

Build the Future



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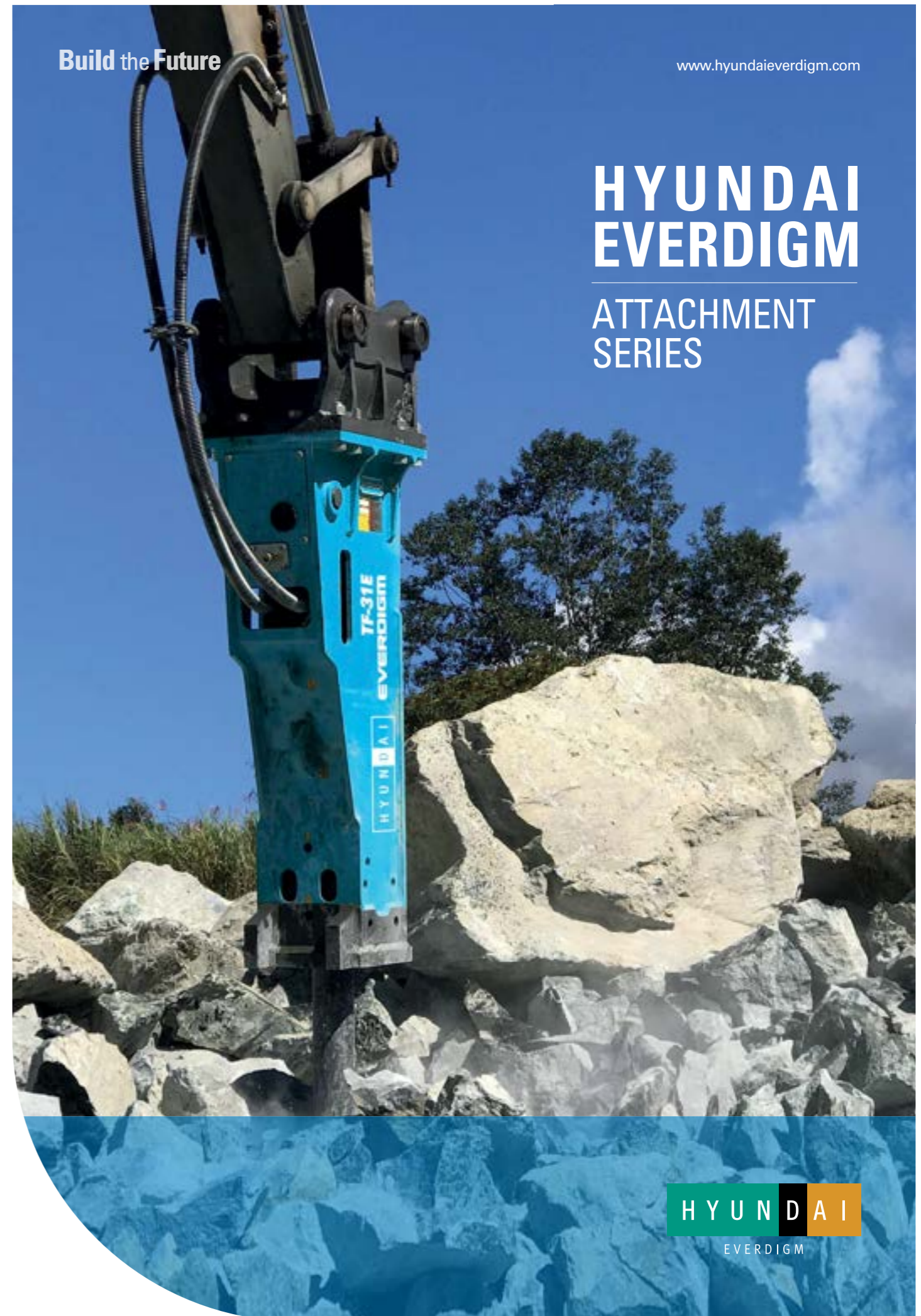
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HYUNDAI EVERDIGM

ATTACHMENT SERIES



ATTACHMENT TF-E SERIES



HYUNDAI

Hyundai is a name that is respected throughout various industries in Korea from automobile to engineering, shipbuilding and construction equipment.

Hyundai Everdigm is also a part of this proud name sharing a Hyundai heritage and tradition.

EVERDIGM

EVERDIGM

We, the Hyundai Everdigm is a heavy equipment manufacturer offering a full range of line up from breaker, multi-processor, pulverizer and other various equipment.

