

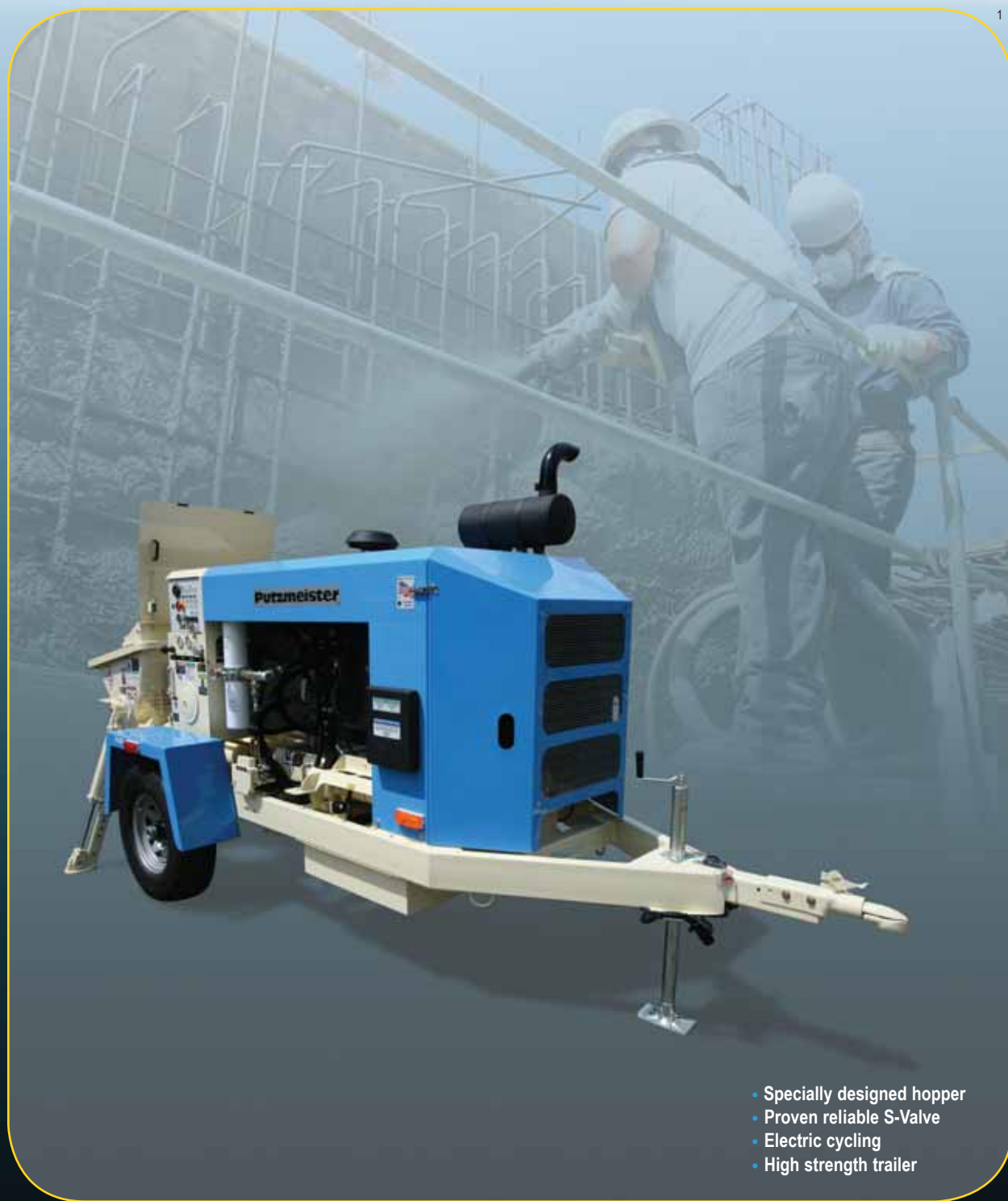
Thom-Katt® & BSA 100 Series

Trailer-Mounted Concrete/Shotcrete Pumps

Putzmeister

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Thom-Katt® & BSA 100 Series



- Specially designed hopper
- Proven reliable S-Valve
- Electric cycling
- High strength trailer

