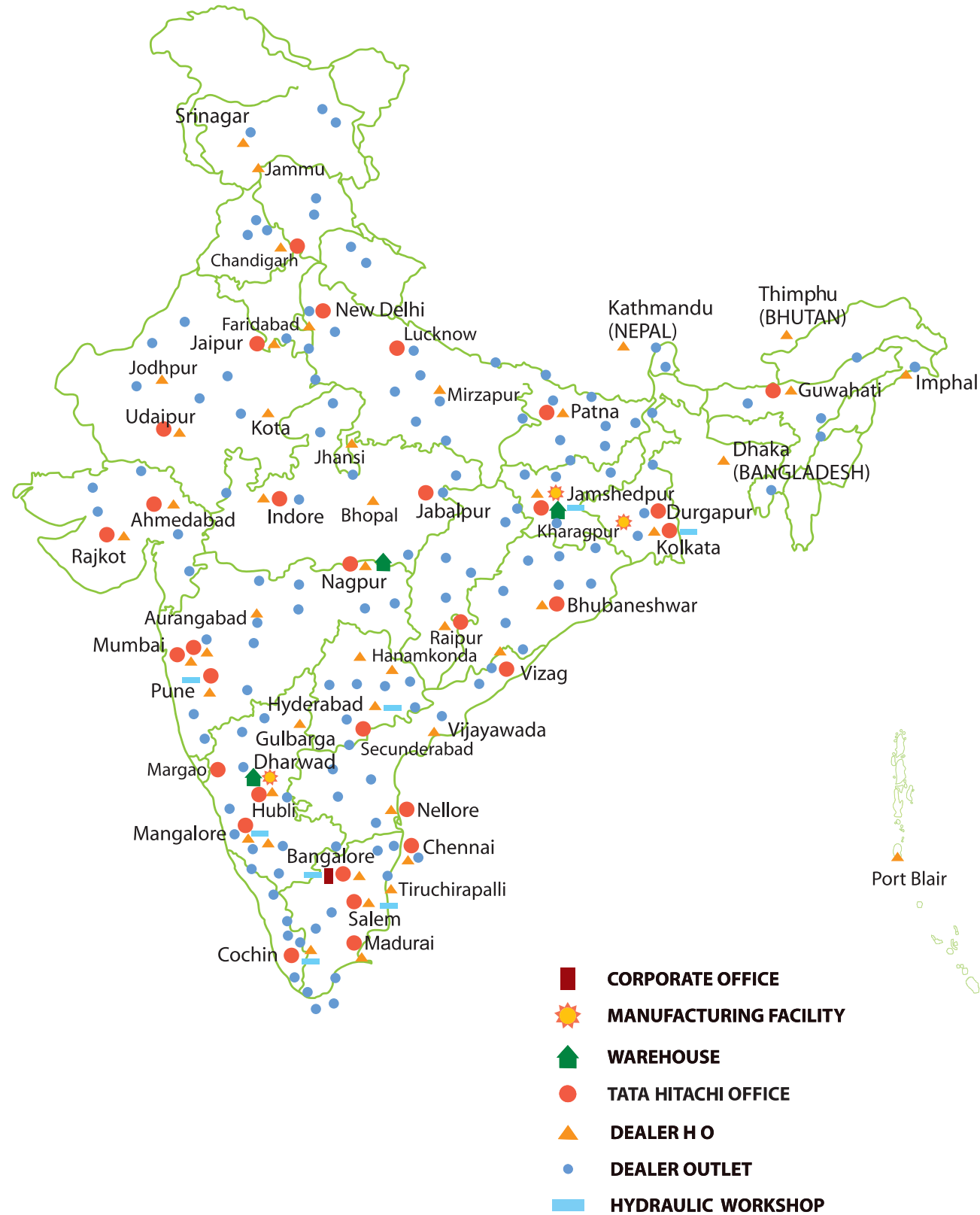


OUR NETWORK



TATA HITACHI

A RANGE OF ATTACHMENTS TO PERFORM VARIED APPLICATIONS



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Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.