High impact energy by AEM tool energy rating

Better productivity by AEM certified tool energy rating
Giving customers more reliable guide for selection

High pressure accumulator (TF-24E and larger)

- Eliminates pressure fluctuation
- Increases impact power



Designing by Soild edge

Centralized lubricating system

Enable to utilize centralized auto grease system

Fewer components

Around one-third of its competitor around 30 to 90
Easy maintenance
Dealers need fewer spare parts in inventory
Easy to rebuild

Breaker Selection Guide (applicable carrier range and minimum required hydraulic power)

Model	Weight of carrier in tonnes (t)															
	1	2	3	4	5	6	7	8	10	12	14	16	18	20		
Model	Weight of carrier in kilopounds (kibs)															
	2	4	6	8	10	15	20	30	40	50	60	70	80	90		
Mini Size	TF-01E	0.7	1.2	2.5												
		1.5	2.6	5.5												
	TF-02E	1.0	2.5	4.0												
		2.2	5.5	8.8												
Small Size	TF-03E	1.5	3.0	4.5												
		3.3	6.6	9.9												
	TF-04E	2.5	4.5	6.0												
		5.5	9.9	13.2												
Medium Size	TF-05E	3.5	4.0	6	8											
		7.7	8.8	13	18											
	TF-06E	5	6	8	11											
		11	13	18	24											
Large Size	TF-10E	7	8	12	15											
		15	18	26	33											
	TF-13E	12	16	20												
		26	35	44												
Large Size	TF-24E	20	26	30												
		44	57	66												
	TF-31E	26	32	35												
		57	71	77												
Large Size	TF-40E	32	40	45												
		71	88	99												
	TF-50E	40	60	70												
		88	132	154												
Large Size	TF-70E	60	65	85	110											
		132	143	187	242											
	TF-85E	85	90	120	140											
		187	198	265	309											
Large Size	TF-100E	85	90	120	140											
		187	198	265	309											

This guide is valid for the normal excavators equipped with standard boom-arm. For carriers with special features, contact your Hyundai Everdigm dealer or service.

Consider AEM's tool energy rating

Why develop the tool energy rating?

The AEM tool energy rating is accepted by hydraulic breaker manufacturers from Finland, France, Germany, Italy, Japan, South Korea, Sweden and the United States. Everdigm Corp. has been accredited to self certify the tool, Energy rating obtained through test processes complying with AEM measuring Guide.



ATTACHMENT **TF-E SERIES**

BREAKERS LINEUP

BOX HOUSING

[Silence Type]

Silenced type breakers that are developed for environment and human health according to international trend of noise restriction. By wearing a hard boots of reinforced rock dragger and bracket, Box housing series provides much innovative durability with maximum power than ever. The benefits of these series are dual speed control system, hard boots (24 and larger), anti blank blow system, auto stop & auto start and single high pressure accumulator(24 and larger)

