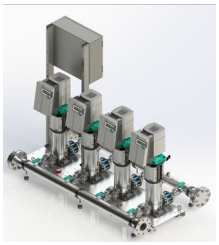
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-05-1/1.5/VCE

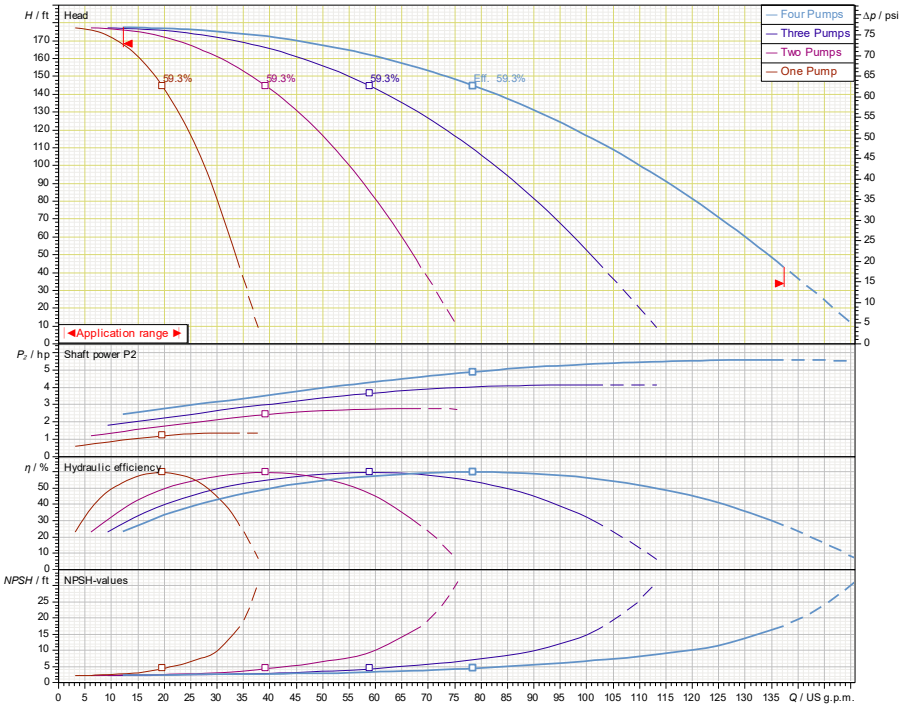


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V20-05-1/1.5/VCE				1.5			3600

Article Number: 2700975

SiBoost 4 EXCEL 20-05



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

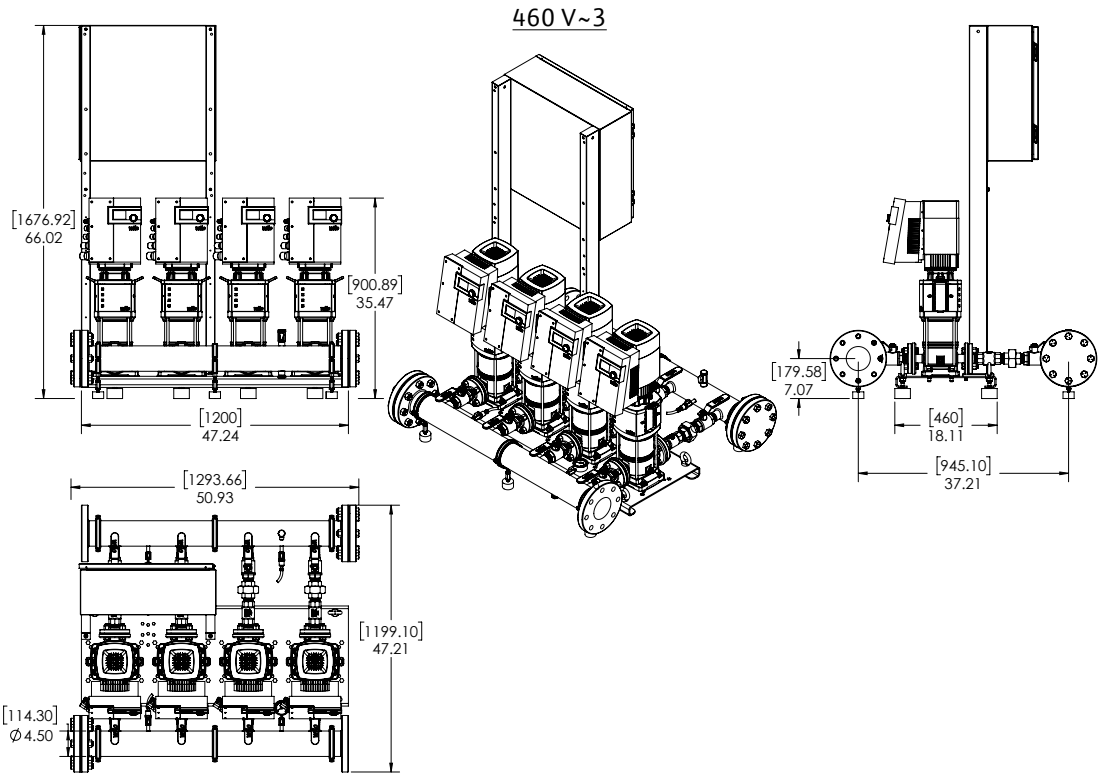
Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-05-1/1.5/VCE



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V20-05-1/1.5/VCE	460 V	66	40	48-7/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	108	763

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V20-05-1/1.5/VCE	1.5	3	460 (±10%)	1.76	92	232

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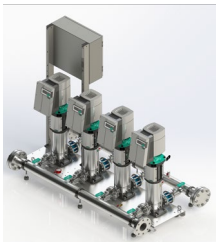
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-10-1/3/VCE

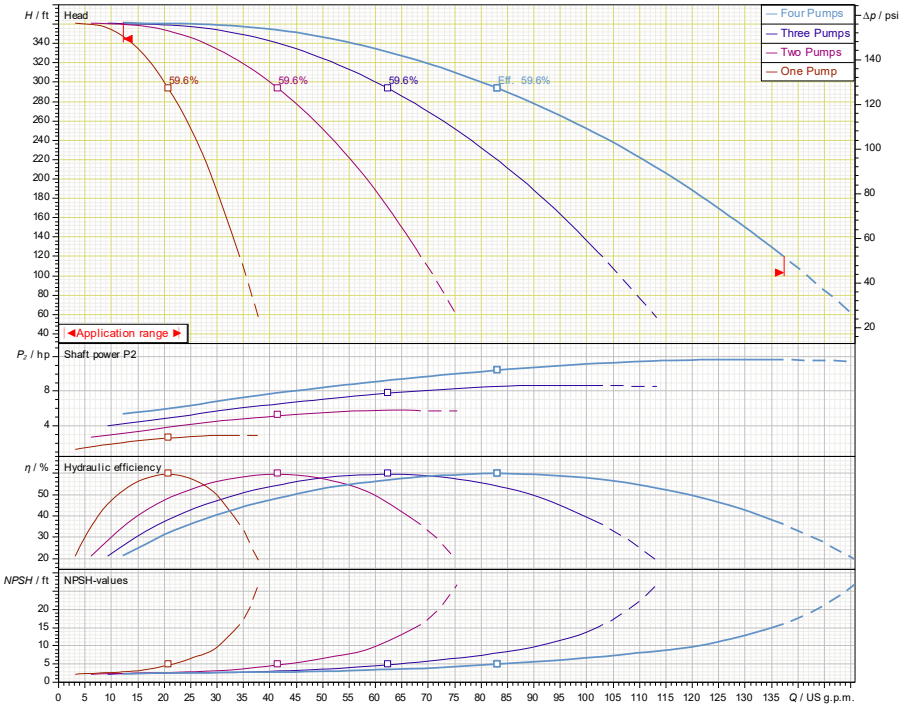


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V20-10-1/3/VCE				3			3600

Article Number: 2700976

SiBoost 4 EXCEL 20-10



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

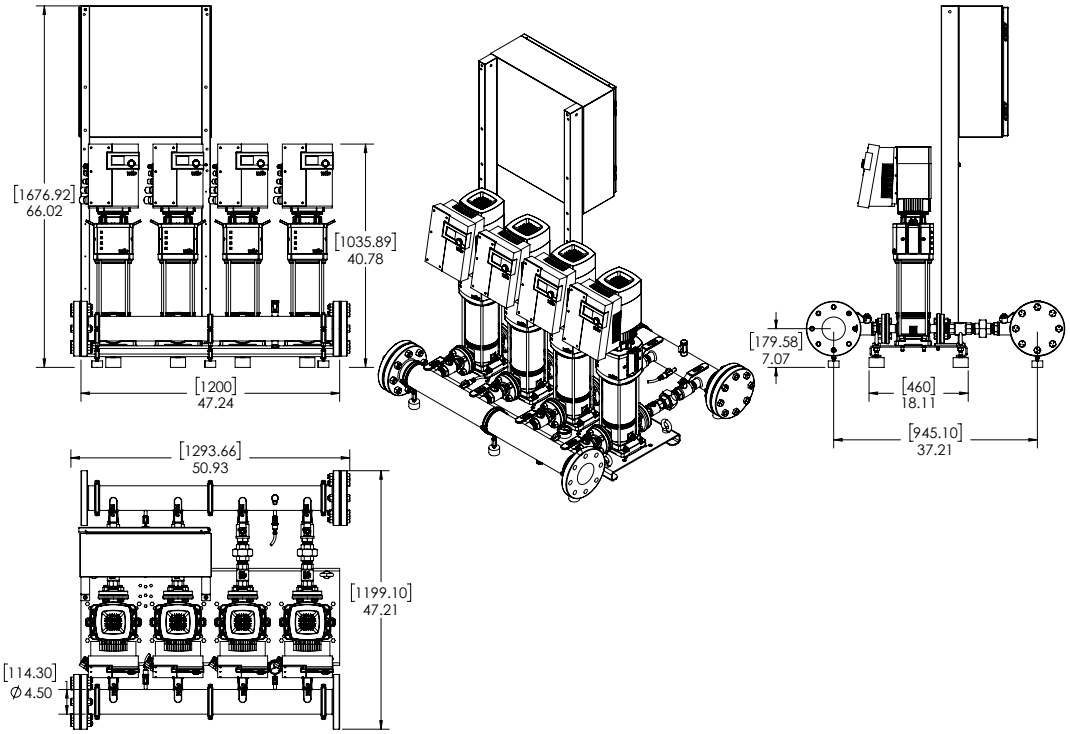
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-10-1/3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V20-10-1/3/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	122	777

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V20-10-1/3/VCE	3	3	460 (±10%)	4.4	93	232

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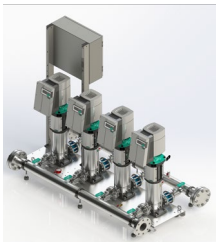
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-14-1/4.3/VCE

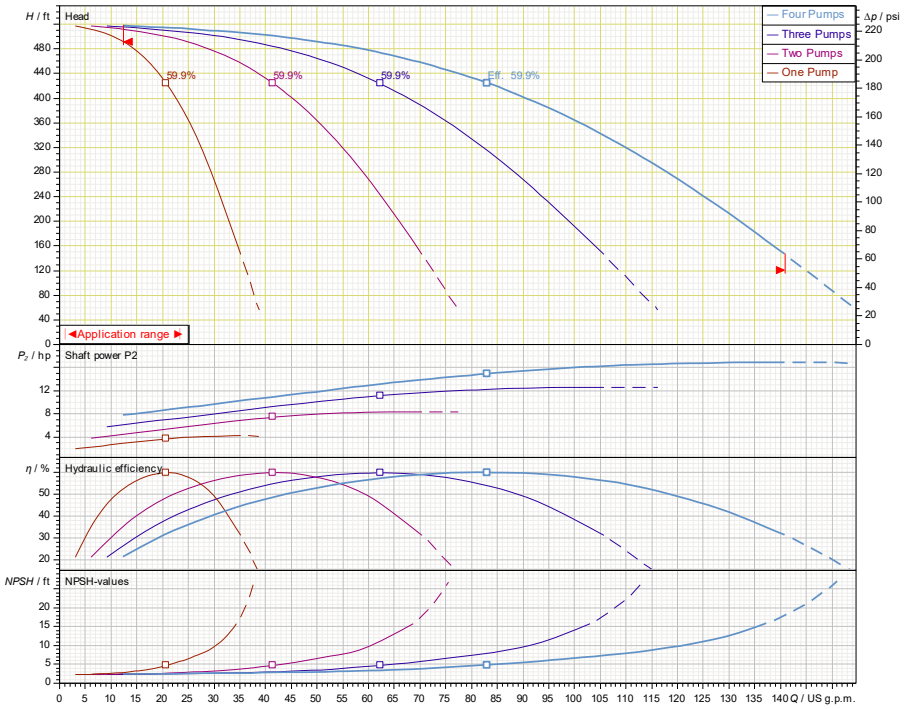


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V20-14-1/4.3/VCE				4.3			3600

Article Number: 2700977

SiBoost 4 EXCEL 20-14



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

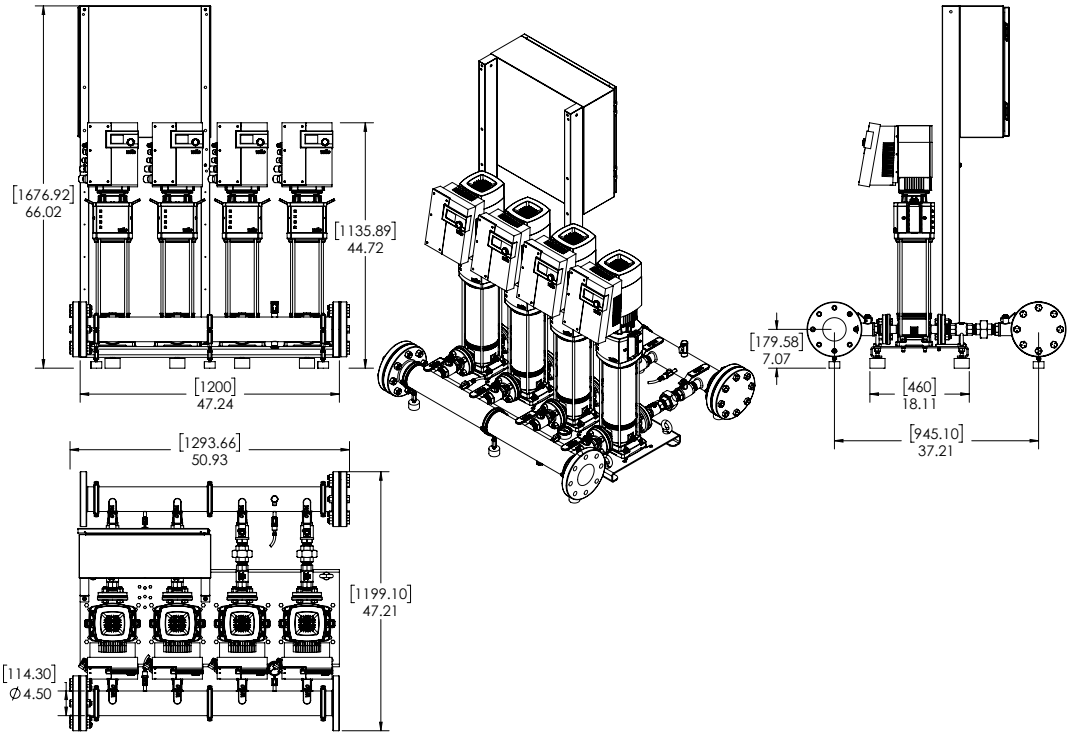
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-14-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V20-14-1/4.3/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	126	781

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V20-14-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	363

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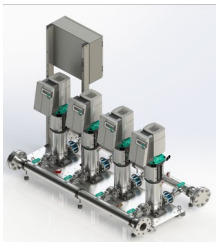
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-18-1/5.7/VCE

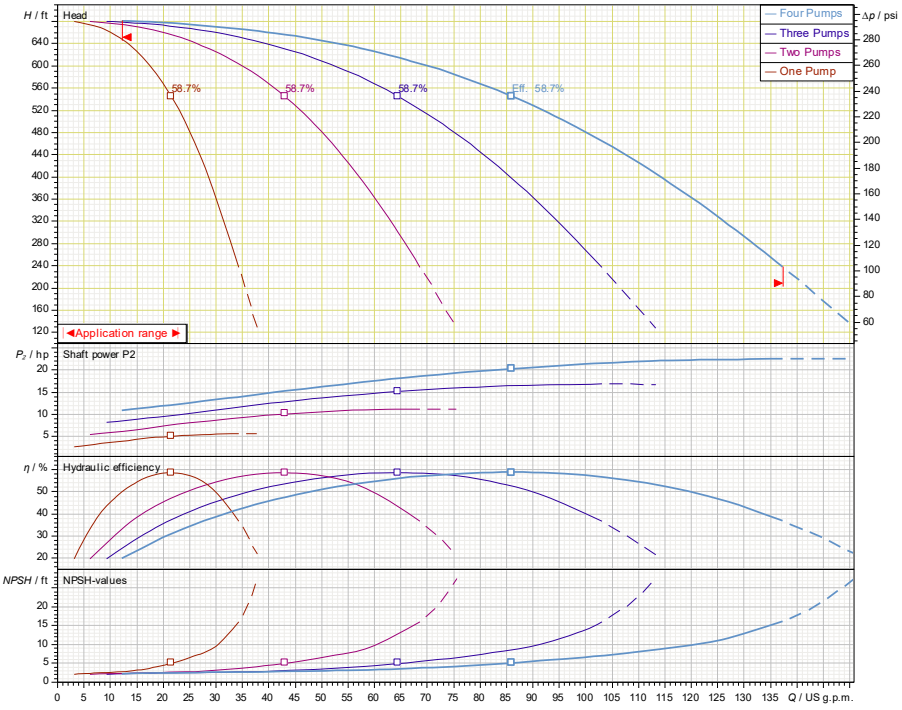


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V20-18-1/5.7/VCE				5.7			3600

Article Number: 2700978

SiBoost 4 EXCEL 20-18



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

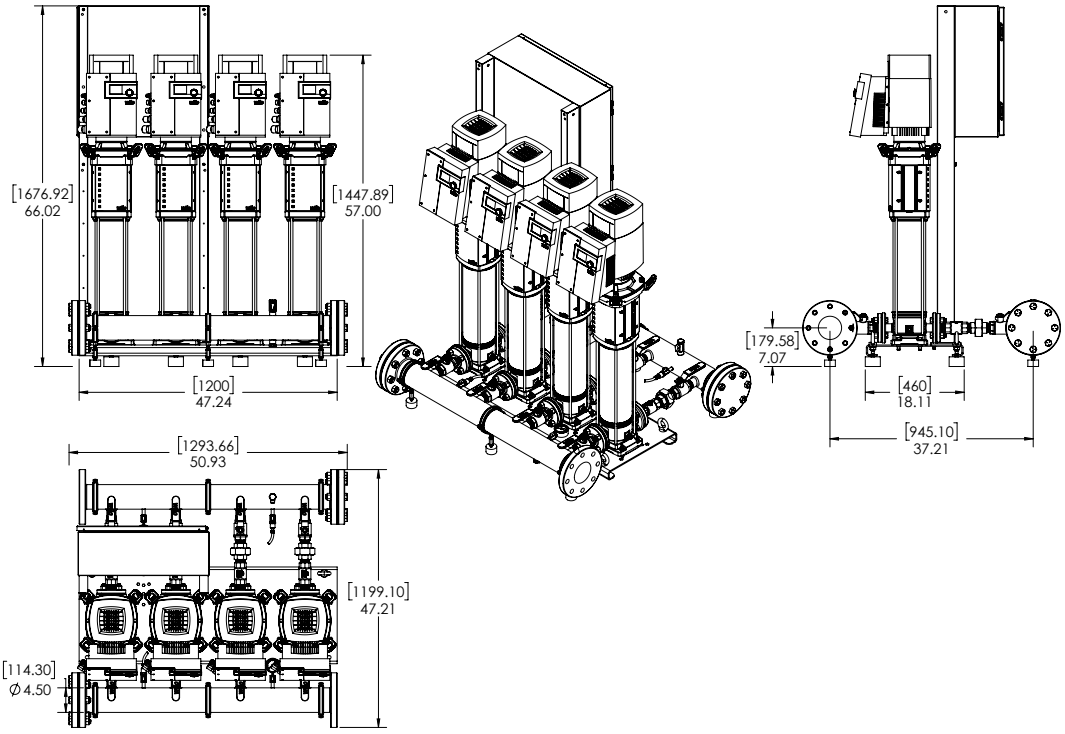
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V20-18-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V20-18-1/5.7/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	159	814

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V20-18-1/5.7/VCE	5.7	3	460 (±10%)	6.5	95.80	363

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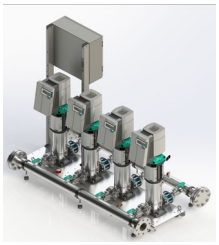
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-03-1/1.5/VCE

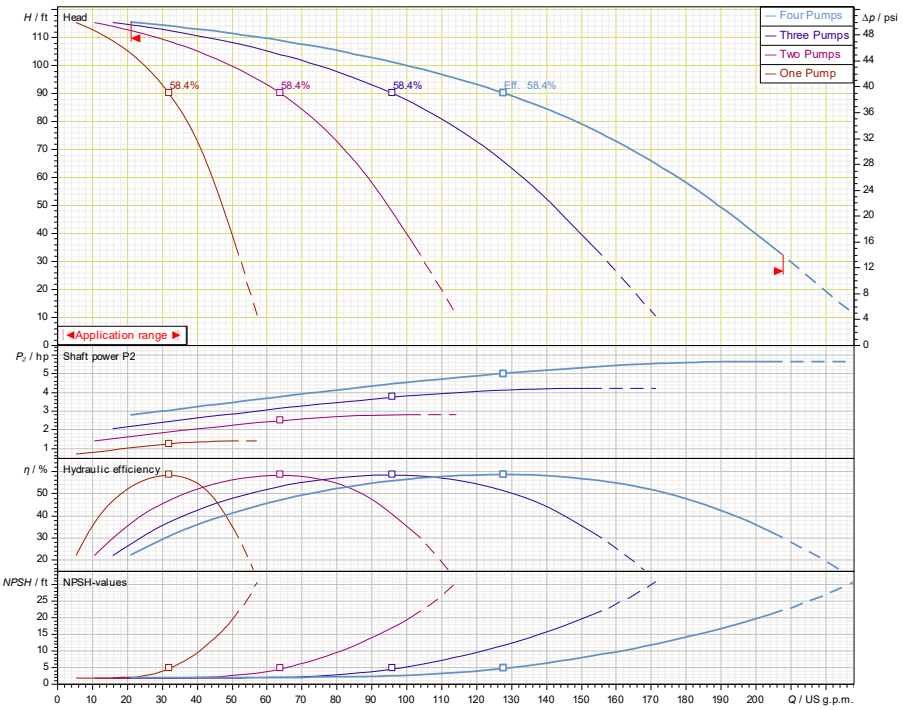


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-03-1/1.5/VCE				1.5			3600

Article Number: 2700993

SiBoost 4 EXCEL 30-03



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
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Technical Data - Panel

Power Supply	460V~3
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Technical Data - PLC

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Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