THCM/Attachments/2019/EN/NOV/2019

AN EXTENSIVE RANGE OF APPLICATION SOLUTIONS

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Irrigation - Canal Excavation	- Rock Breakers		
	- Super Long Reach		
	- Plate Compactor		
Metal Recycling / Material Handling	- Shear		
	- Magnet Attachment		
	- Orange Peel Grab		
	- Clamshell Bucket		
Forestry	- Sorting Grapple / Rake		
	- Wood Grapple		
Tunnelling	- Rock Breakers		
Others	- Quick Coupler		

TATA HITACHI ATTACHMENTS FOR ALL APPLICATIONS

An extensive range of customized attachments that meet the demands of specific industry applications. These include Urban Development, Inland Waterways, Irrigation, Demolition/ Crushing, Material Handling, Metal Recycling, Mining, Tunnelling and many more.



GH SERIES ROCK BREAKER

DESIGNED AND MANUFACTURED IN JAPAN

FEATURES

- Excellent power-to-weight ratio.
- High-impact energy leading to greater productivity.
- Unique gas charged piston providing high impact energy with less recoil.
- Quick-change chisel replacement making it easy & reducing down-time.
- Replaceable cylinder sleeve for easy and economical rebuild.
- Simple two-moving-parts design for greater reliability.



SPECIFICATIONS

CONSTRUCTION SEGMENT					MINING SEGMENT				
Breaker Model	Unit	GH-6	GH-9	GH-10	GH-15	GH-18	GH-30	GH-40	GH-50
Excavator Weight Class ¹⁾	Ton	10-16	19-21	19-21	29-38	39-50	60-80	90-110	100-120
Operating Weight ²⁾	Kg	950	1590	1810	2895	3430	5470	7750	11300
Oil Flow	Lpm	90-150	150-200	165-210	200-250	220-290	280-350	300-400	350-450
Operating Pressure	Bar	165	180	150-180	150-170	150-170	160-180	160-180	150-180
Impact Blow Rate	Bpm	450-800	500-650	430-550	350-450	300-400	310-390	240-330	210-280
Chisel Diameter	mm	106	126	136	156	165	184	204	214
Tata Hitachi Suitable Excavator	Model	EX130 Super+/ ZX140H	EX200LC Super+/ EX210LC Super+/ ZX220LC	EX200LC Super+/ EX210LC Super+/ ZX220LC	ZX370LCH	ZX470H	ZX650H	ZX870-5G	EX1200V

CHOICE OF OPTIONS

Underwater Works		•	•	•
Auto-Greasing System Hole		•	•	•
ABF(Anti-Blank Firing) System		•	•	•
Auto-Greasing Unit		•	•	•
Low-Noise Housing Bracket		•	•	•

- 1) Standard weight of carrier.
2) Standard weight hydraulic breaker with adaptor and tool.

APPLICATION



MINING & QUARRYING
• Primary Breaking
• Secondary Breaking



DEMOLITION & RENOVATION
• Masonry Structures
• Concrete Structures
• Composite Steel
• Pavements – Asphalt, Concrete



METALLURGICAL INDUSTRY
• Slag Recycling
• Cleaning & Debricking



CONSTRUCTION
• Earthwork
• Trenching
• Ground excavation
• Tunneling
• Foundation work
• Building construction

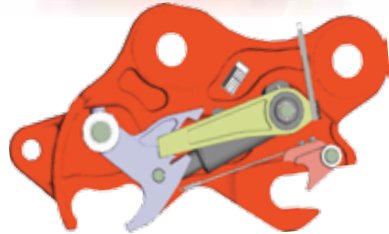
• Standard • Option — N/A

QUICK COUPLER

TWIN LOCK POWER LATCH QUICK COUPLER

FEATURES

- Quick Couplers facilitates rapid change of bucket and attachments increasing the equipment utilization and productivity.
- Fully Automatic hydraulic coupler with unique Automatic Blocking System (ABS) eliminates the need for a manually inserted safety pin.
- Strong, durable, high-tensile precision single piece cast steel frame.
- Twin-locking feature for front and rear attachments pins mechanically locked, in the event of any hydraulic power loss.
- Attachments can only be removed in a safe, fully crowd-in position.
- Short payback period of less than six months.



