

# RUBBER-TYRED VEHICLES

## SMT Scharf - Product Guide

# OUR COMMITMENT TO CUSTOMER SATISFACTION, QUALITY AND SERVICE

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SMT Scharf develops, manufactures and services transportation and infrastructure equipment for underground mining as well as for tunnel construction. Together with the SMT Scharf Canada - RDH (formerly RDH Mining Equipment) range of rubber-tyred diesel (D) and electric vehicles (EB) we are committed to providing innovative and cost-effective ways to increase equipment productivity while decreasing costs for our customers. We incorporate the latest technology to ensure the highest standards are met throughout the manufacturing process. Our business is founded on the principles of:

## **Customization**

Working with customers to customize our equipment to suit their individual needs.

## **Simplicity**

Our machines are designed with simplicity in mind. They are easy to operate, easy to maintain, and hard to break.

## **Premium Quality**

Ensuring quality in our processes, products and services drives customer satisfaction and builds pride of workmanship.

## **Cooperation, Communication and Integrity**

We build strong partnerships with every customer by employing business principles of clear communication, collaborative participation and integrity to ensure we exceed every client expectation.



# LOAD AND HAUL - MUCKMASTER Battery



## Technical Data

	MM3T-EB	MM6T-EB	MM8T-EB	MM10T-EB
Payload capacity (kg)	3000	6000	8000	10000
Bucket volume (m <sup>3</sup> )	1,15	2,6	3,6	4,5
Overall dimensions (L x H x W / mm)	7500 x 1600 x 2065	8300 x 1850 x 2200	8860 x 2040 x 2300	10050 x 2400 x 2400
Weight (kg)	12400	19100	23350	30800
Engine/Motor Power (kW)	95 kW @ 600 V	160 kW @ 600 V	190 kW @ 600 V	225 kW @ 600 V
Transmission	Dana MHR 24000	Dana MHR 32000	Dana MHR 32000	Dana MHR 36000
Axles	Dana 113	Dana 17D	Dana 37R	Dana 20D
ADT 3 pass pairing	HM12T-EB	HM20T-EB	HM30T-EB	HM30T-EB