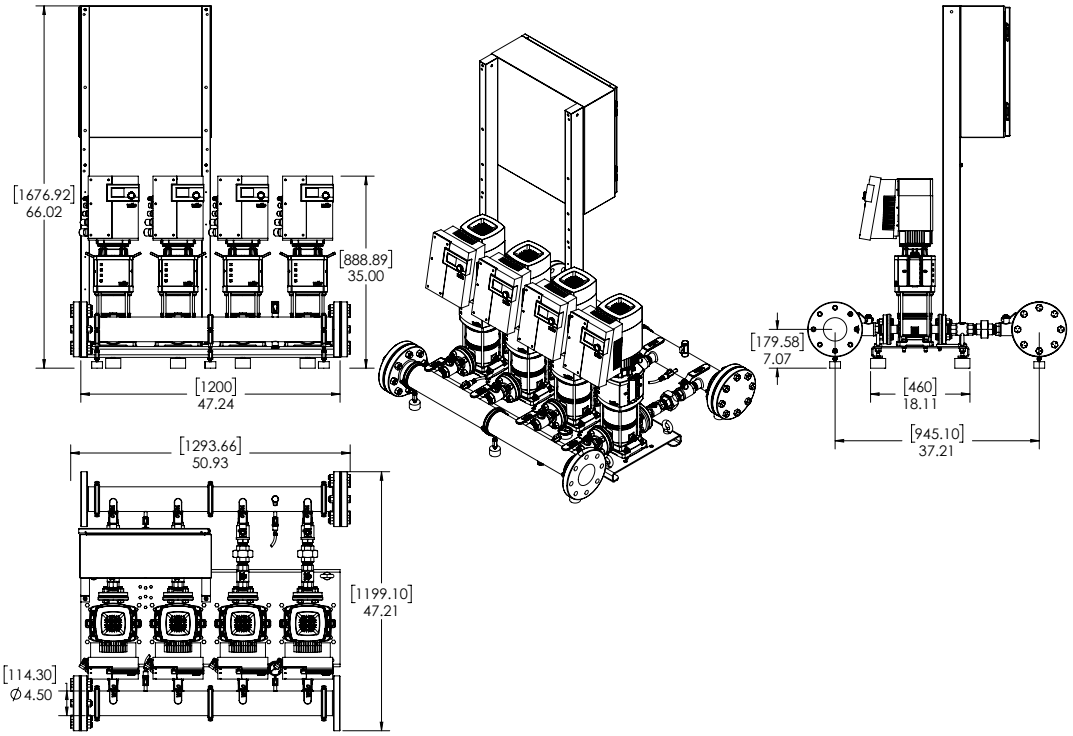
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-03-1/1.5/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-03-1/1.5/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	108	865

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-03-1/1.5/VCE	1.5	3	460 (±10%)	1.76	92	232

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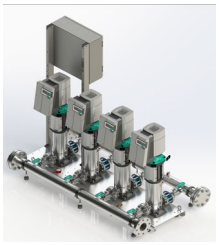
www.wilo-mexico.com
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-06-1/3/VCE

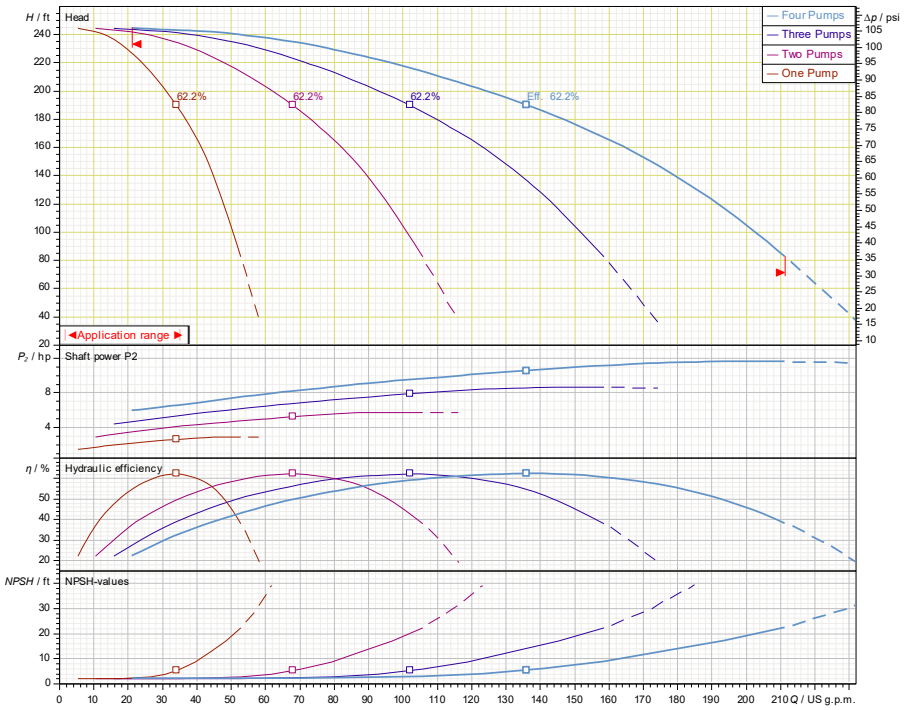


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-06-1/3/VCE				3			3600

Article Number: 2700994

SiBoost 4 EXCEL 30-06



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

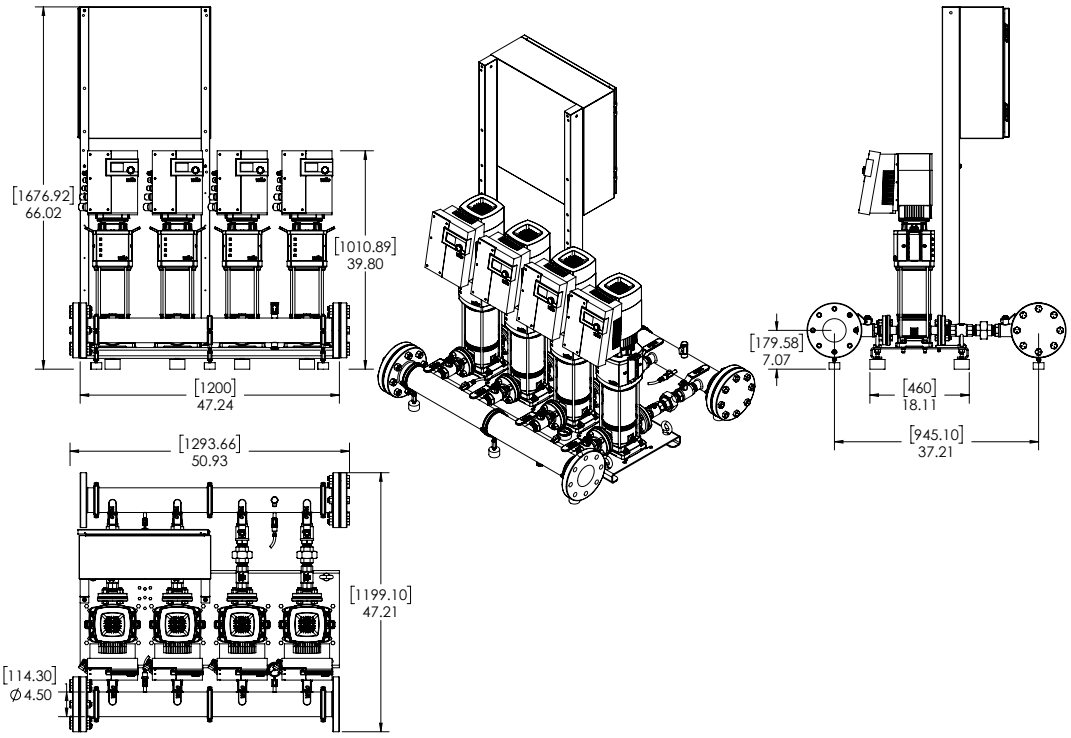
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-06-1/3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-06-1/3/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	118	875

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-06-1/3/VCE	3	3	460 (±10%)	4.4	93	232

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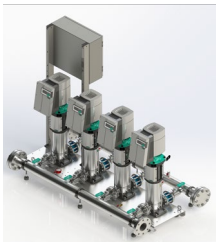
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-09-1/4.3/VCE

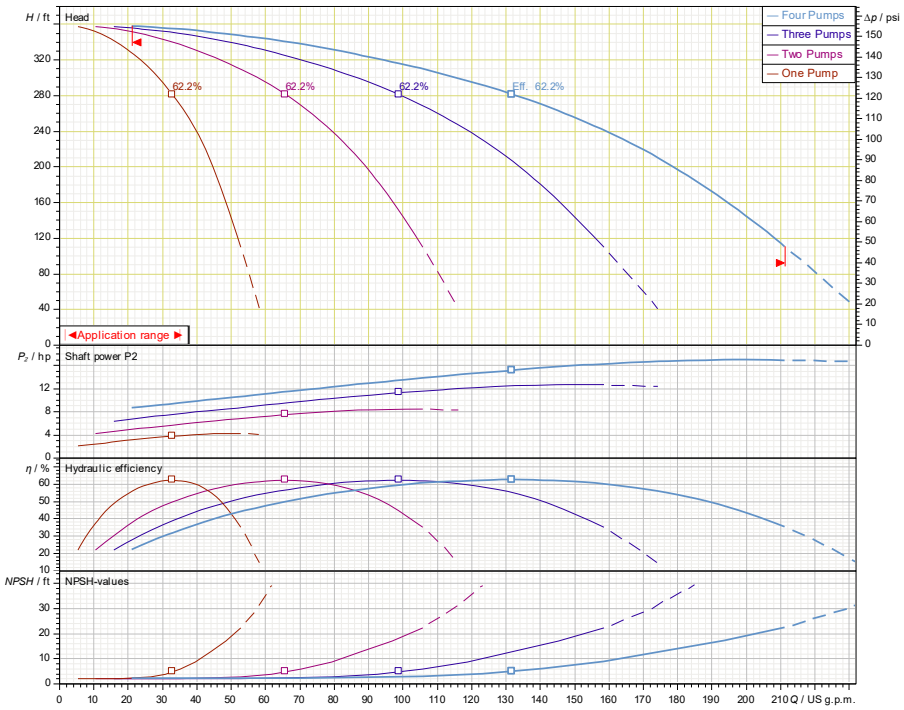


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-09-1/4.3/VCE				4.3			3600

Article Number: 2700995

SiBoost 4 EXCEL 30-09



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

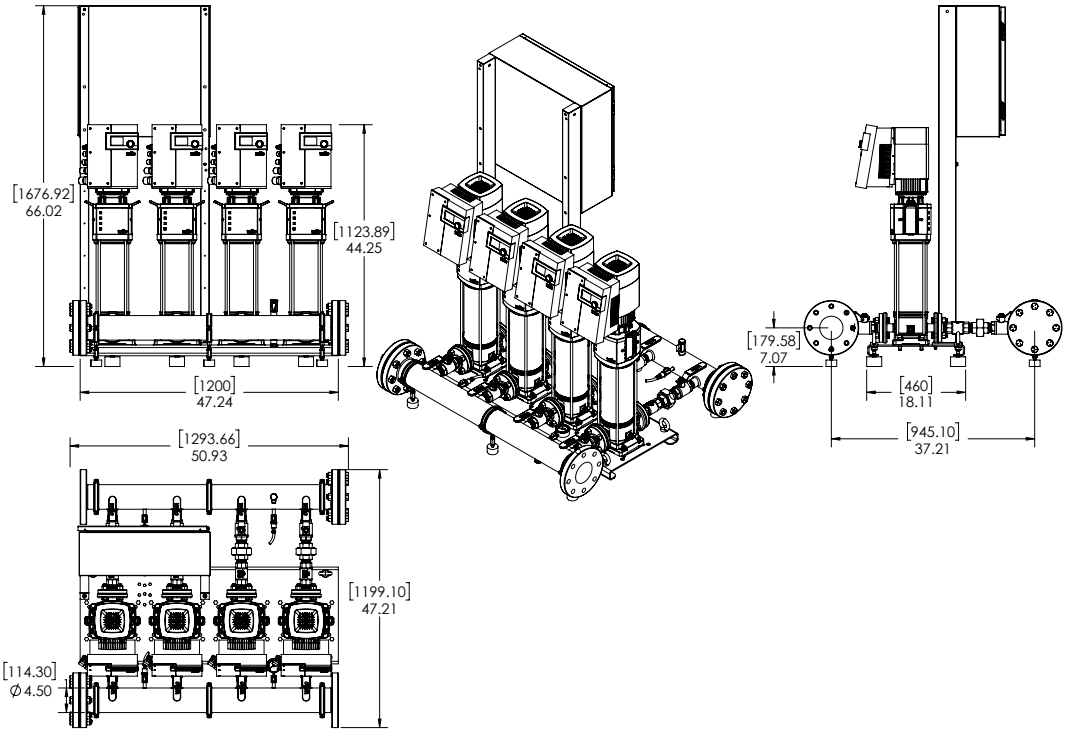
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-09-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-09-1/4.3/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	126	883

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-09-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	232

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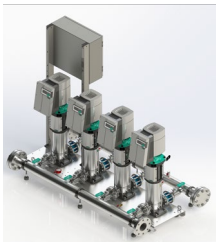
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-11-1/5.7/VCE

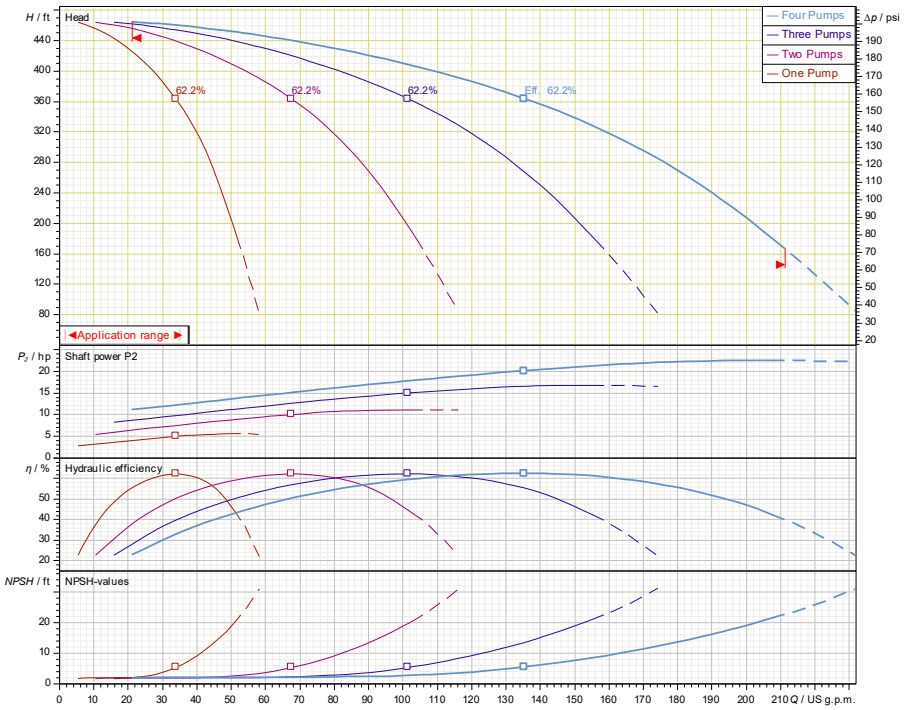


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-11-1/5.7/VCE				5.7			3600

Article Number: 2700996

SiBoost 4 EXCEL 30-11



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

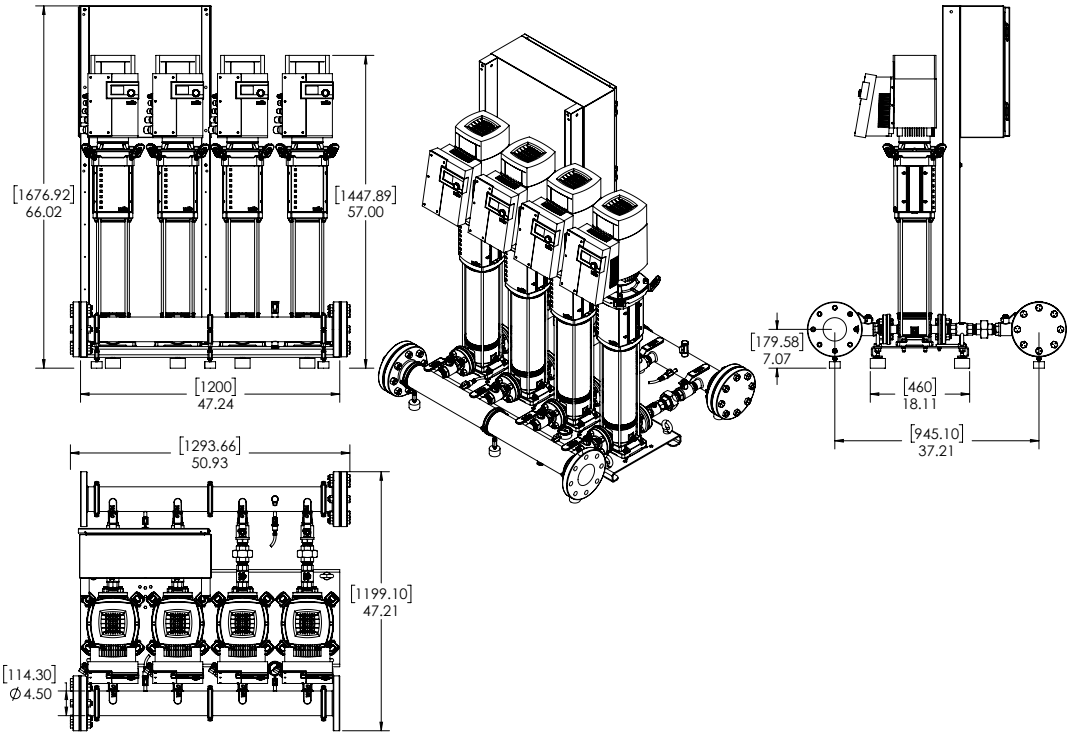
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-11-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-11-1/5.7/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	161	918

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-11-1/5.7/VCE	4.3	3	460 (±10%)	6.5	95.8	363

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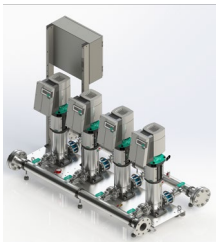
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-13-1/7.4/VCE

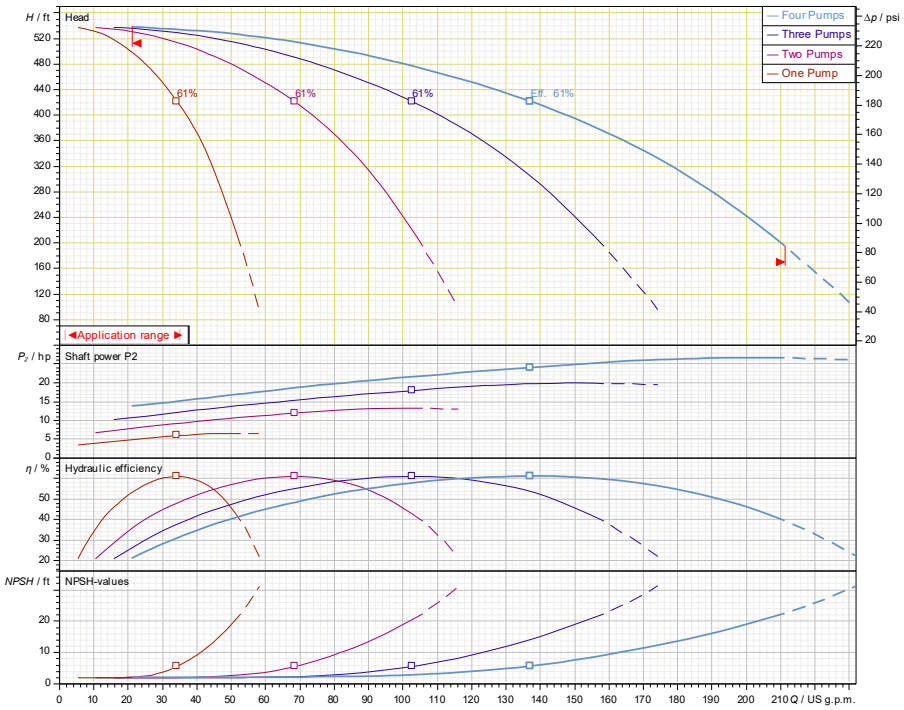


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-13-1/7.4/VCE				7.4			3600

Article Number: 2700997

SiBoost 4 EXCEL 30-13



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

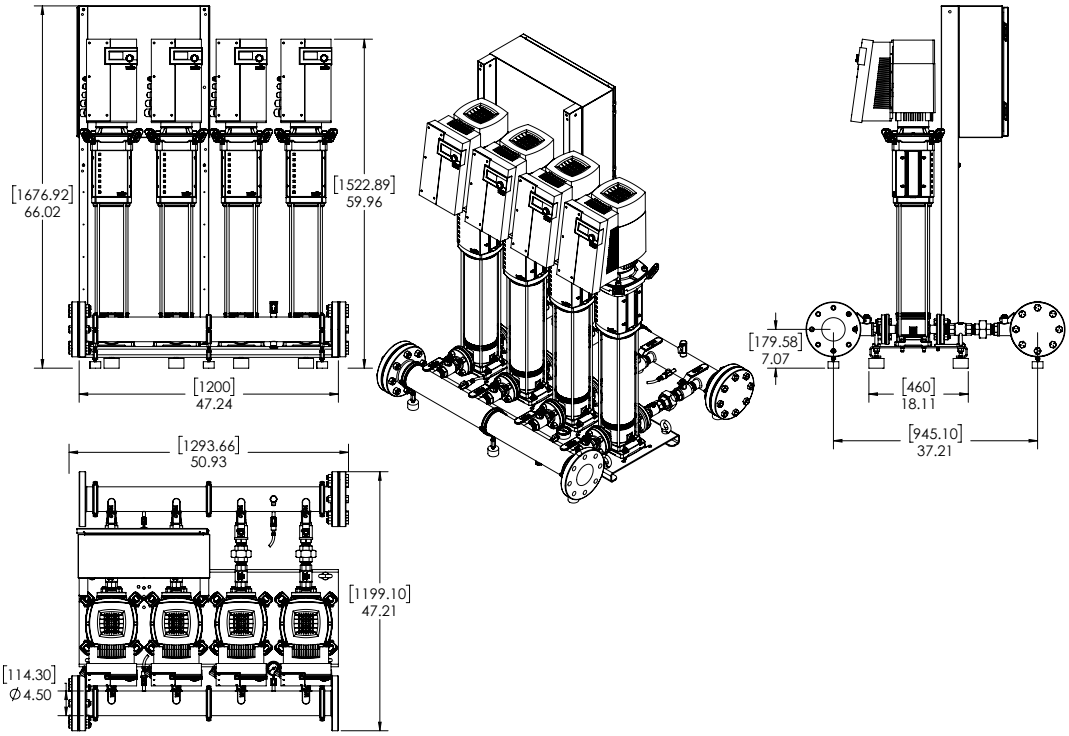
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-13-1/7.4/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-13-1/7.4/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	176	933

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-13-1/7.4/VCE	7.4	3	460 (±10%)	8.2	95.8	363

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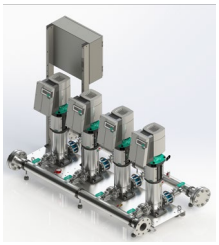
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-16-1/8.7/VCE

