M3-SERIES COMPACT LOADERS

400, 500, 600 & 700 PLATFORMS & K-SERIES S70

BUILD YOUR BUSINESS SUCCESS ON BOBCAT PERFORMANCE.

M3-Series loaders deliver proven Bobcat performance that every hard worker can appreciate. Get the job done quickly and reliably with an impressive balance of high performance along with simplified options and configurations. The result is high productivity, solid reliability, top versatility and great value.

Machine: T595
Attachment: Bucket

PERFORMANCE

FAST. STRONG. RELIABLE.

Great performance comes from more than just a high-horsepower engine. Bobcat® loaders are designed with a careful balance of engine power, hydraulic pump and cylinder size for faster cycle times. An efficient lift arm design provides powerful breakout forces. If you need to work quicker, lift more and outperform the competition, Bobcat compact loaders are the only choice.

Machine: T650
Attachment: Bucket

FAST CYCLE TIMES

Hydraulic pumps in Bobcat loaders are matched to cylinder size and loader lift capacity to provide fast cycle times that help you get the job done faster.

POWERFUL BREAKOUT FORCES

An efficient lift arm design provides better breakout forces for tough digging and lifting situations.

HIGH TORQUE

Bobcat engines produce high torque levels at low rpm operation. This means better performance for pushing, digging, lifting and operating attachments with less chance of stalling.

IMPRESSIVE HYDRAULICS

The Bobcat engine, pump, horsepower and cubic-inch displacement are configured precisely for each model's specific operating capacity. Engine horsepower and hydraulic system performance are finely tuned to get the job done quickly, with efficiency and smooth control.

A WIDER RANGE OF POWER

Compared to other engines, Bobcat engines generate the most torque across a much wider rpm range. They can stay in the peak torque range longer.

TWO-SPEED TRAVEL

Spend less time traveling across the jobsite or between jobs. Move faster – and get the job done sooner with two-speed travel.

AUTOMATIC RIDE CONTROL

Its dampening effect increases comfort by offering a smoother ride when traveling across uneven terrain. Reduces material spillage and enables operators to travel at faster speeds for more productivity.

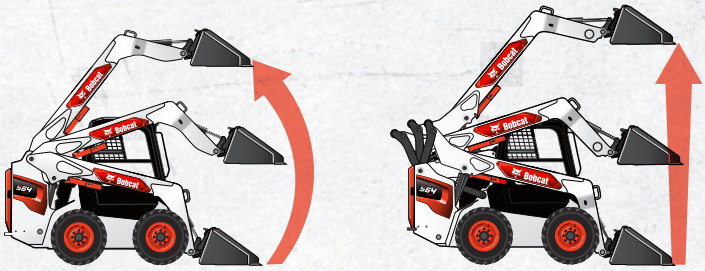
SIMPLE, STATE-OF-THE-ART AND NON-DPF

The biggest advantage of our Tier 4 solution is simplicity. Bobcat engines meet Tier 4 regulations without a diesel particulate filter (DPF). This reduces downtime that occurs with DPF regeneration and long-term DPF maintenance costs and allows operators to focus on working.

Machine: T740
Attachment: Bucket

LIFT ARMS

Our durable, patented lift-arm design and a choice of lift path help you meet the unique demands of the work you do most often.



RADIUS LIFT PATH

A radius lift path provides maximum reach at truck bed height. Arm movement forms an arc. More than 80% of that arc delivers better reach at truck bed height. A radius lift path excels in jobs at mid-range heights, like dumping, backfilling or unloading flatbed trucks.

VERTICAL LIFT PATH

A vertical lift path provides higher lift capacity and more reach at full lift height than radius lift path, keeping the load closer to the machine while you raise the loader arms. Because you achieve maximum reach at full lift height, it's easier to clear high-sided truck boxes and hoppers.

HYDRAULICALLY CUSHIONED CYLINDERS

Smooth, quick Bobcat lift cylinders lower the lift arms back to their original position on the loader frame. This occurs automatically with every lift cycle to reduce noise and increase comfort during operation.

TACKLE THE JOB IN TOTAL COMFORT.

