

Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System

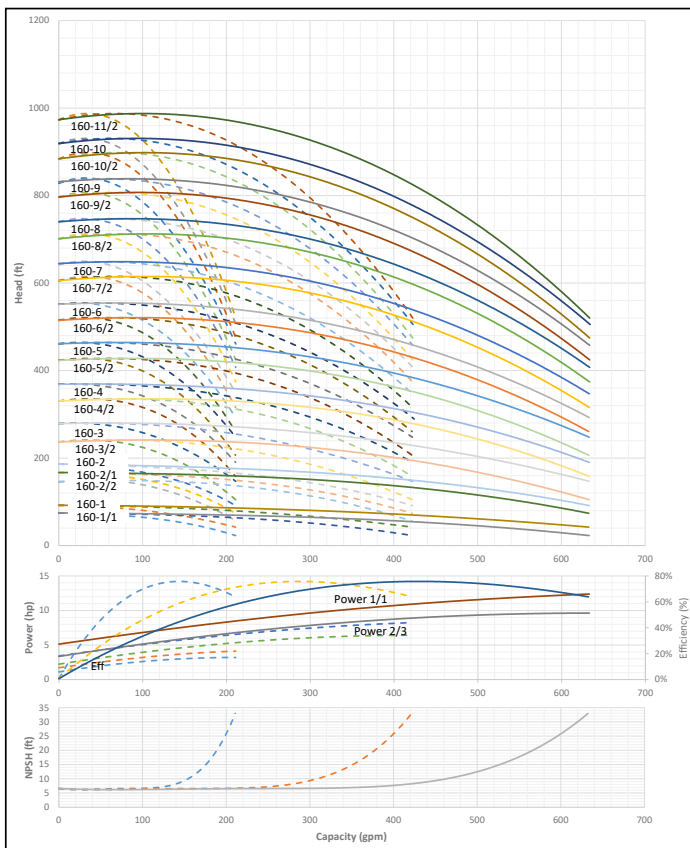


CO3 MVI-160



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-160				1			3600



Applications

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

Materials of Construction

Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Motor Data

Power Supply	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel/ Cast Iron
Motor Protection Index	IP54
Insulation Class	F

Approval Stamp

Technical Data - Operational Ranges

Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel

Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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

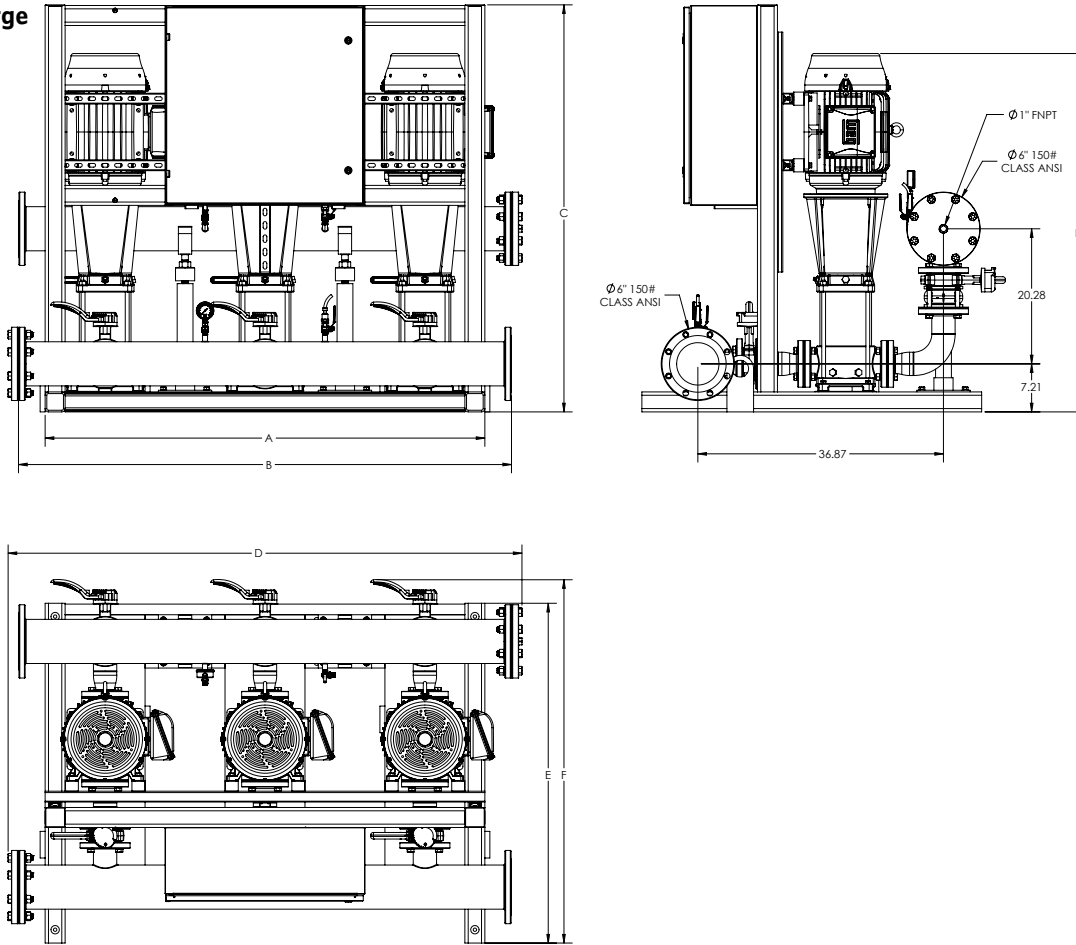
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-160

150# Discharge



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

CO3 MVI-160															TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)								System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	(A)			
CO3 MVI-160-1/1	3353105	3	208V-230V	~1 IN / ~3 OUT	6" 150#	232	49.5	57.5	61	60.63	51	54.53	36.56	1484.88	8.12-7.34	46.6	
CO3 MVI-160-1/1	3353412	3	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	36.56	1484.88	8.12-7.34	29.8	
CO3 MVI-160-1	3353413	5	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	38.14	1530.48	13.1-11.8	46.6	
CO3 MVI-160-2/2	3353414	7.5	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1705.71	19.2-17.3	64-55	
CO3 MVI-160-2/1	3353415	7.5	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1705.71	19.2-17.3	64-55	
CO3 MVI-160-2	3353416	7.5	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1705.71	19.2-17.3	64-55	
CO3 MVI-160-3/2	3353417	10	208V-230V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	46.89	1806.66	25.4-23	85.9-73	
CO3 MVI-160-3	3353418	15	208V-230V	~3	6" 150#	232	66	74	61	77.13	51	54.53	53.8	2676.53	38.5-34.8	124-115.6	
CO3 MVI-160-4/2	3353419	15	208V-230V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2696.09	38.5-34.8	124-115.6	
CO3 MVI-160-4	3353420	15	208V-230V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2696.36	38.5-34.8	124-115.6	
CO3 MVI-160-5/2	3353421	20	208V-230V	~3	6" 150#	232	66	74	65	77.13	51	54.53	59.31	2490.22	50.2-45.4	159.1	
CO3 MVI-160-5	3353422	20	208V-230V	~3	6" 150#	232	66	74	65	77.13	51	54.53	59.31	2490.88	50.2-45.4	159.1	
CO3 MVI-160-1/1	3353901	3	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	36.56	1484.88	3.67	15.4	
CO3 MVI-160-1	3353902	5	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	38.14	1530.48	5.9	25.6	
CO3 MVI-160-2/2	3353903	7.5	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1704.33	8.67	34	
CO3 MVI-160-2/1	3353904	7.5	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1704.33	8.67	34	
CO3 MVI-160-2	3353905	7.5	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1704.33	8.67	34	

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-160 150# Discharge															TEFC Motor Data (Per Motor)	
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)							System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)		(A)	
CO3 MVI-160-3/2	3353906	10	460V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	46.89	1805.28	11.5	43
CO3 MVI-160-3	3353907	15	460V	~3	6" 150#	232	66	74	61	77.13	51	54.53	53.8	2409	17.4	56.2
CO3 MVI-160-4/2	3353908	15	460V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2428.56	17.4	56.2
CO3 MVI-160-4	3353909	15	460V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2428.83	17.4	56.2
CO3 MVI-160-5/2	3353910	20	460V	~3	6" 150#	232	66	74	61	77.13	51	54.53	59.31	2472.66	22.7	75.1
CO3 MVI-160-5	3353911	20	460V	~3	6" 150#	232	66	74	61	77.13	51	54.53	59.31	2473.32	22.7	75.1
CO3 MVI-160-1/1	3354390	3	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	36.56	1486.86	2.9	11.5
CO3 MVI-160-1	3354391	5	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	38.14	1532.16	4.72	17.8
CO3 MVI-160-2/2	3354392	7.5	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1711.71	6.94	25.9
CO3 MVI-160-2/1	3354393	7.5	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1711.71	6.94	25.9
CO3 MVI-160-2	3354394	7.5	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	42.59	1711.71	6.94	25.9
CO3 MVI-160-3/2	3354395	10	575V	~3	6" 150#	232	49.5	57.5	61	60.63	51	54.53	46.89	1818.66	9.2	35.2
CO3 MVI-160-3	3354396	15	575V	~3	6" 150#	232	66	74	61	77.13	51	54.53	53.8	2569.53	13.8	48.1
CO3 MVI-160-4/2	3354397	15	575V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2589.09	13.8	48.1
CO3 MVI-160-4	3354398	15	575V	~3	6" 150#	232	66	74	61	77.13	51	54.53	56.55	2589.36	13.8	48.1
CO3 MVI-160-5/2	3354399	20	575V	~3	6" 150#	232	66	74	61	77.13	51	54.53	59.31	2633.19	18.2	65.2
CO3 MVI-160-5	3354400	20	575V	~3	6" 150#	232	66	74	61	77.13	51	54.53	59.31	2633.85	18.2	65.2

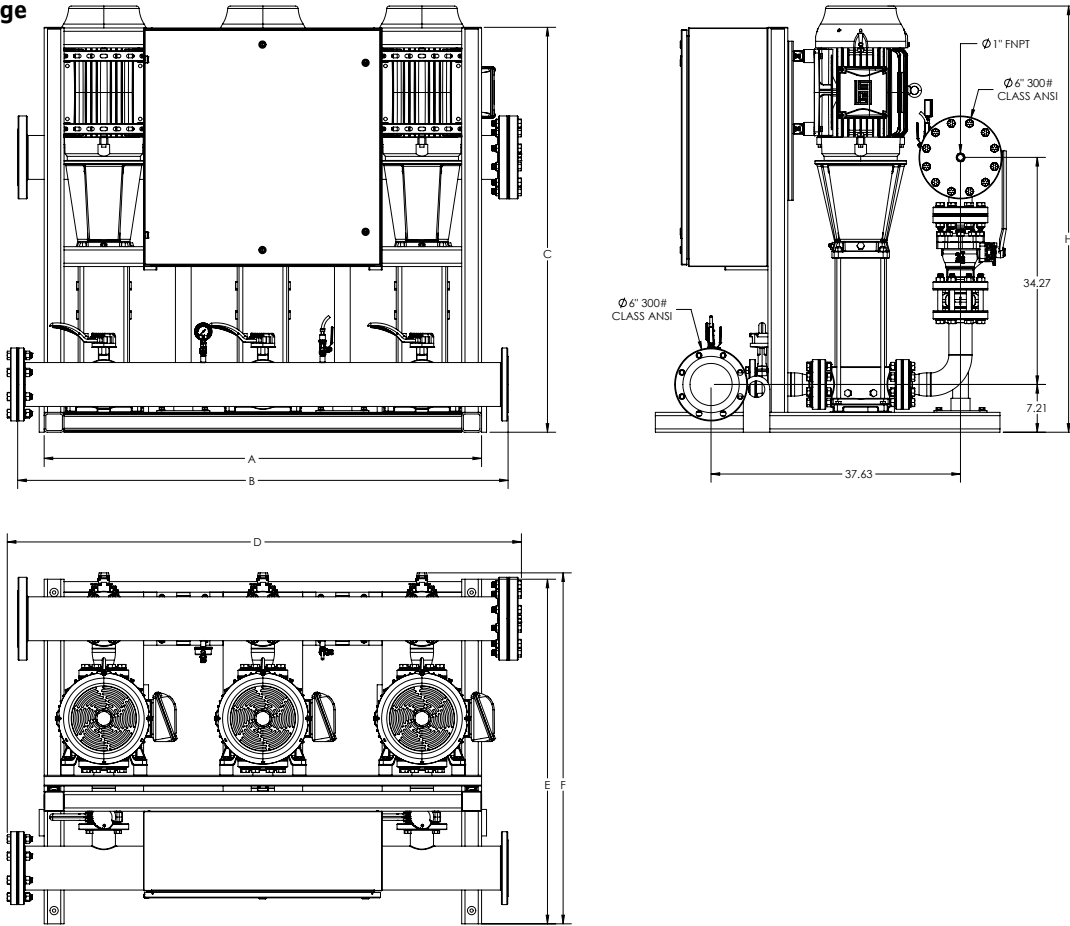
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-160