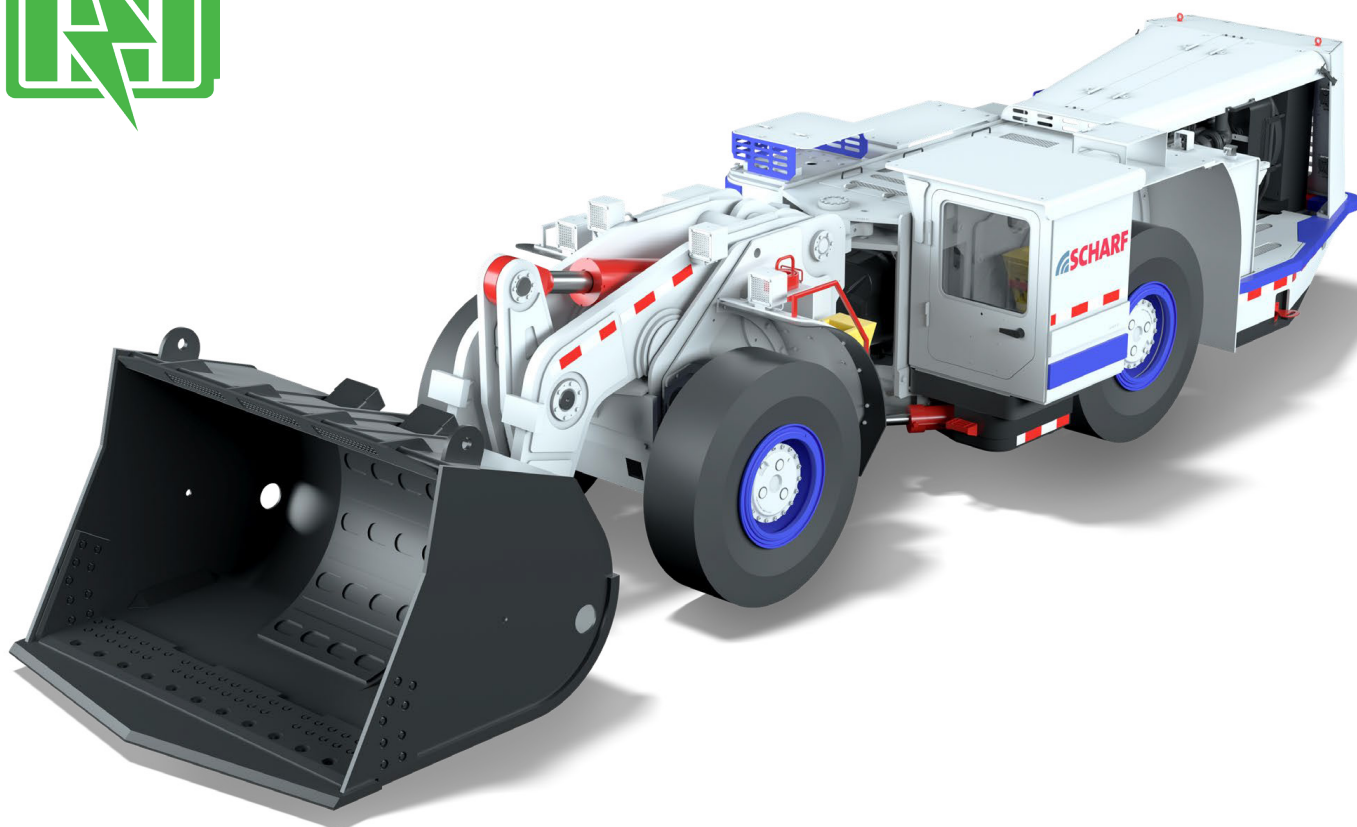
# LOAD AND HAUL - MUCKMASTER Diesel



## Technical Data

	MM3T-D	MM6T-D	MM8T-D	MM10T-D
Payload capacity (kg)	3000	6000	8000	10000
Bucket volume (m <sup>3</sup> )	1,15	2,6	3,6	4,5
Overall dimensions (L x H x W / mm)	6500 x 1530 x 2000	8000 x 1850 x 2250	8100 x 2030 x 2300	10000 x 2400 x 2400
Weight (kg)	10980	16830	20400	27600
Engine/Motor Power (kW)	95 kW @ 2200 rpm	130 kW @ 2200 rpm	160 kW @ 2200 rpm	225 kW @ 2200 rpm
Transmission	Dana RT 20000	Dana RT 32000	Dana RT 32000	Dana 6000
Axles	Dana 113	Dana 17D	Dana 37R	Dana 20D
ADT 3 pass pairing	HM12T-D	HM20T-D	HM30T-D	HM30T-D

# LOAD AND HAUL - MUCKMASTER Diesel+Battery



## Technical Data

	MM6T-D - LP	MM8T-D - LP	MM3T-EB - LP	MM6T-EB - LP
Payload capacity (kg)	6000	8000	3000	6000
Bucket volume (m <sup>3</sup> )	2,6	3,6	1,15	2,6
Overall dimensions (L x H x W / mm)	8400 x 2420 x 1550	8650 x 2550 x 1600	7380 x 2000 x 1530	9000 x 2360 x 1550
Weight (kg)	17100	20120	14100	18680
Engine/Motor Power (kW)	130 kW @ 2200 rpm	160 kW @ 2200 rpm	95 kW @ 600 V	160 kW @ 600 V
Transmission	Dana MHR 32000	Dana MHR 32000	Dana MHR 20000	Dana MHR 32000
Axles	Dana 17D	Dana 37R	Dana 113	Dana 17D
ADT 3 pass pairing	HM20T-D	HM30T-D	HM12T-EB	HM20T-EB

# LOAD AND HAUL - HAULMASTER Diesel



## Technical Data

	HM12T-D	HM15T-D	HM20T-D	HM30T-D	HM7T-D - LPC
Payload capacity (kg)	12000	15000	20000	30000	7000
Bucket volume (m <sup>3</sup> )	5,8	7,2	9,5	15	6,3
Overall dimensions (L x H x W / mm)	6650 x 1900 x 2000	7850 x 2200 x 2150	10000 x 2280 x 2400	10070 x 2670 x 2600	7790 x 2285 x 1713
Weight (kg)	12800	14300	22200	30700	10433
Engine/Motor Power (kW)	95 kW @ 2200 rpm	125 kW @ 2200 rpm	224 kW @ 2200 rpm	298 kW @ 2200 rpm	95 kW @ 2200 rpm
Transmission	Dana HR 20000	Dana HR 24000	Dana 6000	Dana 6000	Dana HR 20000
Axles	Dana 113	Dana 113	Dana 20D	Dana 20D	Dana 113