A machine's comfort level is just as important as performance and productivity. Comfortable operators are more focused on their work, more productive and more satisfied with the finished product. A comfortable machine benefits owners and operators alike.

LARGE ENTRY

On machines with enclosed cabs, large swing-open doors provide ample room for exit and entry.

AMPLE STORAGE

Storage bins are located throughout the interior of the cab.

PRESSURIZED CAB

Dirt, dust, mud and debris are part of your routine. Bobcat enclosed cabs have a best-in-class pressurized interior space that keeps operators cleaner and more comfortable.

FRONT DOOR SEAL

A specially designed front door seal aids in cab pressurization and keeps clean, heated or air-conditioned air inside.

Machine: T595

ALL-AROUND VISIBILITY

TOP VISIBILITY

A top window with a wide viewing area gives you visibility for raising loads above the cab, such as loading trucks or stacking materials.

FRONT VISIBILITY

The cab-forward design moves the operating area closer to the attachment, giving you a better vantage point to see your work. A single curved pane of glass delivers more glass surface area than other manufacturers.

SIDE VISIBILITY

You can see the tracks or tires without having to lift your loader arms. This increases your performance in tight areas, such as grading next to a building or backing onto a trailer.

REAR VISIBILITY

The large rear window and angle of the back of the loader provide a great view behind the tailgate.

SEAT-MOUNTED JOYSTICKS

On loaders with Selectable Joystick Control (SJC), the joysticks are mounted to the seat. As your suspension seat moves up and down, the joysticks move with the seat for added comfort while operating.

DELUXE INSTRUMENTATION

This full-color LCD screen enables you to monitor and interact with your machine in English, Spanish and five other languages. Access machine performance and troubleshooting information. Use password-protected keyless start to prevent theft and save downtime from lost keys. You can even use it to monitor or make adjustments to certain attachments.

FINGERTIP CONTROLS

Fingertip controls make your attachment comfortable to operate, easy to control and simple to adjust. Dual-direction detent allows hydraulic flow to be engaged continuously, in either direction, without holding a switch. Variable hydraulic flow allows you to slowly move cylinders when working with a grapple or combination bucket, or crank it up to maximum flow and quickly shake dirt from an auger bit.

CAB-INTEGRATED HEAT AND AIR CONDITIONING

The heat and AC system distributes airflow throughout the cab for maximum operator comfort.

OTHER FEATURES

- 12-volt power accessory
- Easy-pull, easy-secure side window
- High-output halogen lights for low-light operation
- Optional side lighting kit

OUTLAST EVERY TASK.

Millions of professionals work with Bobcat equipment, and if your machine isn't working, it's not making money. Bobcat loaders have maximized uptime and kept operators running for generations.

Machine: T550
Attachment: Pallet Fork

Machine: S590

RELIABLE COOLING SYSTEM

The Bobcat cooling system senses engine temperatures and only turns the fan as fast as needed, reducing sound levels and providing excellent protection from overheating. A patented dual-path cooling system draws cool, clean air from above, and forces hot air out two side vents, directing it away from the operator.

MACHINE SHUTDOWN PROTECTION

Bobcat loaders come standard with automatic shutdown that monitors engine and hydraulic functions. The system alerts the operator and, if necessary, de-rates the engine power and hydraulic flow. It still allows the operator to complete the current task or move the loader to an area for diagnosis.

BATTERY RUN-DOWN PROTECTION

The lighting circuit automatically shuts down to prevent accidental battery discharge.

SELF-DIAGNOSTICS

On-board diagnostics efficiently troubleshoot problems in the field and reduce downtime. Downloadable machine performance history drastically cuts time needed to identify problems and correct them.

PROTECTED HOSES AND QUICK COUPLERS

The integrated, pressure-release quick couplers are mounted directly into the front plate of the lift arm – with no exposed hoses to damage. A steel guard extends beyond the couplers, protecting them even further.

COLD WEATHER ENGINE PROTECTION

Protects your machine from working too hard before the engine is properly warmed up.

CHOICE CONTROLS

Bobcat provides intuitive, precise and adaptable control options to make every operator as productive as possible. Whether your job requires a fine, precise touch when working close to walls and obstacles or quick, responsive work group action and maneuverability, Bobcat puts you in total control of the task.