300# Discharge



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

CO3 MVI-160

CO3 MVI-160														TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)							System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)		(A)	
CO3 MVI-160-6/2	3353423	25	208V-230V	~3	6" 300#	435	66	74	65	77.57	52	52.96	64.32	3000.7	63.0-57.6	196
CO3 MVI-160-6	3353424	25	208V-230V	~3	6" 300#	435	66	74	65	77.57	52	52.96	64.32	3001.36	63.0-57.6	196
CO3 MVI-160-7/2	3353425	30	208V-230V	~3	6" 300#	435	66	74	87	77.57	52	55.06	67.08	3139.79	76.7-68.4	229
CO3 MVI-160-7	3353426	30	208V-230V	~3	6" 300#	435	66	74	87	77.57	52	55.06	67.08	3140.45	76.7-68.4	229
CO3 MVI-160-8/2	3353427	30	208V-230V	~3	6" 300#	435	66	74	87	77.57	52	55.06	69.83	3161.33	76.7-68.4	229
CO3 MVI-160-8	3353428	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	72.38	3643	101-92.6	312.1
CO3 MVI-160-9/2	3353429	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	75.14	3661	101-92.6	312.1
CO3 MVI-160-9	3353430	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	75.14	3661	101-92.6	312.1
CO3 MVI-160-10/2	3353431	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	77.9	3679	101-92.6	312.1
CO3 MVI-160-10	3353432	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	77.9	3679	101-92.6	312.1
CO3 MVI-160-11/2	3353433	40	208V-230V	~3	6" 300#	435	72	80	87	83.57	52	56.07	80.65	3697	101-92.6	312.1
CO3 MVI-160-6/2	3353912	25	460V	~3	6" 300#	435	66	74	61	77.57	52	52.96	64.32	3250.66	28.8	88.9
CO3 MVI-160-6	3353913	25	460V	~3	6" 300#	435	66	74	61	77.57	52	52.96	64.32	3251.32	28.8	88.9
CO3 MVI-160-7/2	3353914	30	460V	~3	6" 300#	435	66	74	63	77.57	52	52.96	67.08	3303.76	34.2	104.8
CO3 MVI-160-7	3353915	30	460V	~3	6" 300#	435	66	74	63	77.57	52	52.96	67.08	3304.42	34.2	104.8
CO3 MVI-160-8/2	3353916	30	460V	~3	6" 300#	435	66	74	66	77.57	52	52.96	69.83	3329.67	34.2	104.8
CO3 MVI-160-8	3353917	40	460V	~3	6" 300#	435	72	80	68	83.57	52	52.71	72.38	3559.98	46.3	148.6

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Wilco-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-160 300# Discharge															TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)								System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	(A)			
CO3 MVI-160-9/2	3353918	40	460V	~3	6" 300#	435	72	80	70	83.57	52	52.71	75.14	3580.9	46.3	148.6	
CO3 MVI-160-9	3353919	40	460V	~3	6" 300#	435	72	80	70	83.57	52	52.71	75.14	3580.9	46.3	148.6	
CO3 MVI-160-10/2	3353920	40	460V	~3	6" 300#	435	72	80	73	83.57	52	52.71	77.9	3603.27	46.3	148.6	
CO3 MVI-160-10	3353921	40	460V	~3	6" 300#	435	72	80	73	83.57	52	52.71	77.9	3603.27	46.3	148.6	
CO3 MVI-160-11/2	3353922	40	460V	~3	6" 300#	435	72	80	76	83.57	52	52.71	80.65	3625.65	46.3	148.6	
CO3 MVI-160-6/2	3354401	25	575V	~3	6" 300#	435	66	74	65	77.57	52	52.96	64.32	2979.7	23	78.1	
CO3 MVI-160-6	3354402	25	575V	~3	6" 300#	435	66	74	65	77.57	52	52.96	64.32	2980.36	23	78.1	
CO3 MVI-160-7/2	3354403	30	575V	~3	6" 300#	435	66	74	65	77.57	52	52.96	67.08	3056.77	27.4	95.5	
CO3 MVI-160-7	3354404	30	575V	~3	6" 300#	435	66	74	65	77.57	52	52.96	67.08	3057.43	27.4	95.5	
CO3 MVI-160-8/2	3354405	30	575V	~3	6" 300#	435	66	74	65	77.57	52	52.96	69.83	3078.31	27.4	95.5	
CO3 MVI-160-8	3354406	40	575V	~3	6" 300#	435	72	80	68	83.57	52	52.71	72.38	3571.98	37	129.7	
CO3 MVI-160-9/2	3354407	40	575V	~3	6" 300#	435	72	80	70	83.57	52	52.71	75.14	3592.9	37	129.7	
CO3 MVI-160-9	3354408	40	575V	~3	6" 300#	435	72	80	70	83.57	52	52.71	75.14	3592.9	37	129.7	
CO3 MVI-160-10/2	3354409	40	575V	~3	6" 300#	435	72	80	73	83.57	52	52.71	77.9	3615.27	37	129.7	
CO3 MVI-160-10	3354410	40	575V	~3	6" 300#	435	72	80	73	83.57	52	52.71	77.9	3615.27	37	129.7	
CO3 MVI-160-11/2	3354411	40	575V	~3	6" 300#	435	72	80	76	83.57	52	52.71	80.65	3637.65	37	129.7	

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Wilo-CO MVI - NSF 61/372 Pressure Boosting System

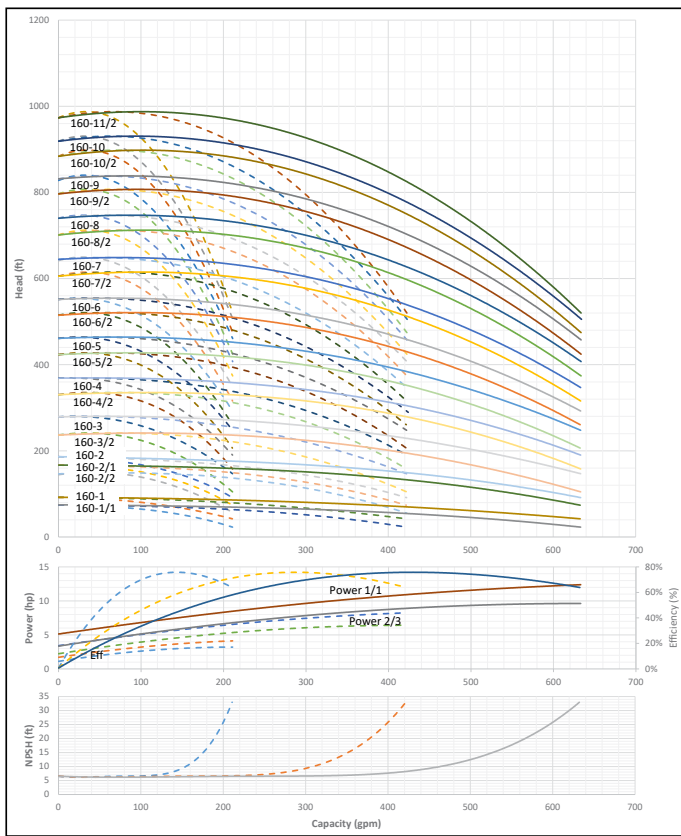


CO3 MVI-1SB-160



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-1SB-160				1			3600



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

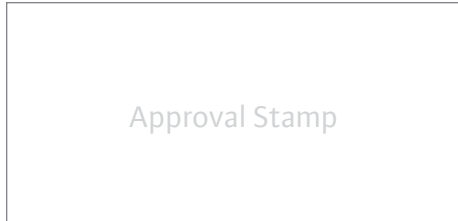
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460-3 or 575-3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V-1 IN / 208-230V-3 OUT • 1 HP to 60 HP 208-230V-3 • 1 HP to 100 HP 460V-3 • 1 HP to 100 HP 575V-3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575-3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



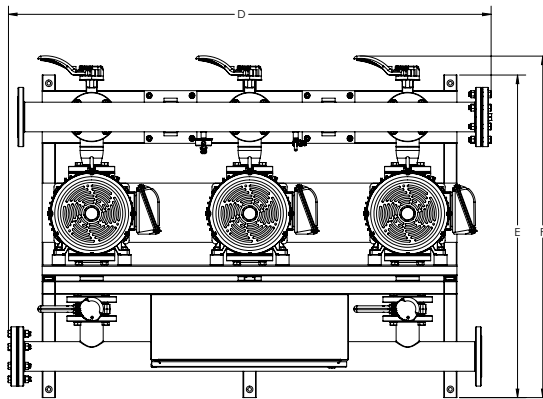
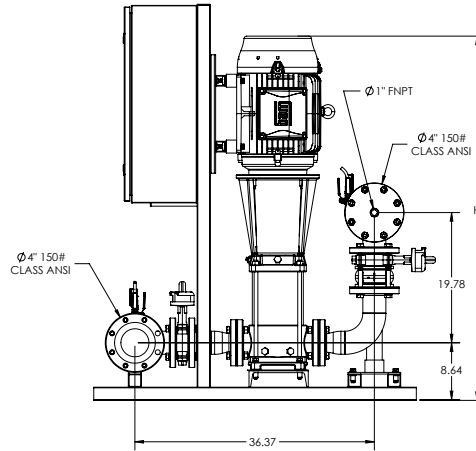
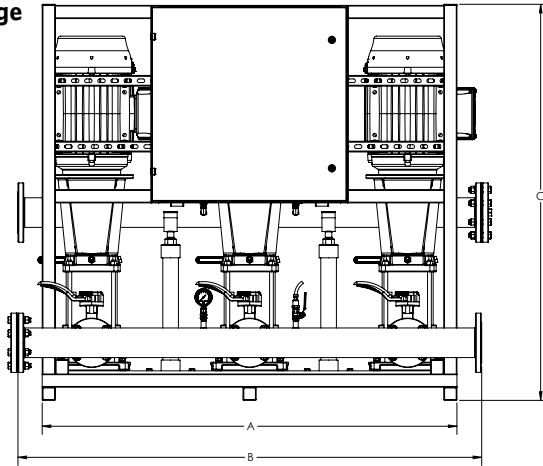
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-160

150# Discharge



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

CO3 MVI-1SB-160

TEFC Motor Data (Per Motor)

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)								System Weight (Lbs)	TEFC Motor Data (Per Motor)	
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	Motor FLA (per pump)		System FLA	
CO3 MVI-1SB-160-1/1	3354755	3	208V-230V	~1 IN / ~3 OUT	4" 150#	232	47	52.75	60	55.68	49	51.87	38.09	1110.96	8.12-7.34	46.6	
CO3 MVI-1SB-160-1/1	3354910	3	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	38.09	1110.96	8.12-7.34	29.8	
CO3 MVI-1SB-160-1	3354911	5	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	39.67	1156.56	13.1-11.8	46.6	
CO3 MVI-1SB-160-2/2	3354912	7.5	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1331.78	19.2-17.3	64-55	
CO3 MVI-1SB-160-2/1	3354913	7.5	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1331.78	19.2-17.3	64-55	
CO3 MVI-1SB-160-2	3354914	7.5	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1331.78	19.2-17.3	64-55	
CO3 MVI-1SB-160-3/2	3354915	10	208V-230V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	48.42	1432.73	25.4-23	85.9-73	
CO3 MVI-1SB-160-3	3354916	15	208V-230V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	55.33	2284.07	38.5-34.8	124-115.6	
CO3 MVI-1SB-160-4/2	3354917	15	208V-230V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	58.08	2303.63	38.5-34.8	124-115.6	
CO3 MVI-1SB-160-4	3354918	15	208V-230V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	58.08	2303.9	38.5-34.8	124-115.6	
CO3 MVI-1SB-160-5/2	3354919	20	208V-230V	~3	4" 150#	232	63	70.5	64	73.35	49	51.87	60.84	2089.68	50.2-45.4	159.1	
CO3 MVI-1SB-160-5	3354920	20	208V-230V	~3	4" 150#	232	63	70.5	64	73.35	49	51.87	60.84	2090.34	50.2-45.4	159.1	
CO3 MVI-1SB-160-1/1	3355200	3	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	38.09	1110.96	3.67	15.4	
CO3 MVI-1SB-160-1	3355201	5	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	39.67	1156.56	5.9	25.6	
CO3 MVI-1SB-160-2/2	3355202	7.5	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1330.41	8.67	34	
CO3 MVI-1SB-160-2/1	3355203	7.5	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1330.41	8.67	34	

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-160
150# Discharge

TEFC Motor Data
(Per Motor)