Putzmeister Thom-Katts®

For powerful performance and rugged reliability, we took our big boom pump expertise and applied it to our respected Thom-Katt® trailer pumps. Engineered in America for over 25 years, these Katts have been continually enhanced as part of our ongoing commitment to product excellence. Featuring rugged construction and an angled hopper, they handle the rigors of any job site and are easy to fill and clean. Rely on them to pump a variety of materials, handle the harshest mixes and tackle several difficult applications. Easy to operate and inexpensive to maintain, these units provide faster setup, smoother pumping, easier cleanup and long term dependability... features you've come to expect from a leader in concrete pump technology. Find out more by contacting Putzmeister America today.

The Thom-Katt® & BSA 100 Series Family



**Thom-Katt®
Series**



BSA 100 Series



VS Series • Vehicle Mounted
Refer to separate specification sheet.



TKS Series • Skid-Mounted
Available in diesel or electric skid-mounted versions. Contact factory.



**TKB Series
Hydraulic Ball Valve Pumps**
Refer to separate specification sheet.

Specifications

Standard Trailer-Mounted Models

High Pressure (HP) Models

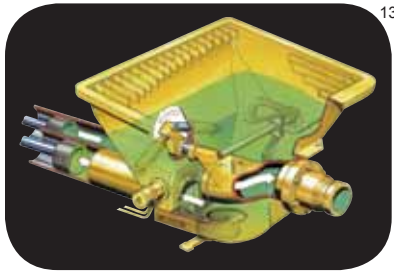
BSA 100 Series

Performance	TK 30	TK 40	TK 50	TK 70	TK 15HP	TK 60HP	BSA 100-D	BSA 120-D
Maximum volume output†	31 yd ³ /hr (24m ³ /hr)	40 yd ³ /hr (30m ³ /hr)	54 yd ³ /hr (41m ³ /hr)	74 yd ³ /hr (57m ³ /hr)	15 yd ³ /hr (11m ³ /hr)	60 yd ³ /hr (46m ³ /hr)	104 yd ³ /hr (80m ³ /hr)	114 yd ³ /hr (87m ³ /hr)
Maximum concrete pressure	1150 psi (79 bar)	1150 psi (79 bar)	1150 psi (79 bar)	1130 psi (78 bar)	1500 psi (103 bar)	1450 psi (100 bar)	910 psi (63 bar)	1030 psi (71 bar)
Maximum aggregate size	0.75" (19mm)	1.5" (38mm)	1.5" (38mm)	1.5" (38mm)	0.75" (19mm)	1.5" (38mm)	2.5" (63mm)	2.5" (63mm)
Technical Information								
Material cylinders	6" x 28" (150x700mm)	6" x 39" (150x1000mm)	6" x 39" (150x1000mm)	7" x 39" (180x1000mm)	4" x 39" (102x1000mm)	6" x 39" (150x1000mm)	8" x 55" (200x1400mm)	8" x 55" (200x1400mm)
Maximum strokes per minute	36	32	43	45	24	48	32	37
Variable volume control	0 to full	0 to full	0 to full	0 to full	0 to full	0 to full	0 to full	0 to full
S-Valve (cast)	5" x 4" (125x100mm)	6" x 5" (150x125mm)	6" x 5" (150x125mm)	7" x 5" (180x125mm)	Fab 4" x 4" (100x100mm)	6" x 5" (150x125mm)	8" x 6" (200x150mm)	8" x 6" (200x150mm)
Number of shift cylinders	2	2	2	2	1	2	2	2
Hydraulic tank capacity	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)	35 US gal (132L)
Hopper height	45" (1143mm)	49" (1245mm)	49" (1245mm)	49" (1245mm)	47" (1194mm)	49" (1245mm)	52" (1321mm)	52" (1321mm)
Hopper capacity	6.4 cu ft (180L)	9.5 cu ft (270L)	9.5 cu ft (270L)	9.5 cu ft (270L)	10 cu ft (285L)*	9.5 cu ft (270L)*	14 cu ft (400L)	14 cu ft (400L)
Outlet diameter	4" HD (102mm)	5" HD (125mm)	5" HD (125mm)	5" HD (125mm)	4" HD (102mm)	5" HD (125mm)	6" HD (150mm)**	6" HD (150mm)**
Engine								