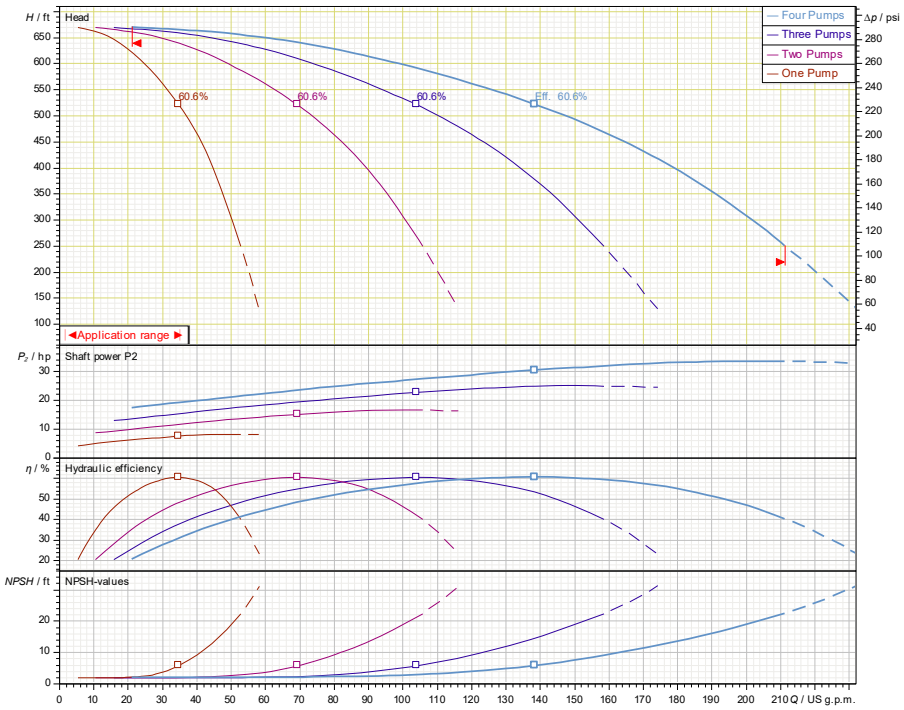


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-16-1/8.7/VCE				8.7			3600

Article Number: 2700998

SiBoost 4 EXCEL 30-16



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

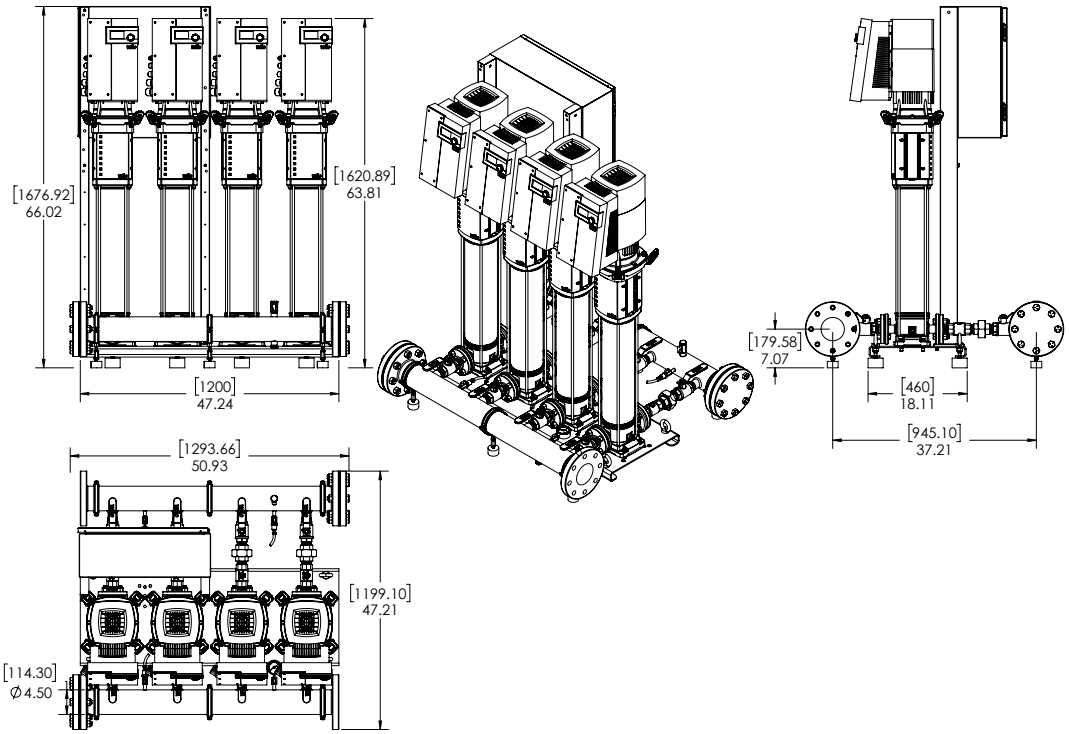
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-16-1/8.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-16-1/8.7/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	209	966

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-16-1/8.7/VCE	8.7	3	460 (±10%)	9.7	96.5	363

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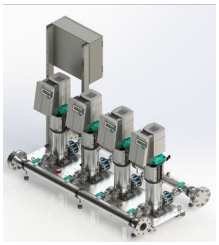
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-19-1/10.1/VCE

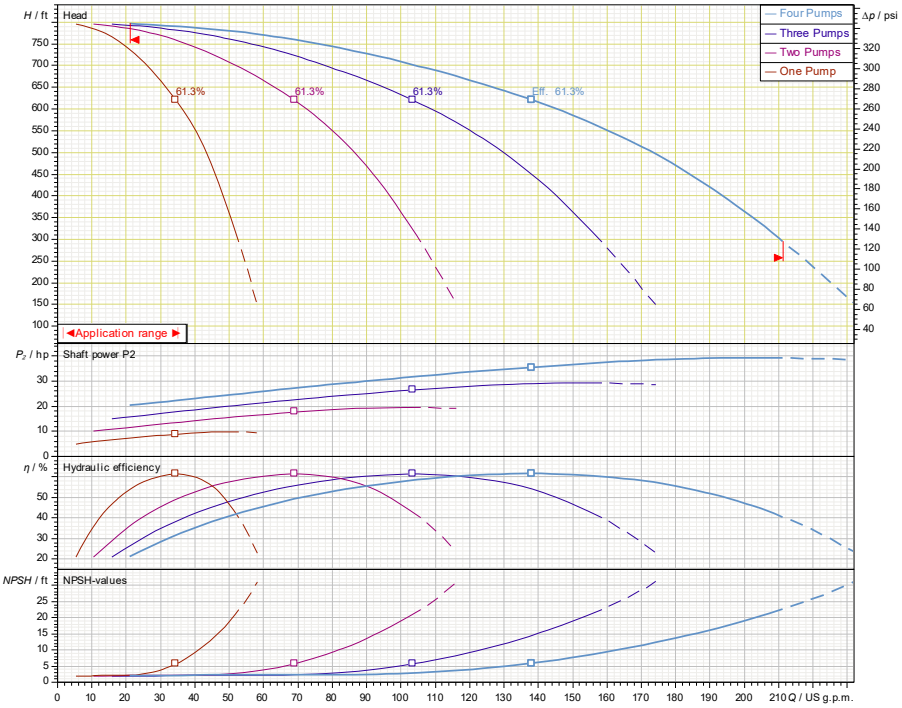


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V30-19-1/10.1/VCE				10.1			3600

Article Number: 2700999

SiBoost 4 EXCEL 30-19



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Steel Ball Valves
Suction/Discharge Manifolds	AISI304 Stainless Steel with Male Threaded System Connections
Check Valves	316 Stainless Steel, Non-slam, Plunger-type with EPDM seal
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI/363 (Depending on number of stages)

Technical Data - Panel

Power Supply	460V~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

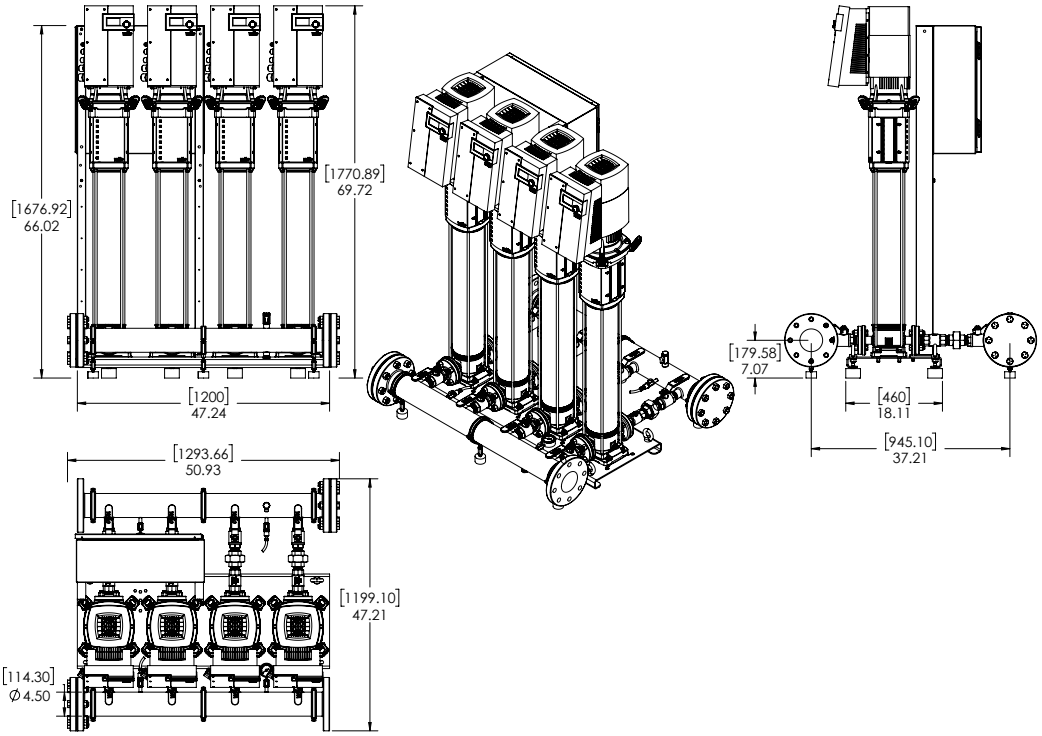
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V30-19-1/10.1/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V30-19-1/10.1/VCE	460 V	66	40	48-3/16	2-1/2" MNPT	1-1/4"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	216	973

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V30-19-1/10.1/VCE	10.1	3	460 (±10%)	10.9	95.4	363

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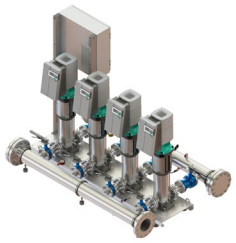
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-02-1/1.5/VCE

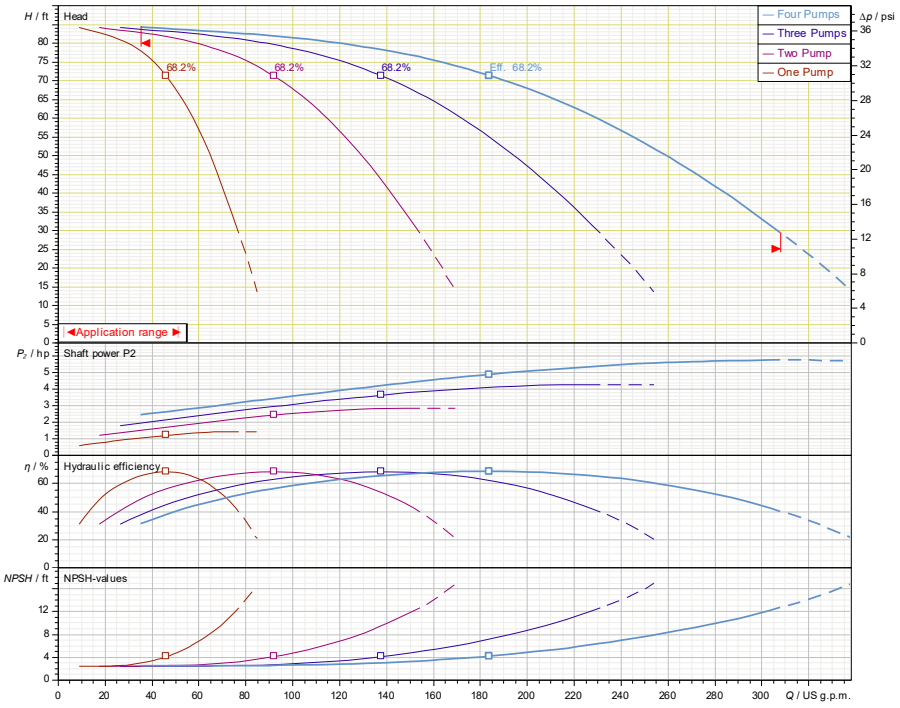


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-02-1/1.5/VCE				1.5			3600

Article Number: 2701014

SiBoost 4 EXCEL 50-02



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

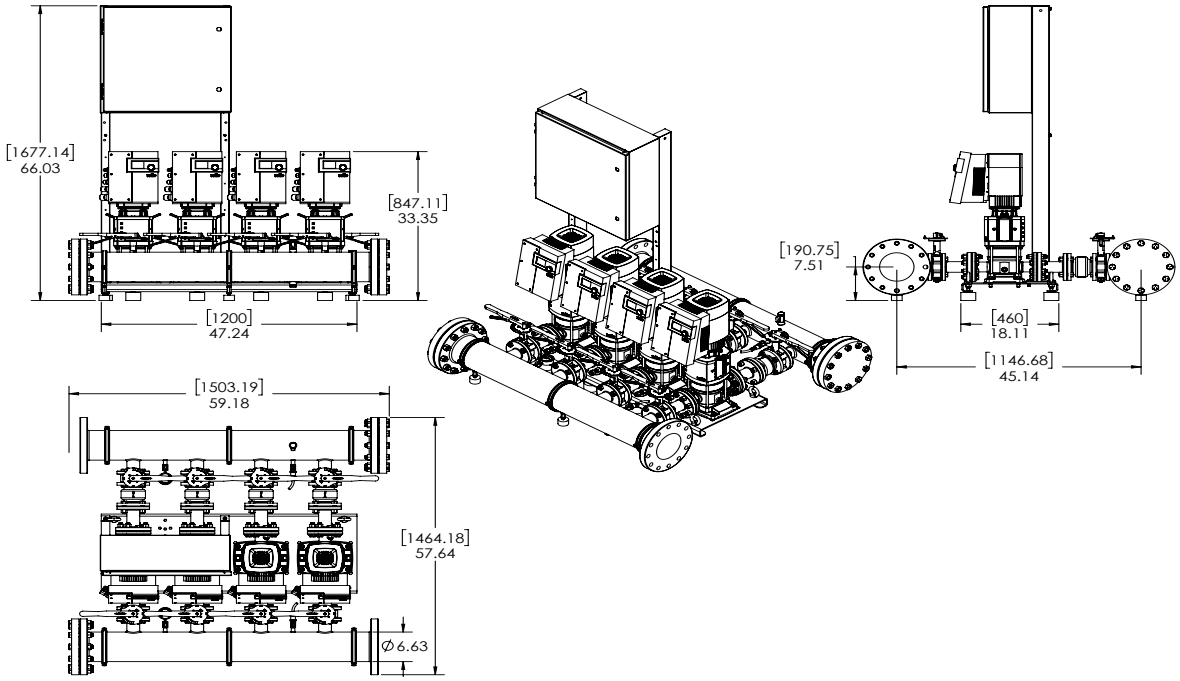
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-02-1/1.5/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-02-1/1.5/VCE	460 V	66	57-5/8	59-1/4	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	110	1,079

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-02-1/1.5/VCE	1.5	3	460 (±10%)	1.76	92	232

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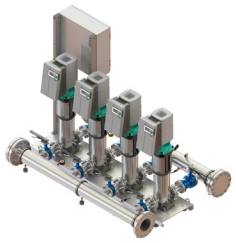
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-04-1/3/VCE

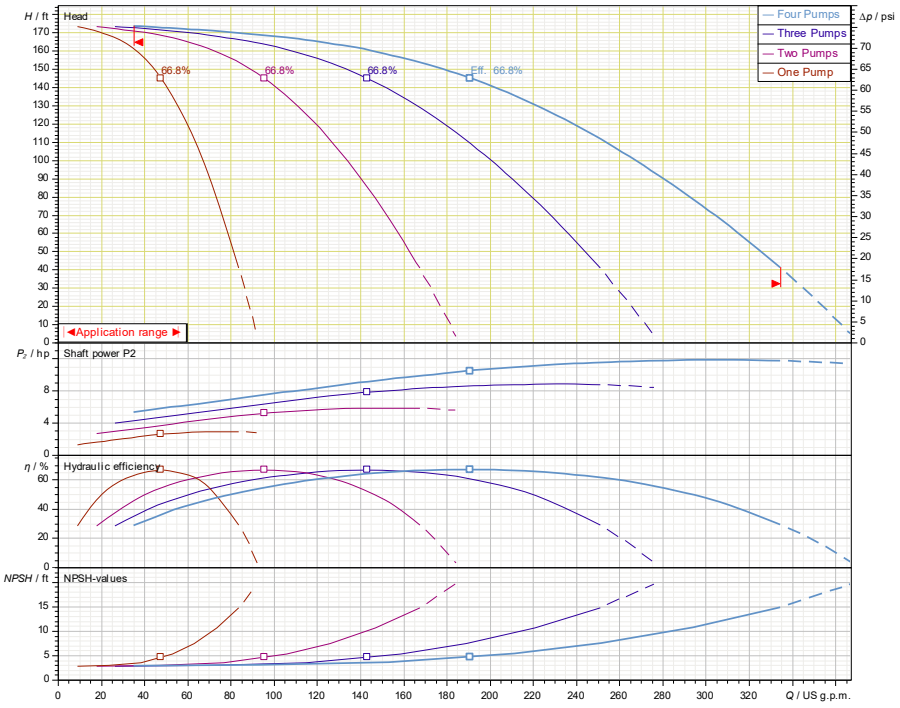


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-04-1/3/VCE				3			3600

Article Number: 2701015

SiBoost 4 EXCEL 50-04



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

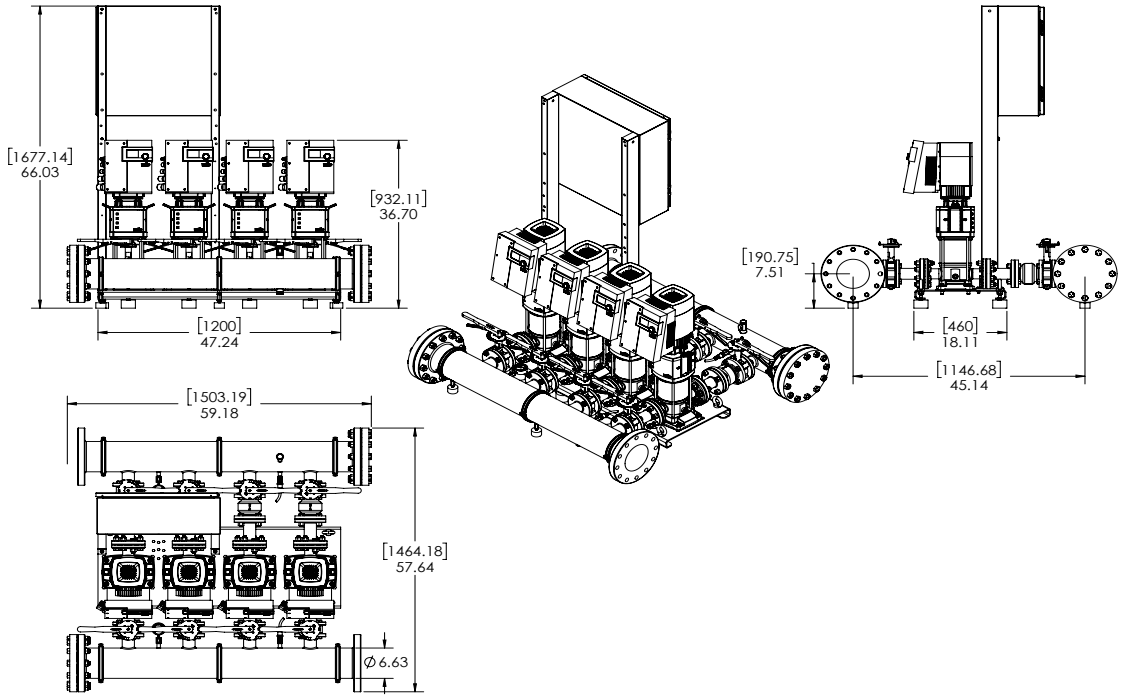
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-04-1/3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

					Dimensions-inches					Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-04-1/3/VCE	460 V	66	57-5/8	59-1/4	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	119	1,088

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-04-1/3/VCE	3	3	460 (±10%)	4.4	93	232

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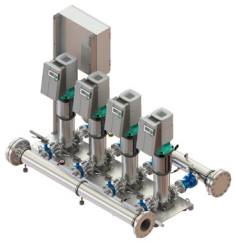
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-05-1/4.3/VCE

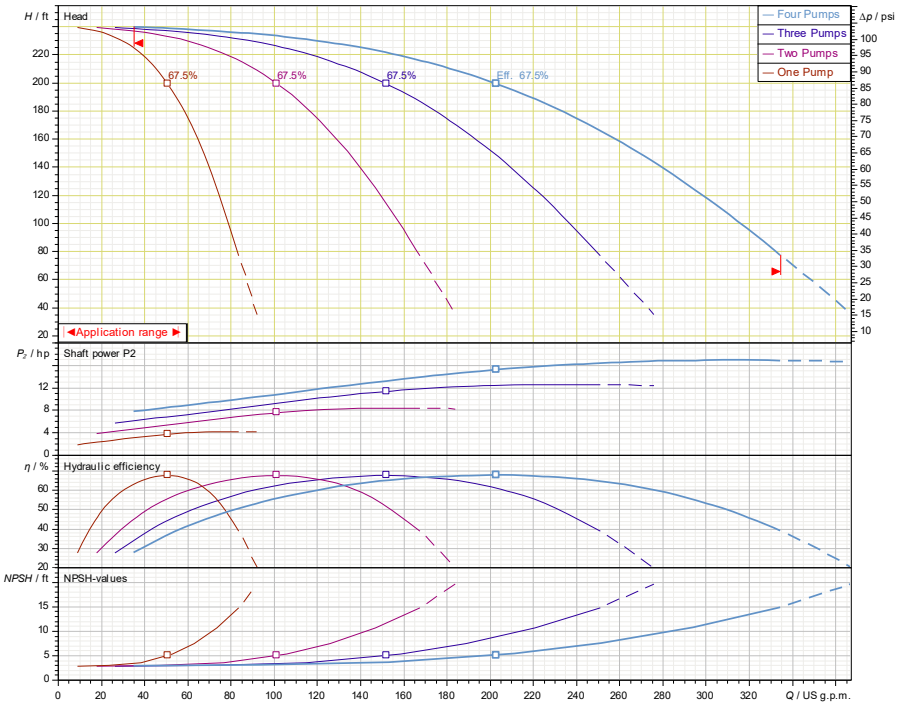


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-05-1/4.3/VCE				4.3			3600

Article Number: 2701016

SiBoost 4 EXCEL 50-05



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

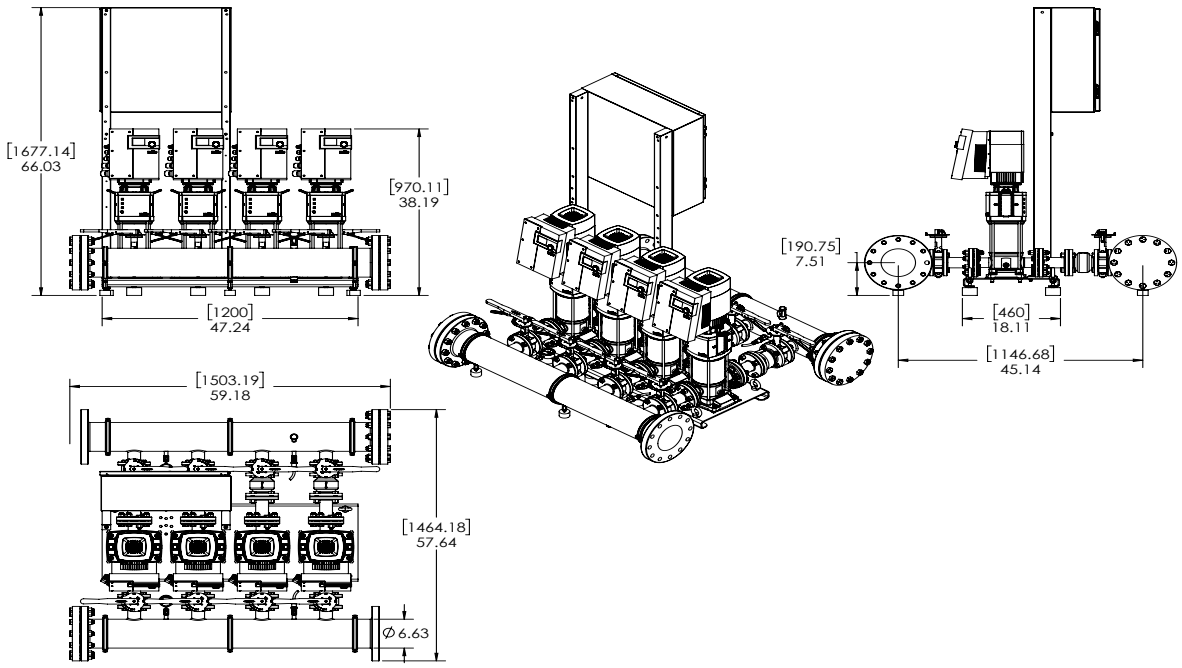
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-05-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-05-1/4.3/VCE	460 V	66	57-5/8	59-1/4	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	121	1,090

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-05-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	232

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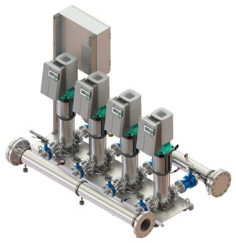
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-07-1/5.7/VCE