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)							System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)		(A)	
CO3 MVI-1SB-160-2	3355204	7.5	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1330.41	8.67	34
CO3 MVI-1SB-160-3/2	3355205	10	460V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	48.42	1431.36	11.5	43
CO3 MVI-1SB-160-3	3355206	15	460V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	55.33	2016.49	17.4	56.2
CO3 MVI-1SB-160-4/2	3355207	15	460V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	58.08	2036.05	17.4	56.2
CO3 MVI-1SB-160-4	3355208	15	460V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	55.33	2036.32	17.4	56.2
CO3 MVI-1SB-160-5/2	3355209	20	460V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	60.84	2080.15	22.7	75.1
CO3 MVI-1SB-160-5	3355210	20	460V	~3	4" 150#	232	63	70.5	60	73.35	49	51.87	60.84	2080.81	22.7	75.1
CO3 MVI-1SB-160-1/1	3355490	3	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	38.09	1112.93	2.9	11.5
CO3 MVI-1SB-160-1	3355491	5	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	39.67	1158.23	4.72	17.8
CO3 MVI-1SB-160-2/2	3355492	7.5	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1337.78	6.94	25.9
CO3 MVI-1SB-160-2/1	3355493	7.5	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1337.78	6.94	25.9
CO3 MVI-1SB-160-2	3355494	7.5	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	44.12	1337.78	6.94	25.9
CO3 MVI-1SB-160-3/2	3355495	10	575V	~3	4" 150#	232	47	52.75	60	55.68	49	51.87	48.42	1444.73	9.2	35.2
CO3 MVI-1SB-160-3	3355496	15	575V	~3	4" 150#	232	63	70.5	62	73.35	49	51.87	55.33	2178.09	13.8	48.1
CO3 MVI-1SB-160-4/2	3355497	15	575V	~3	4" 150#	232	63	70.5	62	73.35	49	51.87	58.08	2197.65	13.8	48.1
CO3 MVI-1SB-160-4	3355498	15	575V	~3	4" 150#	232	63	70.5	62	73.35	49	51.87	58.08	2197.92	13.8	48.1
CO3 MVI-1SB-160-5/2	3355499	20	575V	~3	4" 150#	232	63	70.5	62	73.35	49	51.87	60.84	2241.75	18.2	65.2
CO3 MVI-1SB-160-5	3355500	20	575V	~3	4" 150#	232	63	70.5	62	73.35	49	51.87	60.84	2242.41	18.2	65.2

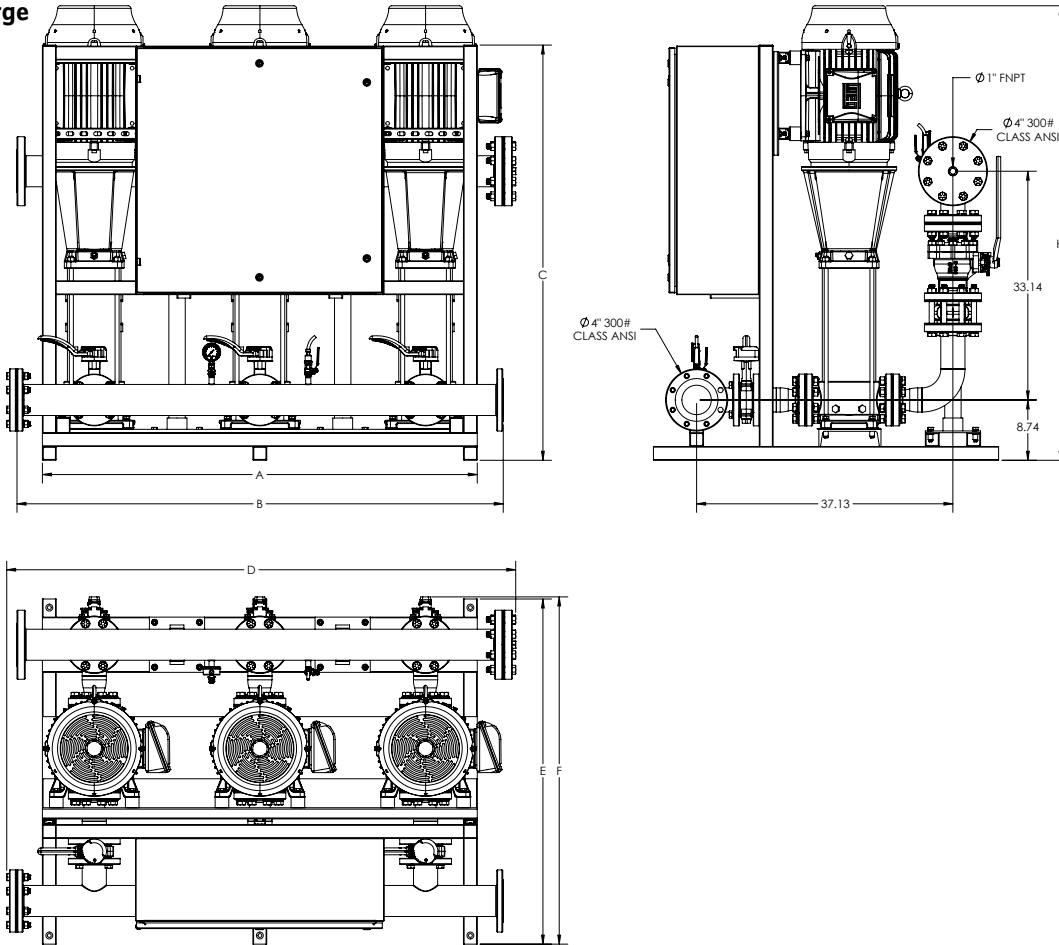
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-160

300# Discharge



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

CO3 MVI-1SB-160

Dimensions - Inches (in)															TEFC Motor Data (Per Motor)	
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	Motor FLA (per pump)	System FLA
CO3 MVI-1SB-160-6/2	3354921	25	208V-230V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	65.85	2579.44	63.0-57.6	196
CO3 MVI-1SB-160-6	3354922	25	208V-230V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	65.85	2580.1	63.0-57.6	196
CO3 MVI-1SB-160-7/2	3354923	30	208V-230V	~3	4" 300#	435	63	70.5	86	73.74	50	53.93	68.61	2687.65	76.7-68.4	229
CO3 MVI-1SB-160-7	3354924	30	208V-230V	~3	4" 300#	435	63	70.5	86	73.74	50	53.93	68.61	2688.31	76.7-68.4	229
CO3 MVI-1SB-160-8/2	3354925	30	208V-230V	~3	4" 300#	435	63	70.5	86	73.74	50	53.93	71.36	2709.19	76.7-68.4	229
CO3 MVI-1SB-160-8	3354926	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	73.91	3186.75	101-92.6	312.1
CO3 MVI-1SB-160-9/2	3354927	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	76.67	3204.75	101-92.6	312.1
CO3 MVI-1SB-160-9	3354928	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	76.67	3204.75	101-92.6	312.1
CO3 MVI-1SB-160-10/2	3354929	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	79.43	3222.75	101-92.6	312.1
CO3 MVI-1SB-160-10	3354930	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	79.43	3222.75	101-92.6	312.1
CO3 MVI-1SB-160-11/2	3354931	40	208V-230V	~3	4" 300#	435	69	75.75	86	78.87	50	54.93	82.18	3240.75	101-92.6	312.1
CO3 MVI-1SB-160-6/2	3355211	25	460V	~3	4" 300#	435	63	70.5	60	73.74	50	50.3	65.85	2836.04	28.8	88.9
CO3 MVI-1SB-160-6	3355212	25	460V	~3	4" 300#	435	63	70.5	60	73.74	50	50.3	65.85	2836.7	28.8	88.9
CO3 MVI-1SB-160-7/2	3355213	30	460V	~3	4" 300#	435	63	70.5	62	73.74	50	50.3	68.61	2891.58	34.2	104.8
CO3 MVI-1SB-160-7	3355214	30	460V	~3	4" 300#	435	63	70.5	62	73.74	50	50.3	68.61	2892.24	34.2	104.8
CO3 MVI-1SB-160-8/2	3355215	30	460V	~3	4" 300#	435	63	70.5	65	73.74	50	50.3	71.36	2914.14	34.2	104.8
CO3 MVI-1SB-160-8	3355216	40	460V	~3	4" 300#	435	69	75.75	67	78.87	50	50.9	73.91	3133.14	46.3	148.6

Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



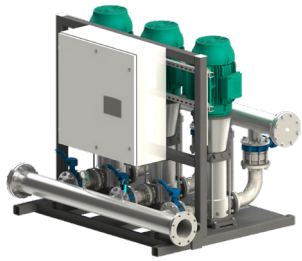
CO3 MVI-1SB-160 300# Discharge															TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	(A)			
CO3 MVI-1SB-160-9/2	3355217	40	460V	~3	4" 300#	435	69	75.75	69	78.87	50	50.9	76.67	3152.17	46.3	148.6	
CO3 MVI-1SB-160-9	3355218	40	460V	~3	4" 300#	435	69	75.75	69	78.87	50	50.9	76.67	3152.17	46.3	148.6	
CO3 MVI-1SB-160-10/2	3355219	40	460V	~3	4" 300#	435	69	75.75	72	78.87	50	50.9	79.43	3171.7	46.3	148.6	
CO3 MVI-1SB-160-10	3355220	40	460V	~3	4" 300#	435	69	75.75	72	78.87	50	50.9	79.43	3171.7	46.3	148.6	
CO3 MVI-1SB-160-11/2	3355221	40	460V	~3	4" 300#	435	69	75.75	75	78.87	50	50.9	82.18	3191.23	46.3	148.6	
CO3 MVI-1SB-160-6/2	3355501	25	575V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	65.85	2558.44	23	78.1	
CO3 MVI-1SB-160-6	3355502	25	575V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	65.85	2559.1	23	78.1	
CO3 MVI-1SB-160-7/2	3355503	30	575V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	68.61	2635.51	27.4	95.5	
CO3 MVI-1SB-160-7	3355504	30	575V	~3	4" 300#	435	63	70.5	64	73.74	50	50.3	68.61	2636.17	27.4	95.5	
CO3 MVI-1SB-160-8/2	3355505	30	575V	~3	4" 300#	435	63	70.5	65	73.74	50	50.3	71.36	2657.56	27.4	95.5	
CO3 MVI-1SB-160-8	3355506	40	575V	~3	4" 300#	435	69	75.75	67	78.87	50	50.9	73.91	3145.14	37	129.7	
CO3 MVI-1SB-160-9/2	3355507	40	575V	~3	4" 300#	435	69	75.75	69	78.87	50	50.9	76.67	3164.17	37	129.7	
CO3 MVI-1SB-160-9	3355508	40	575V	~3	4" 300#	435	69	75.75	69	78.87	50	50.9	76.67	3164.17	37	129.7	
CO3 MVI-1SB-160-10/2	3355509	40	575V	~3	4" 300#	435	69	75.75	72	78.87	50	50.9	79.43	3183.7	37	129.7	
CO3 MVI-1SB-160-10	3355510	40	575V	~3	4" 300#	435	69	75.75	72	78.87	50	50.9	79.43	3183.7	37	129.7	
CO3 MVI-1SB-160-11/2	3355511	40	575V	~3	4" 300#	435	69	75.75	75	78.87	50	50.9	82.18	3203.23	37	129.7	

Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System

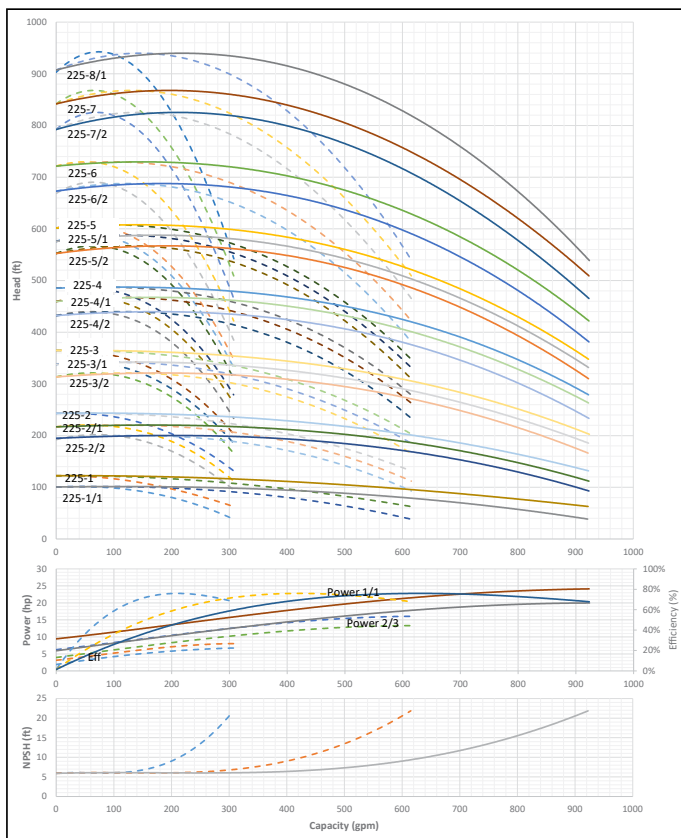


CO3 MVI-225



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-225				1			3600



Applications

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

Materials of Construction

Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges

Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel

Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F

Approval Stamp

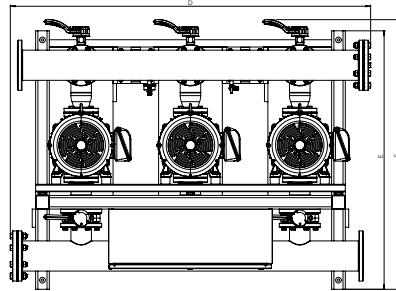
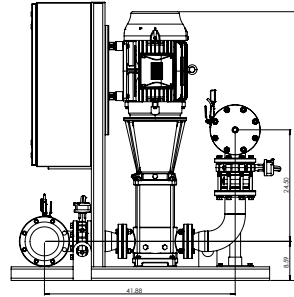
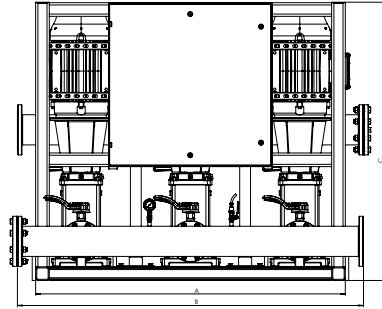
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-225