SELECTABLE JOYSTICK CONTROL (SJC) ADAPTS PERFORMANCE TO THE JOB

This state-of-the-art system offers low-effort hand control of all machine work group functions. ISO or H patterns can be easily activated with the flip of a switch inside the cab.

DRIVE RESPONSE MODE

Drive response mode allows you to choose how the drive responds to joystick movement. Whether you like a more gradual response, quicker response or something in between, three different settings put you in control.

SPEED MANAGEMENT

Simply “dial in” your required travel speed in small increments to match speed to your operation requirements and maximize attachment performance. Speed management gives you a full range of joystick motion with maximum driveline torque and full hydraulic power at slower machine speed.

STEERING DRIFT COMPENSATION

Steering drift compensation keeps you on a straight path by helping you make minor adjustments to the steering. It’s beneficial when you side-shift certain attachments, such as planers or trenchers, as this will tend to pull the machine to one side. You can also use it while driving on surfaces that cause the loader to gradually drift left or right, such as crowned roads. Make fine steering adjustments to either side and stay on target.

HORSEPOWER MANAGEMENT

Bobcat horsepower management automatically adjusts the loader drive system to maximize pushing and digging power while minimizing your chance of stalling. Unlike other anti-stall systems, Bobcat horsepower management lets the operator obtain maximum engine and drive torque to match the toughest digging conditions. If you prefer to work without it, simply disengage with the push of a button.

STANDARD CONTROLS – A TRIED-AND-TRUE SYSTEM

The standard control system is still a popular style of control today. A lever controls the drive on each side independently, while your feet control the lift arms and bucket. The farther you stroke the lever, the faster you go. The shorter the stroke, the more torque that is delivered to the wheels or tracks, allowing maximum power for pushing into a pile.

Low-effort, low-fatigue foot pedals offer comfort for long days and precise, responsive control. In the cab, the flat floor gives your feet more freedom to move for comfortable positioning and less fatigue from long hours in the cab.

"The biggest thing I like about Bobcat equipment is the ergonomics."

***– Jessie Hamilton** (pictured)*
Bobcat Equipment Operator

EASY MAINTENANCE AND SERVICEABILITY

Engine checkpoints are within easy reach – so daily maintenance actually gets done. Better access to routine and long-term maintenance points makes preventative maintenance simple, reducing your operating costs and adding to your bottom line.

Machine: S510

FULL-ACCESS SERVICEABILITY

Our large, swing-open tailgate provides convenient access to routine maintenance points. There are no radiators to move, lift arms to raise or lift-arm support devices to install.

TIP-UP CAB

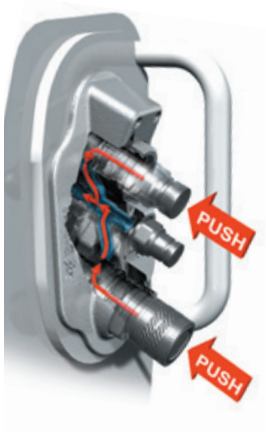
For non-routine service, simply remove two nuts and tip back the cab to access hydraulic and hydrostatic components in minutes.

SIMPLE TRACK TENSIONING

When it's time to adjust track tension, all it takes is a common grease gun. Idlers and rollers are permanently sealed and lubricated.

BUILT-IN BUSINESS EXPANSION

Whether it's breaking concrete, taking down buildings or digging post holes, Bobcat attachments help you take on new jobs and get more use from your machine. Bobcat attachments were designed for your equipment – with performance, visibility, and ease of entry and exit in mind.



QUICK COUPLERS

Bobcat loaders come with quick couplers to release trapped hydraulic pressure. By pushing the coupler inward, hydraulic oil is released through a return line back into the machine. The result is a clean, quick attachment change every time.

ATTACHMENT CONTROL KIT

Several attachments require control of more than one function. Our small, seven-pin attachment harness activates power and fingertip control functions while eliminating the need for mechanical relays used on other loaders. It's fully integrated with your Bobcat loader for a clean look and protected routing.