BA



LINE UP

TF-100E, TF-85E, TF-70E

TF-50E, TF-40E, TF-31E

TF-24E, TF-13E, TF-10E

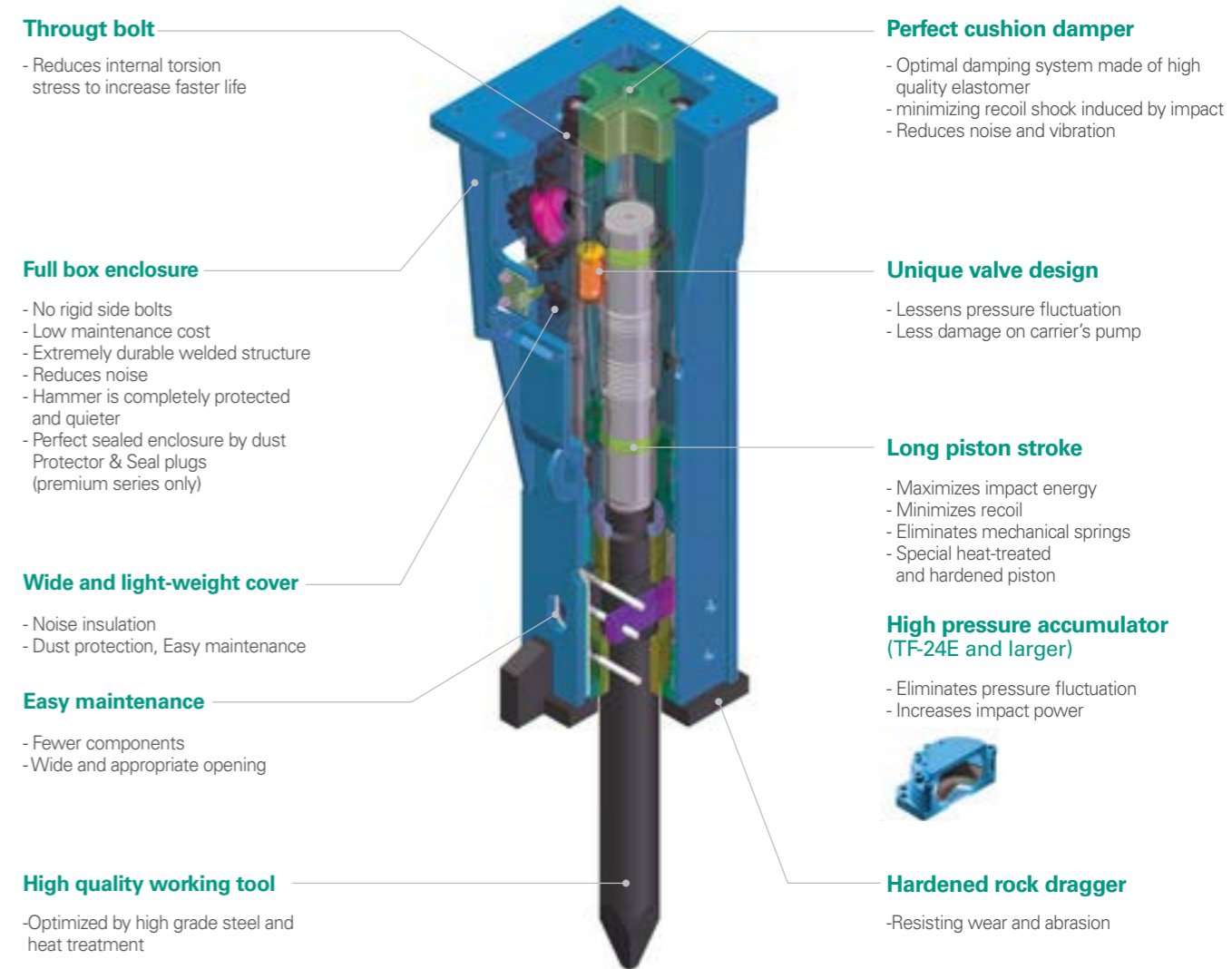
TF-06E, TF-05E, TF-04E

TF-03E, TF-02E, TF-01E

FEATURES AND BENEFITS

Proven Working Principle (oil and gas assist) - Pressurized nitrogen gas is the main power source, to operate with less demand on the carrier's hydraulic system.	Dual Speed Control - Control blow frequency adjusting to hardness of rock	Option - Auto dispense of lubricating paste, each time hammer is operating - High temperature & high grade chisel	Centralized Lubricating system - Enable to utilize centralized auto grease system
Fewer Components - Around one-third as its competitor, around 30 to 90 items depending on model - Easy maintenance - Dealers need fewer spare parts in inventory - Easy to rebuild	Anti-blank blow - Significantly reduces blank blow induced failures	Increased life time of dampers and wear plates. - New type of composite 2 layered damper and wear plate have longer lifetime than conventional material. This gives longer maintenance interval.	Rugged Construction - Jigsaw shaped main bracket design achieves better resilience from external force. This ensure sound and long lasting body structure.

ADVANCED TECHNOLOGY



ATTACHMENT **TF-E SERIES**



Specifications	unit	TF-01E	TF-02E	TF-03E	TF-04E	TF-05E	TF-06E	
		BA	BA	BA	BA	BA	BA	
Working weight	kg	106	106	178	232	344	449	
	lbs	234	234	393	512	758	990	
Overall length	mm	1136	1136	1260	1290	1630	1838	
	in	44.7	44.7	49.6	51	64	72.4	
Required oil flow	lpm	15~25	20~35	25~35	30~50	35~65	45~90	
	gpm	4.0~6.6	5.3~9.2	6.6~9.2	7.9~13.2	9.2~17	12~24	
Operating pressure	bar	90~110	70~100	90~110	110~140	140~170	140~170	
	psi	1305~1595	1015~1450	1305~1595	1595~2031	2031~2466	2031~2466	
Blow Frequency	Low speed	bpm	600~1,200	700~1,200	650~1,100	800~1,200	500~1,000	500~900
	High speed							
Impact energy (CLASS)	Low speed	ft.lbf	230	250	390	510	730	1,100
		mm	45	45	50	55	68	75
Tool diameter		in.	1.77	1.77	1.97	2.17	2.68	2.95
	Applicable carriers	t	0.7~2.5	1.0~4.0	1.5~4.5	2.5~6.0	3.5~8.0	5~11
		klbs	1.5~5.5	2.2~8.8	3.3~9.9	5.5~13.2	7.7~18	11~24