150# Discharge



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

CO3 MVI-225

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								TEFC Motor Data (Per Motor)	
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	Motor FLA (per pump)	System FLA
CO3 MVI-225-1/1	3353434	7.5	208V-230V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1920.92	19.2-17.3	64-55
CO3 MVI-225-1	3353435	7.5	208V-230V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1921.01	19.2-17.3	64-55
CO3 MVI-225-2/2	3353436	15	208V-230V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2900.63	38.5-34.8	124-115.6
CO3 MVI-225-2/1	3353437	15	208V-230V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2900.69	38.5-34.8	124-115.6
CO3 MVI-225-2	3353438	15	208V-230V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2900.75	38.5-34.8	124-115.6
CO3 MVI-225-3/2	3353439	20	208V-230V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	56.68	2707.64	50.2-45.4	159.1
CO3 MVI-225-3/1	3353440	25	208V-230V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	58.94	2942.21	63.0-57.6	196
CO3 MVI-225-3	3353441	25	208V-230V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	58.94	2942.3	63.0-57.6	196
CO3 MVI-225-4/2	3353442	30	208V-230V	~3	6" 150#	232	68	76	87.1	79.13	56.79	60.64	62.09	3076.64	76.7-68.4	229
CO3 MVI-225-1/1	3353923	7.5	460V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1919.54	8.67	34
CO3 MVI-225-1	3353924	7.5	460V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1919.63	8.67	34
CO3 MVI-225-2/2	3353925	15	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2630.2	17.4	56.2
CO3 MVI-225-2/1	3353926	15	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2630.26	17.4	56.2
CO3 MVI-225-2	3353927	15	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2630.32	17.4	56.2
CO3 MVI-225-3/2	3353928	20	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	56.68	2678.44	22.7	75.1
CO3 MVI-225-3/1	3353929	25	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	58.94	3183.44	28.8	88.9
CO3 MVI-225-3	3353930	25	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	58.94	3183.53	28.8	88.9
CO3 MVI-225-4/2	3353931	30	460V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	62.09	3240.65	34.2	104.8
CO3 MVI-225-1/1	3354412	7.5	575V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1926.92	6.94	25.9
CO3 MVI-225-1	3354413	7.5	575V	~3	6" 150#	232	51.5	59.5	61.1	62.63	56.76	59.16	41.92	1927.01	6.94	25.9
CO3 MVI-225-2/2	3354414	15	575V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2793.63	13.8	48.1
CO3 MVI-225-2/1	3354415	15	575V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2793.69	13.8	48.1
CO3 MVI-225-2	3354416	15	575V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	53.53	2793.75	13.8	48.1
CO3 MVI-225-3/2	3354417	20	575V	~3	6" 150#	232	68	76	61.1	79.13	56.76	59.16	56.68	2841.87	18.2	65.2
CO3 MVI-225-3/1	3354418	25	575V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	58.94	2921.21	23	78.1
CO3 MVI-225-3	3354419	25	575V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	58.94	2921.3	23	78.1
CO3 MVI-225-4/2	3354420	30	575V	~3	6" 150#	232	68	76	69.1	79.13	56.76	59.16	62.09	3002.42	27.4	95.5

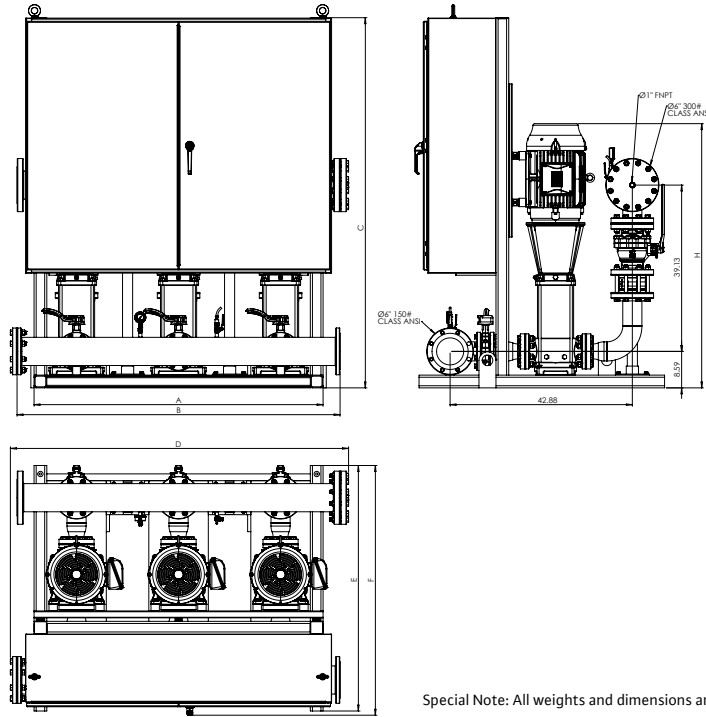
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-225

300# Discharge



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

CO3 MVI-225

TEFC Motor Data (Per Motor)

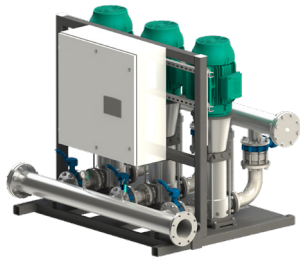
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								System Weight (Lbs)	Motor FLA (per pump)	System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	(A)			
CO3 MVI-225-4/1	3353443	30	208V-230V	~3	6" 300#	435	68	76	87.1	79.57	57.76	58.75	62.09	3415.77	76.7-68.4	229	
CO3 MVI-225-4	3353444	30	208V-230V	~3	6" 300#	435	68	76	87.1	79.57	57.76	58.75	62.09	3415.83	76.7-68.4	229	
CO3 MVI-225-5/2	3353445	40	208V-230V	~3	6" 300#	435	74	82	87.1	85.57	57.76	59.74	67.79	3923.22	101-92.6	312.1	
CO3 MVI-225-5/1	3353446	40	208V-230V	~3	6" 300#	435	74	82	87.1	85.57	57.76	59.74	67.79	3923.22	101-92.6	312.1	
CO3 MVI-225-5	3353447	40	208V-230V	~3	6" 300#	435	74	82	87.1	85.57	57.76	59.74	67.79	3923.22	101-92.6	312.1	
CO3 MVI-225-4/1	3353932	30	460V	~3	6" 300#	435	68	76	61.1	79.57	57.76	57.76	62.09	3579.78	34.2	104.8	
CO3 MVI-225-4	3353933	30	460V	~3	6" 300#	435	68	76	61.1	79.57	57.76	57.76	62.09	3579.84	34.2	104.8	
CO3 MVI-225-5/2	3353934	40	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3845.93	46.3	148.6	
CO3 MVI-225-5/1	3353935	40	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3845.93	46.3	148.6	
CO3 MVI-225-5	3353936	40	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3845.93	46.3	148.6	
CO3 MVI-225-6/2	3353937	50	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	70.94	4028.15	56.1	182.8	
CO3 MVI-225-6	3353938	50	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	70.94	4028.27	56.1	182.8	
CO3 MVI-225-7/2	3353939	50	460V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	74.09	4052.39	56.1	182.8	
CO3 MVI-225-7	3353940	60	460V	~3	6" 300#	435	86	94	71.1	97.57	57.76	57.76	76.82	4940.66	67	218.5	
CO3 MVI-225-8/1	3353941	60	460V	~3	6" 300#	435	86	94	74.1	97.57	57.76	57.76	79.97	4966.12	67	218.5	
CO3 MVI-225-4/1	3354421	30	575V	~3	6" 300#	435	68	76	69.1	79.57	57.76	57.76	62.09	3341.55	27.4	95.5	
CO3 MVI-225-4	3354422	30	575V	~3	6" 300#	435	68	76	69.1	79.57	57.76	57.76	62.09	3341.61	27.4	95.5	
CO3 MVI-225-5/2	3354423	40	575V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3857.93	37	129.7	
CO3 MVI-225-5/1	3354424	40	575V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3857.93	37	129.7	
CO3 MVI-225-5	3354425	40	575V	~3	6" 300#	435	74	82	69.1	85.57	57.76	57.76	67.79	3857.93	37	129.7	
CO3 MVI-225-6/2	3354426	50	575V	~3	6" 300#	435	74	82	89.1	85.57	57.76	59.75	70.94	4049.95	44.9	157	
CO3 MVI-225-6	3354427	50	575V	~3	6" 300#	435	74	82	89.1	85.57	57.76	59.75	70.94	4050.07	44.9	157	
CO3 MVI-225-7/2	3354428	50	575V	~3	6" 300#	435	74	82	89.1	85.57	57.76	59.75	74.09	4074.19	44.9	157	
CO3 MVI-225-7	3354429	60	575V	~3	6" 300#	435	86	94	87.1	97.57	57.76	60.75	76.82	5010.3	53.6	190.9	
CO3 MVI-225-8/1	3354430	60	575V	~3	6" 300#	435	86	94	91.1	97.57	57.76	60.75	79.97	5037.23	53.6	190.9	

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

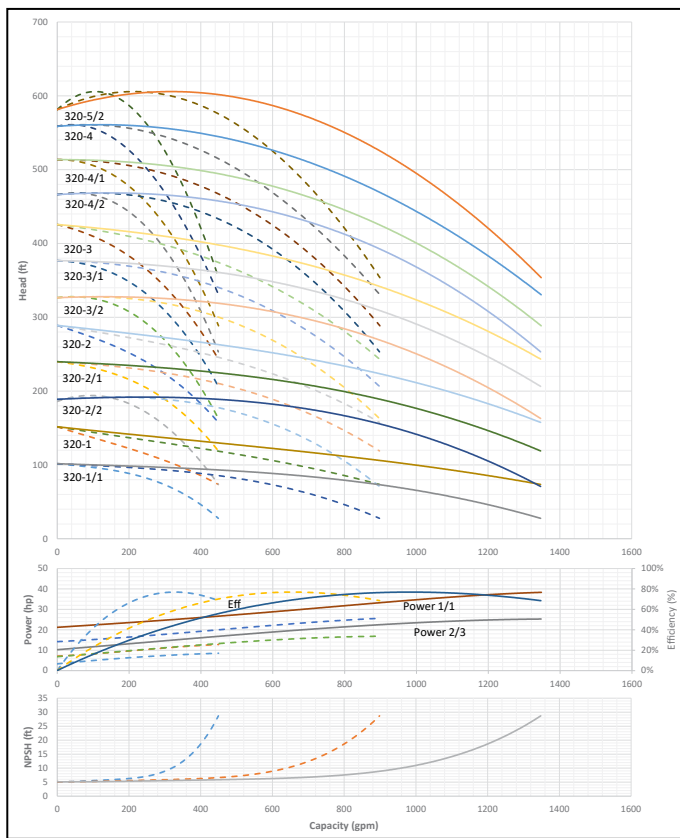


CO3 MVI-320



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-320				1			3600



Applications

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

Materials of Construction

Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges

Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel

Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F

Approval Stamp

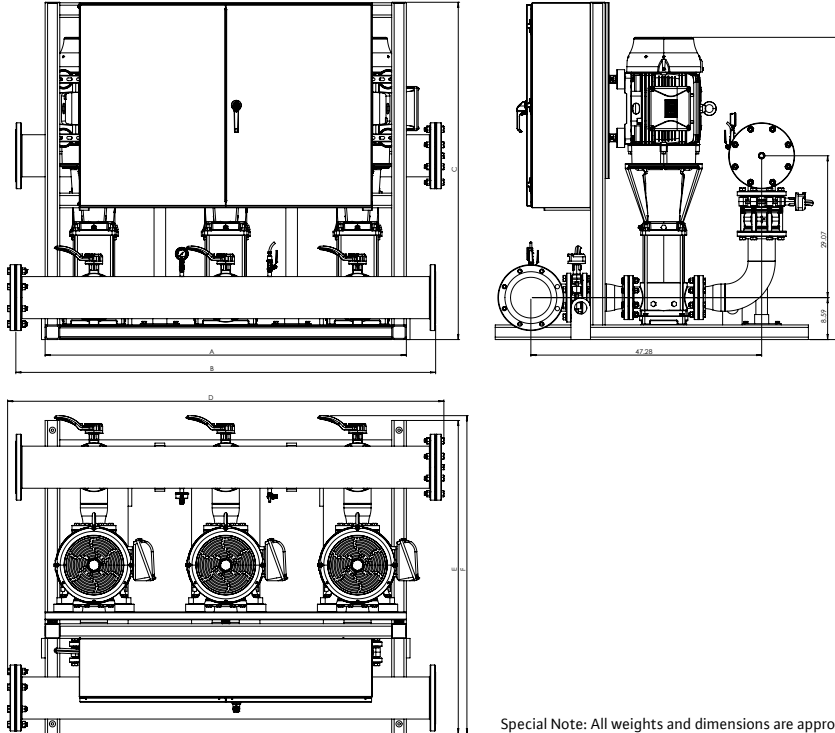
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-320

