

- + ELECTRIC MIXER MEX
- + TRACTOR MIXER MTXH/ MTX
- + SUBMERSIBLE MOTOR MIXER MSXH



BAUER

FOR A GREEN WORLD



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WASTE WATER TREATMENT

BAUER MIXER

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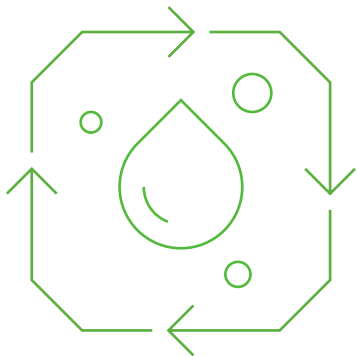
SLURRY MIXER

MTXH / MTX / MEX

POWERFUL – COMPACT –
USER FRIENDLY

Properly stirred slurry guarantees uniform distribution of nutrients, that is to say optimum growth and increased yields. Our slurry mixers of the series MTX / MEX are perfectly suitable for the homogenization in the following areas:

- + Agriculture
- + Biogas plants
- + Sewage plants
- + Industrial areas



WE HELP TO GROW.

With our extensive range of slurry products we offer you the right tools. Since 1930 we have not only been concerned about the perfect equipment for the transportation of manure but also have been caring about the right treatment and spreading of manure. Furthermore, we are specialized in developing innovative solutions for the optimal and efficient preparation of manure.



BAUER SLURRY MIXER
IN DIFFERENT EXECUTIONS

BAUER MIXER



ELECTRIC MIXER MEX 305 / MEX 450G



Mixer wagon with solid rubber tyres and lifting device
Telescopic support legs and two support spindles give the mixer secure hold when mixing. When the support legs and wheel axles are inserted the mixer even fits through small doors and openings (860 mm). With the help of the safety winch, the adjusting spindle and the guidance bracket with 2 pairs of rollers, an easy positioning of the mixing rod for every use is guaranteed.

TECHNICAL DATA MTX

Model	MTX 305	MEX 450G	
Mixer shaft lenght m	3,5 / 4,5	3,5 / 4,5	3,5 / 4,5
Pit volume m³	170	230	280
Mixer blade ø mm	305	450	450
No. of mixer blades	1450	610	610
Drive power kW/PS	7,5 / 10	7,5 / 10	9,2 / 12,5

TRACTOR MIXER FOR PITS MECHANICAL MTX

Mixer shaft with sturdy shaft, with multiple bearing running in oil bath, mixer blade with guard bow, 1 3/8" PTO connection with guard, universal lifting frame for connection to tractor hydraulics, with swing-out device for inserting the mixer into small pit openings, rope winch as an option. Mixer shaft, mixer blade and lifting frame hot dip galvani-zed. Minimum pit opening 80 x 80 cm.



TECHNICAL DATA MTX

Model	MTX3 600
Mixer shaft lenght in m	4 / 5
Pit volume m³	1.000 / 1.200
Mixer blade ø mm	600
No. of mixer blades	3
Type of blade	pushing / pulling
Drive power kW/PS	35 / 48

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TRACTOR MIXER FOR PITS HYDRAULICAL TURBOMIX MTXH



BEST MIXING RESULTS

The efficient blade design of the Bauer slurry mixer provides effective mixing, circulating the entire pit, providing a uniform consistency which is readily pumped for a variety of dispersal methods. The MTXH has the capability of mixing up to 1,700 m³ of slurry in a short period, providing a valuable source of natural fertiliser. The cutting edge of the mixing blades easily deals with thick crusts and heavy sediment

Having a closed protection ring ensures the cutting edge of the blades protected when working in narrow or closed pits. Additionally, the cutting capability of the mixer is enhanced by the ring in slurries with high long fibre content. The blade is available in pushing option for floating wastes, and in pulling for sediments.

ADVANTAGES OF TURBOMIX MTXH

- + Robust design with PTO drive
- + Additional swivelling device for closed pits (optional)
- + Three point linkage and hydraulic
- + Extremely strong and stable lifting frame
- + Simple shaft locking mechanism

TECHNICAL DATA MTXH

Model	MTXH 600
Mixer shaft length m	4 / 5 / 6
Pit volume m ³	1.300 / 1.700
Mixer blade ø mm	600
No. of mixer blades	3
Type of blade	pushing / pulling
Drive power with 540 min ⁻¹	35 kW / 48 PS
Drive power with 750 min ⁻¹	85 kW / 115 PS
Drive power with 1.000 min ⁻¹	187 kW / 250 PS



