



ARCTIC APPLICATIONS

DRESSTA CONSTRUCTION EQUIPMENT

 **DRESSTA**[®]

When the going gets tough

Wherever you operate, your productivity relies on powerful equipment that works hard, shift after shift, with minimum downtime and maximum efficiency.

This is especially true in arctic conditions, where you face perhaps the harshest environment of all. If this is the work you do, you need an equipment supplier that knows your industry and the environment you are operating in – a customer-focused partner with the equipment, technology, service and solutions to support your operations. Dressta is that partner.

WHERE THERE ARE TOUGH CONDITIONS, THERE'S DRESSTA.

Dressta construction equipment has been tried and proven in arctic conditions. These machines were the first to be chosen for the oil and gas operations in Western Siberia as well as for gold and diamond mining within the Polar Circle and those machines are still in service today.

Dressta's pipelayers and crawler dozers have been assembled and commissioned in temperatures of -30°C and can operate in temperatures close to -40°C. Servicing and repairs are done under the same conditions, on-site.

The machines are moving on seasonal access roads made of ice, not concrete or asphalt. In summer, high temperatures and swampy ground prevent any operations.

Dressta partners with its customers to deliver tailored equipment specially built to suit the application.

Dressta's consultants and expert engineers have developed a range of Special Feature Requests (SFRs) specifically suited to arctic work.

Dressta machines are proven performers in arctic conditions.





Extreme conditions only on the outside

Dressta machines are designed to excel in temperatures as low as -40°C and include advanced heating systems for the engine, fuel, oils and cab.

Dressta arctic models are designed to keep both machine and operator warm and productive, with features you know will perform in arctic conditions:

- Engine preheating controlled electronically from the cab.
- A special Racor fuel heater is installed between the fuel tank and fuel filter to prevent wax solidification and ice formation in sub-zero temperatures.
- A Fleetguard fuel filter heater is available as an additional feature.
- Specialized cold start batteries and arctic fuels and lubricants.
- Specially designed 'arctic cab' with heating system installed below the cab platform to ensure a comfortable operating experience.

- A system of 220V heaters for hydraulic and engine oil, as well as the engine coolant and battery box. A thermostat regulates temperatures inside the battery box.
- Additional light kits fixed onto the blade lift cylinders for improved visibility during difficult blizzard conditions or night shift operations.

When you enquire about Dressta machines for arctic construction, Dressta will advise on machine modifications for flawless cold weather performance. Special Feature Requests (SFR) can also be implemented for specific requirements.





For flawless cold weather performance, Dressta can build a machine to meet specific requirements.



The right equipment for the job

Within the sub polar circle, the difference between summer and winter temperatures may be as much as 80–90°C.

The arctic region offers the most intense operating conditions not only for engines, but also for fuel, cooling and lubrication systems of the machinery. Dressta machines are designed for maximum productivity and reliability, even in the most extreme conditions.

PREVENTION IS BETTER THAN CURE

Dressta's engineers have developed componentry and features to modify our dozers specifically for successful operation in the coldest environments.

Outer thermal protection prevents cold air from entering the engine compartment, special lubricants maximize performance and efficiency in extreme temperatures and purpose-designed heating systems prepare the machine and its components for operation.



OPERATOR COMFORT

For the operator, Dressta's standard comfortable, sound-suppressed cab has been upgraded with:

- Double glazed windows for protection against severe cold weather.
- Steering levers rather than a joystick for precision operator control even when wearing heavy gloves.
- Airtronic air heater installed below the cab platform.

It's all about keeping warm, for operator and machine, and Dressta has engineered and developed heating packages that allow for safety, comfort, easier operation and maintenance.



Dressta's arctic machines are engineered specifically for successful operation in the coldest environments.

Dressta arctic equipment solutions

Built tough for all types of terrain, Dressta machines can be customized to your arctic working environment.

With extensive customizing experience, Dressta is in a unique position to understand and respond to your needs.

Dressta's Special Feature Requests (SFRs) options have been developed around specific application requirements and are based on the technical expertise of its engineers.

While Dressta machines are built tough for all types of terrain, it's the tailored SFRs that allow them to operate in extreme arctic climates. What works in one environment may not necessarily work somewhere else, so Dressta works with you to modify the equipment to suit your conditions. If a unique component or device is needed, Dressta's SFR engineers are quick to accommodate your needs.

Your SFR parts are easily managed and maintained as Dressta utilizes several regional parts and distribution centers around the world, which allow parts and importantly, technical support services, to be close to you.



The Siberian Experience

Dressta has long been synonymous with arctic conditions. Its pipelayers and crawler dozers in Western Siberia were assembled and commissioned in temperatures of -30°C .

The diamond mines in Siberia are some of the most extreme places on earth.

Dressta has supplied mine operators with carefully modified versions of the TD-15M Extra medium size crawler dozers to tow heavy sledges across long distances carrying drillers, power generators, fuel tanks and service platforms, and as portable cabins for geologists and workers. These machines continue to perform in exceptionally difficult conditions – from -40°C in winter to $+60^{\circ}\text{C}$ in summer.

Every machine produced benefits from Dressta's unique ability to develop on-board features. If a unique component or device is requested, Dressta SFR engineers are available to work with you to get you what you need.