150# Discharge



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

CO3 MVI-320

TEFC Motor Data
(Per Motor)

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)									System Weight (Lbs)	Motor FLA (per pump)		System FLA
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	(A)					
CO3 MVI-320-1/1	3354638	7.5	208V-230V	~3	8" 150#	232	51.5	59.5	61.1	62.87	64.16	65.1	42.08	2146.54	19.2-17.3	64-55			
CO3 MVI-320-1	3354639	15	208V-230V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	50.54	3104.56	38.5-34.8	124-115.6			
CO3 MVI-320-2/2	3354640	15	208V-230V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	53.78	3130.54	38.5-34.8	124-115.6			
CO3 MVI-320-2/1	3354641	20	208V-230V	~3	8" 150#	232	68	80	69.1	83.37	64.16	65.1	53.78	2913.31	50.2-45.4	159.1			
CO3 MVI-320-2	3354642	25	208V-230V	~3	8" 150#	232	68	80	69.1	83.37	64.16	65.1	56.04	3147.82	63.0-57.6	196			
CO3 MVI-320-3/2	3354643	30	208V-230V	~3	8" 150#	232	68	80	91.1	83.37	64.16	65.1	59.29	3290.36	76.7-68.4	229			
CO3 MVI-320-3/1	3354644	40	208V-230V	~3	8" 150#	232	74	86	87.1	89.37	64.16	65.1	61.84	3769.22	101-92.6	312.1			
CO3 MVI-320-3	3354645	40	208V-230V	~3	8" 150#	232	74	86	87.1	89.37	64.16	65.1	61.84	3769.22	101-92.6	312.1			
CO3 MVI-320-1/1	3354674	7.5	460V	~3	8" 150#	232	51.5	59.5	61.1	62.87	64.16	65.1	42.08	2145.16	8.67	34			
CO3 MVI-320-1	3354675	15	460V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	50.54	2834.13	17.4	56.2			
CO3 MVI-320-2/2	3354676	15	460V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	53.78	2860.11	17.4	56.2			
CO3 MVI-320-2/1	3354677	20	460V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	53.78	2884.11	22.7	75.1			
CO3 MVI-320-2	3354678	25	460V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	56.04	3389.05	28.8	88.9			
CO3 MVI-320-3/2	3354679	30	460V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	59.29	3448.54	34.2	104.8			
CO3 MVI-320-3/1	3354680	40	460V	~3	8" 150#	232	74	86	69.1	89.37	64.16	65.1	61.84	3691.99	46.3	148.6			
CO3 MVI-320-3	3354681	40	460V	~3	8" 150#	232	74	86	69.1	89.37	64.16	65.1	61.84	3691.99	46.3	148.6			
CO3 MVI-320-1/1	3354710	7.5	575V	~3	8" 150#	232	51.5	59.5	61.1	62.87	64.16	65.1	42.08	2152.54	6.94	25.9			
CO3 MVI-320-1	3354711	15	575V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	50.54	2997.56	13.8	48.1			
CO3 MVI-320-2/2	3354712	15	575V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	53.78	3023.54	13.8	48.1			
CO3 MVI-320-2/1	3354713	20	575V	~3	8" 150#	232	68	80	61.1	83.37	64.16	65.1	53.78	3047.54	18.2	65.2			
CO3 MVI-320-2	3354714	25	575V	~3	8" 150#	232	68	80	69.1	83.37	64.16	65.1	56.04	3126.82	23	78.1			
CO3 MVI-320-3/2	3354715	30	575V	~3	8" 150#	232	68	80	69.1	83.37	64.16	65.1	59.29	3210.31	27.4	95.5			
CO3 MVI-320-3/1	3354716	40	575V	~3	8" 150#	232	74	86	69.1	89.37	64.16	65.1	61.84	3703.99	37	129.7			
CO3 MVI-320-3	3354717	40	575V	~3	8" 150#	232	74	86	69.1	89.37	64.16	65.1	61.84	3703.99	37	129.7			

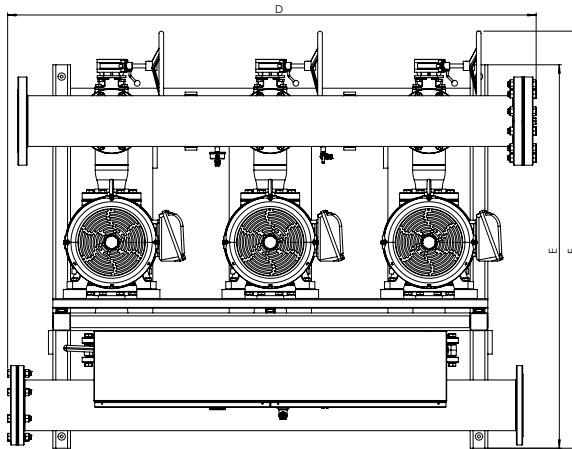
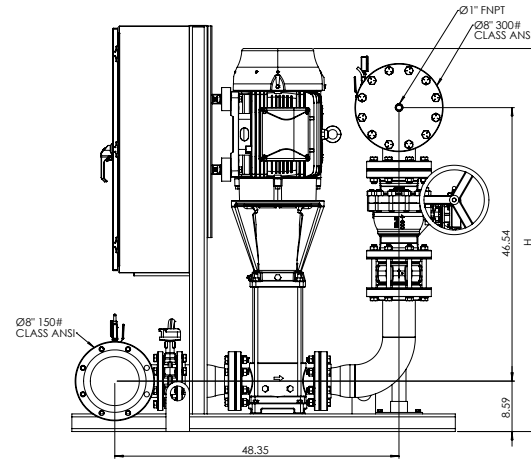
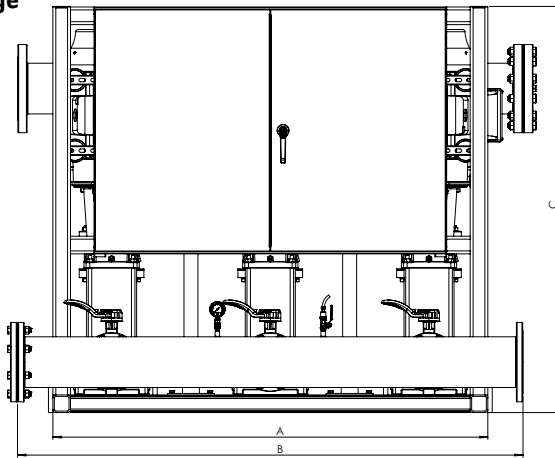
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-320

300# Discharge



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

CO3 MVI-320

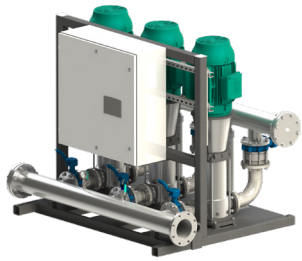
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)							TEFC Motor Data (Per Motor)		
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	Motor FLA (per pump)	System FLA
CO3 MVI-320-4/2	3354646	40	208V-230V	~3	8" 300#	435	74	86	87.1	89.92	65.23	70.95	65.09	4249.96	101-92.6	312.1
CO3 MVI-320-4/2	3354682	40	460V	~3	8" 300#	435	74	86	69.1	89.92	65.23	70.95	65.09	4172.74	46.3	148.6
CO3 MVI-320-4/1	3354683	50	460V	~3	8" 300#	435	74	86	69.1	89.92	65.23	70.95	65.09	4331.32	56.1	182.8
CO3 MVI-320-4	3354684	50	460V	~3	8" 300#	435	74	86	69.1	89.92	65.23	70.95	65.09	4331.32	56.1	182.8
CO3 MVI-320-5/2	3354685	60	460V	~3	8" 300#	435	86	98	69.1	101.92	65.23	70.95	71.07	5221.12	67	218.5
CO3 MVI-320-4/2	3354718	40	575V	~3	8" 300#	435	74	86	69.1	89.92	65.23	70.95	65.09	4184.74	37	129.7
CO3 MVI-320-4/1	3354719	50	575V	~3	8" 300#	435	74	86	87.1	89.92	65.23	70.95	65.09	4354.54	44.9	157
CO3 MVI-320-4	3354720	50	575V	~3	8" 300#	435	74	86	87.1	89.92	65.23	70.95	65.09	4354.54	44.9	157
CO3 MVI-320-5/2	3354721	60	575V	~3	8" 300#	435	86	98	87.1	101.92	65.23	71.03	71.07	5289.35	53.6	190.9

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

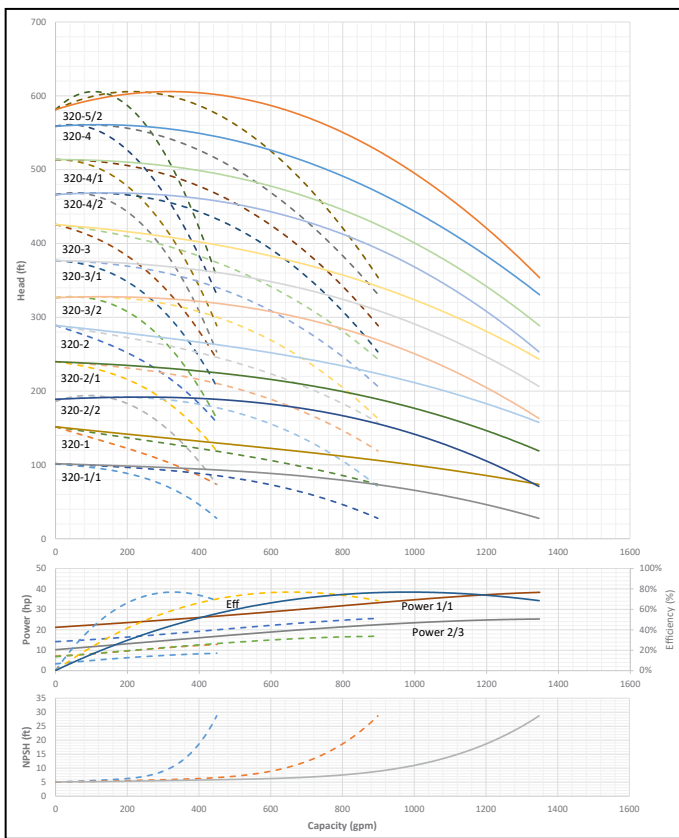


CO3 MVI-1SB-320



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-1SB-320				1			3600



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

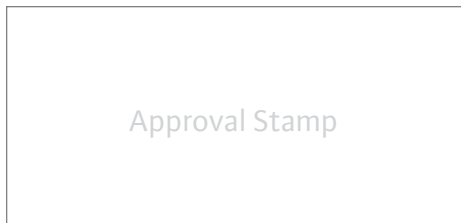
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



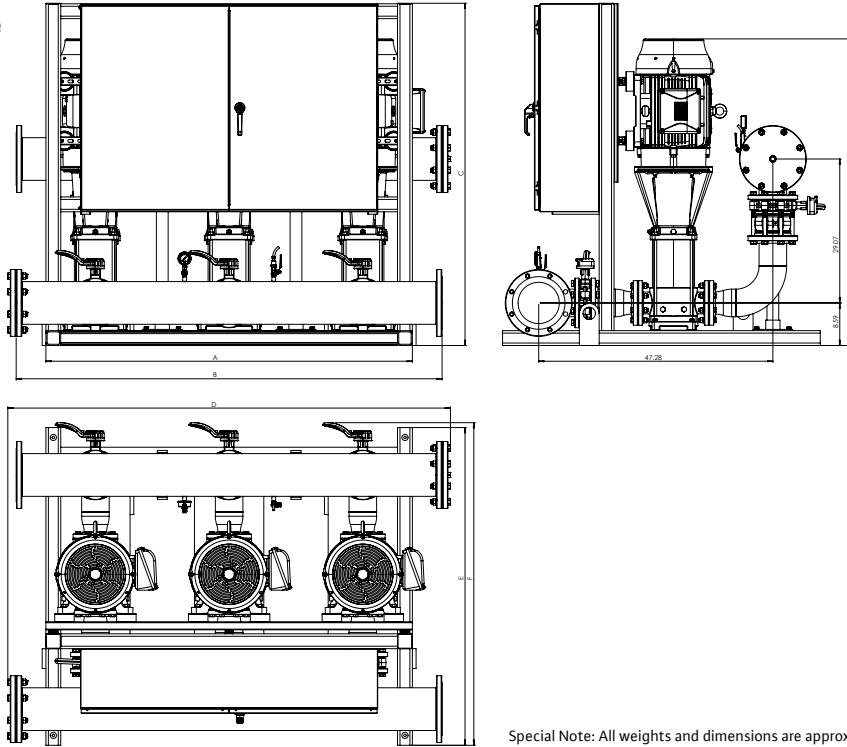
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-320

150# Discharge



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

CO3 MVI-1SB-320

TEFC Motor Data (Per Motor)