SPECIFICATIONS

Description	Unit	Range 4	Range 6	Range 8	Range 9	Range 11	Range 13
Excavator Weight Class	Ton	11-15	19-23	30-39	40-49	65 ~ 70	100 ~ 120
Operating Weight	Kg	180	310	560	850	1350	2120
Front and Rear Pin diameter	mm	60 & 65	80 & 80	90 & 100	100 & 110	120 & 130	120 & 130
Attachments pick up range	mm	345 ~ 415	430 ~ 520	482 ~ 602	572 ~ 603	640 ~ 645	640 ~ 645
Tata Hitachi Suitable Excavator	Model	Ex130 Super+/ Zx140H	EX200LC Super+/ EX210LC Super+/ ZX220LC	ZX370LCH	ZX470H	ZX650H	EX1200V

MECHANICAL QUICK COUPLER

FEATURES

- Structural integrity & life is increased for main attachment component.
- Simplified and cost-effective system.
- Hardox steel for high durability.

SPECIFICATIONS

Description	Unit	Range 3
Excavator Weight Class	Ton	4-8
Operating Weight	Kg	87
Front and Rear Pin Diameter	mm	50&55
Attachments pick up range	mm	348-350
Tata Hitachi Suitable Model		Shinrai



AUGER

FEATURES

- Manufactured from high grade materials & precision engineered products.
- Designed to withstand extreme working conditions.
- Unique Design of single piece drive shaft to prevent shaft dislodgement.
- Interchangeable wear parts & pilot extensions for improved flexibility and accuracy.
- Amplified torque & high efficiency due to planetary gearbox.
- Best in class warranty policy



SPECIFICATIONS

Description	Unit	3000 Max	3500 Max	8000 Max	15000 Max	25000 Max	42000 Max
Torque Range	Nm	959-2877	1,205-3,614	2,717-8,152	5,024-15,071	16,503-24,755	24,612-42,387
Oil Pressure Range	Bar	80-240	80-240	80-240	80-240	160-240	180-310
Oil flow Range	Lpm	27-75	40-85	70-150	80-170	80-170	80-225
Unit Weight	Kg	71	73	116	173	269	442
Auger Diameter Range	mm	100-600	100-750	150-1200	150-1200	150 - 1500	300 - 1800
Auger Depth Range	M	1.4-3	1.4-3	2.4-6	3.7-7.5	4.1-9	4.9-11.5
Output Shaft Std.	mm	65	65	75	75	75	110
Suitable Machine Class	Ton	2-4	2.5-4.5	6-8	10-15	15-22	20-45

APPLICATION



ELECTRICAL POLE



PLANTATION, FOUNDATION/ CASING INSTALLATION



SOLAR PANEL INSTALLATION



DEWATERING APPLICATION



LANDSCAPING, FENCING, BORING ETC.



SUPER LONG REACH

APPLICATIONS

- Desilting operations in ports, canals & lakes.
- Agriculture well rejuvenation.
- Inland waterways development.
- Urban construction work.
- Road construction & bridges.
- Miscellaneous applications such as salt pans & fly ash handling.
- Seawall construction & dredging.



SPECIFICATIONS

Excavator Operating Weight	Length		Max. Reach		Max. Depth		Max. Height		Boom Height		Approximate Bucket Capacity
	m	ft	m	ft	m	ft	m	ft	m	ft	
11-14 ton	12	40'	11.9	39'10"	7.9	25'11"	12.35	40'6"	2.3	7'6"	0.35
20-22 ton	14.5	47'5"	14.5	47'5"	11.05	36'2"	12.11	39'7"	2.3	7'5"	0.5
	15.5	50'8"	15.5	50'8"	11.62	38'1"	13.5	44'2"	2.5	8'2"	0.4
33-38 ton	18.5	60'	18.5	60'	13.9	54'7"	16.15	52'11"	3.15	10'4"	0.7
40-45 ton	21	69'	21	69'	13.95	45'9"	15.4	50'6"	3.7	12'1"	0.8
60-68 ton	23.5	77'	23.5	77'	17	55'9"	19.95	65'5"	3.95	12'11"	1.5
80-95 ton	23.5	77'	23.5	77'	17.35	56'11"	19.95	65'5"	4.25	13'11"	1.6
	25	82'	25	82'	18.65	61'2"	20.95	68'8"	4.35	14'3"	1.5
100-125 ton	25	82'	25	82'	17.6	57'8"	21	68'10"	5.35	17'6"	2
	27	88'	27	88'	20.4	66'11"	18.8	61'8"	5.35	17'6"	1.8

Note- Long reach length & bucket capacity will vary upon application, hence consult with relevant team before offering to customer.