Machine: T595
Attachment: Landplane

Machine: T550
Attachment: Brushcat™ Rotary Cutter

Machine: T450
Attachment: Auger

BOB-TACH SYSTEM

Change attachments in less than a minute with the Bob-Tach® mounting system and get a tight attachment fit every time.

POWER BOB-TACH SYSTEM

With the Power Bob-Tach® system, you can change non-hydraulic attachments without leaving the comfort of your cab. Just line up the attachment and press the switch.

SPECIFICATIONS





	Model	S70	S450	S510	S590	S650
PERFORMANCE	Rated Operating Capacity (ROC) (35% of tipping load)	–	–	–	–	–
	ROC (50% of tipping load)	760 lb. (344 kg)	1370 lb. (621 kg)	1790 lb. (812 kg)	2000 lb. (907 kg)	2690 lb. (1220 kg)
	ROC With (optional 200 lb., 90 kg) Counterweight	–	1430 lb. (649 kg)	2023 lb. (917 kg)	2150 lb. (975 kg)	2840 lb. (1288 kg)
	Tipping Load	1520 lb. (689 kg)	2740 lb. (1243 kg)	3754 lb. (1702 kg)	4202 lb. (1906 kg)	5380 lb. (2440 kg)
	Height to Bucket Hinge Pin	94.5 in. (2400 mm)	109.5 in. (2781 mm)	114.5 in. (2908 mm)	119.0 in. (3023 mm)	124.0 in. (3149 mm)
	Lift Arm Path	Radius	Radius	Radius	Vertical	Vertical
SIZE AND SPEED	Operating Weight	2892 lb. (1312 kg)	5370 lb. (2436 kg)	6208 lb. (2816 kg)	6765 lb. (3069 kg)	8061 lb. (3657 kg)
	Width With Bucket	36.0 in. (914 mm)	62.0 in. (1575 mm)	68.0 in. (1727 mm)	68.0 in. (1727 mm)	74.0 in. (1880 mm)
	Height With Cab	71.4 in. (1814 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	81.3 in. (2065 mm)
	Travel Speed - Low Range	6.3 mph (10.1 km/hr.)	7.6 mph (12.3 km/hr.)	7.6 mph (12.3 km/hr.)	7.0 mph (11.2 km/hr.)	7.1 mph (11.4 km/hr.)
	Travel Speed - High Range (optional 2-Speed travel)	–	9.2 mph (14.8 km/hr.)	11.0 mph (17.3 km/hr.)	11.4 mph (18.4 km/hr.)	12.3 mph (19.8 km/hr.)
ENGINE	Emissions Tier (EPA)	Tier 4	Tier 4	Tier 4	Tier 4	Tier 4
	Horsepower	23.5 hp (17.5 kW)	49.0 hp (36.5 kW)	55.0 hp (41.0 kW)	68.0 hp (50.7 kW)	74.0 hp (55.1 kW)
	Type	Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel
	Fuel Tank Capacity	6.5 gal. (24.6 L)	14.2 gal. (53.8 L)	24.8 gal. (93.7 L)	24.8 gal. (93.7 L)	23.9 gal. (90.5 L)