TRACTOR MIXER MTXH



TURBOMIX MIXER BLADES

- + Mixer with 3 cutting blades for higher
- + Greater efficiencies in long fibre
- + Special protection ring design for optimal flows

TURBOMIX MIXER SHAFT

- + Super strong design for extreme mixing conditions
- + Multiple bearing shaft
- + Quiet operation under full loading
- + Robust agitation in heavy loading



TURBOMIX LIFTING FRAME

- + Robust hydraulic lift and lowering device
- + Solid three point linkage mounting points
- + Mounting category II & III
- + Reinforced profiles giving greater stability
- + Low dead weight
- + Optimised kinematic swivel range



TRACTOR MIXER FOR PITS HYDRAULICAL

TURBOMIX MTXH-L



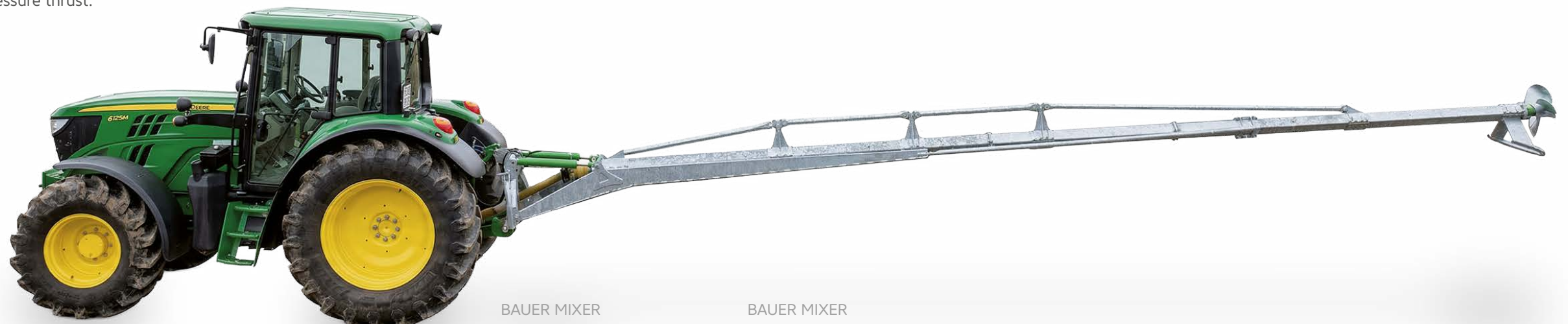
LOW POWER CONSUMPTION AT A LENGTH OF UP TO 10 METRES

With its strong mixing blades, the new MTXH-L sets in motion the content of slurry lagoons with a volume of up to 6.000 m³ and homogenizes it on an instant – at low power consumption.

Whether the slurry is liquid, contains solid matter, clots, deposits or has got a thick surface scum: the new cutting edges of the mixing blades ensure an effective chopping even of long-fibred particles at low power consumption. With a relatively low power requirement, the mixer achieves maximal mixing power and pressure thrust.

TURBOMIX MIXER BLADES

- + Mixer with 3 cutting blades for higher performance
- + Greater efficiencies in long fibreExtremely strong and stable lifting frame
- + Optimized hydraulic design for high efficiency
- + Long service life thanks to wear-optimized cutting edges



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SLURRY MIXER MTXH-L



ADVANTAGES OF TURBOMIX MTXH

- + Low power consumption at high mixing power and pressure thrust
- + Ease of use especially in one-man-operation
- + Sturdy, extremely robust hoisting frame
- + High load-bearing capacity despite of low dead weight
- + Best appropriate for slurry with solid matter
- + Available in lengths of 7 to 10 metres
- + Special hydraulic design for optimal liquid current
- + Sturdy trussing

TECHNICAL DATA MTXH-L

Model	MTXH-L
Mixer shaft length m	7 / 8 / 9 / 10
Pit volume m ³	up to 6.000
Mixer blade ø mm	620
No. of mixer blades	3
Type of blade	pulling
Drive power with 540 min ⁻¹	25 kW / 35 PS
Drive power with 750 min ⁻¹	74 kW / 100 PS
Drive power with 1.000 min ⁻¹	187 kW / 250 PS