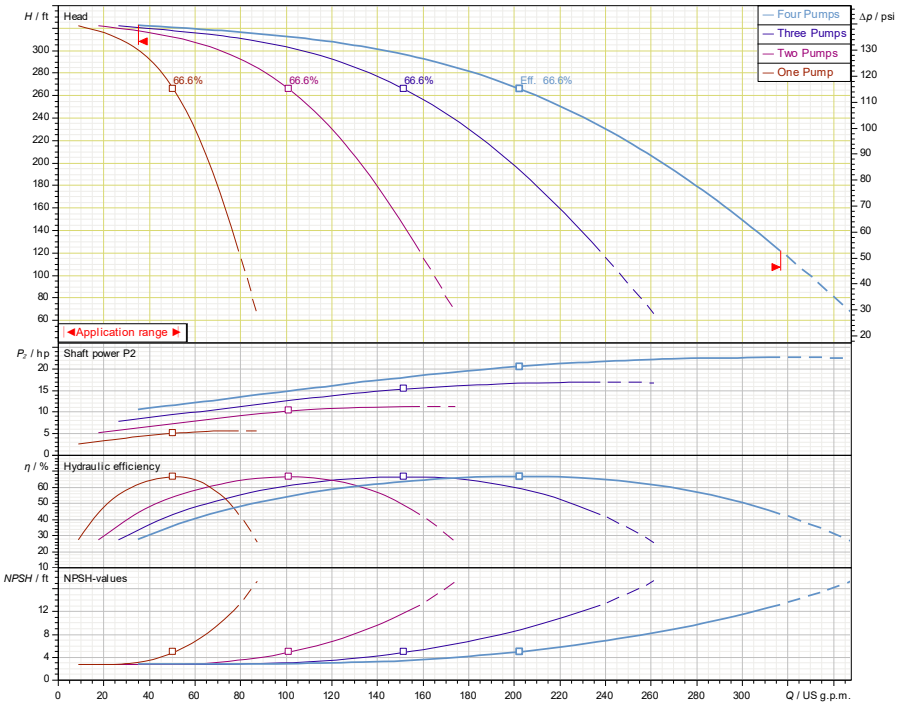


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-07-1/5.7/VCE				5.7			3600

Article Number: 2701017

SiBoost 4 EXCEL 50-07



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

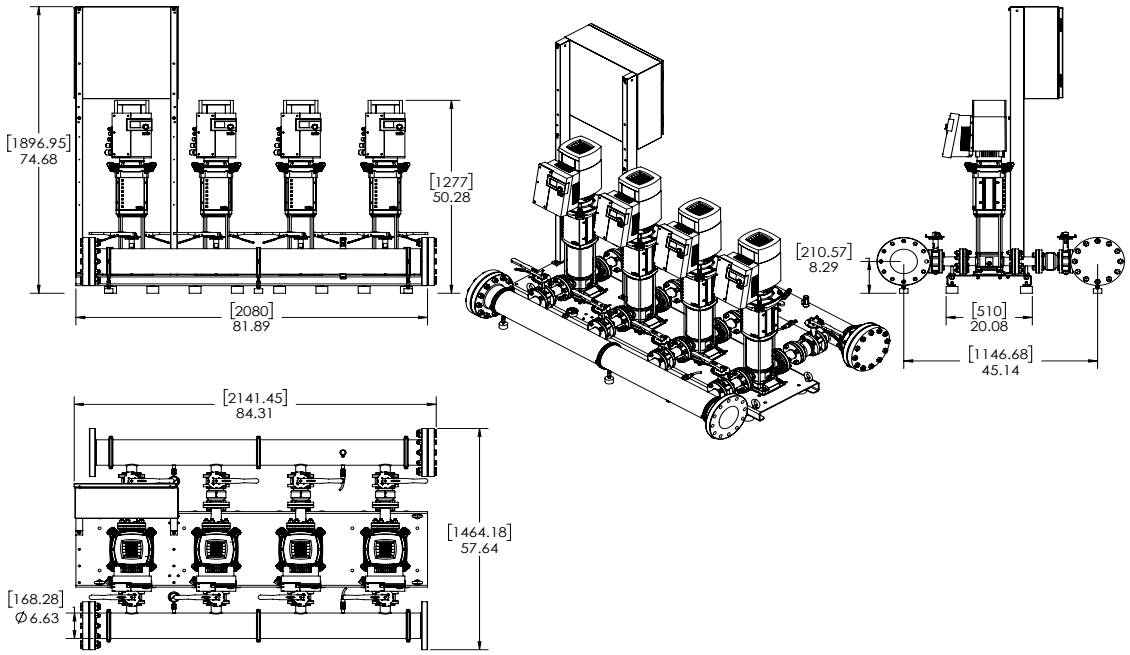
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-07-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-07-1/5.7/VCE	460 V	74-11/16	57-5/8	84-3/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	154	1,123

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-07-1/5.7/VCE	5.7	3	460 (±10%)	6.5	95.8	232

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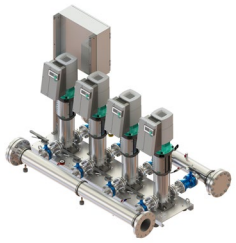
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-09-1/7.4/VCE

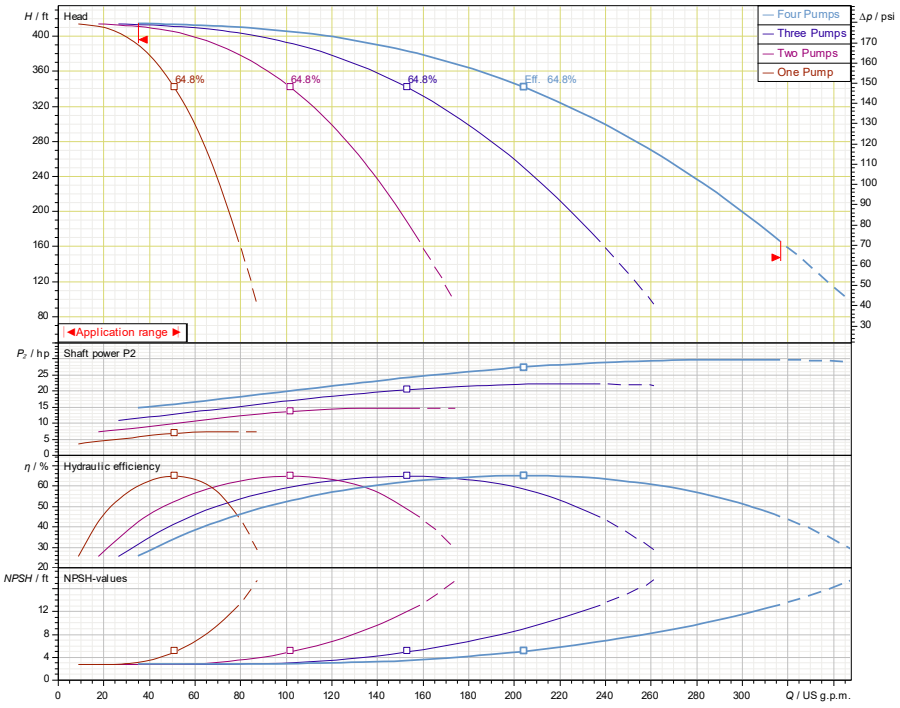


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-09-1/7.4/VCE				7.4			3600

Article Number: 2701018

SiBoost 4 EXCEL 50-09



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

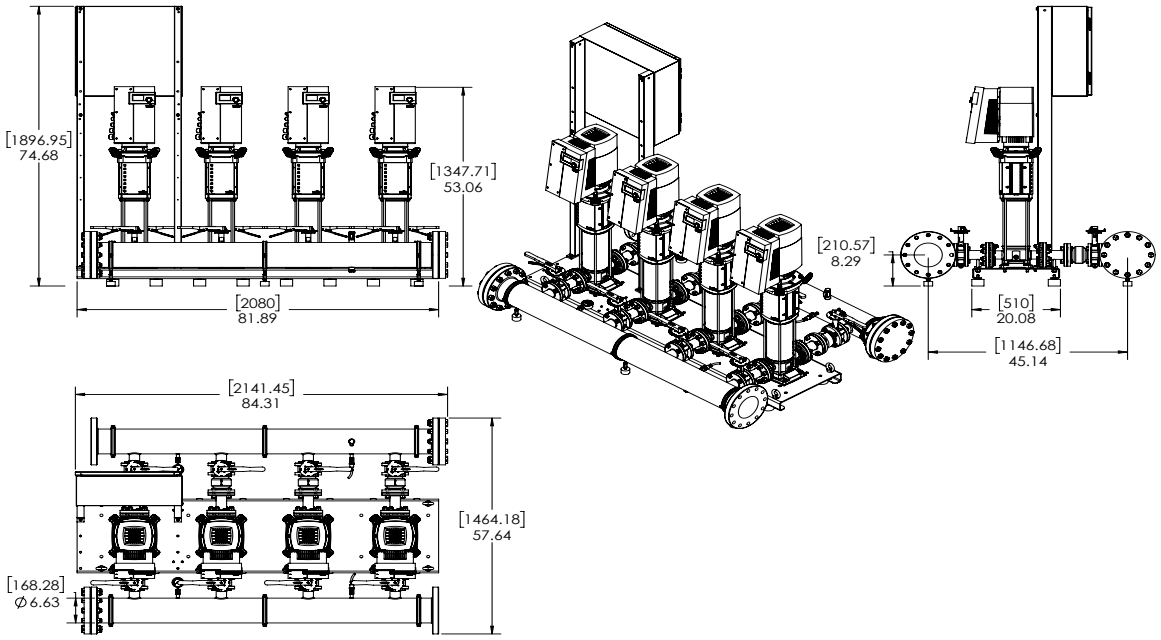
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-09-1/7.4/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-09-1/7.4/VCE	460 V	74-11/16	57-58	84-3/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	190	1,159

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-09-1/7.4/VCE	7.4	3	460 (±10%)	6.5	95.8	363

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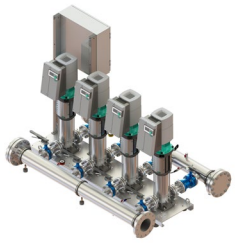
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-10-1/8.7/VCE

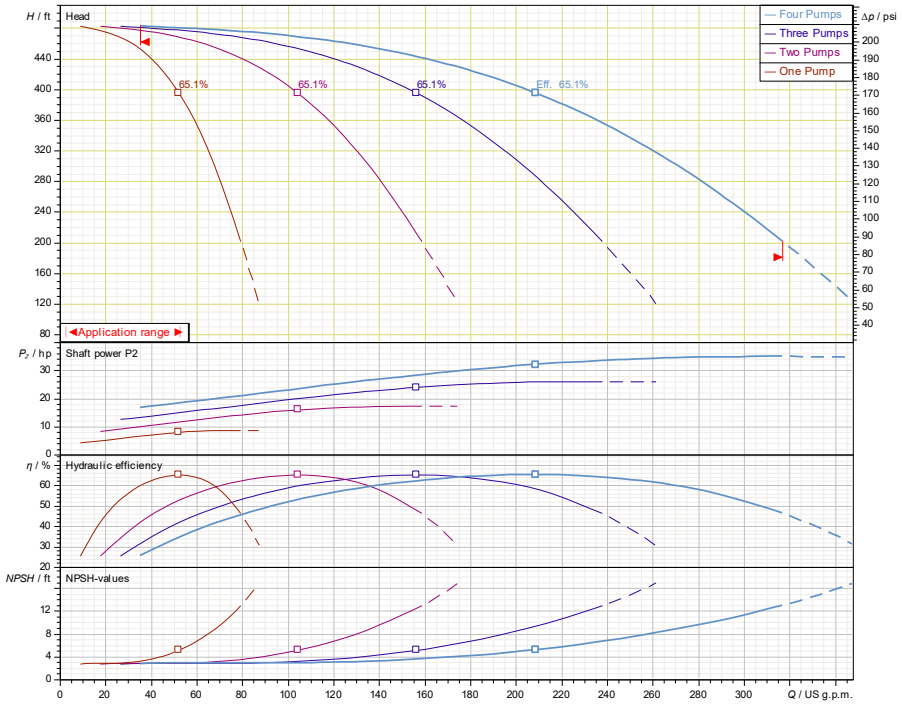


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-10-1/8.7/VCE				8.7			3600

Article Number: 2701019

SiBoost 4 EXCEL 50-10



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

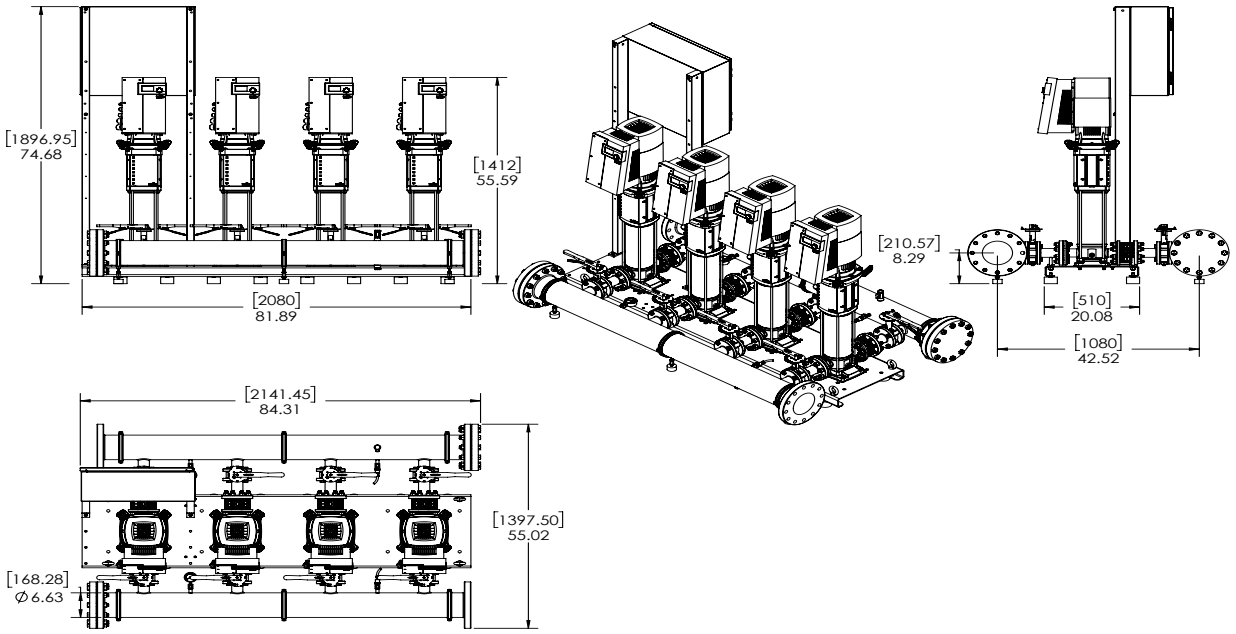
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-10-1/8.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-10-1/8.7/VCE	460 V	74-1/16	55	84-3/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	203	1,172

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-10-1/8.7/VCE	8.7	3	460 (±10%)	9.7	96.5	363

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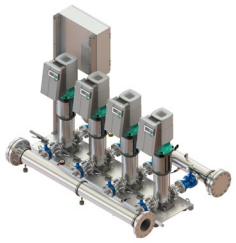
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-12-1/10.1/VCE

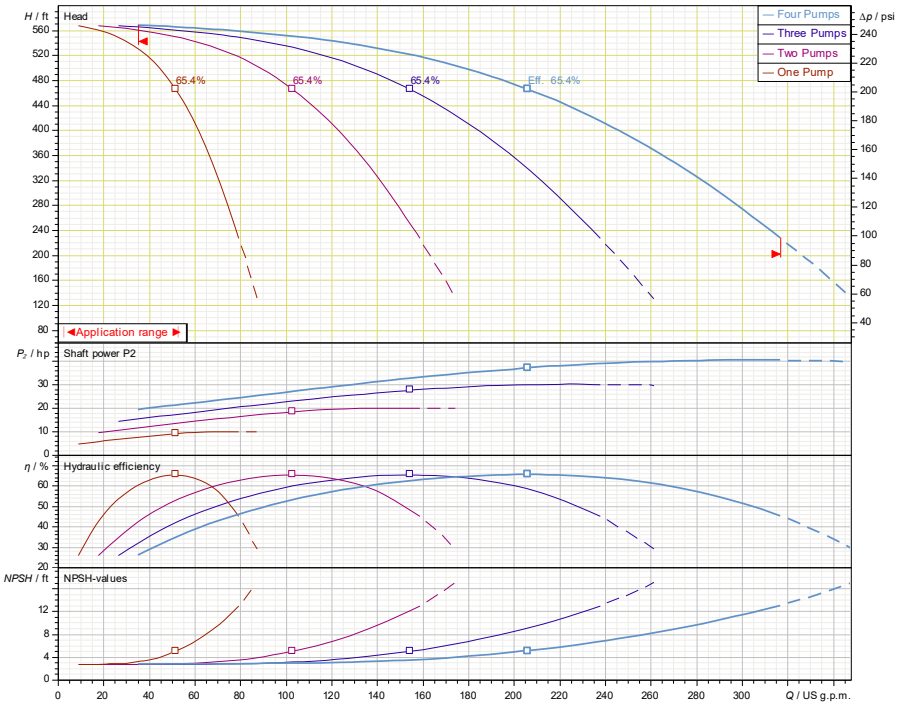


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V50-12-1/10.1/VCE				10.1			3600

Article Number: 2701020

SiBoost 4 EXCEL 50-12



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

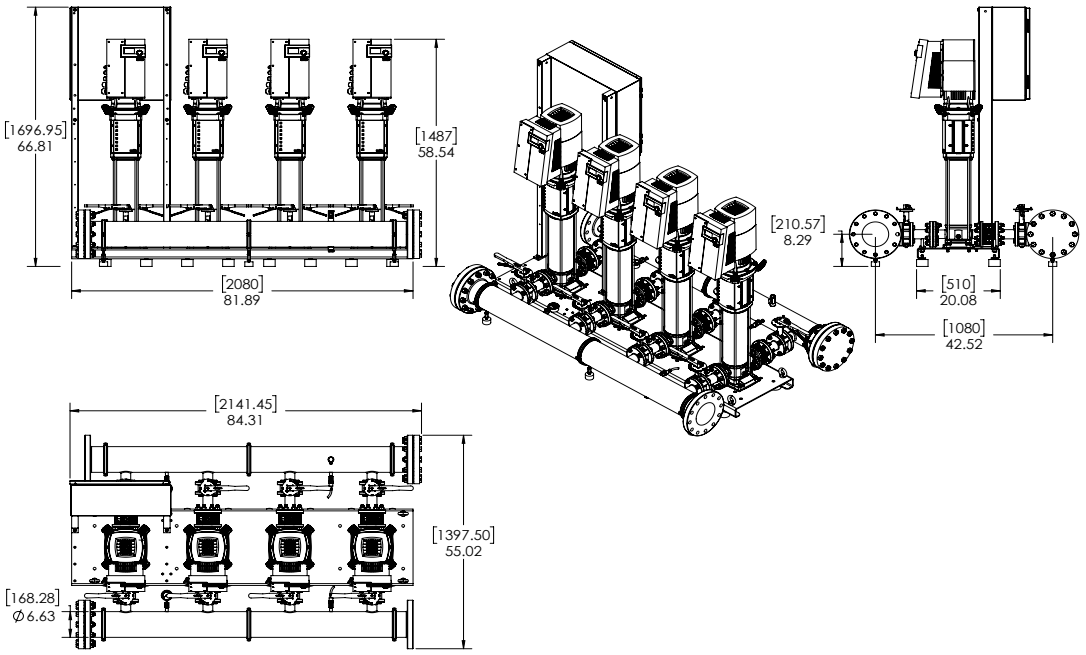
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V50-12-1/10.1/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V50-12-1/10.1/VCE	460 V	66-13/16	55	84-3/8	4" 300 Class ANSI Flanged	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	203	1,172

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V50-12-1/10.1/VCE	10.1	3	460 (±10%)	10.9	96.4	363

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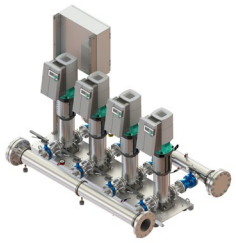
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-02-1/3/VCE

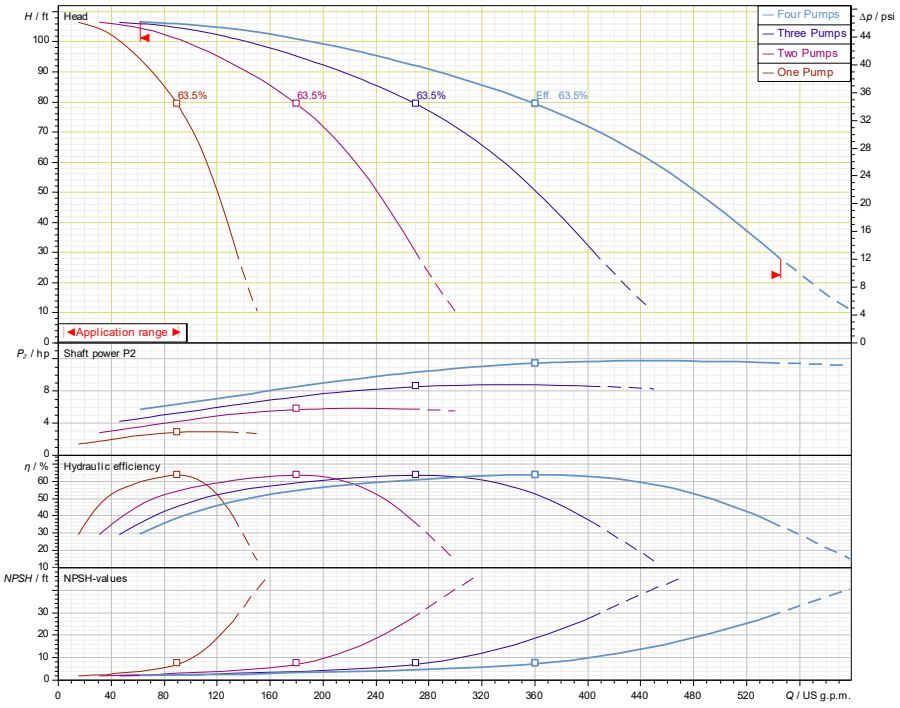


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-02-1/3/VCE				3			3600

Article Number: 2701033

SiBoost 4 EXCEL 80-02



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

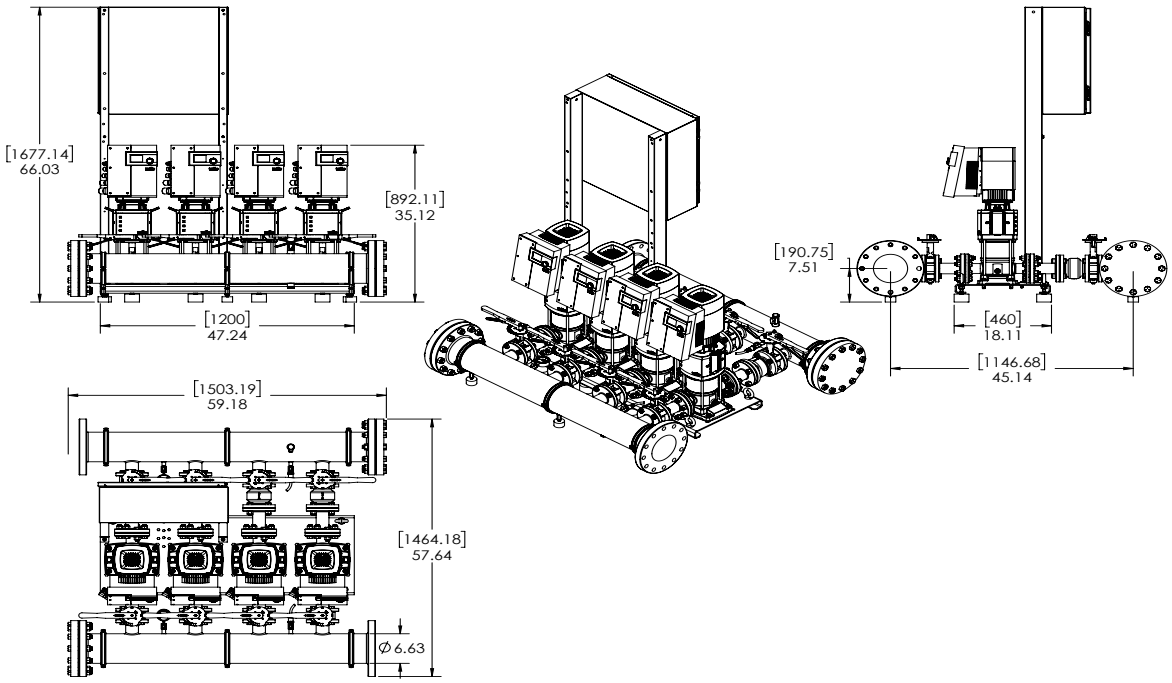
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-02-1/3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-02-1/3/VCE	460 V	66	57-5/8	58-1/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	124	1,251