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)							System Weight (Lbs)	TEFC Motor Data (Per Motor)	
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)		Motor FLA (per pump)	System FLA
CO3 MVI-1SB-320-1/1	3354932	7.5	208V-230V	~3	6" 150#	232	51.5	59.5	61.1	62.63	61.16	64.1	42.08	2088.21	19.2-17.3	64-55
CO3 MVI-1SB-320-1	3354933	15	208V-230V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	50.54	3041.94	38.5-34.8	124-115.6
CO3 MVI-1SB-320-2/2	3354934	15	208V-230V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	53.78	3067.92	38.5-34.8	124-115.6
CO3 MVI-1SB-320-2/1	3354935	20	208V-230V	~3	6" 150#	232	68	76	69.1	79.13	61.16	64.1	53.78	2850.69	50.2-45.4	159.1
CO3 MVI-1SB-320-2	3354936	25	208V-230V	~3	6" 150#	232	68	76	69.1	79.13	61.16	64.1	56.04	3085.2	63.0-57.6	196
CO3 MVI-1SB-320-3/2	3354937	30	208V-230V	~3	6" 150#	232	68	76	87.1	79.13	61.16	64.1	59.29	3221.92	76.7-68.4	229
CO3 MVI-1SB-320-3/1	3354938	40	208V-230V	~3	6" 150#	232	74	82	87.1	85.13	61.16	64.68	61.84	3706.08	101-92.6	312.1
CO3 MVI-1SB-320-3	3354939	40	208V-230V	~3	6" 150#	232	74	82	87.1	85.13	61.16	64.68	61.84	3706.08	101-92.6	312.1
CO3 MVI-1SB-320-1/1	3355222	7.5	460V	~3	6" 150#	232	51.5	59.5	61.1	62.63	61.16	64.1	42.08	2086.83	8.67	34
CO3 MVI-1SB-320-1	3355223	15	460V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	50.54	2769.81	17.4	56.2
CO3 MVI-1SB-320-2/2	3355224	15	460V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	53.78	2795.79	17.4	56.2
CO3 MVI-1SB-320-2/1	3355225	20	460V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	53.78	2819.79	22.7	75.1
CO3 MVI-1SB-320-2	3355226	25	460V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	56.04	3326.43	28.8	88.9
CO3 MVI-1SB-320-3/2	3355227	30	460V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	59.29	3385.92	34.2	104.8
CO3 MVI-1SB-320-3/1	3355228	40	460V	~3	6" 150#	232	74	82	69.1	85.13	61.16	64.1	61.84	3628.86	46.3	148.6
CO3 MVI-1SB-320-3	3355229	40	460V	~3	6" 150#	232	74	82	69.1	85.13	61.16	64.1	61.84	3628.86	46.3	148.6
CO3 MVI-1SB-320-1/1	3355512	7.5	575V	~3	6" 150#	232	51.5	59.5	61.1	62.63	61.16	64.1	42.08	2094.21	6.94	25.9
CO3 MVI-1SB-320-1	3355513	15	575V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	50.54	2934.94	13.8	48.1
CO3 MVI-1SB-320-2/2	3355514	15	575V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	53.78	2960.92	13.8	48.1
CO3 MVI-1SB-320-2/1	3355515	20	575V	~3	6" 150#	232	68	76	61.1	79.13	61.16	64.1	53.78	2984.92	18.2	65.2
CO3 MVI-1SB-320-2	3355516	25	575V	~3	6" 150#	232	68	76	69.1	79.13	61.16	64.1	56.04	3064.2	23	78.1
CO3 MVI-1SB-320-3/2	3355517	30	575V	~3	6" 150#	232	68	76	69.1	79.13	61.16	64.1	59.29	3147.69	27.4	95.5
CO3 MVI-1SB-320-3/1	3355518	40	575V	~3	6" 150#	232	74	82	69.1	85.13	61.16	64.1	61.84	3640.86	37	129.7
CO3 MVI-1SB-320-3	3355519	40	575V	~3	6" 150#	232	74	82	69.1	85.13	61.16	64.1	61.84	3640.86	37	129.7

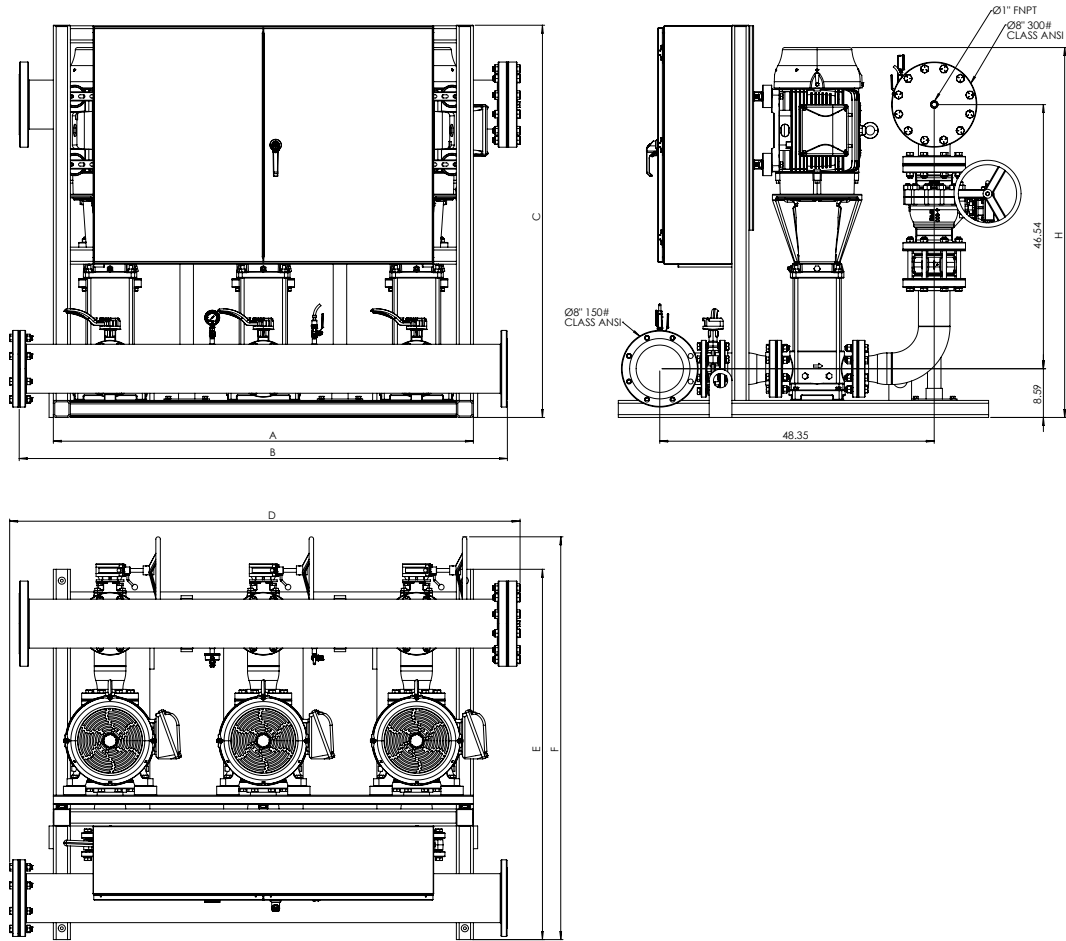
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-320

300# Discharge



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

CO3 MVI-1SB-320

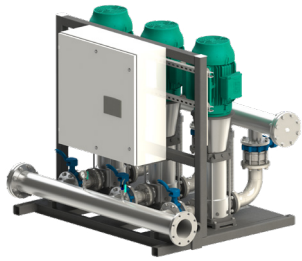
CO3 MVI-1SB-320														TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)							System Weight (Lbs)	Motor FLA	System FLA
							A	B	C	D	E	F	H		(A)	(per pump)
CO3 MVI-1SB-320-4/2	3354940	40	208V-230V	~3	6" 300#	435	74	82	87.1	85.57	62.23	70.03	65.09	4168.92	101-92.6	312.1
CO3 MVI-1SB-320-4/2	3355230	40	460V	~3	6" 300#	435	74	82	69.1	85.57	62.23	69.95	65.09	4091.7	46.3	148.6
CO3 MVI-1SB-320-4/1	3355231	50	460V	~3	6" 300#	435	74	82	69.1	85.57	62.23	69.95	65.09	4250.28	56.1	182.8
CO3 MVI-1SB-320-4	3355232	50	460V	~3	6" 300#	435	74	82	69.1	85.57	62.23	69.95	65.09	4250.28	56.1	182.8
CO3 MVI-1SB-320-5/2	3355233	60	460V	~3	6" 300#	435	86	94	69.1	97.57	62.23	69.95	71.07	5139.04	67	218.5
CO3 MVI-1SB-320-4/2	3355520	40	575V	~3	6" 300#	435	74	82	69.1	85.57	62.23	69.95	65.09	4103.7	37	129.7
CO3 MVI-1SB-320-4/1	3355521	50	575V	~3	6" 300#	435	74	82	103.1	85.57	62.23	69.95	65.09	4292.5	44.9	157
CO3 MVI-1SB-320-4	3355522	50	575V	~3	6" 300#	435	74	82	103.1	85.57	62.23	69.95	65.09	4292.5	44.9	157
CO3 MVI-1SB-320-5/2	3355523	60	575V	~3	6" 300#	435	86	94	103.1	97.57	62.23	71.03	71.07	5226.26	53.6	190.9

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

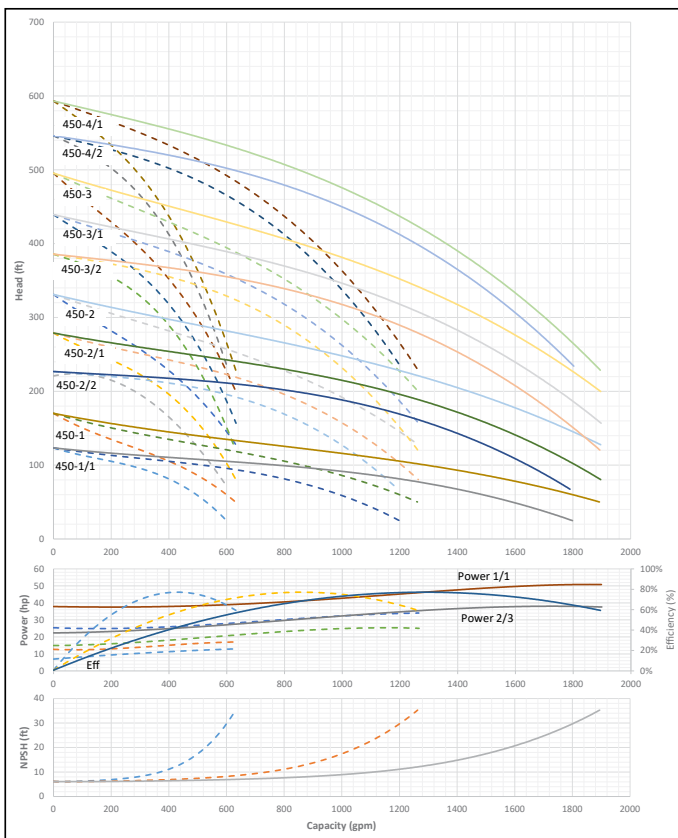


CO3 MVI-450



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-450				1			3600



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

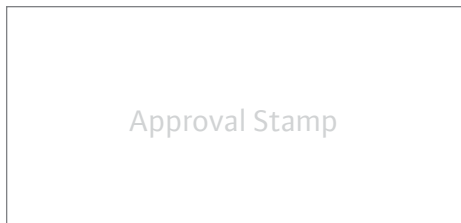
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460-3 or 575-3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V-1 IN / 208-230V-3 OUT • 1 HP to 60 HP 208-230V-3 • 1 HP to 100 HP 460V-3 • 1 HP to 100 HP 575V-3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575-3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



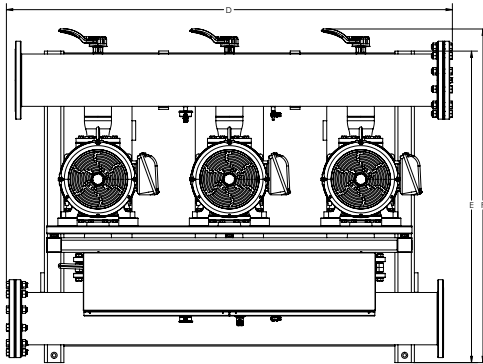
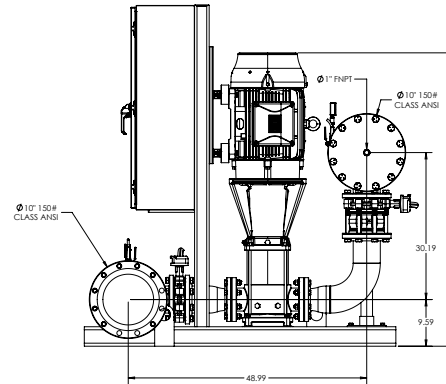
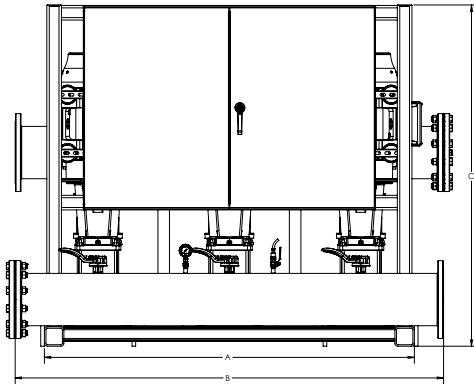
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-450