TF-10E	TF-13E	TF-24E	TF-31E	TF-40E	TF-50E	TF-70E	TF-85E	TF-100E
BA	BA	BA	BA	BA	BA	BA	BA	BA
504	835	1,690	2,307	2,986	3,776	6750	8457	10500
1,111	1,840	3,726	5,086	6,583	8,324	14881	18644	23149
1983	2214	2781	3076	3380	3707	4236	4591	4738
78.1	87.2	109	121.1	133.1	145.9	166.8	180.9	186.5
60~110	80~140	130~180	170~240	200~280	230~330	320~420	380~480	410~530
16~29	21~37	34~48	45~63	53~74	61~87	85~111	100~127	108~140
150~170	160~180	150~180	150~185	165~185	165~185	165~185	165~185	165~185
2176~2466	2321~2600	2176~2611	2176~2683	2393~2683	2393~2683	2393~2683	2393~2683	2393~2683
400~850	450~750	330~500	310~450	300~410	250~370	240~350	240~350	268~347
1,900	2,500	3,800	6,400	9,300	12,000	15,000	18,000	20,000
93	98	135	150	165	175	205	225	245
3.66	3.9	5.31	5.91	6.5	6.89	8	8.86	9.6
7~15	12~20	18~30	26~35	32~45	40~70	60~110	85~140	85~140
15.4~33	26~44	39~66	57~77	71~99	88~154	132~242	187~309	187~309

Note : 1) Total Weight including standard tool, standard mounting adapter and spacers but excluding hydraulic hoses, fittings and mounting pins.

2) Measured in accordance with the certified test procedure which complies with the AEM(formerly CIMA) tool energy rating for hydraulic breakers. Materials and specifications are subject to change without prior notice.

MULTI-PROCESSOR & PULVERIZER

HYDRAULIC MULTI-PROCESSOR

FEATURES

Multi-Processor has six types of interchangeable jaw sets mounted on a single base unit.

ADVANTAGES

- Hardened teeth
- Speed-up valve
- Wide jaw opening
- User-friendly blade clearance
- Pressure relief valve
- Unlimited 360o Hydraulic rotation

JAWTYPE



C - Crushing



D - Demolition



P - Pulverizing



S - Shearing



U - Universal



MS - Mobile shearing



HYDRAULIC PULVERIZER

FEATURES

with increased power and durability by state-of-art technology, Pulverizers have been designed for both primary demolition work, secondary concrete reduction material sorting.

FIXEDTYPE

- Tooth bolting style, Hardened teeth
- Reversible blades, Cracking tooth
- Integrated speed-up valve
- Trunnion type cylinder

ROTATABLETYPE

- Hydraulic 360o rotation unit
- Trunnion-supported type cylinder
- Reversible blades
- Integrated speed-up valve
- Wide jaw opening, Hardened teeth