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-02-1/3/VCE	3	3	460 (±10%)	4.4	93	232

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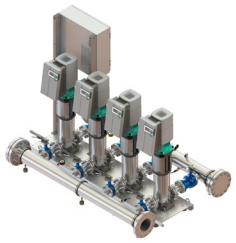
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-03-1/4.3/VCE

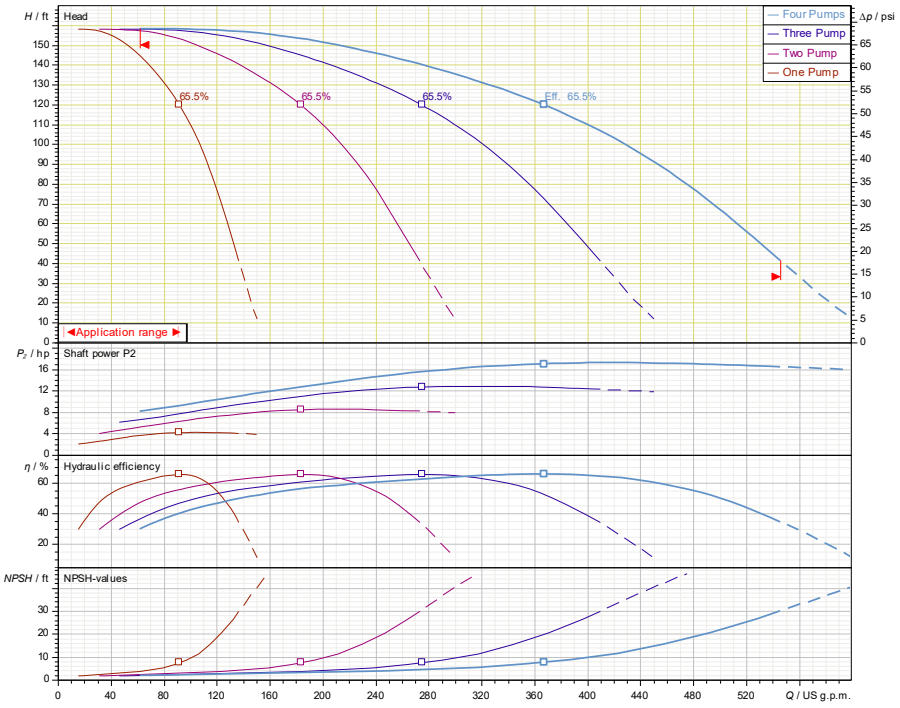


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-03-1/4.3/VCE				4.3			3600

Article Number: 2701034

SiBoost 4 EXCEL 80-03



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

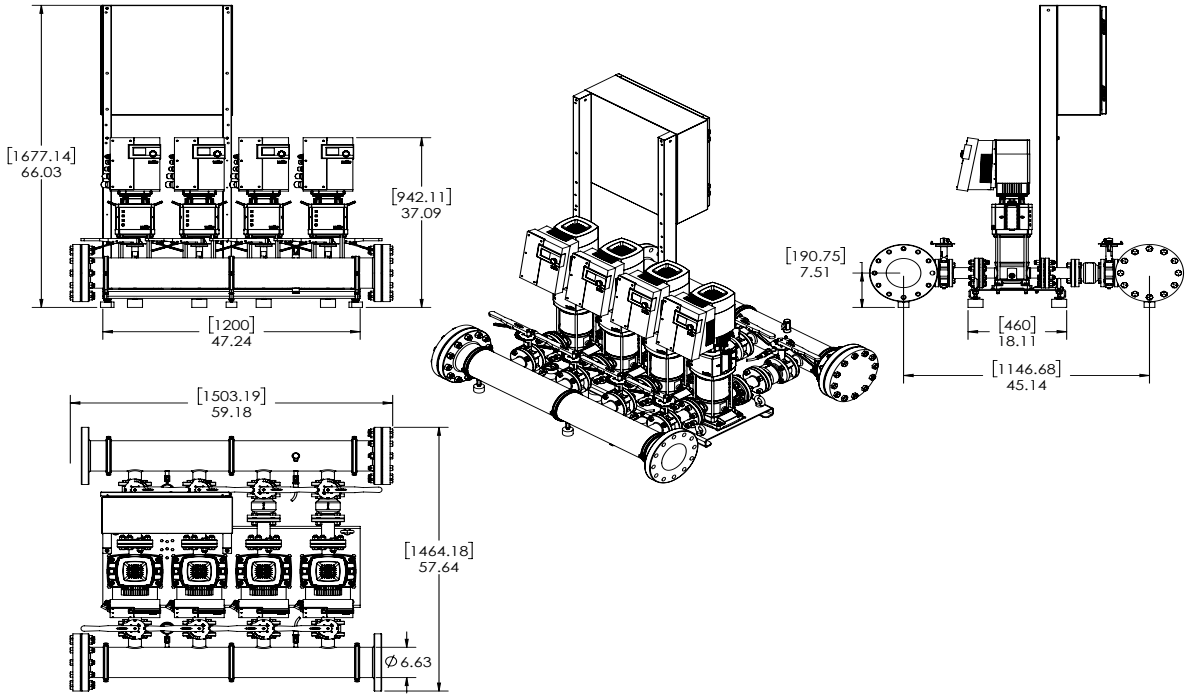
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-03-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-03-1/4.3/VCE	460 V	66	57-5/8	59-1/4	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	126	1,253

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-03-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	232

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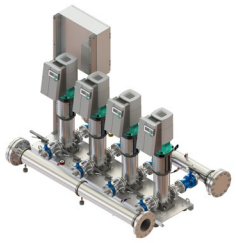
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-04-1/5.7/VCE

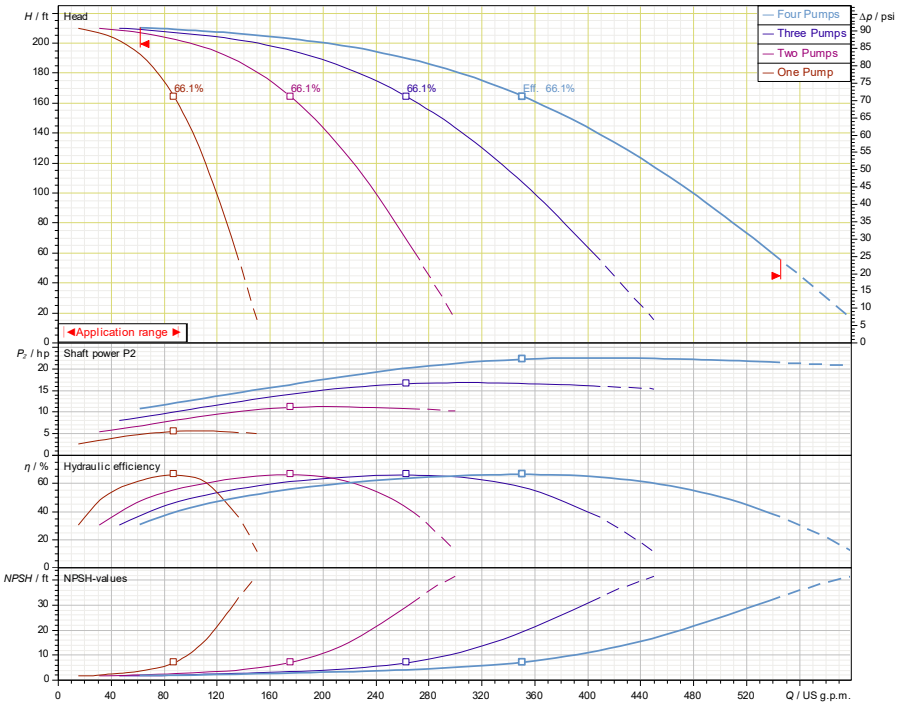


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-04-1/5.7/VCE				5.7			3600

Article Number: 2701035

SiBoost 4 EXCEL 80-04



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

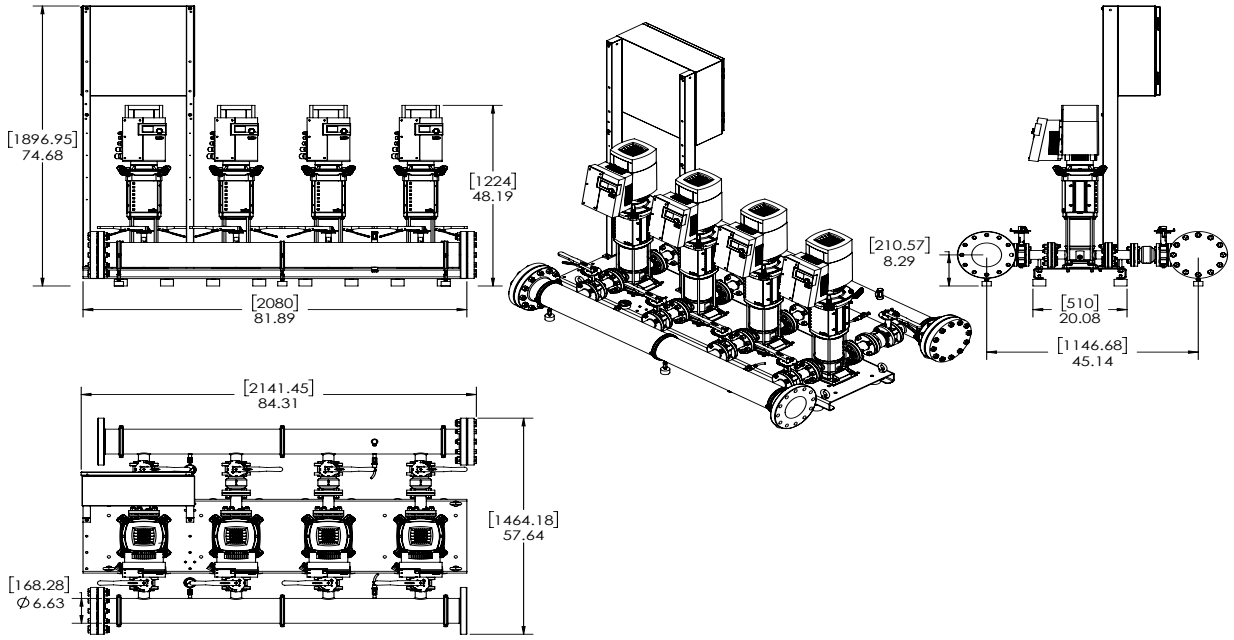
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-04-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-04-1/5.7/VCE	460 V	74-11/16	35-5/8	84-1/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	157	1,284

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-04-1/5.7/VCE	4.3	3	460 (±10%)	6.0	93	232

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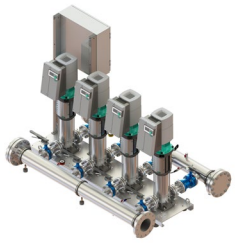
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-05-1/7.4/VCE

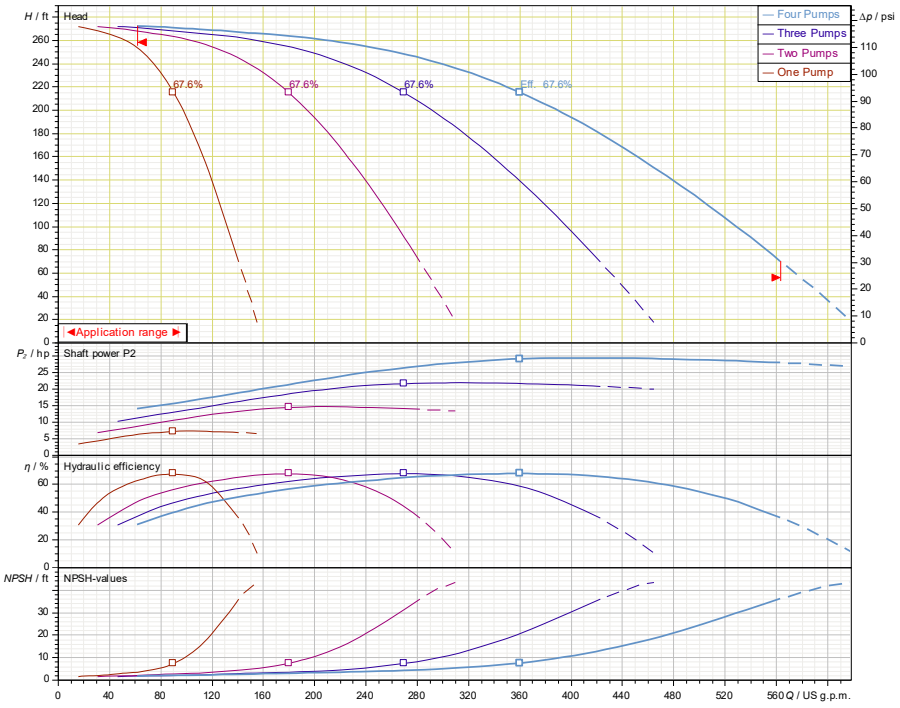


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-05-1/7.4/VCE				7.4			3600

Article Number: 2701036

SiBoost 4 EXCEL 80-05



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

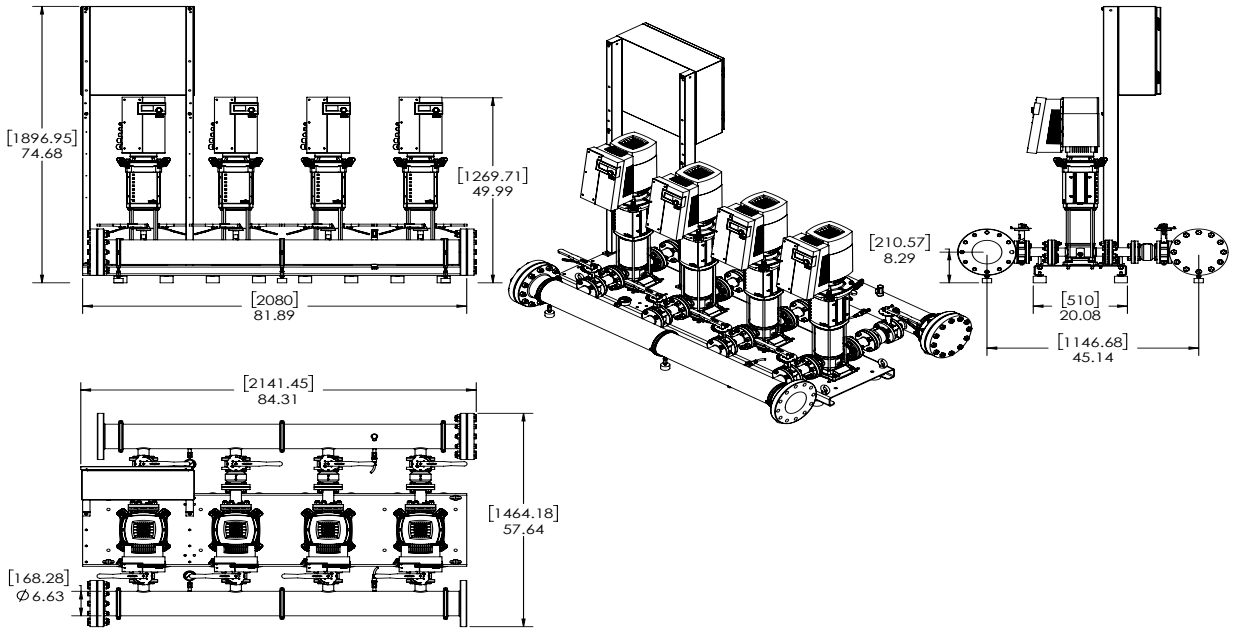
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-05-1/7.4/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-05-1/7.4/VCE	460 V	74-11/16	35-5/8	84-1/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	187	1,314

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-05-1/7.4/VCE	7.4	3	460 (±10%)	8.2	95.8	232

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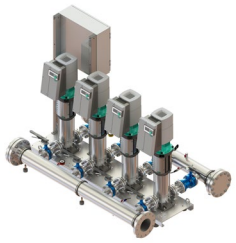
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-06-1/8.7/VCE

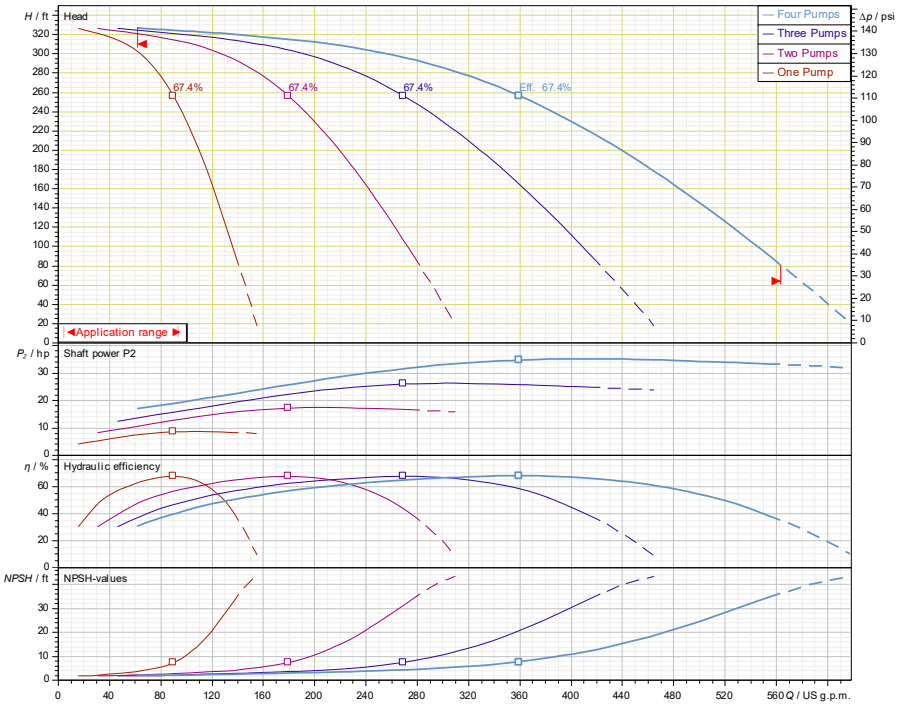


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-06-1/8.7/VCE				8.7			3600

Article Number: 2701037

SiBoost 4 EXCEL 80-06



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

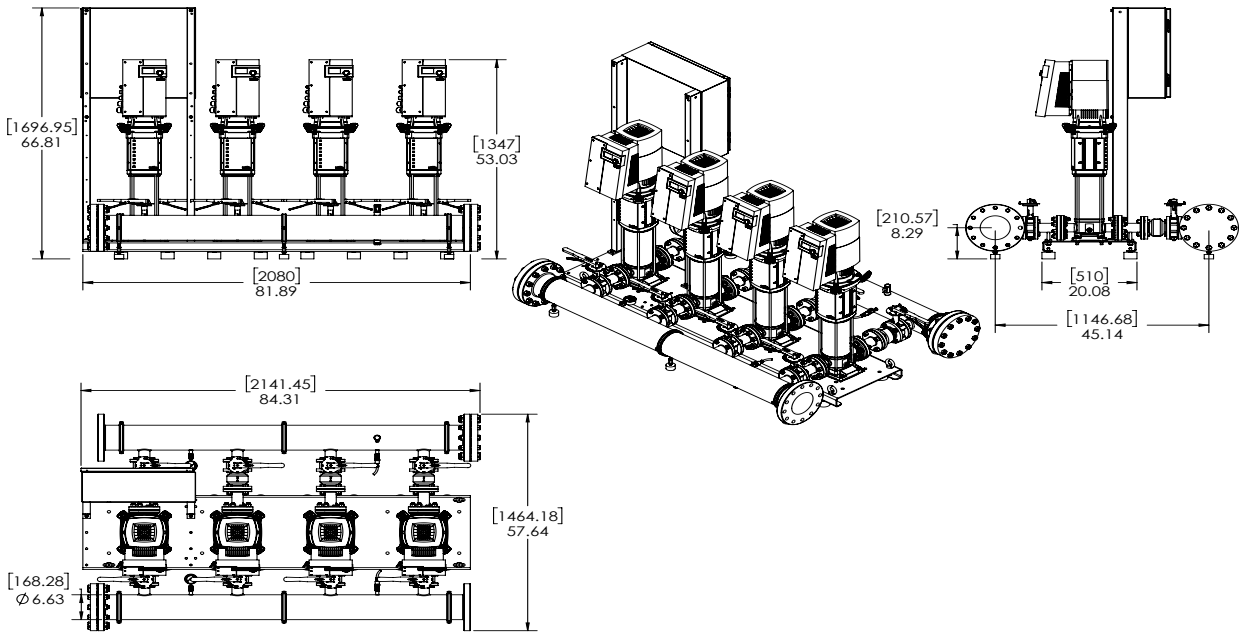
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-06-1/8.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-06-1/8.7/VCE	460 V	66-13/16	57-5/8	83-3/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	203	1,330

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-06-1/8.7/VCE	8.7	3	460 (±10%)	8.2	96.5	232

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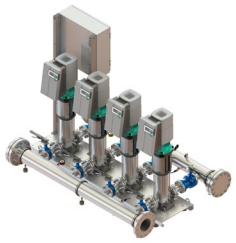
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-07-1/10.1/VCE

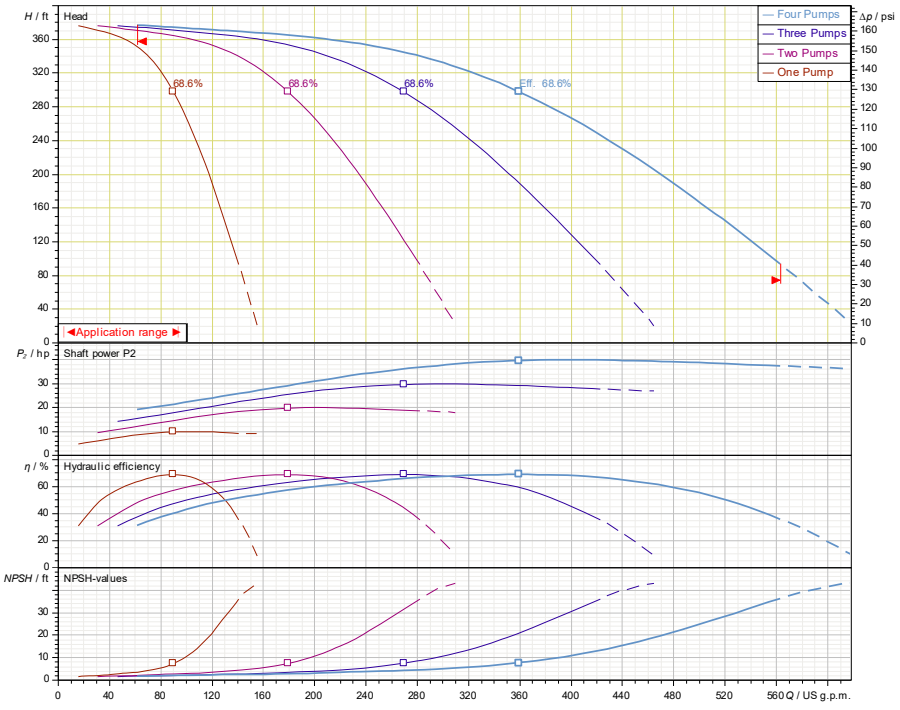


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V80-07-1/10.1/VCE				10.1			3600

Article Number: 2701038

SiBoost 4 EXCEL 80-07



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with ANSI Flanged System Connections
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