	Horsepower Management	–	Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option
TIRES	Bobcat Heavy Duty	–	Std	Std	Std	Std
	Bobcat Standard Duty	Std	–	–	–	Opt (Parts)
	Bobcat Superfloat Duty	–	–	–	Std	Opt (Parts)
TRACKS/ UNDERCARRIAGE	Track Width - Standard	–	–	–	–	–
	Track Width - Optional	–	–	–	–	–
	Ground Pressure (with standard tracks)	–	–	–	–	–
	Ground Pressure (with optional tracks)	–	–	–	–	–
	Length of Track on Ground	–	–	–	–	–
	Roller Suspension Undercarriage	–	–	–	–	–
	Grease Cylinder Track Tensioning	–	–	–	–	–
CONTROL OPTIONS	Bobcat Standard (foot pedals/steering levers)	Std	Std	Std	Std	Std
	Selectable Joystick Controls (SJC)	–	Opt	Opt	Opt	Opt
	Radio Remote Control (SJC required)	–	Opt	Opt	Opt	Opt
MACHINE FEATURES	2-Speed Travel	–	Opt	Std	Std	Std
	Automatic Ride Control	–	–	Opt	Opt	Opt
	Back-Up Alarm and Horn	Std	Std	Std	Std	Std
	Bobcat Interlock Control System (BICS™)	Std	Std	Std	Std	Std
	Cab With Heat	Opt	–*	–	–	–
	Cab With Heat and Air Conditioning	–	Opt	Opt	Opt	Opt
	Heated Cloth Air-Ride Seat	–	–*	–*	–*	Opt (Parts)
	Hydraulic Bucket Positioning	–	–*	Opt	Opt	Opt
	Front and Rear Work Lights	Std	Std	Std	Std	Std
	Mechanical Suspension Seat	Std	Std	Std	Std	Std
	Radio	–	–*	–*	–*	–*
	Reversing Fan	–	–	–*	–*	–*
	ROPS/FOPS Approved Cab Structure	Std	Std	Std	Std	Std
	Deluxe Instrumentation	–	–*	–*	–*	–
	Side Lighting Kit	–	–	–*	–*	Opt
	Sound Reduction Package	Opt	–*	–*	–*	–*
FEATURES FOR ATTACHMENTS	Attachment Control	–*	Opt	Opt	Opt	Opt
	Bob-Tach Mounting System	Std	Std	Std	Std	Std
	Power Bob-Tach System	–	Opt	Opt	Opt	Opt
	Fingertip Auxiliary Hydraulics Control	–	Std	Std	Std	Std
	Hydraulic System Pressure	3000 psi (20.6 MPa)	3300 psi (22.7 MPa)	3550 psi (24.4 MPa)	3550 psi (24.4 MPa)	3500 psi (24.1 MPa)
	Hydraulic Standard Flow	9.8 gpm (37.1 L/min.)	16.7 gpm (63.2 L/min.)	17.1 gpm (64.7 L/min.)	17.1 gpm (64.7 L/min.)	23.0 gpm (87.1 L/min.)
	Hydraulic High Flow	–	–	–	26.7 gpm (101.1 L/min.)**	30.5 gpm (115.5 L/min.)**
	Pressure Release Hydraulic Quick Couplers	–	Std	Std	Std	Std
	Speed Management	–	Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option