APPLICATION



DREDGING



EROSION CONTROL AND PREVENTION



MAINTENANCE & CLEANING OF RIVERS, LAKES, SHORELINES, PONDS, ETC



DRAINAGE / LAND RECLAMATION WORK IN CITIES

CLAMSHELL BUCKET

LIGHT WEIGHT APPLICATION

FEATURES

- Pendulum-type clam shell bucket which helps ease of operation during materials loading & unloading.
- Less operation cycle compared to normal operation.
- Rotating option: Hydraulic rotating type.
- Dual Cylinder: Dual hydraulic cylinder for excellent digging force.
- Optimal bowl radius for highest fill factor.
- Choice of option: Tooth points.



SPECIFICATIONS

Description	Unit	DMCB1000
Operating Weight	Kg	1250
Capacity	m3	1
Recommended Carrier	Ton	18-25

HEAVY DUTY APPLICATION

SPECIFICATIONS

Hydraulic Clamshell Grabs - Pile Density upto 1.0 T/m3

Type and size	Excavator Operating Weight (Ton)(**)	Grab capacity	Dead weight	Max. lifting capacity
HiCG	Ton	m3	Kg	Ton
600	18-30	0.6	1040	3
700	18-30	0.7	1100	3
800	18-30	0.8	1125	3
1250	18-30	1.25	1295	3
1500	18-30	1.5	1380	5
1600	18-30	1.6	1400	5
1750	18-50	1.75	1465	5
2000	18-50	2	1665	5
3000	18-50	3	2065	7
3500	18-50	3.5	2465	7

SPECIFICATIONS

Hydraulic Clamshell Grabs - Pile Density upto 2.0 T/m3.

Type and size	Excavator Operating Weight (Ton)(**)	Grab capacity	Dead weight	Max. lifting capacity
HiDG	Ton	m3	Kg	Ton
600.27	12-20	0.6	915	4.0
800.28-S	18-30	0.8	1290	6.0
1000.28-S	18-30	1	1470	6.0
1200.28-S	18-30	1.2	1520	6.0
1600.28-S	18-50	1.6	1715	6.0
2000.28-S	18-50	2	1990	6.0
3000.28-S	18-50	3	2040	-

Remarks: *** As per Excavator Arm width & Arm pin diameter. ** Excavator Operating weight will change depending upon material application

MATERIAL HANDLER

FEATURES

- Customized design for superior lifting capacity & better stability.
- Reinforced structure to meet tough operating conditions.
- Boosts production and widens working ranges with long term cost saving.



SPECIFICATIONS

Excavator Model	Reach (meter)
ZX370LCH	12m
ZX470H	14m
ZX650H	16m

APPLICATION



HIGH VOLUME BULK MATERIAL HANDLING



IDEAL FOR LOADING & UNLOADING BULK CARGO AT DOCKS



REPLACES CABLE OPERATED MATERIAL HANDLING MACHINES.



MATERIAL HANDLING

• Industrial wastes, grains, sands, etc.



LOADING AND UNLOADING

• Coal, iron ore, gravel, clinker from railway wagon and barge.

ORANGE PEEL GRAB

FEATURES

- Loading/unloading metal scrap, wastes and garbage.
- Pendulum type.
- Rotating options: Hydraulic rotating type, free rotating type or fixed type.
- Number of tines: 4/5/6.
- Tines options: Close type, semi-close type, open type.