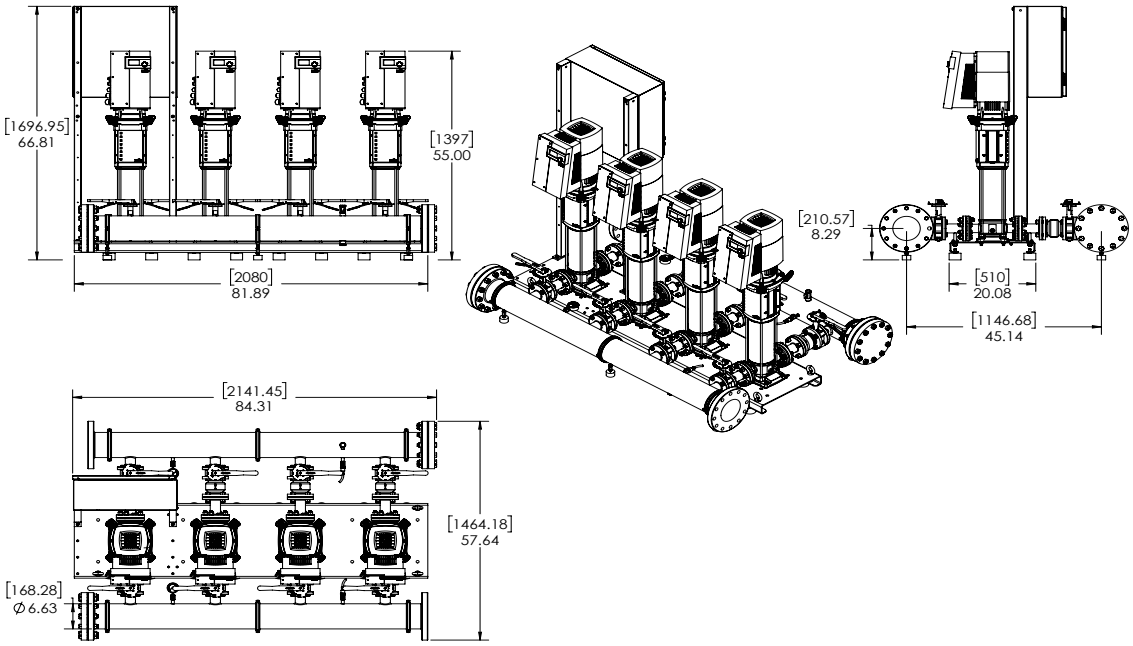
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V80-07-1/10.1/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V80-07-1/10.1/VCE	460 V	66-13/16	57-5/8	84-3/8	6" 300 Class ANSI Flanges	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	205	1,332

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V80-07-1/10.1/VCE	10.1	3	460 (±10%)	10.9	96.5	363

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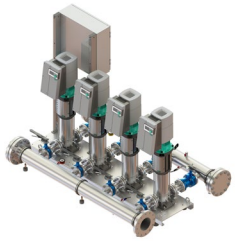
info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-01-1/3/VCE

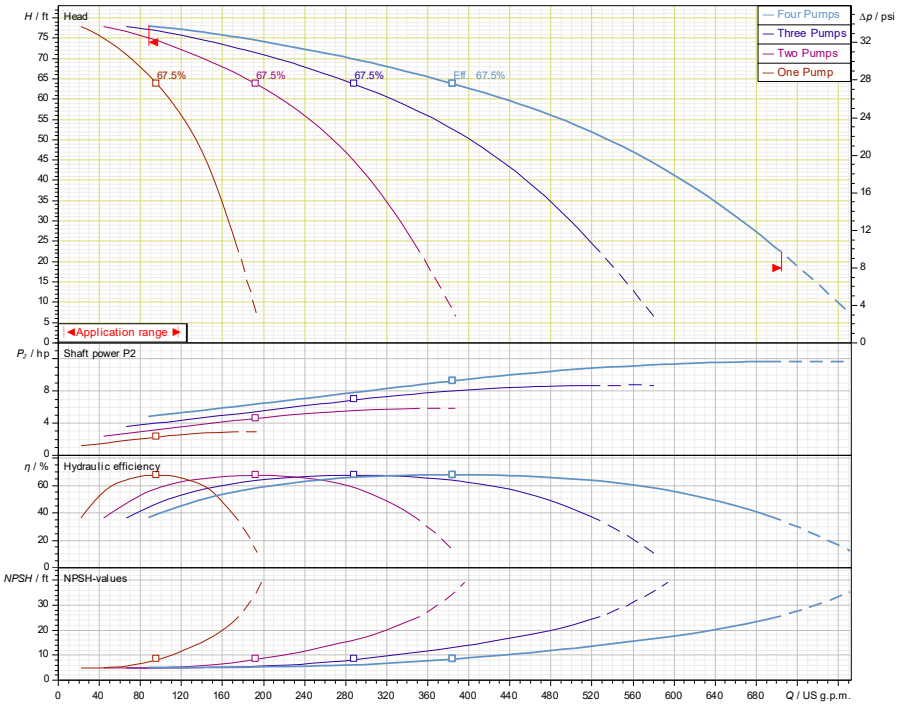


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-01-1/3/VCE				3			3600

Article Number: 2701051

SiBoost 4 EXCEL 110-01



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

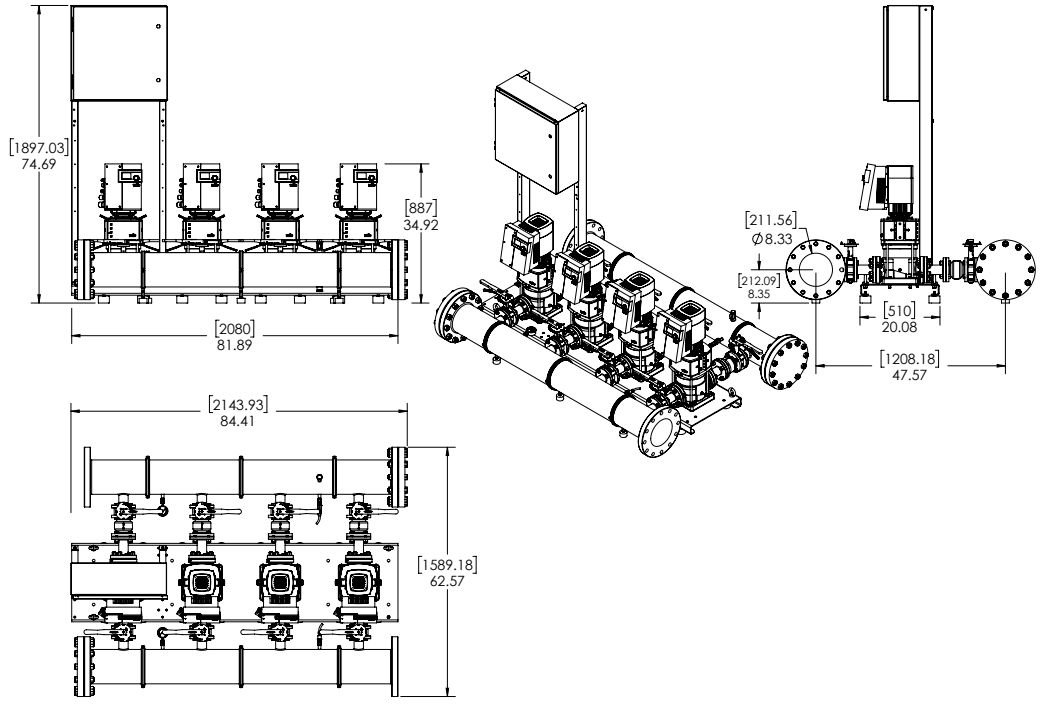
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-01-1/3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-01-1/3/VCE	460 V	74-11/16	62-5/8	84-3/8	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	150	1,387

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-01-1/3/VCE	3	3	460 (±10%)	4.4	93	232

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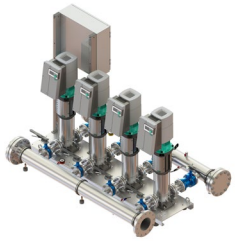
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-02-1/4.3/VCE

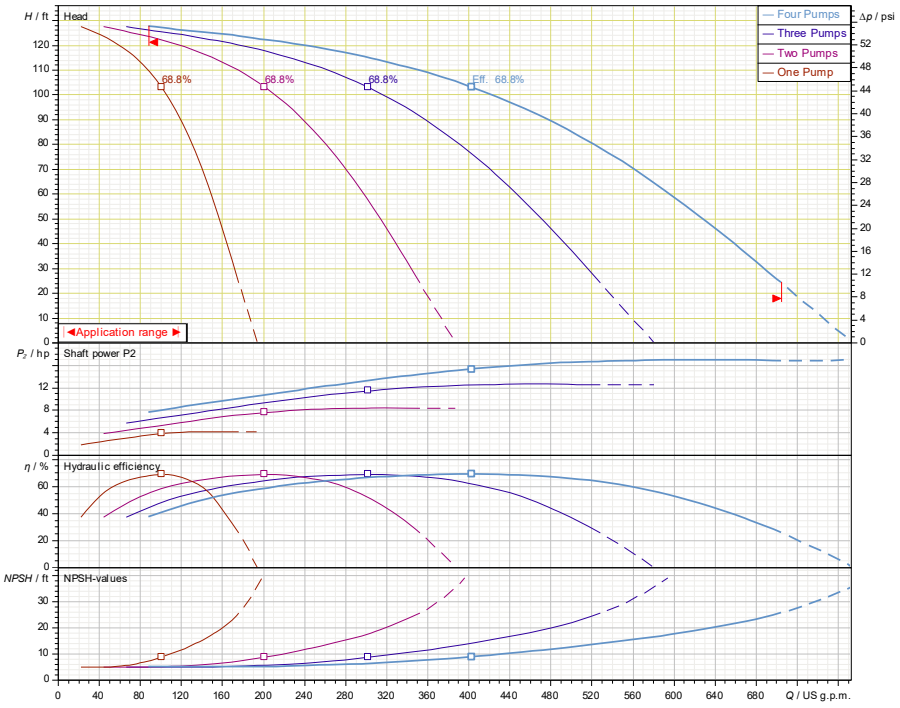


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-02-1/4.3/VCE				4.3			3600

Article Number: 2701052

SiBoost 4 EXCEL 110-02



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

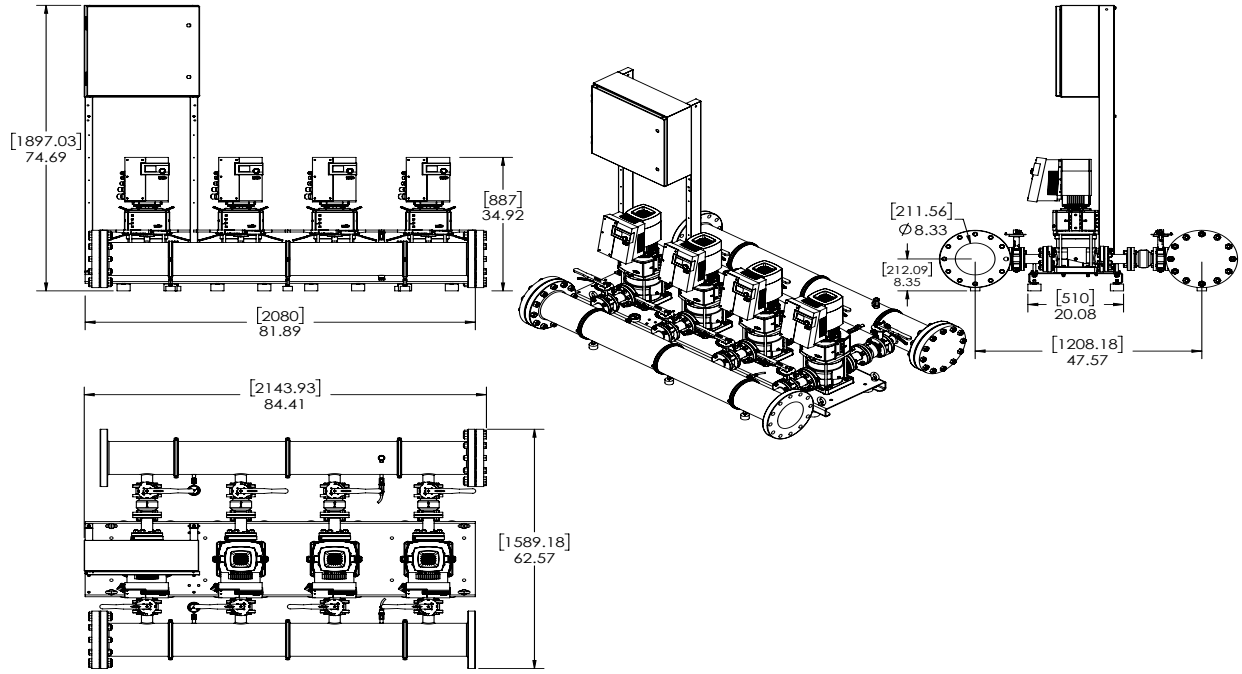
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-02-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-02-1/4.3/VCE	460 V	74-11/16	62-5/8	84-1/2	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	170	1,407

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-02-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	232

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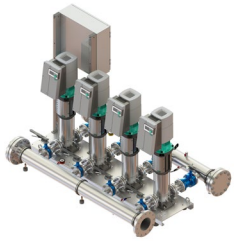
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/5.7/VCE

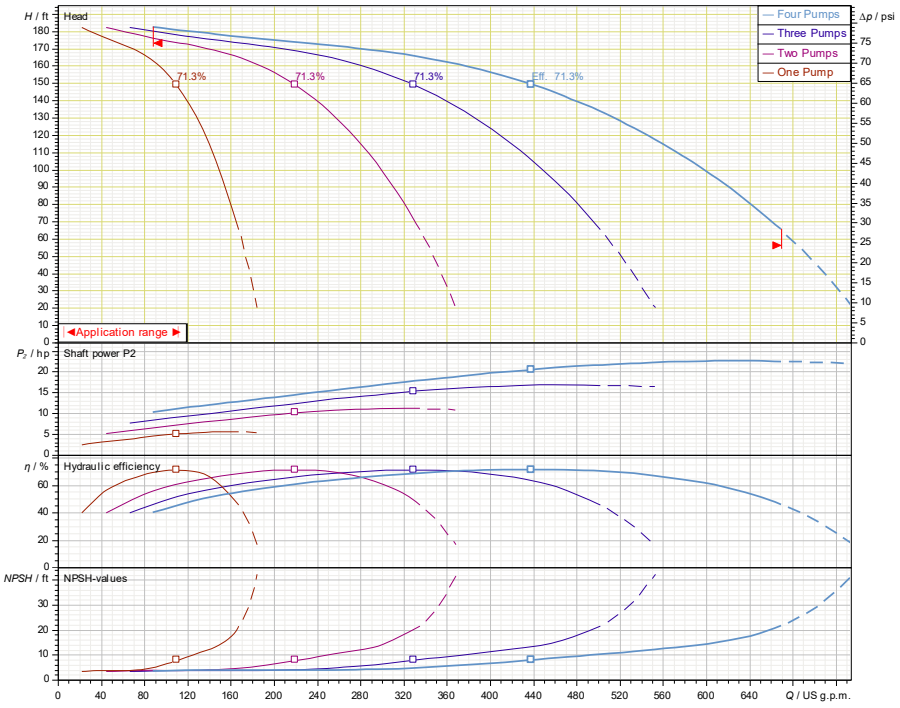


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-03-1/5.7/VCE				5.7			3600

Article Number: 2701053

SiBoost 4 EXCEL 110-03/5.7



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

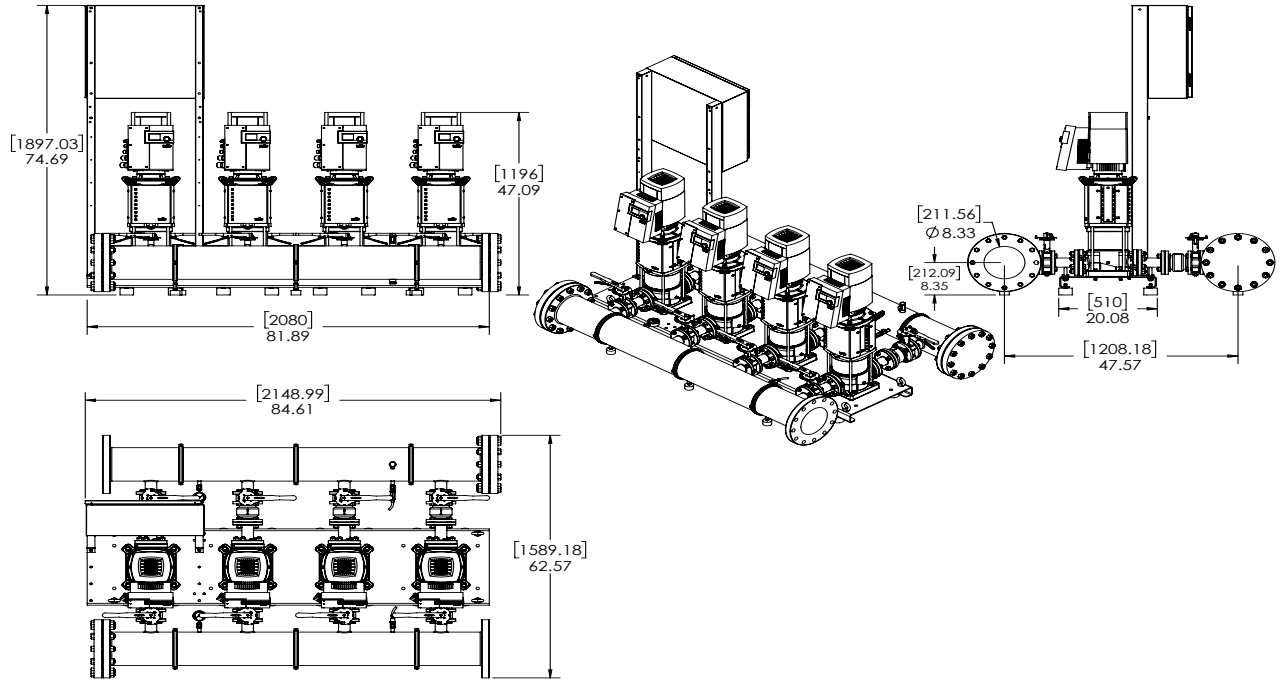
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-03-1/5.7/VCE	460 V	74-11/16	62-3/16	84-5/8	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	185	1,422

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-03-1/5.7/VCE	5.7	3	460 (±10%)	6.5	95.8	232

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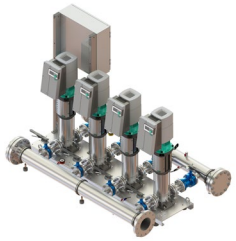
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/7.4/VCE

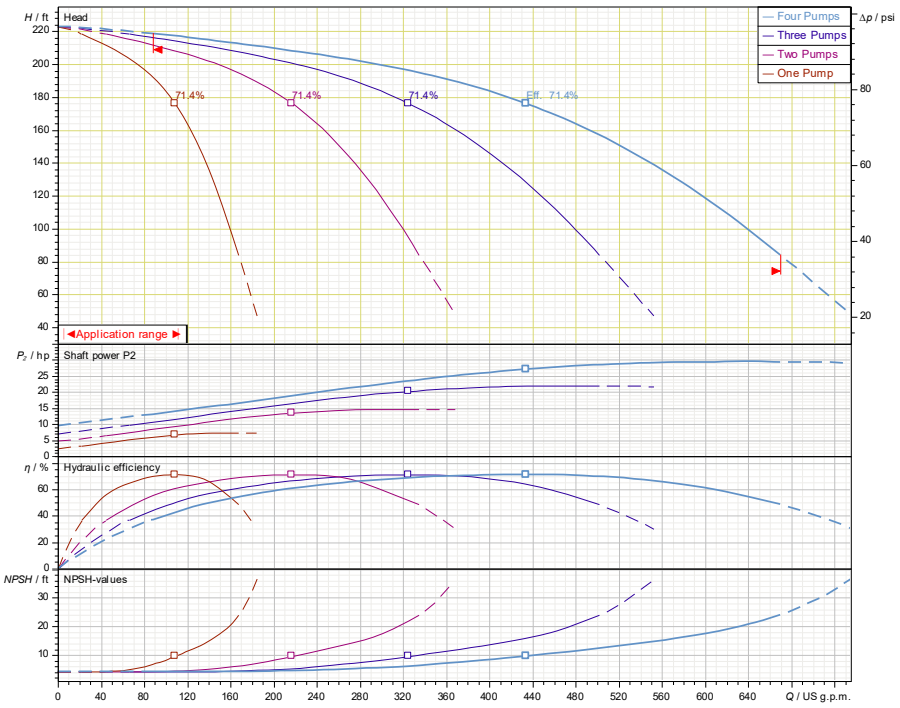


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-03-1/7.4/VCE				7.4			3600

Article Number: 2701054

SiBoost 4 EXCEL 110-03/7.5



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

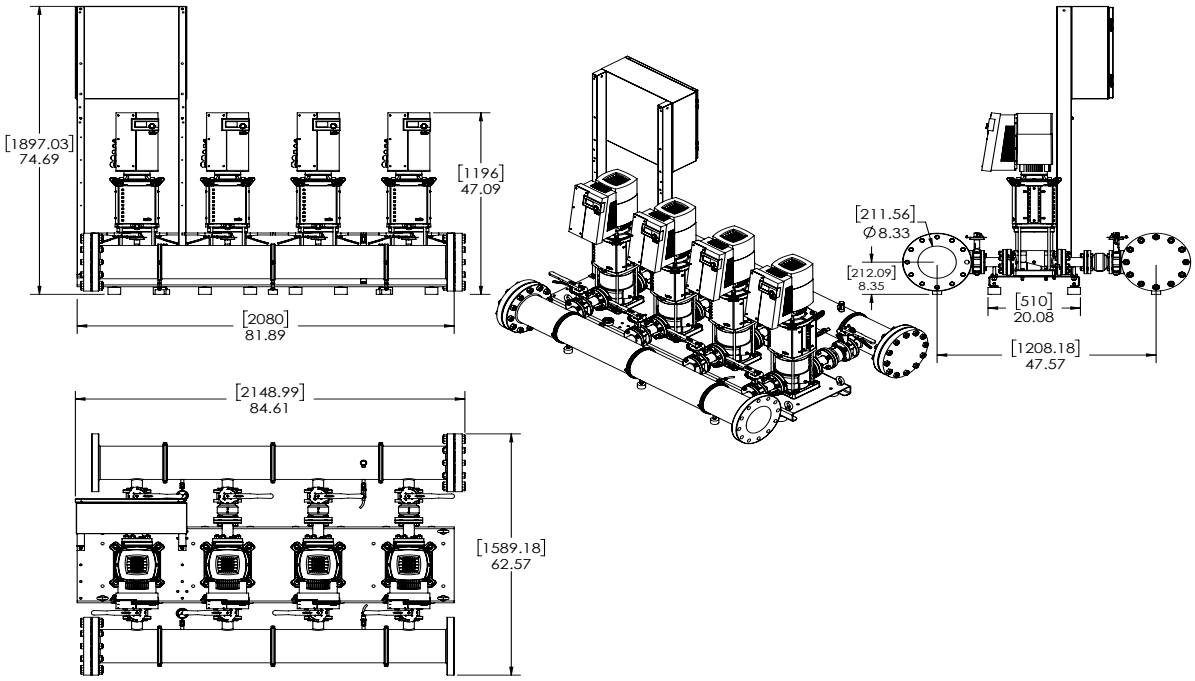
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/7.4/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-03-1/7.4/VCE	460 V	74-11/16	62-5/8	84-5/8	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	214	1,451

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-03-1/7.4/VCE	7.4	3	460 (±10%)	8.2	95.8	232

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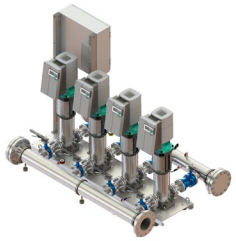
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/8.7/VCE

