITY t/h	750 - 2400	1300 - 1560	3630	750 - 2400	- 750 - 2400	750 - 2150	1600	4000	1000	1200	2000
RECLAIM MODE	bi-directional	bi-directional	bi-directional	bi-directional	uni-directional	bi-directional	uni-directional	bi-directional	uni-directional		uni-directional
DRUM CONSTRUCTION	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	double-shell	single-shell	single-shell		single-shell
DRUM RPM	3.4	2.66	3.75 x 4.5	3.4	2.66	2.66	2.66	4.0	4.0		4.0
NOS. OF BUCKETS	64	41	68	68	48	48	43	92	30		48
CUTTING CIRCLE DIA m	6.0	6.6	7.0	6.0	6.0	6.0	6.5	7.0	4.6		5.7
BELT WIDTH mm	1650	1400	1800	1650	1500	1500	1200	1800	1000		1400
BELT SPEED m/s	3.0	4.0	3.55	3.5	2.38	2.38	2.8	2.5 - 3.7	2.1		2
STOCKPILE CROSS SECTION mxm	38 x 16.5	37 X 14.8	41.5 x 16.2	38 X 16.5	37.5 x 14.6	37.5 x 14.6	33 x 13.2	41.5 x 16.5	25 x 10.5		36 x 14
TOTAL INSTALLED POWER kW	242	235	400	242	268	234	242	435	145		300
SERVICE MASS t	405	380	460	405	365	365	325	540	193		375
DESIGNED BY	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany		TKF
MANUFACTURED BY	PWH-RSA	PWH-Germany	PWH-Germany	PWH-RSA	PWH-Germany	PWH-Germany	PWH-Germany	PWH-Germany	Elecon India		
REFURBISHMENT	YES	YES		YES		YES	YES				
YEAR OF CONSTRUCTION	1987	1995		1994		1995	2000				
A - NEW SINGLE SHELL DRUM	X	X		X		X	X				
B - NEW DRUM DRIVE	---	X		X		---	---				
C - NEW CROSS CONVEYOR	X	X		X		X	---				
D - NEW RAKE	---	---		---		---	---				
E - NEW TRAVEL DRIVE	---	---		---		---	---				
DESIGNED BY	KMMH-RSA	KMMH-RSA		KMMH-RSA		KMMH-RSA	KMMH-RSA				
MANUFACTURED BY	KMMH-RSA	KMMH-RSA		KMMH-RSA		KMMH-RSA	KMMH-RSA				



## References

## Drum (Barrel) Reclaimers

CLIENT	Sishen	Sishen									
COUNTRY	South Africa	South Africa									
NUMBERS OFF	1	1									
TYPE	TAS 41	TAS 41									
YEAR OF CONSTRUCTION	2005	2005									
MATERIAL	Iron Ore	Iron Ore									
SIZE	m	-25									
DENSITY	t/m <sup>3</sup>	2.4									
CAPACITY	t/h	2400									
RECLAIM MODE		bi-directional									
DRUM CONSTRUCTION		single shell									
DRUM RPM		4.0									
NOS. OF BUCKETS		60									
CUTTING CIRCLE DIA	m	6.2									
BELT WIDTH	mm	1500									
BELT SPEED	m/s	2.4									
STOCKPILE CROSS SECTION	mxm	38,3 x 16,6									
TOTAL INSTALLED POWER	kW	360									
SERVICE MASS	t	~425									
DESIGNED BY		KMMH-RSA									
MANUFACTURED BY		KMMH-RSA									
REFURBISHMENT											
YEAR OF CONSTRUCTION											
A - NEW SINGLE SHELL DRUM											
B - NEW DRUM DRIVE											
C - NEW CROSS CONVEYOR											
D - NEW RAKE											
E - NEW TRAVEL DRIVE											
DESIGNED BY											
MANUFACTURED BY											