150# Discharge



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

CO3 MVI-450

TEFC Motor Data (Per Motor)

Dimensions - Inches (in)

Motor FLA (per pump) System FLA

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	(A)	
CO3 MVI-450-1/1	3353453	15	208V-230V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3347.27	38.5-34.8	124-115.6
CO3 MVI-450-1	3353454	15	208V-230V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3347.39	38.5-34.8	124-115.6
CO3 MVI-450-2/2	3353455	25	208V-230V	~3	10" 150#	232	70	82	70.1	85.6	64	68.93	57.72	2878.63	63.0-57.6	196
CO3 MVI-450-2/1	3353456	30	208V-230V	~3	10" 150#	232	70	82	92.1	85.6	64	68.93	57.72	3511.16	76.7-68.4	229
CO3 MVI-450-2	3353457	40	208V-230V	~3	10" 150#	232	76	88	92.1	91.56	64	68.57	60.27	3997.27	101-92.6	312.1
CO3 MVI-450-3/2	3353458	40	208V-230V	~3	10" 150#	232	76	88	92.1	91.56	64	68.57	63.86	4030.27	101-92.6	312.1
CO3 MVI-450-1/1	3353942	15	460V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3076.12	17.4	56.2
CO3 MVI-450-1	3353943	15	460V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3076.24	17.4	56.2
CO3 MVI-450-2/2	3353944	25	460V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	57.72	3121.31	28.8	88.9
CO3 MVI-450-2/1	3353945	30	460V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	57.72	3672.2	34.2	104.8
CO3 MVI-450-2	3353946	40	460V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	60.27	3915.66	46.3	148.6
CO3 MVI-450-3/2	3353947	40	460V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	63.86	3948.66	46.3	148.6
CO3 MVI-450-3/1	3353948	50	460V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	63.86	4105.44	56.1	182.8
CO3 MVI-450-3	3353949	50	460V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	63.86	4105.59	56.1	182.8
CO3 MVI-450-1/1	3354431	15	575V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3240.27	13.8	48.1
CO3 MVI-450-1	3354432	15	575V	~3	10" 150#	232	70	82	62.1	85.6	64	68.93	51.87	3240.39	13.8	48.1
CO3 MVI-450-2/2	3354433	25	575V	~3	10" 150#	232	70	82	70.1	85.6	64	68.93	57.72	2857.63	23	78.1
CO3 MVI-450-2/1	3354434	30	575V	~3	10" 150#	232	70	82	70.1	85.6	64	68.93	57.72	3432.52	27.4	95.5
CO3 MVI-450-2	3354435	40	575V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	60.27	3927.66	37	129.7
CO3 MVI-450-3/2	3354436	40	575V	~3	10" 150#	232	76	88	70.1	91.56	64	68.57	63.86	3960.66	37	129.7
CO3 MVI-450-3/1	3354437	50	575V	~3	10" 150#	232	76	88	104.1	91.56	64	68.57	63.86	4150.56	44.9	157
CO3 MVI-450-3	3354438	50	575V	~3	10" 150#	232	76	88	104.1	91.56	64	68.57	63.86	4150.71	44.9	157

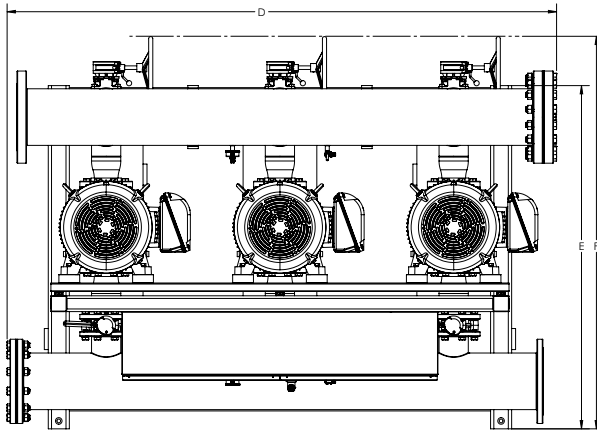
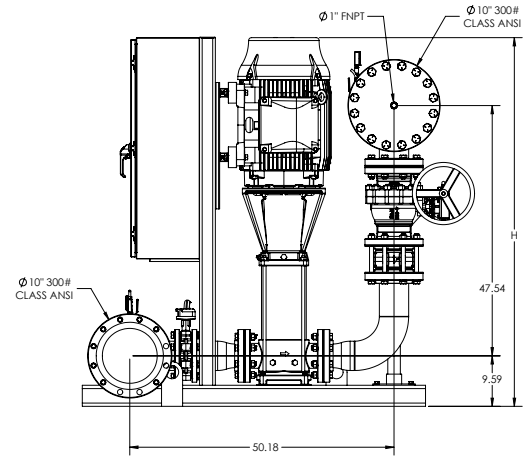
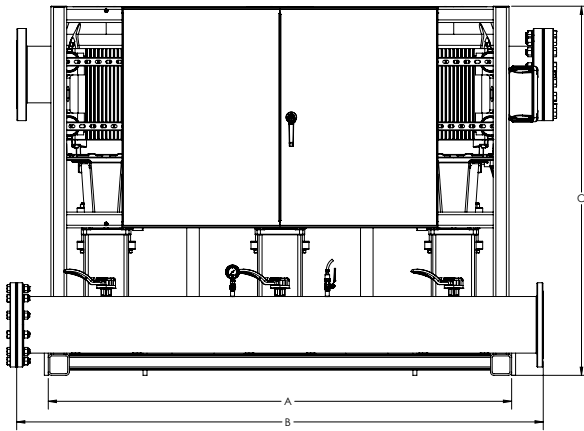
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-450

300# Discharge



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

CO3 MVI-450

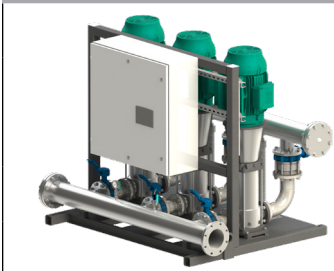
CO3 MVI-450															TEFC Motor Data (Per Motor)	
Dimensions - Inches (in)															Motor FLA (per pump)	System FLA
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	(A)	
CO3 MVI-450-4/2	3353950	60	460V	~3	10" 300#	435	88	100	70.1	104.24	65.18	74.5	70.02	5535.25	67	218.5
CO3 MVI-450-4/1	3353951	60	460V	~3	10" 300#	435	88	100	70.1	104.24	65.18	74.5	70.02	5536.39	67	218.5
CO3 MVI-450-4/2	3354439	60	575V	~3	10" 300#	435	88	100	104.1	104.24	65.18	74.5	70.02	5625.37	53.6	190.9
CO3 MVI-450-4/1	3354440	60	575V	~3	10" 300#	435	88	100	104.1	104.24	65.18	74.5	70.02	5626.51	53.6	190.9

Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System

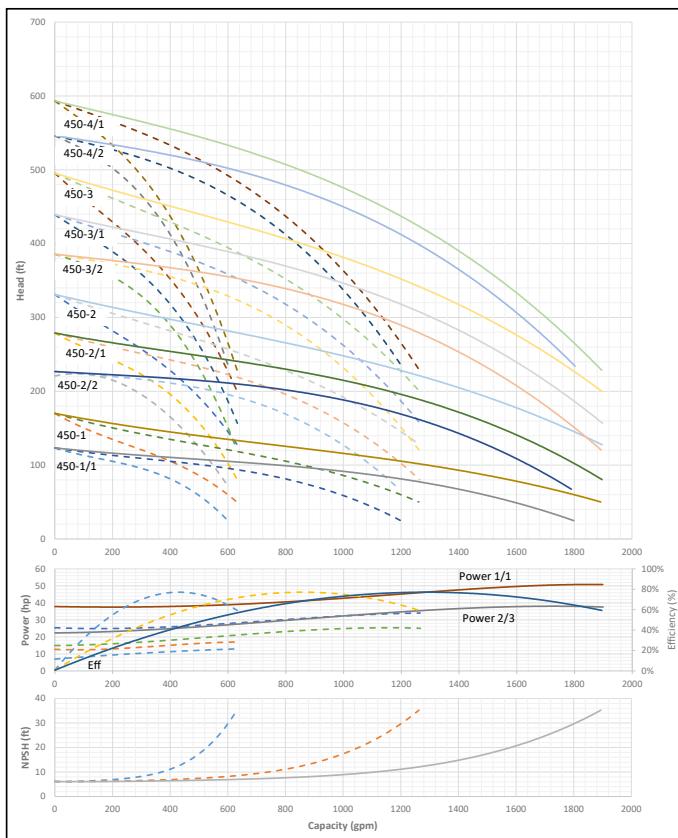


CO3 MVI-1SB-450



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-1SB-450				1			3600



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

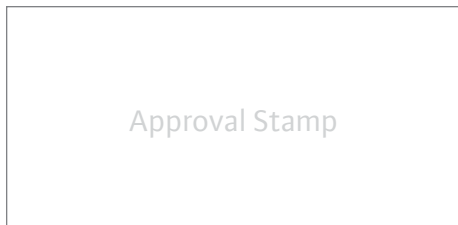
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



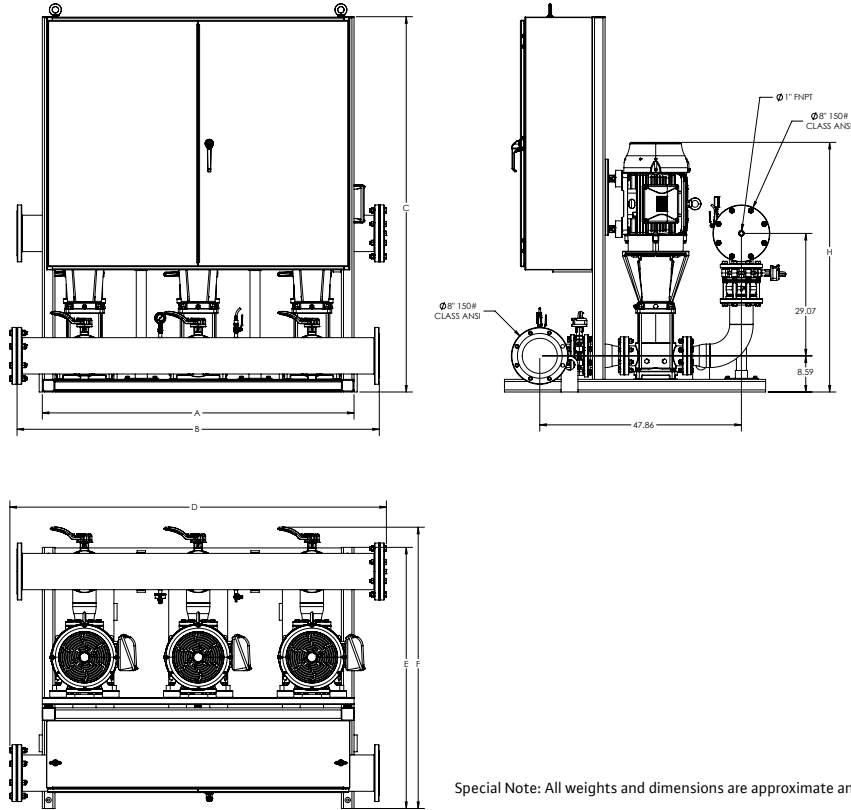
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-450

150# Discharge



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

CO3 MVI-1SB-450

Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (In)							System Weight (Lbs)	TEFC Motor Data (Per Motor)	
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)		Motor FLA (per pump)	System FLA
CO3 MVI-1SB-450-1/1	3354944	15	208V-230V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	3172.1	38.5-34.8	124-115.6
CO3 MVI-1SB-450-1	3354945	15	208V-230V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	3172.22	38.5-34.8	124-115.6
CO3 MVI-1SB-450-2/2	3354946	25	208V-230V	~3	8" 150#	232	68	80	69.1	83.37	62	68.53	56.72	2703.47	63.0-57.6	196
CO3 MVI-1SB-450-2/1	3354947	30	208V-230V	~3	8" 150#	232	68	80	89.1	83.37	62	68.53	56.72	3333.11	76.7-68.4	229
CO3 MVI-1SB-450-2	3354948	40	208V-230V	~3	8" 150#	232	74	86	89.1	89.37	62	66.77	59.27	3818.51	101-92.6	312.1
CO3 MVI-1SB-450-3/2	3354949	40	208V-230V	~3	8" 150#	232	74	86	89.1	89.37	62	66.77	62.86	3851.51	101-92.6	312.1
CO3 MVI-1SB-450-1/1	3355234	15	460V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	2900.95	17.4	56.2
CO3 MVI-1SB-450-1	3355235	15	460V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	2901.07	17.4	56.2
CO3 MVI-1SB-450-2/2	3355236	25	460V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	56.72	2946.14	28.8	88.9
CO3 MVI-1SB-450-2/1	3355237	30	460V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	56.72	3497.03	34.2	104.8
CO3 MVI-1SB-450-2	3355238	40	460V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	59.27	3739.82	46.3	148.6
CO3 MVI-1SB-450-3/2	3355239	40	460V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	62.86	3772.82	46.3	148.6
CO3 MVI-1SB-450-3/1	3355240	50	460V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	62.86	3929.6	56.1	182.8
CO3 MVI-1SB-450-3	3355241	50	460V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	62.86	3929.75	56.1	182.8
CO3 MVI-1SB-450-1/1	3355524	15	575V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	3065.1	13.8	48.1
CO3 MVI-1SB-450-1	3355525	15	575V	~3	8" 150#	232	68	80	61.1	83.37	62	68.53	50.87	3065.22	13.8	48.1
CO3 MVI-1SB-450-2/2	3355526	25	575V	~3	8" 150#	232	68	80	69.1	83.37	62	68.53	56.72	2682.47	23	78.1
CO3 MVI-1SB-450-2/1	3355527	30	575V	~3	8" 150#	232	68	80	69.1	83.37	62	68.53	56.72	3257.36	27.4	95.5
CO3 MVI-1SB-450-2	3355528	40	575V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	59.27	3751.82	37	129.7
CO3 MVI-1SB-450-3/2	3355529	40	575V	~3	8" 150#	232	74	86	69.1	89.37	62	66.77	62.86	3784.82	37	129.7
CO3 MVI-1SB-450-3/1	3355530	50	575V	~3	8" 150#	232	74	86	103.1	89.37	62	66.77	62.86	3974.72	44.9	157
CO3 MVI-1SB-450-3	3355531	50	575V	~3	8" 150#	232	74	86	103.1	89.37	62	66.77	62.86	3974.87	44.9	157