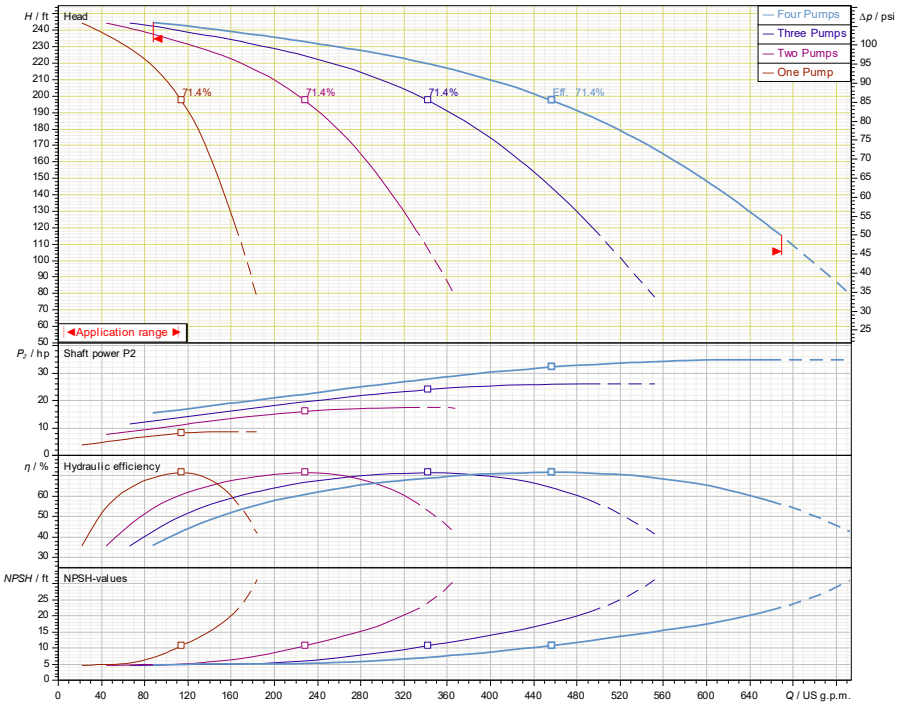


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-03-1/8.7/VCE				8.7			3600

Article Number: 2701055

SiBoost 4 EXCEL 110-03/8.8



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

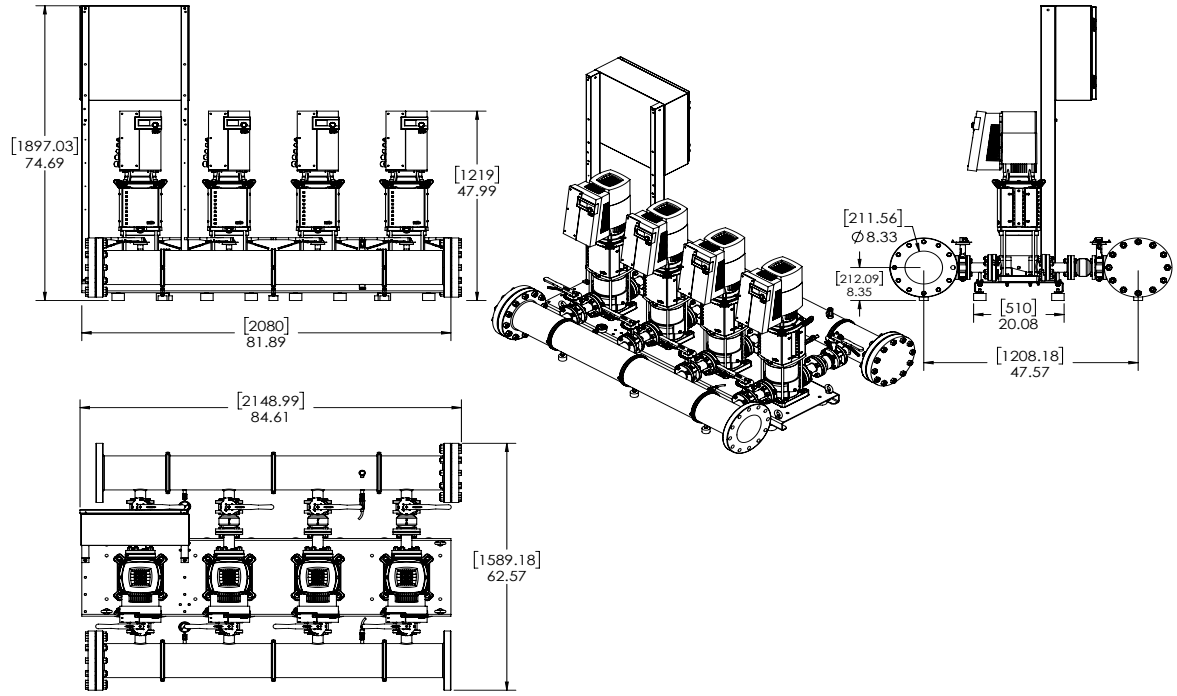
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-03-1/8.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-03-1/8.7/VCE	460 V	74-11/16	62-5/8	84-5/8	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	221	1,458

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-03-1/8.7/VCE	8.7	3	460 (±10%)	9.7	96.5	232

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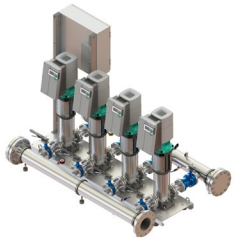
Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-04-1/10.1/VCE

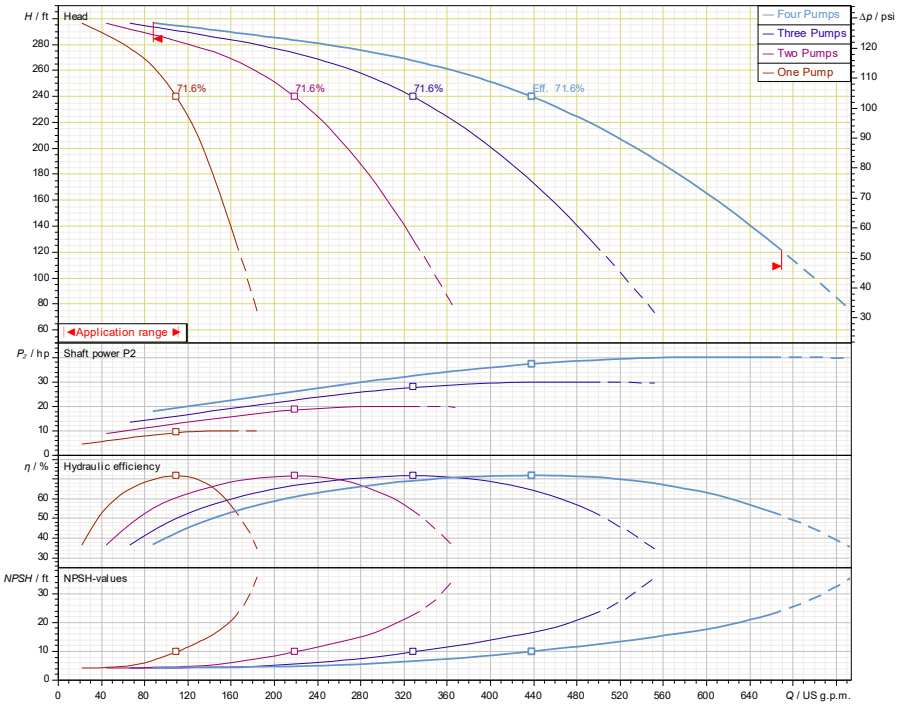


Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V110-04-1/10.1/VCE				10.1			3600

Article Number: 2701056

SiBoost 4 EXCEL 110-04



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

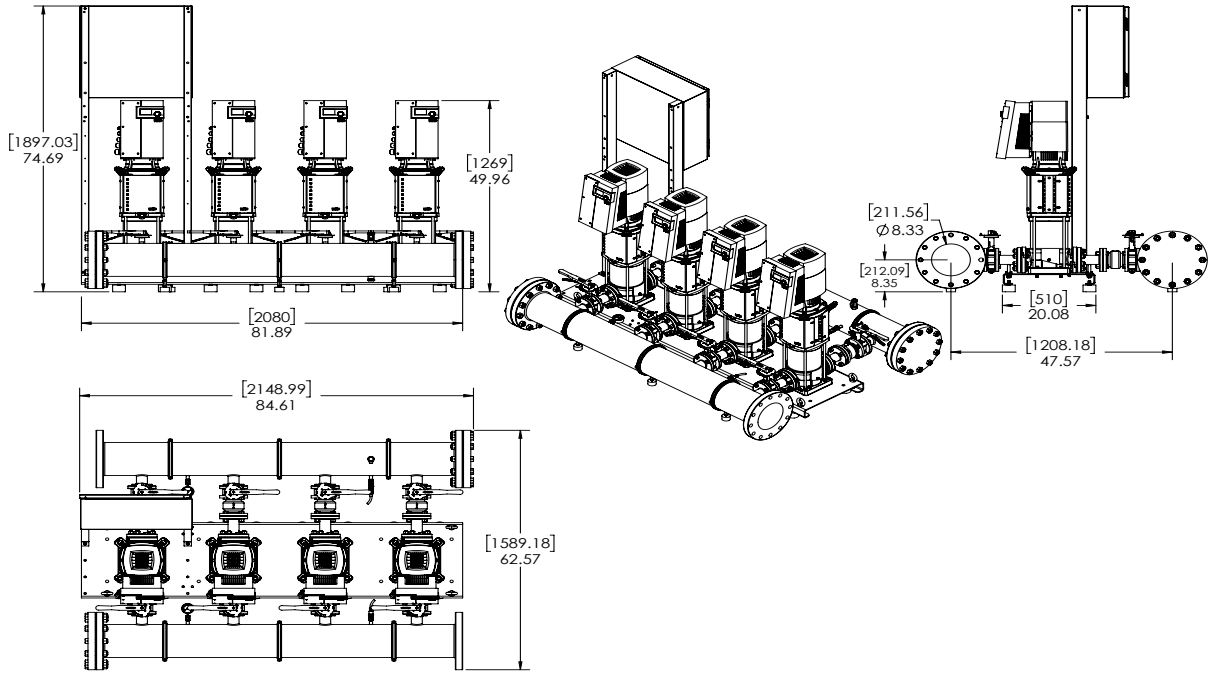
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V110-04-1/10.1/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V110-04-1/10.1/VCE	460 V	74-11/16	62-5/8	84-5/8	8" 300 CLASS ANSI	2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	229	1,466

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V110-04-1/10.1/VCE	10.1	3	460 (±10%)	10.9	96.4	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-01-1/4.3/VCE

Project:

Engineer:

Contractor:

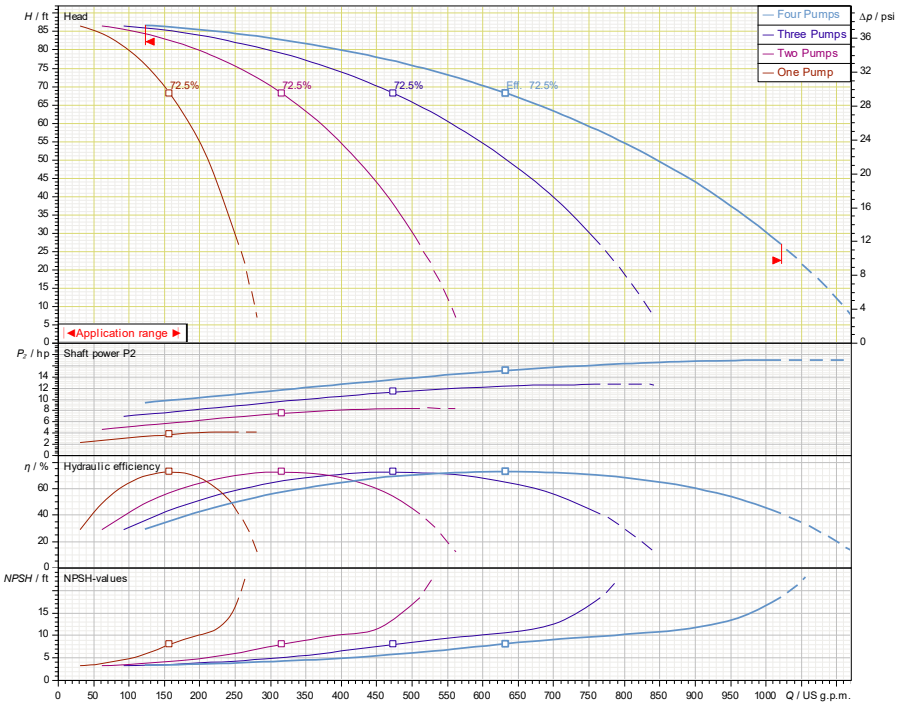
Submitted By: Date:

Approved By: Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V190-01-1/4.3/VCE				4.3			3600

Article Number: 2701065

SiBoost 4 EXCEL 190-01



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

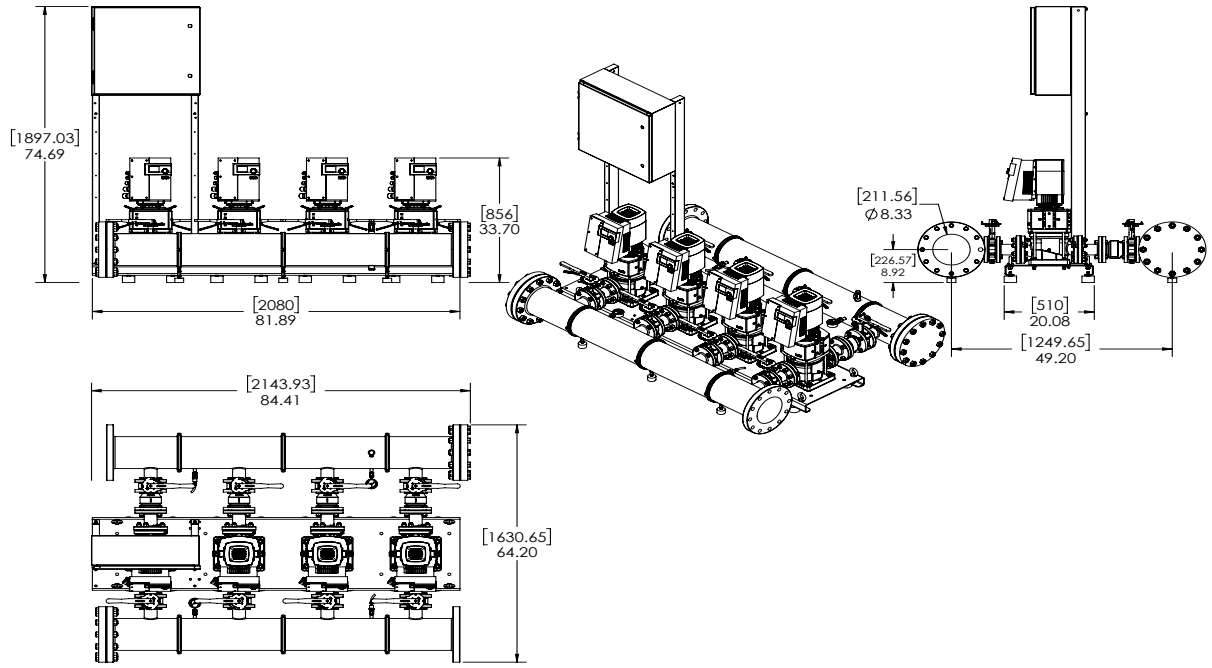
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-01-1/4.3/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V190-01-1/4.3/VCE	460 V	74-11/16	64-1/4	84-1/2	8" 300 CLASS ANSI	2-1/2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	168	1,527

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V190-01-1/4.3/VCE	4.3	3	460 (±10%)	6.0	93	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

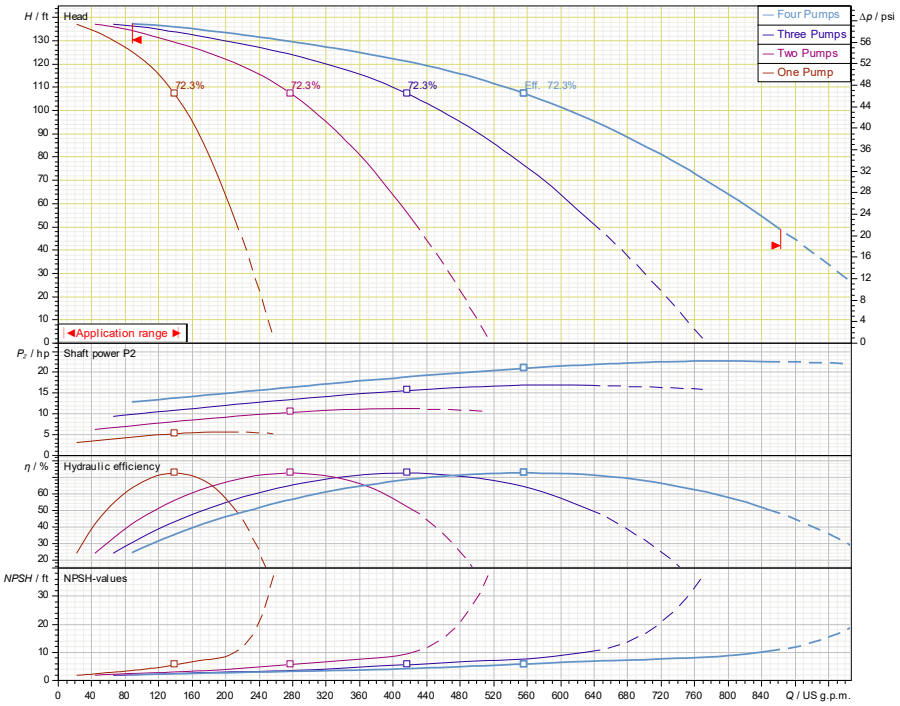
SiBooster-4 EXCEL V190-02/2-1/5.7/VCE

Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V190-02/2-1/5.7/VCE				5.7			3600

Article Number: 2701066

SiBoost 4 EXCEL 190-02/5.7



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

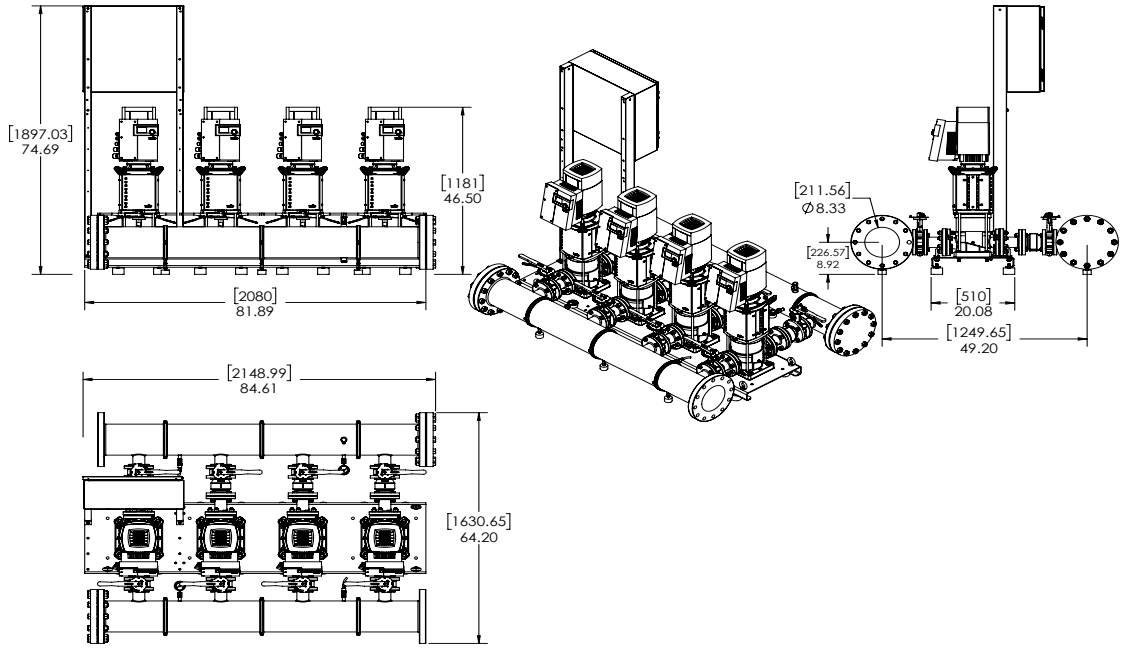
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-02/2-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V190-02/2-1/5.7/VCE	460 V	74-11/16	64-1/4	84-5/8	8" 300 CLASS ANSI	2-1/2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	185	1,544

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V190-02/2-1/5.7/VCE	5.7	3	460 (±10%)	6.5	95.8	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-02-1/7.4/VCE

Project:

Engineer:

Contractor:

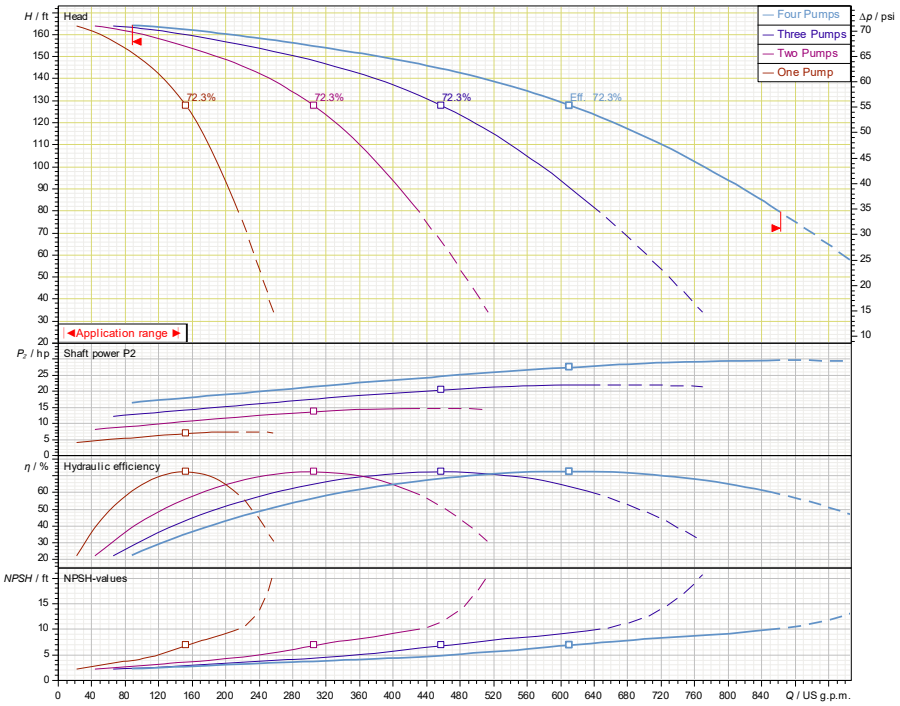
Submitted By: Date:

Approved By: Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V190-02-1/7.4/VCE				7.4			3600

Article Number: 2701067

SiBoost 4 EXCEL 190-02/7.5



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

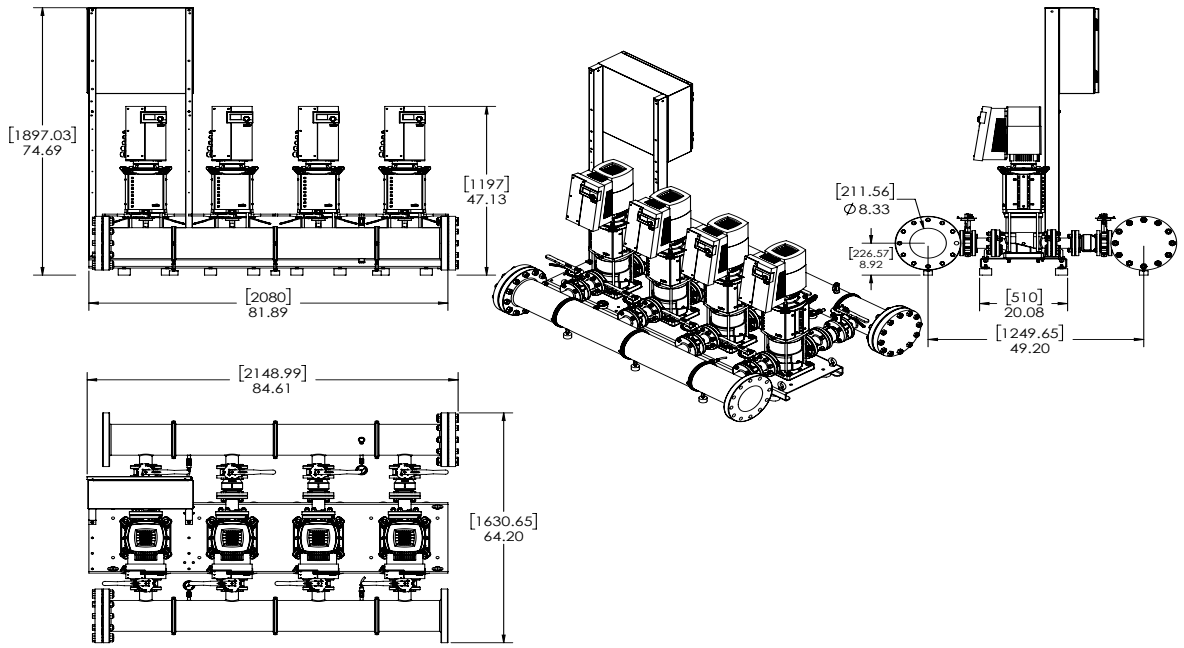
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-02-1/7.4/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V190-02-1/7.4/VCE	460 V	74-11/16	64-1/4	84-5/8	8" 300 CLASS ANSI	2-1/2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	218	1,577