MULTI PROCESSOR

Model	Jaw Type	Carrier Weight	Working Weight	Overall Length	Overall Width	Max Jaw Opening	Cutter Blade Length	Required Oil Flow	Max Operating Pressure	Crushing Force	Hyd. Swivel Motor	Speed Up Valve
		T(KLBS)	KG(LBS)	MM(IN)	MM(IN)	MM(IN)	MM(IN)	LPM(GPM)	BAR(PSI)	T(KLBS)		
TC22	C	20-28(44-62)	2,040 (4497)	2,311 (91)	1,438 (57)	903 (36)	237 (9)	150-250 (40-66)	320 (4,641)	68 (150)	ALL	ALL
	D		2,050(4519)	2,276 (90)	1,368 (54)	797 (31)	355 (14)			70 (154)		
	P		2,210(4872)	2,327 (92)	1,508 (59)	893 (35)	237 (9)			64 (141)		
	S		1,880(4145)	2,160 (85)	1,083 (42)	503 (20)	348 (14)			80 (176)		
	U		2,350(5181)	2,273 (89)	1,189 (47)	611 (24)	450 (18)			81 (179)		
	MS		2,040 (4497)	2,141 (84)	1,083 (43)	523 (21)	489 (19)			87 (192)		
TC32	C	28-36 (61-79)	3,030 (6,680)	2,533 (100)	1,684 (66)	1,119 (44)	240 (9)	200-300 (53-79)	320 (4,641)	95 (209)	ALL	ALL
	D		3,001 (6,616)	2,565 (101)	1,560 (61)	983 (39)	461 (18)			101 (223)		
	P		3,130 (6,900)	2,563 (101)	1,643 (65)	1,008 (40)	240 (9)			104 (229)		
	S		2,990 (6,592)	2,553 (101)	1,332 (52)	573 (23)	563 (22)			104 (229)		
	U		3,300 (7,275)	2,692 (106)	1,486 (59)	748 (29)	600 (24)			110 (243)		
TC40	S	36-47 (79-104)	4,400 (9,700)	3,283 (129)	1,609 (63)	700 (27)	620 (24)	280-360 (74-95)	320 (4,641)	162 (357)	ALL	ALL
	P		4,781 (10,540)	4,781	2,971 (117)	1,895 (75)	1,184 (47)	264 (10)		166 (366)		
	C		4,694 (10,348)	4,694	2,807 (111)	1,970 (78)	1,274 (50)	264 (10)		159 (351)		
	MS		4,593 (10,126)	4,593	2,937 (116)	1,612 (63)	707 (28)	775 (31)		173 (381)		
	D		4,635 (10,218)	4,635	3,063 (121)	1,879 (74)	1,209 (48)	507 (20)		158 (348)		

PULVERIZER

FIXED TYPE

Model	Carrier weight	Working weight	Overall length	Jaw-width	Max Jaw opening	Cutter blade Length	Required oil flow	Max. operating pressure	Crushing force [tip]	Speed up valve
	T(KLBS)	KG(LBS)	MM(IN)	MM(IN)	MM(IN)	MM(IN)	LPM(GPM)	BAR(PSI)	T(KLBS)	
TP16	13-20 (29-44)	1,100 (2,425)	1685 (66)	384/330 (15/13)	680 (27)	240 (9.4)	100-180 (26-48)	320 (4,641)	51 (112)	
TP19	16-25 (35-55)	1,362 (3,003)	1985 (78)	438/350 (17/14)	732 (29)	240 (9.4)	150-250 (40-66)	320 (4,641)	54 (119)	STANDARD
TP22	20-28 (44-62)	1,890 (4,167)	2181 (86)	470/346 (19/14)	889(35)	360 (14.2)	150-250 (39-66)	320 (4,641)	64 (141)	STANDARD
TP32	28-36 (62-79)	2,745 (6,052)	2371 (93)	532/370 (21/15)	1,049 (41)	480 (18.9)	200-300 (53-79)	320 (4,641)	78 (172)	STANDARD

ROTABLE TYPE

TP16R	13-16 (29-35)	1,250 (2,756)	1,840 (72)	384/330 (15/14)	720 (28)	240 (9.4)	100-180 (26-48)	320 (4,641)	51 (112)	
TP20R	17-25 (37-55)	1,764 (3,889)	2,078 (82)	438/350 (17/14)	766 (30)	240 (9.4)	150-250 (40-66)	320 (4,641)	56 (123)	STANDARD
TP25R	20-27 (44-60)	2,300 (5,071)	2,468 (97)	470/346 (19/14)	925 (36)	360 (14.2)	150-250 (40-66)	320 (4,641)	67 (148)	STANDARD
TP35R	28-36 (62-79)	2,950 (6,504)	2,663 (105)	532/370 (21/15)	1,056 (42)	360 (14.2)	200-300 (53-79)	320 (4,641)	78 (172)	STANDARD

COMPACTOR & GRAB

PLATE COMPACTOR

FEATURES

Plate compactors are developed to maximize productivity & minimize downtime with variety of the highest functions. Operators will experience a full satisfaction

ADVANTAGES

- Simple and adaptable mounting frame
- Hose protection by mono hose block
- Elastic cushion rubber
- Powerful gear motor
- Double- check valve
- Valve package
- Free lubrication



GRAB

FEATURES

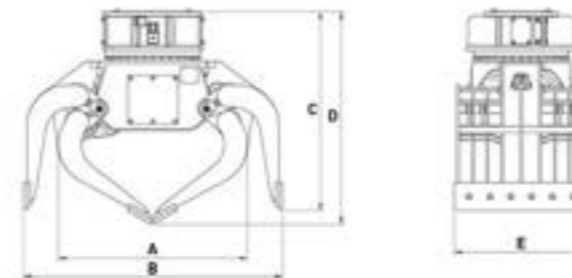
Multi-purpose grab was designed for selective demolition, sorting of recyclable material and loading of various materials