# LOAD AND HAUL - HAULMASTER Battery



## Technical Data

	HM12T-EB	HM15T-EB	HM20T-EB	HM30T-EB
Payload capacity (kg)	12000	15000	20000	30000
Bucket volume (m <sup>3</sup> )	5,8	7,2	9,5	15
Overall dimensions (L x H x W / mm)	7300 x 1950 x 2000	8300 x 2200 x 2150	9035 x 2460 x 2290	10200 x 3080 x 2600
Weight (kg)	14500	16900	24920	32650
Engine/Motor Power (kW)	95 kW @ 600 V	130 kW @ 600 V	190 kW @ 600 V	280 kW @ 600 V
Transmission	Dana MHR 20000	Dana MRH 24000	Dana MHR 36000	Dana 6000
Axles	Dana 113	Dana 113	Dana 20D	Dana 20D

# UTILITY Diesel



## Technical Data

	ChargeMaster	ChargeMaster	CreteMaster	HaulMaster Personnel Carrier
	CM150	CM600	CM600 - REMIX	HM600-30P
Function	Charging Unit	Charging Unit	Concrete Transport	Personnel Carrier
Functional Parameter			4,5m <sup>3</sup> Drum	30 Personnel
Overall dimensions (L x H x W / mm)	9124 x 1970 x 2482	10087 x 2430 x 2300	8060 x 2365 x 2751	8990 x 2365 x 2400
Weight (kg)	13000	17100	16200	14500
Engine/Motor Power (kW)	95 kW @ 2200 rpm	150 kW @ 2200 rpm	150 kW @ 2200 rpm	150 kW @ 2200 rpm
Transmission	Dana HR 20000	Dana HR 32 000	Dana HR 32 000	Dana HR 32 000
Axles	Dana 113	Dana 113	Dana 113	Dana 113



# UTILITY- SCISSORLIFT Diesel+Battery



## Technical Data

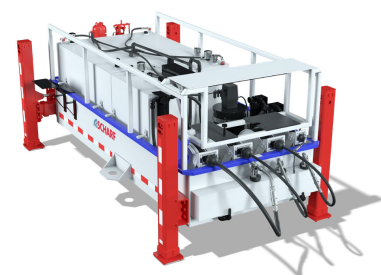
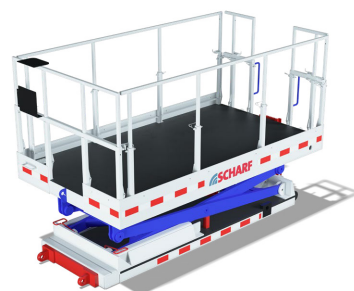
	SL500	SL600	SL600 - EB
Function	Elevated working platform	Elevated working platform	Elevated working platform
Functional Parameter	3 m x 1,7 m Platform, 3,3m lifted floor height	3.6 m x 2.2 m Platform, 4 m lifted floor height	3.6 m x 2.2 m Platform, 4 m lifted floor height
Lifting Capacity (kg)	1815	2722	2722
Overall dimensions (L x H x W / mm)	7027 x 1725 x 2549	8200 x 2286 x 2577	8042 x 2305 x 2574
Weight (kg)	13000	16350	18800
Engine/Motor Power (kW)	95 kW @ 2200 rpm	125 kW @ 2200 rpm	130 kW @ 600V
Transmission	Dana HR 20000	Dana HR 32 000	Dana HR 32 000
Axles	Dana 113	Dana 113	Dana 113