Manufacturer's model <small>(all water-cooled except TK 30, TK 40)</small>	Deutz D2011L03i	Deutz TD2011L04i	Deutz TCD2012L04m	Deutz TCD2012L04m	Deutz TD2011L04i	Deutz TCD2012L042V	Deutz TCD2012L062V	Deutz TCD2012L062V
Horsepower	40 hp (30kW)	67 hp (50kW)	96 hp (72kW)	96 hp (72kW)	67 hp (50kW)	131 hp (98kW)	197 hp (147kW)	197 hp (147kW)
Fuel tank capacity	26 US gal (98L)	26 US gal (98L)	26 US gal (98L)	26 US gal (98L)	26 US gal (98L)	26 US gal (98L)	35 US gal (132L)	35 US gal (132L)
Trailer								
Axle	Single	Single	Single	Single	Single	Single	Tandem	Tandem
Axle capacity	6000 lbs (2722kg)	7000 lbs (3175kg)	7000 lbs (3175kg)	7000 lbs (3175kg)	7000 lbs (3175kg)	7000 lbs (3175kg)	14000 lbs (6350kg)	14000 lbs (6350kg)
Tires/Load range	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G	LT 235/85R16G
Brakes	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Outriggers	Manual	Manual	Manual	Manual	Manual	Manual	Hydraulic – Front / Manual – Rear	Hydraulic – Front / Manual – Rear
Dimensions								
Length	175" (4.45m)	191" (4.85m)	191" (4.85m)	191" (4.85m)	183" (4.65m)	191" (4.85m)	228" (5.79m)	228" (5.79m)
Width	70" (1.78m)	70" (1.78m)	70" (1.78m)	70" (1.78m)	70" (1.78m)	70" (1.78m)	72" (1.83m)	72" (1.83m)
Height	68" (1.73m)	71" (1.80m)	71" (1.80m)	71" (1.80m)	69" (1.75m)	71" (1.80m)	94" (2.39m)	94" (2.39m)
Weight (approx.)	4900 lbs (2220kg)	5600 lbs (2540kg)	6000 lbs (2720kg)	6400 lbs (2900kg)	5100 lbs (2315kg)	6400 lbs (2900kg)	9000 lbs (4083kg)	9000 lbs (4083kg)

† Optional electric versions have decreased output. * Specially reinforced hopper for high pressure applications. ** 6" to 5" (150mm to 125mm) HD reducing elbow available. Maximum theoretical values listed. Maximum attainable distances depend on concrete mix design, pipeline diameter and specific job site conditions. Note: Max output and pressure can't be achieved simultaneously. Specifications subject to change without prior notice. Weights vary with options selected. Photos for illustrative purposes only. Refer to Putzmeister operational manual for safe and proper equipment operation.



STRONGER



Count on our **proven reliable S-Valve** for strong, long-lasting performance. A gradual reduction from the hard-chromed material cylinders to the outlet assures an even flow and longer life. Plus, few wear parts, only one seal surface and a hard-faced S-Valve and wear ring mean reduced operating and replacement costs.

TOUGHER



Gulp down the toughest mixes in our **specially designed hopper**. Its dynamic shape eliminates difficult clean out areas so a steady continuous flow can better funnel down the angled hopper sides. It also helps make clean up a breeze. (N/A - TK 15HP, TK 30). Note: Special larger 14 cu. ft. (400L) super hopper found on the BSA 100 Series.

WIDER



Demand our wider 70" (1.78m) **high strength trailer**, which provides maximum towing stability and allows for a larger fuel tank. This large capacity tank (up to 35 gallons/132L) adds up to longer continuous operation.