*Ask your Bobcat dealer about installing this option. | **Optional

S770	T450	T550	T595	T650	T740	T770
–	1490 lb. (676 kg)	1995 lb. (905 kg)	2100 lb. (953 kg)	2570 lb. (1165 kg)	3200 lb. (1451 kg)	3325 lb. (1508 kg)
3350 lb. (1520 kg)	2120 lb. (962 kg)	2850 lb. (1293 kg)	3000 lb. (1361 kg)	3670 lb. (1664 kg)	4571 lb. (2073 kg)	4750 lb. (2155 kg)
3500 lb. (1588 kg)	1656 lb. (745 kg)	2095 lb. (950 kg)	2200 lb. (997 kg)	2670 lb. (1211 kg)	3300 lb. (1497 kg)	3575 lb. (1622 kg)
6700 lb. (3039 kg)	4257 lb. (1931 kg)	5792 lb. (2627 kg)	6000 lb. (2721 kg)	7343 lb. (3330 kg)	9143 lb. (4147 kg)	9929 lb. (4504 kg)
131.4 in. (3338 mm)	109.5 in. (2781 mm)	114.5 in. (2908 mm)	119.0 in. (3023 mm)	124.0 in. (3149 mm)	131.4 in. (3338 mm)	131.4 in. (3338 mm)
Vertical	Radius	Radius	Vertical	Vertical	Vertical	Vertical
9314 lb. (4225 kg)	6424 lb. (2914 kg)	7557 lb. (3428 kg)	7822 lb. (3548 kg)	9113 lb. (4133 kg)	10,127 lb. (4594 kg)	10,331 lb. (4686 kg)
74.0 in. (1880 mm)	56.0 in. (1422 mm)	68.0 in. (1727 mm)	68.0 in. (1727 mm)	74.0 in. (1880 mm)	80.0 in. (2032 mm)	80.0 in. (2032 mm)
81.3 in. (2065 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	77.8 in. (1976 mm)	81.3 in. (2065 kg)	81.3 in. (2065 mm)	81.3 in. (2065 mm)
7.1 mph (11.4 km/hr.)	7.0 mph (11.2 km/hr.)	7.1 mph (11.4 km/hr.)	7.1 mph (11.4 km/hr.)	6.2 mph (9.9 km/hr.)	6.0 mph (9.7 km/hr.)	6.6 mph (10.6 km/hr.)
12.3 mph (19.8 km/hr.)	11.0 mph (17.7 km/hr.)	–	10.4 mph (16.7 km/hr.)	10.0 mph (16.0 km/hr.)	8.3 mph (13.4 km/hr.)	10.7 mph (17.2 km/hr.)
Tier 4	Tier 4	Tier 4	Tier 4	Tier 4	Tier 4	Tier 4
92.0 hp (68.6 kW)	55.0 hp (41.0 kW)	68.0 hp (50.7 kW)	70.0 hp (52.2 kW)	74.0 hp (55.2 kW)	74.0 hp (55.2 kW)	92.0 hp (68.6 kW)
Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel	Turbo Diesel
23.9 gal. (90.5 L)	16.7 gal. (63.2 L)	36.5 gal. (138.2 L)	36.5 gal. (138.2 L)	23.9 gal. (90.5 L)	43.8 gal. (165.8 L)	43.8 gal. (165.8 L)
Included with SJC Option	Included with SJC Option	Included with SJC Option	Included	Included with SJC Option	Std	Included with SJC Option
Std	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	11.8 in. (300 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	12.6 in. (320 mm)	17.7 in. (450 mm)	17.7 in. (450 mm)
–	–	15.7 in. (400 mm)	15.7 in. (400 mm)	17.7 in. (447 mm) (Parts)	–	15.7 in. (398 mm) (Parts)
–	4.8 psi (0.33 bar)	4.9 psi (0.34 bar)	5.1 psi (0.35 bar)	5.7 psi (0.39 bar)	4.1 psi (0.28 bar)	4.1 psi (0.29 bar)
–	–	4.0 psi (0.27 bar)	4.1 psi (0.28 bar)	4.1 psi (0.28 bar)	–	–
–	50.2 in. (1275 mm)	54.1 in. (1374 mm)	54.1 in. (1374 mm)	57.7 in. (1466 mm)	63.7 in. (1618 mm)	63.7 in. (1618 mm)
–	–	–	–	–	–	Opt
–	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	–	Std
Opt	Opt	Opt	Opt	Opt	Std	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Opt	–	–	Opt	Opt	Opt
Opt	–	–*	–*	–*	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	Std	Std
Opt	–	–	–	–	–	–
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Opt	–*	–*	–*	Opt (Parts)	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Std	Std	Std	Std	Std	Std	Std
–*	–*	–*	–*	–*	Opt	Opt
Opt	–	–*	–*	–*	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Opt	–*	–*	–*	–	Opt	Opt
Opt	–	–*	–*	Opt	Opt	Opt
–*	–*	–*	–*	–*	Opt	Opt
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
Opt	Opt	Opt	Opt	Opt	Opt	Opt
Std	Std	Std	Std	Std	Std	Std
3500 psi (24.1 MPa)	3300 psi (22.7 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)	3500 psi (24.1 MPa)
23.0 gpm (87.1 L/min.)	16.7 gpm (63.2 L/min.)	17.1 gpm (64.7 L/min.)	17.1 gpm (64.7 L/min.)	23.0 gpm (87.0 L/min.)	23.0 gpm (87.1 L/min.)	23.0 gpm (87.1 L/min.)
36.6 gpm (138.5 L/min.)**	–	–	26.7 gpm (101.1 L/min.)**	30.5 gpm (115.5 L/min.)**	30.5 gpm (115.5 L/min.)**	36.5 gpm (138.2 L/min.)**
Std	Std	Std	Std	Std	Std	Std
Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option	Included with SJC Option	Std	Included with SJC Option

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