LIGHT WEIGHT APPLICATIONS

SPECIFICATIONS

Description	Unit	DMSG800
Operating Weight	Kg	1,200
Capacity	m3	0.7
Recommended Carrier	Ton	18~25
Standard Tines No.	ea	5



HEAVY DUTY APPLICATIONS

SPECIFICATIONS

Type and size	Excavator Operating Weight (Ton)(**)	Grab capacity	Dead weight in kg by Tines design			Number of Tines (**)	Max. lifting capacity
HiOG	Ton	m3	Open	Semi-open	Closed	No.	Ton
600.25	12-22	0.6	1245	1310	1395	5	3.5
800.25	12-22	0.8	1270	1330	1440	5	3.5
2000.28-S	20-40	2	2210	2380	2700	5	6

Remarks: * 5 no. Tines are standard. ** No. of tines can be changed depending upon the material size & shape.
*** As per Excavator Arm width & Arm pin diameter

APPLICATION



SORTING



WASTE HANDLING



CLEANING SITES

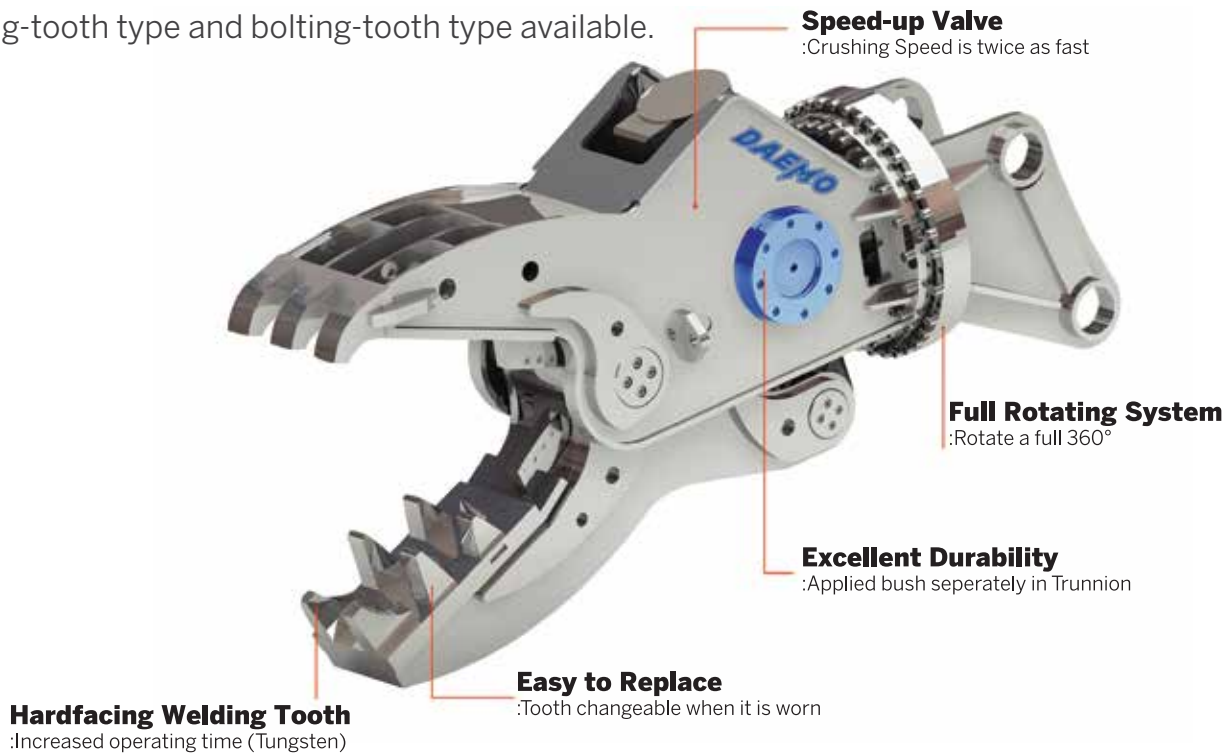


LOADING

ROTATING CRUSHER

FEATURES

- 360° workable direction.
- Workable in on narrow building spaces or noise-regulated environment.
- Speed-up valve accelerates work speed. (Optional)
- Moving arm tooth replaceable as standard.
- Welding-tooth type and bolting-tooth type available.