# UTILITY - CASSETTEMASTER Diesel



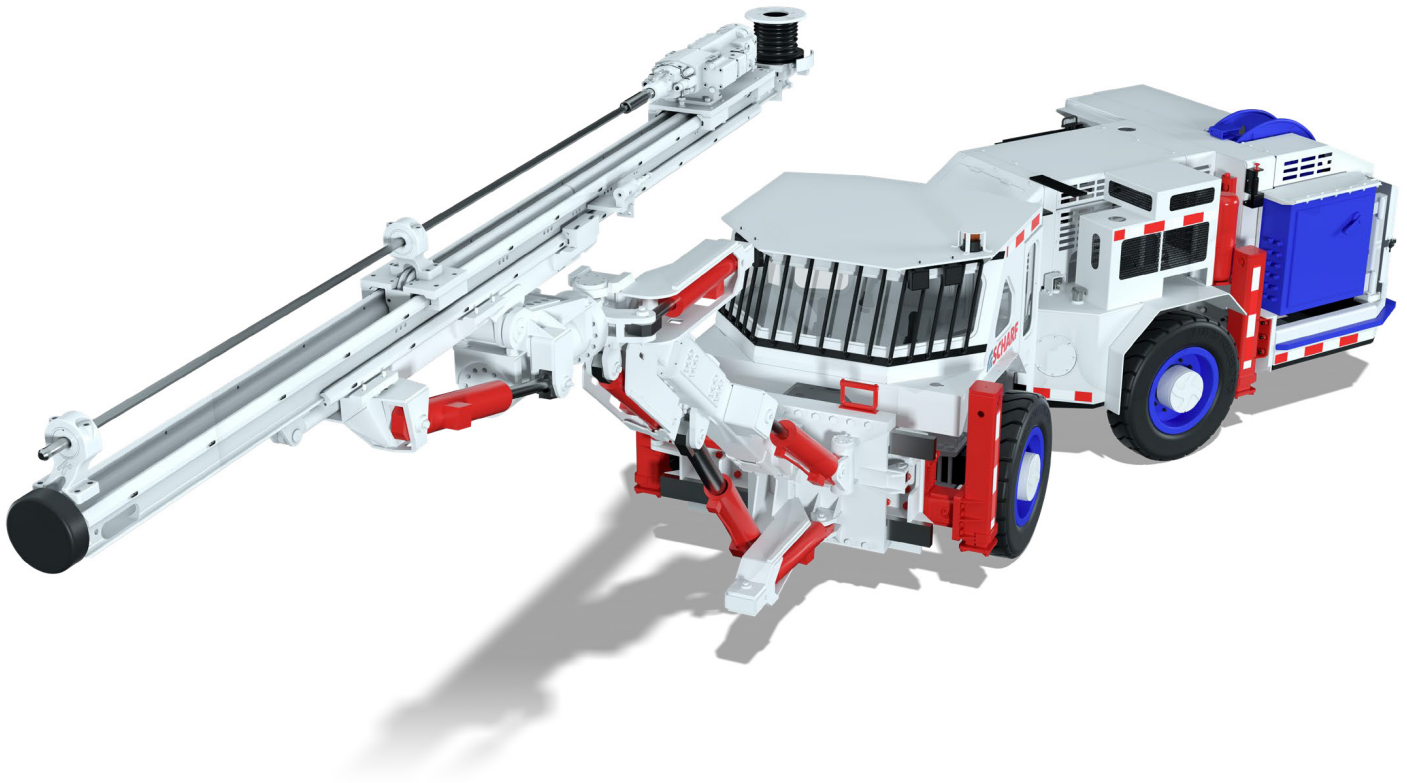
## Technical Data

Function	Cassette utility vehicle
Overall dimensions (L x H x W / mm)	8205 x 2363 x 2300
Weight (kg)	14580
Engine/Motor Power (kW)	125 kW @ 2200 rpm
Transmission	Dana HR 32000
Axles	Dana 113
Cassette Options Available	Scissorlift Cassette Fuel and Lubrication Cassette Boom Truck Cassette Personnel Carrier Cassette



Custom Cassette solutions available upon request

# DRILLING - DRILLMASTER Diesel



## Technical Data

	DM100	DM100-LH	DM150-LP	DM200
Drilling Type	Development	Production	Development	Development
Overall dimensions (L x H x W / mm)	11106 x 1473 x 2164	10244 x 1473 x 2164	11373 x 2290 x 1800	111883 x 2260 x 2425
Weight (kg)	13000	13000	13000	22350
Engine/Motor Power (kW)	95 kW @ 2200 rpm	95 kW @ 2200 rpm	95 kW @ 2200 rpm	125 kW @ 2200 rpm
Engine/Motor Power (kW)	Dana MHR 20000	Dana MHR 20000	Dana MHR 20000	Dana MHR 24000
Axles	Dana 113	Dana 113	Dana 113	Dana 113
Boom	Telescopic with parallelism	Telescopic with parallelism	Telescopic with parallelism	Telescopic with parallelism
Drifter	Montabert HC 50	Montabert HC 95LQ	Montabert HC 50	Montabert HC 50

# SMT SCHARF GROUP

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SMT Scharf develops, constructs and maintains transport technology for moving people and payloads in the mining and tunnel construction sectors.

Our main product group consists of rail-bound transport systems in both monorail and floor-mounted configurations. Also part of our portfolio are chairlift systems for both the coal mining sector as well as the non-coal sector. We also provide support to our customers in developing and installing rail and cable guidance systems. These are needed for supplying power to the transport equipment and machinery.

We offer our customers turnkey transport solutions from a single source. Our rail systems are used mainly in underground coal and ore mining, transporting payloads of up to 48 tons and climbing gradients up to 35 degrees. With our fast global service, we are never far from our customers and can provide support from anywhere.

As a specialized machine construction company, we benefit from our 75 years of experience. We have decisive competitive advantages on the market through our large-scale and feasible transport services, low operating and maintenance costs as well as the high stability and quality of our systems.

The SMT Scharf Group has subsidiaries in six countries as well as a network of global distributors.



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