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V190-02-1/7.4/VCE	7.4	3	460 (±10%)	8.2	95.8	232

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info@wilo.com.mx

Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-02-1/10.1/VCE

Project:

Engineer:

Contractor:

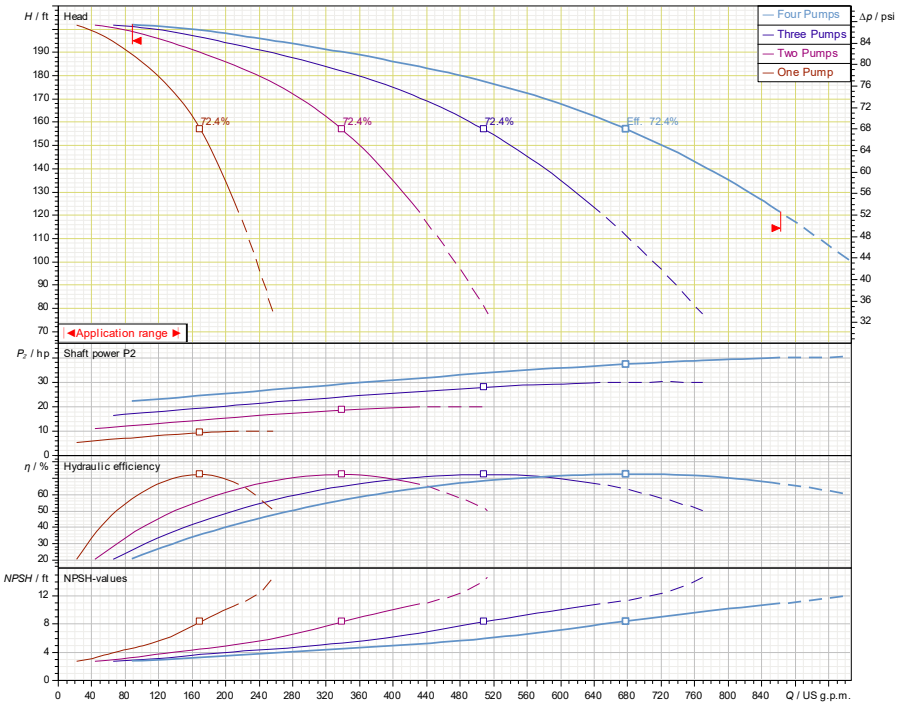
Submitted By: Date:

Approved By: Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V190-02-1/10.1/VCE				10.1			3600

Article Number: 2701068

SiBoost 4 EXCEL 190-02/10.2



Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Motor Data

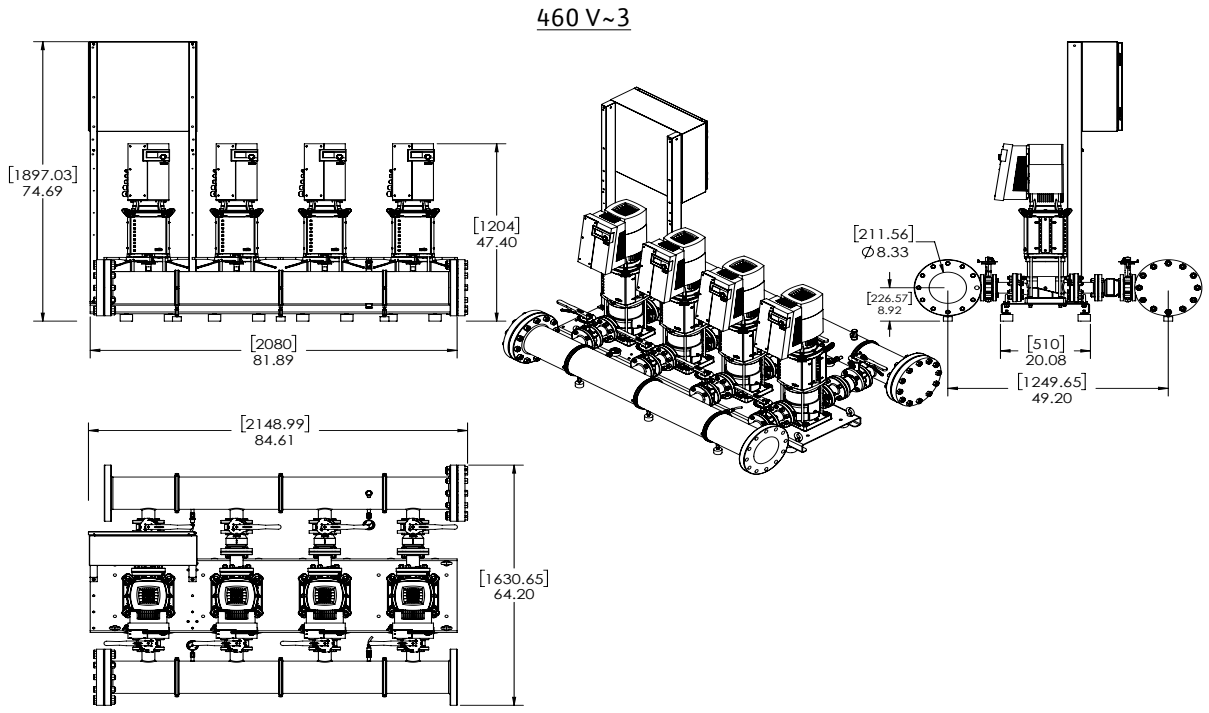
Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL – NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V190-02-1/10.1/VCE



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V190-02-1/10.1/VCE	460 V	74-11/16	64-1/4	84-5/8	8" 300 CLASS ANSI	2-1/2"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	218	1,577

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V190-02-1/10.1/VCE	10.1	3	460 (±10%)	10.9	96.4	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

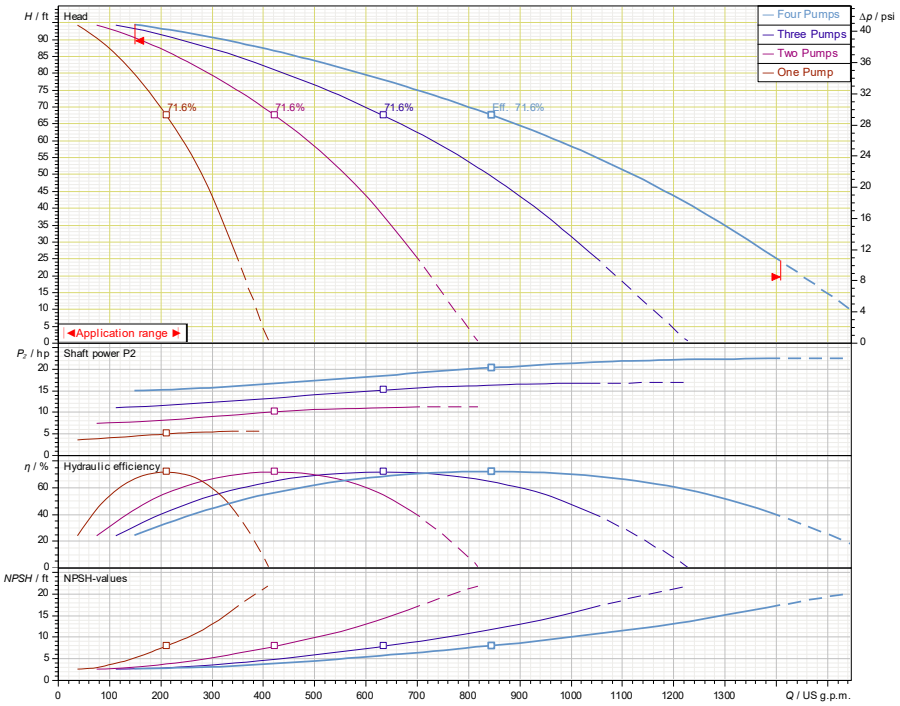
SiBooster-4 EXCEL V270-01-1/5.7/VCE

Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V270-01-1/5.7/VCE				5.7			3600

Article Number: 2701075

SiBoost 4 EXCEL 270-01



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

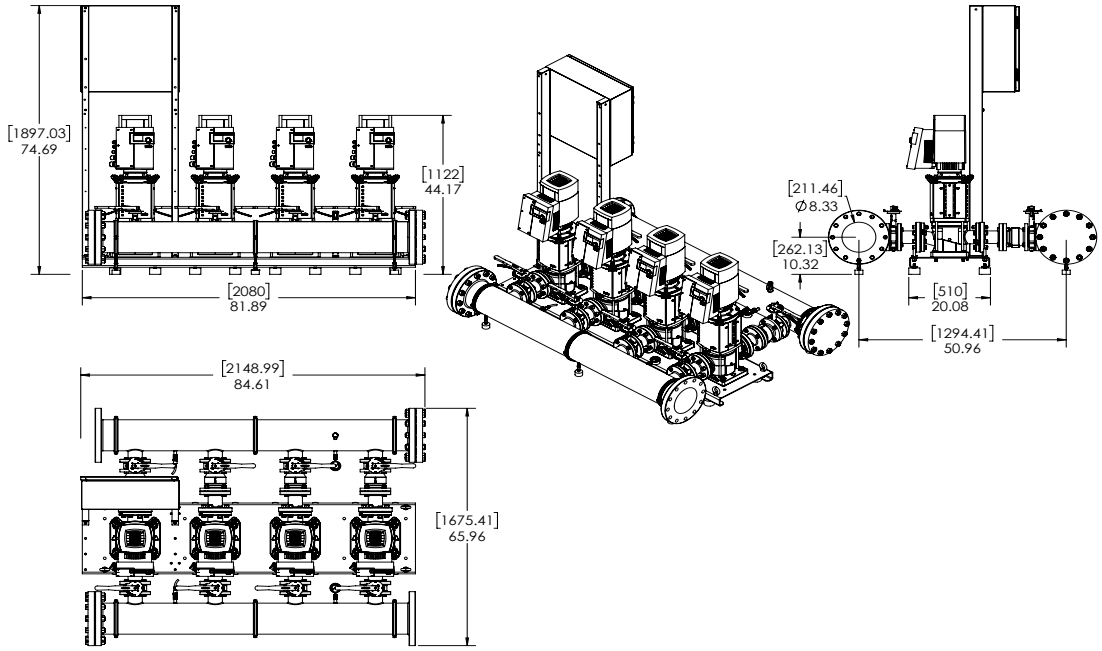
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V270-01-1/5.7/VCE

460 V~3



Special Note: All weights and dimensions are approximate and should not be used as exact rough-in dimensions

Dimensions and Weights

		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
SiBooster-4 EXCEL V270-01-1/5.7/VCE	460 V	74-11/16	66	84-5/8	8" 300 CLASS ANS	3"	1/4" FNPT	1/4" FNPT	3/4" MNPT x 3/4" FNPT	227	1,586

EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V270-01-1/5.7/VCE	5.7	3	460 (±10%)	6.5	95.8	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

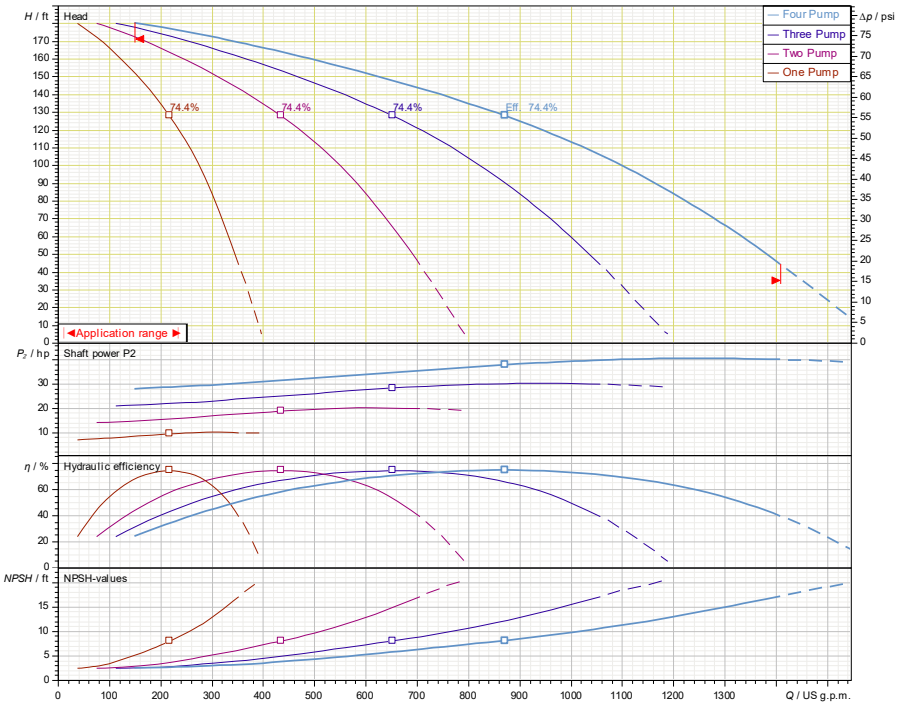
SiBooster-4 EXCEL V270-02/1-1/7.4/VCE

Project:	
Engineer:	
Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V270-02/1-1/7.4/VCE				7.4			3600

Article Number: 2701076

SiBoost 4 EXCEL 270-02



Applications

- Water Supply
- Pressure Boosting
- Agriculture
- Cooling Circuits
- Washing / Sprinkling Systems
- Condensate Return

Materials of Construction

Pump Volute	AISI304 stainless steel with ANSI flanges
Impeller	3D Laser welded AISI 304 Stainless Steel
Shaft	AISI304, AISI318 LN, or AISI431 Stainless Steel
Elastomers	EPDM
Isolation Valves	304 Stainless Flanged Ball Valves or Wafer Butterfly - Depending on Pressure
Suction/Discharge Manifolds	AISI304 Stainless Steel with 300 Class ANSI Flanges
Check Valves	Wafer Style, 316 Stainless Steel internals, Non-slam, Plunger-type with EPDM seal/ Cast Iron Body
Mechanical Seal	Cartridge Seal: Sleeve AISI316L / Spring Clips AISI304
Pressure Transducers	316 Stainless Steel
Pressure Guages	304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System base	Steel (S235JR)
Vibration Isolators	Neoprene, Height Adjustable

Technical Data - Operational Ranges

Liquid Temp Range	-4°F to +248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F
Max Inlet Pressure	145 PSI
Max System Pressure	232 PSI

Technical Data - Panel

Power Supply	460~3
Enclosure	NEMA 12 (3R Availible Upon Request)
Standard	Meets UL 508A

Technical Data - PLC

User Interface	7" Diagonal Color LCD Touchscreen
Display Resolution	800 x 480 Pixels
Supply Voltage	24VDC
Max. Current Consumption	320mA@24V
Number of Analog Inputs	9
Number of Analog Outputs	2
Number of Digital Inputs	18
Number of Digital Outputs	17
Onboard Communications	Modbus Protocol (Optional Gateways for BacNET, LonWorks, and CANbus)
Ethernet Port	RJ45 port capable of transmitting data 10/100Mbps
Additional Ports	2.0 USB Port; Micro-SD Port

Motor Data

Power Supply	460V~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	IEC Premium Efficiency (IE5) - Electronically Commutated Motor (EC Motor with Powerhead control)
Enclosure Construction	Cast Iron
Motor Protection Index	IP55
Insulation Class	F

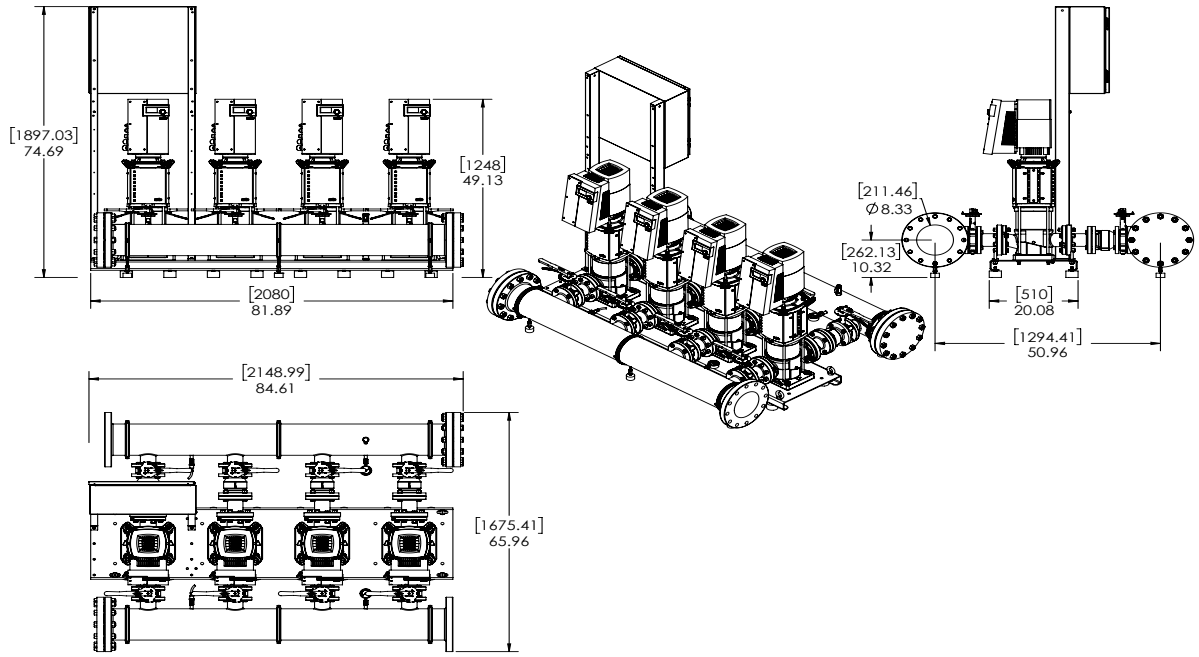
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V270-02/1-1/7.4/VCE

460 V~3



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		Dimensions-inches								Individual Pump Weight	Package Weight
Model	**Voltage (V)**	**H (in)**	**W (in)**	**L (in)**	**System Header Size**	**Suction / Discharge Pump Size (300 Class ANSI)**	**Gauge Tap Size**	**Transducer Tap Size**	**Hydronumatic Tank Valve on Manifold (Plugged)**	**Pump Weight (lbs)**	**Package Weight (lbs)**
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EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V270-02/1-1/7.4/VCE	7.4	3	460 (±10%)	8.2	95.8	232

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Submittal Data Sheet

Wilo-SiBooster EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V270-02-1/10.1/VCE

Project:

Engineer:

Contractor:

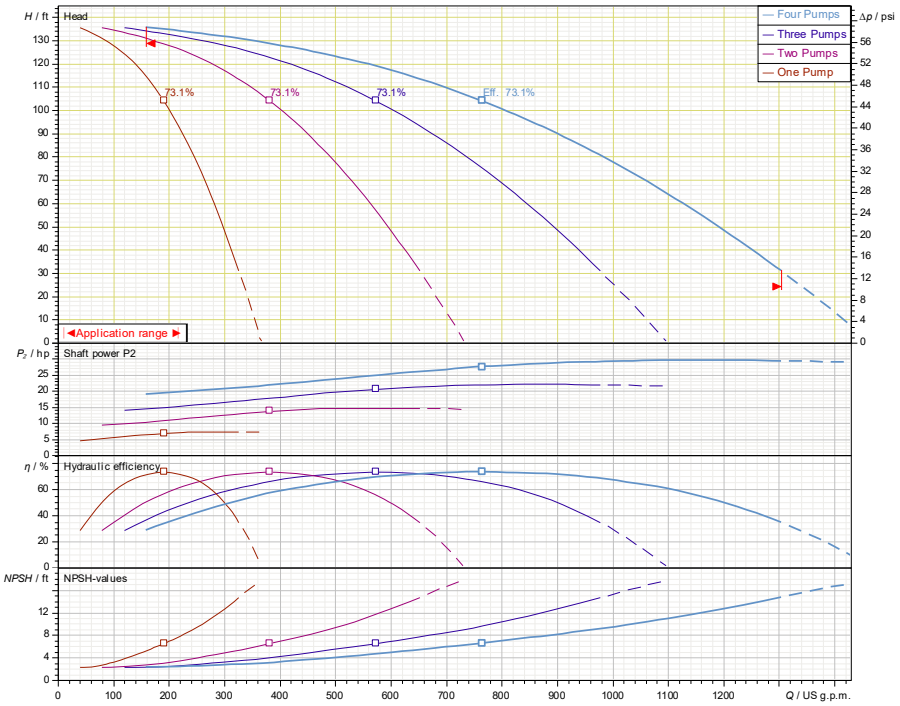
Submitted By: Date:

Approved By: Date:

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	SiBooster-4 EXCEL V270-02-1/10.1/VCE				10.1			3600

Article Number: 2701077

SiBoost 4 EXCEL 270-02/1



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Motor Protection Index	IP55
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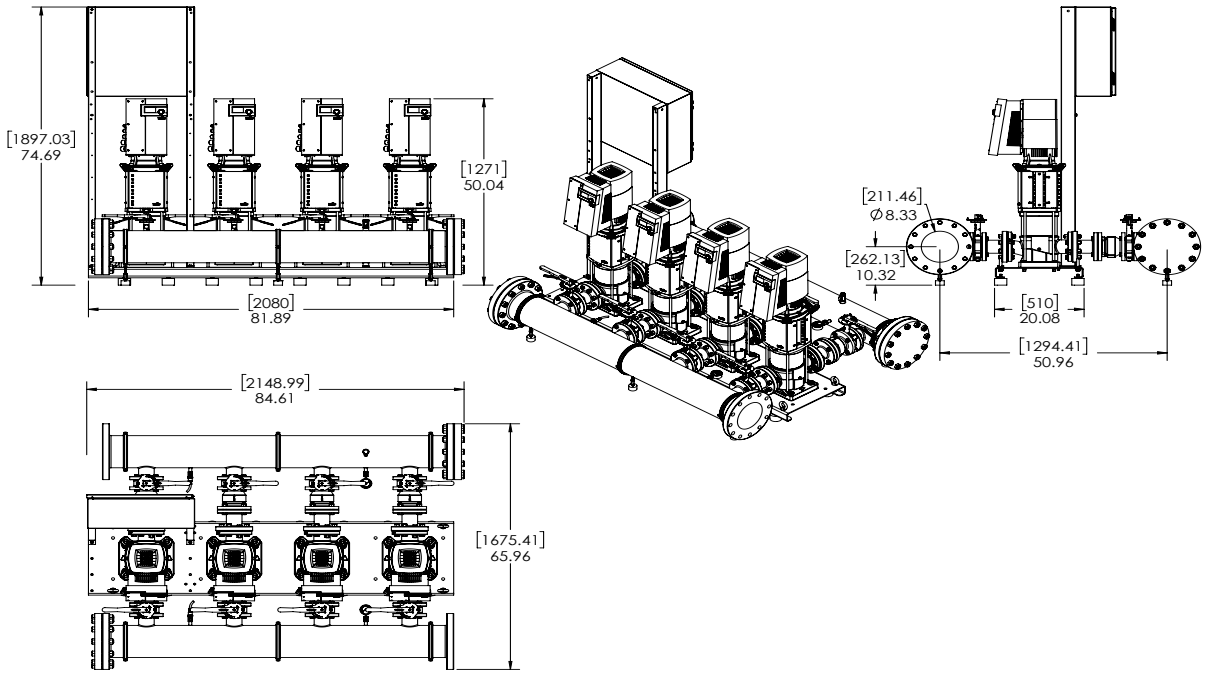
Approval Stamp

Submittal Data Sheet

Wilo-SIBOOSTER EXCEL - NSF 61/372 Pressure Boosting System

SiBooster-4 EXCEL V270-02-1/10.1/VCE

460 V~3



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		Dimensions-inches								Individual Pump Weight	Package Weight
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EC Motor Data (Single Motor Operation)

	P2	Phase	Voltage	FLA (per pump)	Efficiency	Pmax
Model	**(HP)**	**(~)**	**(V)**	**(A)**	**ηm 100%**	**(PSI)**
SiBooster-4 EXCEL V270-02-1/10.1/VCE	10.1	3	460 (±10%)	10.9	96.4	232

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