SPECIFICATIONS

Description	Unit	DMC230R	DMC230RB	DMC330R	DMC330RB
Operating Weight	Kg	2,250	2,300	3,050	3,100
Maximum Opening Width	mm	780	780	890	890
Overall Length	mm	2,500	2,480	2,660	2,685
Crushing Force (End)	Ton	57	57	73	73
Operating Pressure	Bar	320	320	320	320
Oil Flow Rate	Lpm	200~250	200~250	250~300	250~300
Excavator Class	Ton	20~28	20~28	27~38	27~38

APPLICATION



STEEL STRUCTURES

- Cutting Steel Profiles
- Cutting Steel Girders/Beams
- Cutting Reinforcement



REINFORCED CONCRETE

- Primary Demolition
- Secondary Demolition



NON-REINFORCED CONCRETE

- Primary Demolition
- Wall Elements
- Secondary Demolition



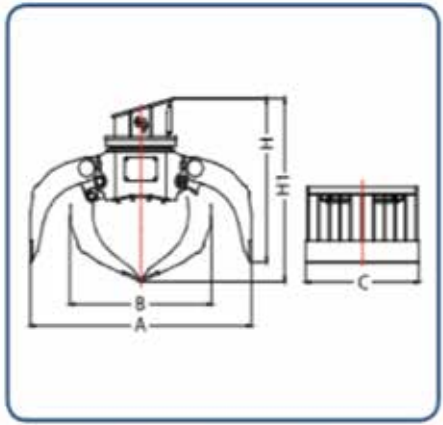
LIGHT DEMOLITION

- Light Structure
- Masonry
- Beams
- Inside Renovation

SORTING GRAPPLE/RAKE

FEATURES

- Link type/ Pendulum type mounting bracket depending upon site requirement.
- Rotation option type: fixed or hydraulic.
- Tooth replacement version.



SPECIFICATIONS

Description	Unit	DMR600	DMR800	DMR1000
Operating Weight	Kg	970	1300	2200
Capacity	m3	0.36	0.6	0.93
Max Clamping Force	Ton	3.7	5	7.4
A	mm	1790	2180	2445
B	mm	1210	1356	1485
C	mm	800	1000	1100
H	mm	1216	1437	1595
H1	mm	1379	1682	1900
Recommended Carrier	Ton	14~18	18~25	25~38

APPLICATION



SORTING



WASTE HANDLING



CLEANING SITES

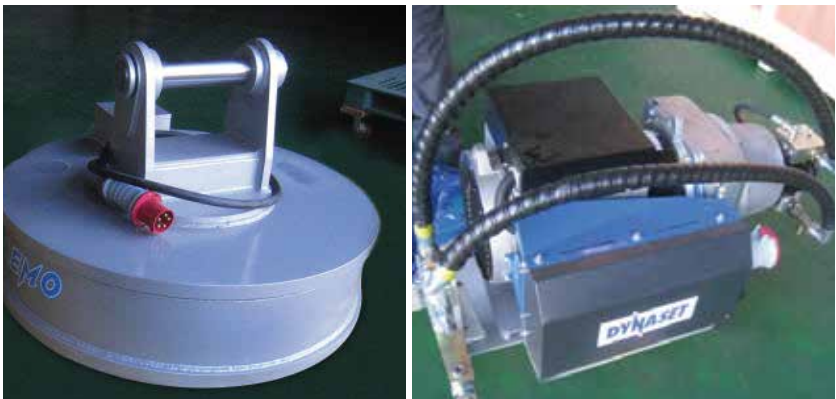


LOADING

MAGNET

FEATURES

- High efficiency for loading/ unloading metal scrap.
- Reduced cost of follow-up maintenance.
- Extended operational area.
- Choice of options: fixed, link, knuckle and grapple.
- Supplied with Hydraulic Genset