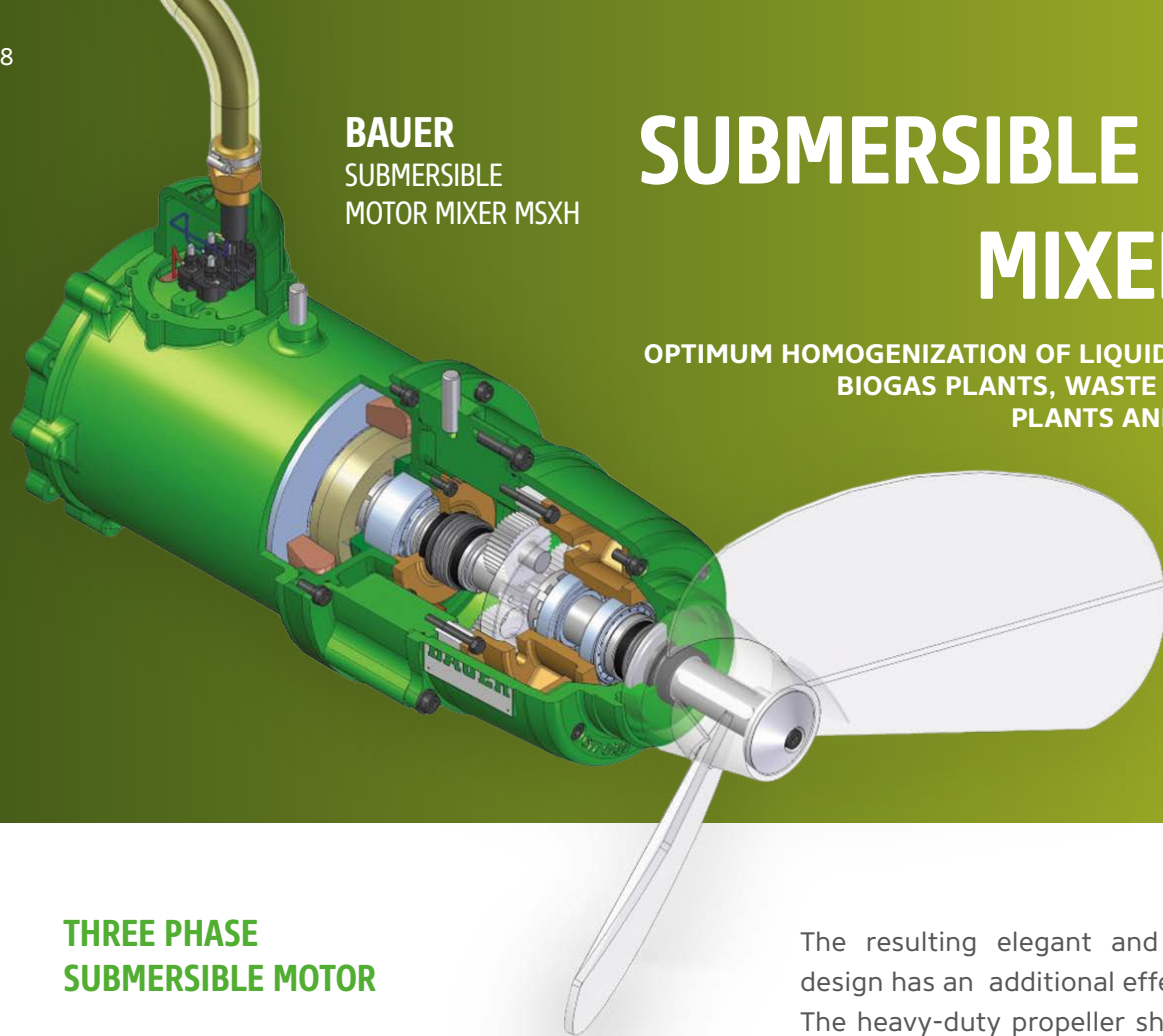
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SUBMERSIBLE
MOTOR MIXER MSXH

SUBMERSIBLE MOTOR MIXER MSXH

OPTIMUM HOMOGENIZATION OF LIQUIDS IN AGRICULTURE, BIOGAS PLANTS, WASTE WATER TREATMENT PLANTS AND IN THE INDUSTRY.



THREE PHASE SUBMERSIBLE MOTOR

For optimal protection a thermic winding protection is installed in the motor. The thermic winding protection (PTC-resistor) has a phase protection device and is over voltage and low voltage proof as well as capacity overload proof. Medium temperature up to 65 °C.

STRONG PLANETARY REDUCTION GEAR UNIT THAT GUARANTEES HIGH EFFICIENCY

High stability due to various hardened and polished inter- locking gears. These gears reduce the friction, which results in less power consumption and high efficiency.

ELEGANT DESIGN – HIGH QUALITY MATERIAL

A special design concept, achieved by aligning the motor and propeller on the same axle level, guarantees high efficiency.