ADVANTAGES

- Various line up, Easy maintenance and repairing,
- Weight balance with excavator, Body bottom change,
- Stopper, HARDOX plate,



DIMENSION



Specification	Unit	TV05A	TV10A	TV15	TV20	TV30
Impulse force	tonne(klbs)	1.7(3.7)	3.2(7.1)	6.4(14.1)	11.2(24.7)	17.3(38.1)
Weight						
Adapter mount type	kg[lbs]	261(575)	430(948)	689(1,519)	1,094(2,412)	1,502(3,311)
Direct mount type	kg[lbs]	264(582)				
Height(H)						
Adapter mount type	mm(in)	647(25.5)	640(25.2)	750(29.5)	840(33.9)	943(37.1)
Direct mount type	mm(in)	695(27.4)				
Width (W)	mm(in)	440(17.3)	610(24.0)	740(29.1)	860(33.9)	1,000(39.4)
Base plate (W x L)						
Dimension	mm[in]	440 x 460(17.6 x 18.1)	610 x 507(24 x 20)	740 x 1050(29.1 x 41.3)	860 x 1200(33.9 x 47.2)	1,000 x 1,300(39.4 x 51.2)
Compaction area	m ² (ft ²)	0.31(3.4)	0.52(5.6)	0.78(8.4)	1.03(11.1)	1.30(14.0)
Oil flow required	lpm(gpm)	45 - 65(11.9 - 17.2)	50 - 120(13.2 - 31.7)	80 - 116(21.1 - 30.6)	110 - 162(29.1 - 42.8)	160 - 220(42.3 - 58.1)
Max.cycle per minute	lpm(gpm)	2,100(555)	2,000(528)	2,000(528)	2,000(528)	2,000(528)
Operating pressure						
Free load	bar(psi)	30 - 50(435 - 725)	30 - 50(435 - 725)	30 - 50(435 - 725)	30 - 50(435 - 725)	30 - 50(435 - 725)
With load	bar(psi)	100 - 220(1,450 - 3,191)	100 - 138(1,450 - 2,002)	100 - 138(1,450 - 2,002)	100 - 138(1,450 - 2,002)	100 - 138(1,450 - 2,002)
Optimal range	tonne(klbs)	4 - 6(9 - 13)	6 - 10(13 - 22)	11 - 16(24 - 35)	17 - 25(37 - 55)	26 - 40(57 - 88)

Specification	Unit	TG-05	TG-08	TG-14	TG-20	TG-30
Number of cylinder	ea	1	1	1	1	2
Carrier Weight	tonnes[tons]	4 - 8 [4.4-8.8]	7 - 10 [7.7 - 11]	11 - 16 [12.1 - 17.6]	18 - 25 [19.8 - 26.6]	25- 38 [27.6 - 41.9]
Operating Weight	kg[lbs]	411 [906]	550 [1,213]	1,050 [2,315]	1,423 [3,137]	2,275 [5,016]
Max. closing force	tonnes[tons]	2.5 [2.8]	3.2 [3.5]	4.6 [5.1]	5.7 [6.3]	9.2 [10.1]
Oil flow rate	lpm(gpm)	20 - 60 [5.3 - 15.9]	20 - 60 [5.3 - 15.9]	40 - 80 [10.6 - 21.1]	60 - 120 [15.9 - 31.7]	80 - 160 [21.1 - 42.3]
Pressure	bar[psi]	300 [4,351]	300 [4,351]	350 [5,076]	350 [5,076]	350 [5,076]
Capacity	liter(gal)	230 [60.8]	320 [84.5]	450 [118.9]	750 [198.1]	1,100 [290.6]
A	mm[in.]	1,042 [41]	1,186 [46.7]	1,273 [50.1]	1,536 [60.5]	1,663 [65.5]
B	mm[in.]	1,533 [60.4]	1,736 [68.3]	1,744 [68.7]	2,044 [80.5]	2,350 [92.5]
C	mm[in.]	1,162 [45.7]	1,303 [51.3]	1,340 [52.8]	1,548[60.9]	1,609 [63.3]
D	mm[in.]	1,292[50.9]	1,447 [57]	1,433 [56.4]	1,678 [66.1]	1,777 [70.0]
E	mm[in.]	600 [23.6]	700 [27.6]	900 [35.4]	1,000 [39.4]	1,250 [49.2]