SPECIFICATIONS

Description	Unit	DMSL920	DMSL1150	DMSL1350	DMSL1550	DMSL1850
Operating Weight	Kg	850	1,400	1,850	2,300	3,000
Excavator Class	Ton	10~15	18~25	25~32	32~45	47~50
Magnet Diameter	Φ	920	1,150	1,350	1,550	1,850
Capacity	Iron Plate	9,000	14,000	19,000	24,000	27,000
	Lump of Iron	200	600	1,200	1,600	2,000
	Scrap	200	400	800	1,000	1,200
Electric Current	A	26	43	60	78	95
HYDRAULIC MAGNET GENERATOR SPECIFICATION						
Hydraulic Generator (Max)	kW	10	15 (STD)/20 (OPTION)	20	30	
Magnetic Coil Power (Max)	kW	9	14.5/19.5	19.5	29.5	
Operating Voltage	VDC	220±5%				
Pressure Line	P	BSP 1/2"	BSP 3/4"	BSP 3/4"	BSP 3/4"	
Return Line	R	BSP 1/2"	BSP 1"	BSP 1"	BSP 3/4"	
Drain Line	D	06L-(M12X1.5 Male)	BSP 1/4"	BSP 1/4"	M22X1.5	
Flow Min	Lpm	50	68 / 94	94	122	
Flow Max	Lpm	68	95 / 110	110	140	
Pressure at Nominal Power Output	Bar	180	190	190	190	
Pressure Max	Bar	210	210	210	250	

APPLICATION



METAL RECYCLING



STEEL MILLS



INDUSTRIAL METAL HANDLING



METAL ITEMS
LOADING/
UNLOADING

SHEAR

FEATURES

- 360° workable direction.
- H-beam and I-beam can be cut in a single cut.
- Easier cutter replacement.
- Speed-up valve accelerates work speed.
- Speed-up valve as standard for DMS400, DMS550X, DMS700.



SPECIFICATIONS

Description		Unit	None Guide Block Type		Demolition	Guide Block Type			
			DMS250	DMS300		DMS360	DMS400	DMS550X	DMS700
Operating Weight		Kg	2,200	2,920	2,790	3,450	5,300	6,800	7,900
Max. Opening Width		mm	668	570	806	456	710	802	896
Overall Length		mm	2,353	2,410	2,588	2,690	4,625	5,050	5,480
Cutting Force (Max)		Ton	259	370	347	495	1,150	1,500	1,750
Operating Pressure		Bar	320	320	320	320	340	340	340
Oil Flow Rate		Lpm	200~250	250~300	250~300	290~320	200~320	250~320	320~
Excavator Class		Ton	22~27	27~33	27~33	33~45	25~ (2nd) 41~ (3rd)	36~ (2nd) 50~ (3rd)	42~ (2nd) 73~ (3rd)
Cutting Capability	H-Beam	mm	150×150	200×200	200×200	300×300	350×350	380×380	450×450
	I-Beam		200×125	300×150	300×150	350×150	400×175	600×190	600×190
	Solid Round		40	50	50	60	70	80	90
	Channel Plate		250×90×13	380×100×16	380×100×16	425×100×10	425×100×10	425×100×10	425×100×10
	Angle Plate		100×100×10	150×150×15	150×150×15	200×200×20	200×200×25	250×250×25	250×250×30

APPLICATION



WOOD GRAPPLE

FEATURES

- Link type/ Pendulum type mounting bracket depending upon site requirement.
- Rotating type.
- Loading/unloading timbers, logs and pipes.
- Wide jaws suitable for various work requirement.



SPECIFICATIONS

Model	Excavator Operating Weight (Ton) (**)	Area (tip to tip) (m^2)	Tongs Width (mm)
HHG.32	18~34	1.00~1.75	800/640
HHG.33	30~60	1.25~2.50	800/640
HHG.34-K	30~60	2.50~4.00	800

Remarks: ** Excavator Operating weight will change depending upon material application

APPLICATION



PLATE COMPACTOR

FEATURES

- High compaction efficiency for ground, trench and slope.
- Requires only Breaker piping kit.
- Control block system for easy & safe setting.
- Robust design with bending structure & hub type damper.



SPECIFICATIONS

Description		Unit	DMV50	DMV140	DMV230	DMV300
Impulse Force		Ton	2.3	3.7	7.5	11
Weight		Kg	342	624	850	1282
Compact Area	Width	mm	450	650	750	900
	Length	mm	700	750	1000	1200
Oil Flow Required		Lpm	30-55	90-110	130-170	180-250
Max Cycle Per Minute		Rpm	2500	2500	2200	2200
Operating Pressure		Bar	100~140	120~160	130~180	140~180
Excavator Class		Ton	2-7	8~15	15~22	25~47

APPLICATION