SMOOTHER



Achieve the smoothest operation with **twin-shifting cylinders**. This offers more precise shifting of the splined shaft S-Valve, reduced shock in the system and less line surge. In addition, its ball and socket design has fewer parts for easy maintenance and longer durability. Standard on all models except TK 15HP.

SAFER



Depend on **electric cycling** for reversibility at any point in the stroke and to relieve pressure from the concrete for safer pipe line clean out should blockages occur. Proximity switches inside the cylinders eliminate the possibility of "short stroking" and provide improved protection in a more suitable environment (N/A - TK 15HP and TK 30).

EASIER



Discover the convenience of our simple and highly reliable **hydraulic control system**. Mounted on a compact block atop the hydraulic tank, it offers easy access and avoids draining the oil tank when servicing the pump.

STANDARD FEATURES

- Free Flow Hydraulic System (BSA 120-D only)
- Twin-shifting ball and socket cylinders (except TK 15HP)
- High performance diesel engine
- Engine temperature gauge integrated into control panel
- Protective engine cover
- Electric engine start/stop
- Variable displacement axial piston pump
- Long lasting fabric-reinforced piston cups (except TK 15HP)
- Variable volume (0 to full) – pump output
- Double hydraulic circuit w/accumulator
- Proximity sensors inside cylinders with Sure Stroke (except TK 15HP and TK 30)
- Hydraulic sight gauge
- Hydraulic oil cooler
- Proven reliable S-Valve with splined shaft; square shaft on TK 15HP
- Centralized hopper-mounted grease ports
- Hard-chromed material cylinders
- Rugged hopper
- Hydraulic remixer/agitator (std - TK 30, 70 and BSA 100 Series only)
- Hopper grate
- Hopper cut-out device (N/A - TK 15HP and BSA 100 Series)
- Accessible heavy-duty hinged clean out hopper door
- Convenient two-piece hopper on TK 30
- Fully-enclosed weatherproof control panel (NEMA rated)
- Emergency stop button with light
- Convenient stroke change switch
- Manual stroke change kit
- 3-function remote control - start, stop, reverse and E-stop w/100 ft (30m) cable
- Hour meter/tachometer
- Highway-rated trailer with torsion axle, electric brakes, durable fenders and running lights
- Tandem torsion axles (std on BSA 100 Series)
- 2" ball hitch (except BSA 100 Series)
- Heavy-duty manual rear outriggers
- Hydraulic front outriggers (std on BSA 100 Series only)
- Front jack stand
- High quality paint finish

OPTIONS *Consult factory list for more options.*

- SBU piston-side hose kit (BSA 100 Series only)
- Hydraulic remixer/agitator (std on TK 30, 70 and BSA 100 Series)
- 6" to 5" reducing elbow (BSA 100 Series only)
- Electric version - 460V, 60Hz, 3-phase (note: electric versions have decreased output)
- Special voltages
- Skid-mounted with angled flatpack and hopper bib for truck mounting (N/A - TK 15HP and TK 30)
- Tandem axle trailer (N/A -TK 15HP and TK 30)
- Hydraulic rear outriggers (N/A BSA 100 Series)
- High pressure water pump for clean out/hydraulic drive
- 3-function wireless remote control at 1000 ft (305m) range - start, stop, reverse, E-stop (N/A BSA 120-D)
- 4-function wireless remote control at 1000 ft (305m) range - start, stop, reverse, throttle, E-stop (N/A BSA 120-D)
- 5-function wireless remote control at 1000 ft (305m) range - start, stop, reverse, throttle, volume, E-stop
- Electric stroke counter
- Automatic lubrication system with timer
- 2 5/16" ball hitch (N/A BSA 100 Series)
- 3" Lunette eye (std on BSA 100 Series)
- Hydraulic surge brakes
- Automatic reverse hydraulic brake lockout
- 12,000 lb heavy-duty jack stand (N/A BSA 100 Series)
- Aluminum wheels
- Special paint schemes

Putzmeister

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