The resulting elegant and streamlined motor design has an additional effect on the efficiency. The heavy-duty propeller shaft is equipped with shoulder roller bearings. A cleverly devised oil guiding system guarantees that the mixers are well lubricated in every position. An oil leak detection probe is included in the models MSXH.

SPECIAL SHAFT SEAL

Two high quality mechanical seals guarantee trouble-free operation and a long life span.

STURDY CABLE

With strain relief device that guarantees operating safety.

TWO-WING THRUST PROPELLER

Made of stainless steel (optional hardox), self cleaning; high efficiency due to large diameter and special thrust edge.

MSXH SUBMERSIBLE MIXERS FOR PITS AND SLALOM SYSTEMS

LIFTING-AND LOWERING DEVICE FOR OPEN AND CLOSED TANKS

- + Easy installation, handling and maintenance
- + Stable square guiding pipe 100/100 with swivelling bearing
- + Spur wheel rope, 900 kg traction force, stainless cable, self locking
- + **All parts that get in touch with the medium are in stainless steel**

APPLICATION IN DEEP SLURRY PITS

Optional: Height adjustable mixing channel with back up canvas plane for optimum mixing results.

SLALOM SYSTEM

- + Homogenisation of the slurry in an endless channel via timing device
- + Well mixed slurry all the time
- + Distribution possible every time

GUIDING BRACKET WITH AN ADJUSTABLE ANGLE OF INCLINATION

Guarantees an even better mixing result and a faster dissolving of floating material and bottom sediments.

SUBMERSIBLE MOTOR MIXER MSXH IN BIOGAS PLANTS

LIFTING AND LOWERING DEVICE FOR FERMENTER WITH GAS TIGHT CEILING LEAD-THROUGH

- + Gas tight interface for all external parts
- + Easy to handle / adjustment of the mixer
- + Swivelling and height adjustable from the outside
- + Optimum mixing of the fermenting substrates

GAS TIGHT INTERFACE IN TANK WALL

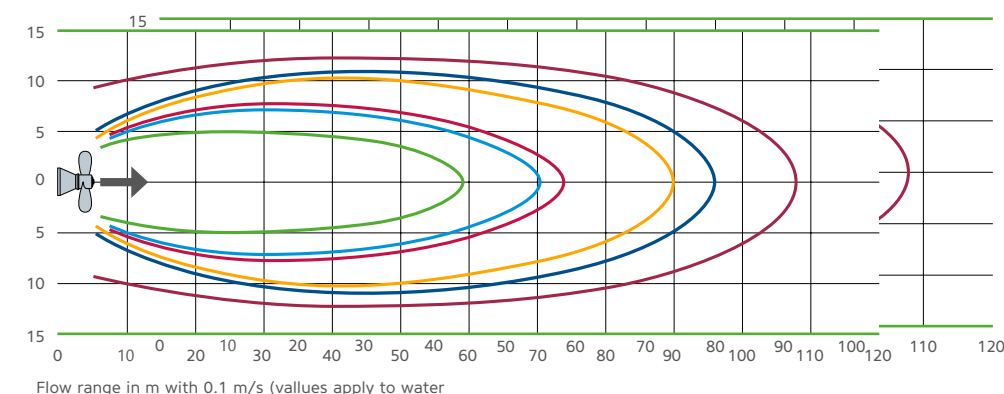
With control elements on the outside.