The combination of engineering expertise, customer collaboration and application experience results in proven, high quality, robust equipment that keeps going day after day, as well as outstanding before and after-sales service and customer support.



Performance at an icy

-30°C

Support when, where and how you need it

Dressta helps you get the most out of your equipment by ensuring it is designed to meet your needs and is supported all the way.

Dressta's global parts distribution centers enable rapid parts supply and feature large inventories and advanced logistics systems to make ordering parts simple.

Your Dressta machines come with excellent standard warranties and a range of extended warranty options, as well as ongoing aftersales technical support provided by trained service representatives and mechanics around the world.

With products supplied worldwide through a well-established network of independent distributors, Dressta is as passionate about the industry as you are.



GENERAL SPECIFICATIONS

MODEL	TD-14M Extra	TD-14R	TD-15M Extra	TD-15R Extra
Engine Manufacturer/ Model	Cummins / QSB 6.7	Cummins / QSB 6.7	Cummins / QSC 8.3	Cummins / QSB 6.7
Emission Standard	EU Stage IIIA/EPA Tier 3	EPA Tier 4i/EU Stage IIIB	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage IV
Engine Output - Net	120 kW (160 Hp)	119 kW (160 Hp)	142 kW (190.4 Hp)	150 kW (201 Hp)
Blade - Capacity	3.2 m ³ (4.2 yd ³)	3.2 m ³ (4.2 yd ³)	7.04 m ³ (9.2 yd ³)	7.04 m ³ (9.2 yd ³)
Speed - Forward Max.	10.8 km/h (6.7 mph)	10.5 km/h (6.5 mph)	10.2 km/h (6.3 mph)	10.5 km/h (6.5 mph)
Speed - Reverse Max.	12.9 km/h (8.0 mph)	12.6 km/h (7.8 mph)	11.9 km/h (7.4 mph)	12.3 km/h (7.6 mph)
Drawbar Pull - Max.	350 kN (78,683 lbf)	355 kN (79,807 lbf)	535.3 kN (118,688 lbf)	580 kN (118,688 lbf)
Operating Weight	16,100 kg (35,494 lb)	16,100 kg (35,494 lb)	20,660 kg (45,541 lb)	20,760 kg (45,768 lb)

MODEL	TD-20M Extra	TD-20R Extra	TD-25M Extra	TD-25R Extra
Engine Manufacturer/ Model	Cummins / QSC 8.3	Cummins / QSL 9.0	Cummins / QSX 15	Cummins / QSX 15
Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage IV	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage IV
Engine Output - Net	179 kW (240 Hp)	195 kW (261 Hp)	246 kW (330 Hp)	246 kW (330 Hp)
Blade - Capacity	7.04 m ³ (9.2 yd ³)	7.04 m ³ (9.2 yd ³)	9.6 m ³ (12.5 yd ³)	9.6 m ³ (12.5 yd ³)
Speed - Forward Max.	10.6 km/h (6.6 mph)	10.5 km/h (6.5 mph)	10.3 km/h (6.4 mph)	10.3 km/h (6.4 mph)
Speed - Reverse Max.	12.6 km/h (7.8 mph)	12.2 km/h (7.6 mph)	12.3 km/h (7.6 mph)	12.2 km/h (7.6 mph)
Drawbar Pull - Max.	620 kN (139,382 lbf)	640 kN (173,878 lbf)	791 kN (177,150 lbf)	794 kN (178,498 lbf)
Operating Weight	24,200 kg (53,352 lb)	24,250 kg (53,462 lb)	41,500 kg (91,491 lb)	41,250 kg (90,940 lb)

MODEL	TD-40E Extra	TD-40R Extra	SB-30M Extra	SB-60M Extra	SB-85M Extra
Engine Manufacturer/ Model	Cummins / QSK 19	Perkins / 2806F	Cummins / QSB 6.7	Cummins / QSM 11	Cummins / QSX 15
Emission Standard	EPA Tier 3/EU Stage IIIA	EPA Tier 4f/EU Stage IV	EU Stage IIIA / EPA US Tier 3	EU Stage IIIA / EPA US Tier 3	EU Stage IIIA / EPA US Tier 3
Engine Output - Net	384 kW (515 Hp)	397 kW (532 Hp)	140 [188]	231 [310]	276 [370]
Blade - Capacity	18.6 m ³ (24.3 yd ³)	18.6 m ³ (24.3 yd ³)	-	-	-
Speed - Forward Max.	12 km/h (7.5 mph)	12 km/h (7.5 mph)	-	-	-
Speed - Reverse Max.	14.9 km/h (9.3 mph)	14.9 km/h (9.3 mph)	-	-	-
Drawbar Pull - Max.	1157 kN (260,104 lbf)	1225 kN (275,391 lbf)	-	-	-
Operating Weight	67,700 kg (149,251 lb)	67,850 kg (149,584 lb)	27,580	51,280	64,480

Specifications may change from time to time and this brochure may not reflect the latest specifications. Photographs in this brochure may not reflect market configuration. Please consult your dealer to confirm specifications and configurations.



Dressta encourages safe worksites.
Please consult operator's manual before use of any Dressta equipment.



info@dressta.com
www.dressta.com

DR-AB-AR-T3/T4-WW-A4-20022019-ENG