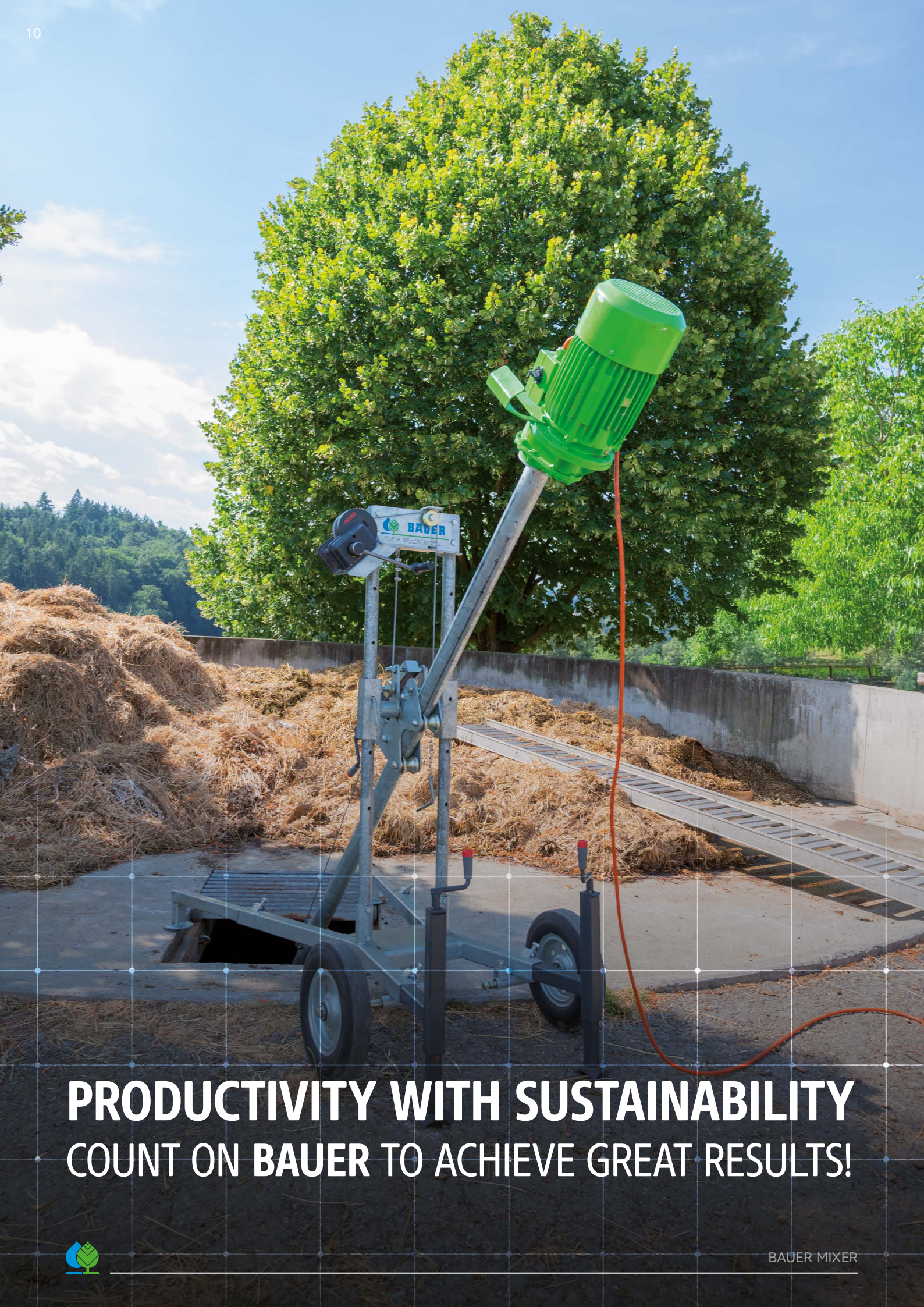
TECHNICAL DATA

MSXH*	MSXH 5.5	MSXH 7.5	MSXH 8.6	MSXH 11	MSXH 11 ECO	MSXH 12.6	MSXH 15
Output kW	5,5	7,5	8,6	11	11	12,6	15
Voltage V	400	400	480	400	400	480	400
Frequency Hz	50	50	60	50	50	60	50
Mixing power* m³/h	2.800	3.600	3.900	5.200	5.700	5.700	6.800
Pit volume* m³	900	1.400	1.500	2.200	2.400	2.400	2.800
Propeller mm	550	600	550	665	845	600	750
Propeller min ⁻¹	315	315	378	315	208	378	315
Weight kg	175	195	195	205	205	205	225

*1 Depending on the medium **1 MSXH with temperature class H (maximum temperature 65° Celsius) and leak detection probe

FLOW RANGE





**PRODUCTIVITY WITH SUSTAINABILITY
COUNT ON BAUER TO ACHIEVE GREAT RESULTS!**



PRODUCTS FROM OUR SLURRY PROGRAM



MTXH
Tractor mixer



MSXH
Submersible motor mixer



SEPARATOR
Press screw separator for
solid-liquid separation



SEPARATOR PLUG & PLAY
System for portable
slurry separation



MAGNUM LEE/LEC
Long shaft pump



MAGNUM SM
Thick matter pump gear
unit design



MAGNUM CSPH
Submersible motor pump



HELIX DRIVE
Eccentric screw pump



MAGNUM SX
Thick matter pump gear
and pedestal pump



**STEEL- AND
POLYESTER TANKER**
Different tanker types for
every requirement



HK PIPES & COUPLINGS
The seal with the watertight
reputation



**SPREADING
EQUIPMENT**
BAUER spreaders –
thousands in use



WE GO BEYOND.



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