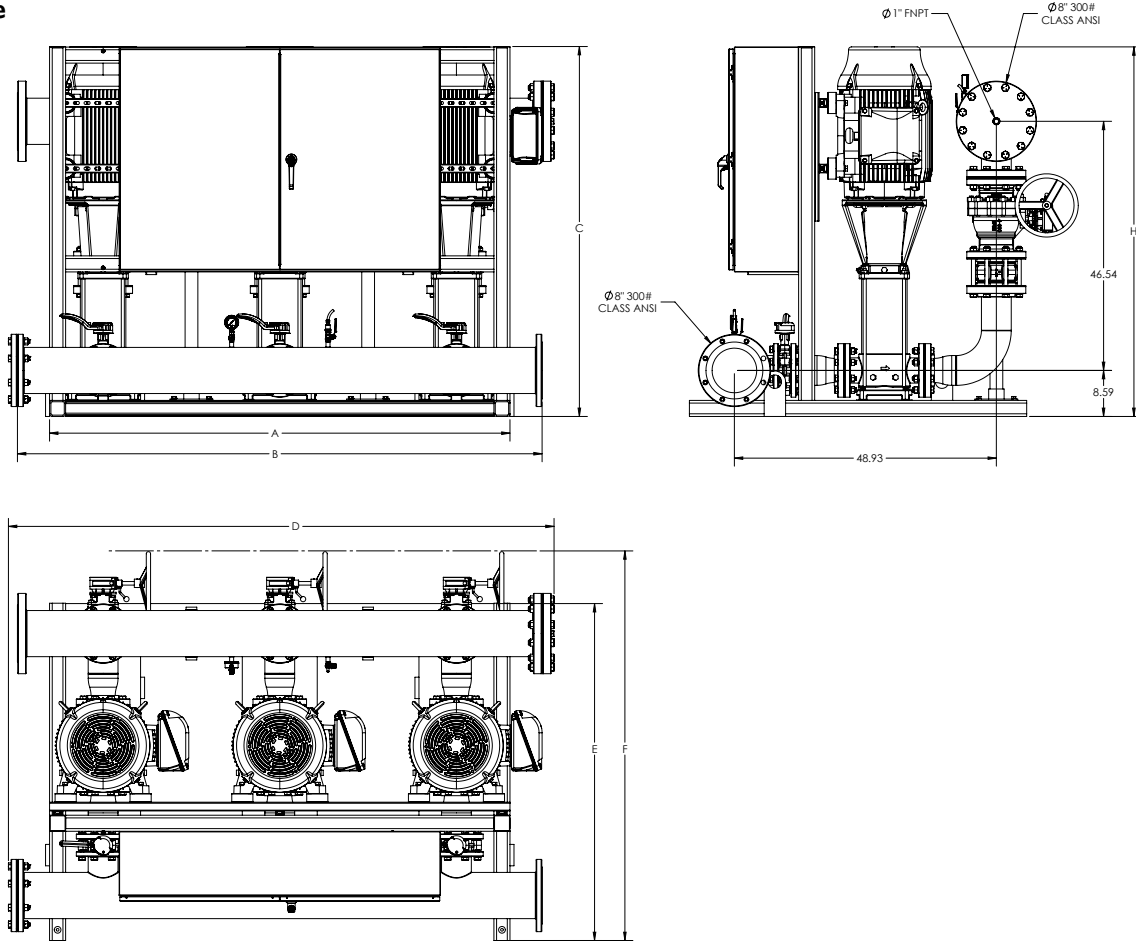
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-450

300# Discharge



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

CO3 MVI-1SB-450

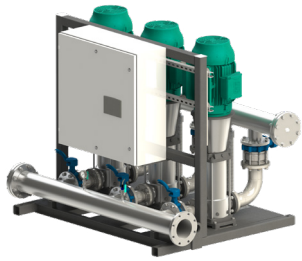
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								TEFC Motor Data (Per Motor)	
							A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	System Weight (Lbs)	Motor FLA (per pump)	System FLA
CO3 MVI-1SB-450-4/2	3355242	60	460V	~3	8" 300#	435	86	98	69.1	101.92	63	72.63	69.02	5322.47	67	218.5
CO3 MVI-1SB-450-4/1	3355243	60	460V	~3	8" 300#	435	86	98	69.1	101.92	63	72.63	69.02	5323.61	67	218.5
CO3 MVI-1SB-450-4/2	3355532	60	575V	~3	8" 300#	435	86	98	103.1	101.92	63	72.63	69.02	5412.59	53.6	190.9
CO3 MVI-1SB-450-4/1	3355533	60	575V	~3	8" 300#	435	86	98	103.1	101.92	63	72.63	69.02	5413.73	53.6	190.9

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

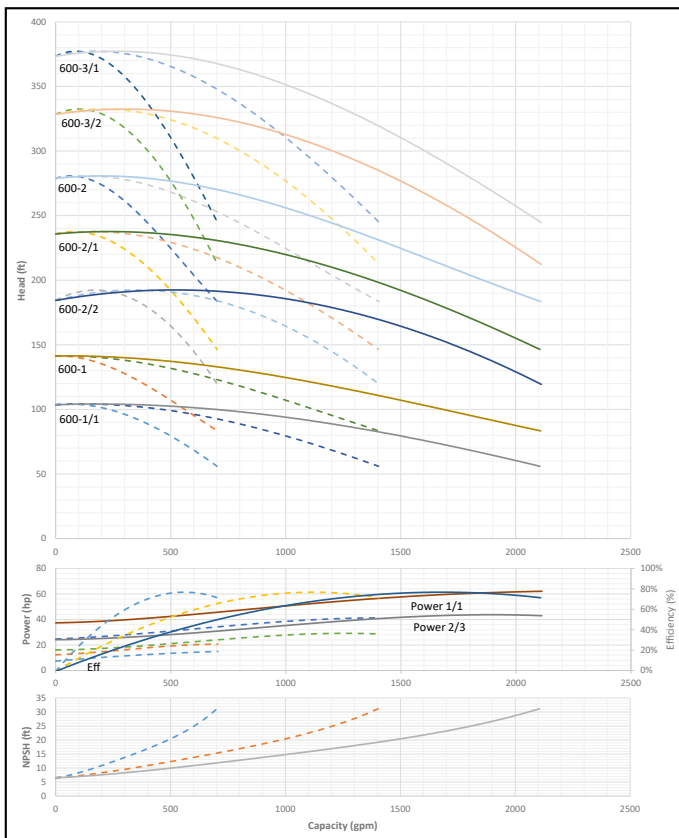


CO3 MVI-600



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-600				1			3600



Applications

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

Materials of Construction

Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges

Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel

Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F

Approval Stamp

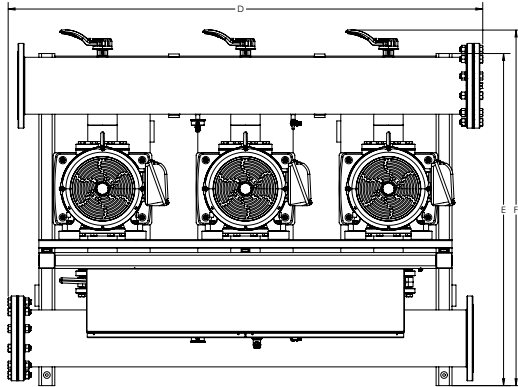
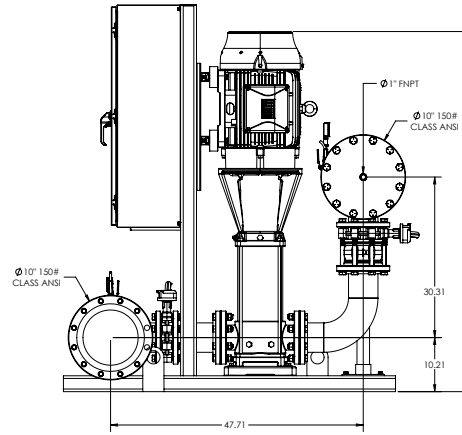
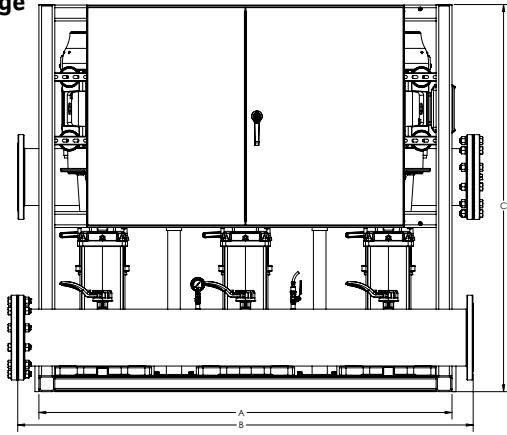
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-600

150# Discharge



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

CO3 MVI-600															TEFC Motor Data (Per Motor)		
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								System Weight (Lbs)	Motor FLA	System
							A	B	C	D	E	F	H	(A)		FLA	
CO3 MVI-600-1/1	3353463	20	208V-230V	~3	10" 150#	232	72	80	75.1	83.56	62	67.18	56.87	3270.43	50.2-45.4	159.1	
CO3 MVI-600-1	3353464	25	208V-230V	~3	10" 150#	232	72	80	73.1	83.56	62	67.18	59.13	3499.67	63.0-57.6	196	
CO3 MVI-600-2/2	3353465	40	208V-230V	~3	10" 150#	232	78	86	91.1	89.56	62.71	67.18	67.8	4189.82	101-92.6	312.1	
CO3 MVI-600-2/1	3353466	40	208V-230V	~3	10" 150#	232	78	86	91.1	89.56	62.71	67.18	67.8	4189.82	101-92.6	312.1	
CO3 MVI-600-1/1	3353952	20	460V	~3	10" 150#	232	72	80	61.1	83.56	62	67.18	56.87	3230.31	22.7	75.1	
CO3 MVI-600-1	3353953	25	460V	~3	10" 150#	232	72	80	65.1	83.56	65	67.18	59.13	3746.81	28.8	88.9	
CO3 MVI-600-2/2	3353954	40	460V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4109.7	46.3	148.6	
CO3 MVI-600-2/1	3353955	40	460V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4109.7	46.3	148.6	
CO3 MVI-600-2	3353956	50	460V	~3	10" 150#	232	78	86	69.1	89.56	62.71	67.18	67.8	4262.83	56.1	182.8	
CO3 MVI-600-3/2	3353957	60	460V	~3	10" 150#	232	90	98	75.1	101.56	62.71	67.18	76.66	5230.01	67	218.5	
CO3 MVI-600-3/1	3353958	60	460V	~3	10" 150#	232	90	98	75.1	101.56	62.71	67.18	76.66	5230.52	67	218.5	
CO3 MVI-600-1/1	3354441	20	575V	~3	10" 150#	232	72	80	69.1	83.56	62	67.18	56.87	3406.13	18.2	65.2	
CO3 MVI-600-1	3354442	25	575V	~3	10" 150#	232	72	80	73.1	83.56	62	67.18	59.13	3478.67	23	78.1	
CO3 MVI-600-2/2	3354443	40	575V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4121.7	37	129.7	
CO3 MVI-600-2/1	3354444	40	575V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4121.7	37	129.7	
CO3 MVI-600-2	3354445	50	575V	~3	10" 150#	232	78	86	103.1	89.56	62.71	67.18	67.8	4312.3	44.9	157	
CO3 MVI-600-3/2	3354446	60	575V	~3	10" 150#	232	90	98	103.1	101.56	62.71	67.18	76.66	5312.83	53.6	190.9	
CO3 MVI-600-3/1	3354447	60	575V	~3	10" 150#	232	90	98	103.1	101.56	62.71	67.18	76.66	5313.34	53.6	190.9	

Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System

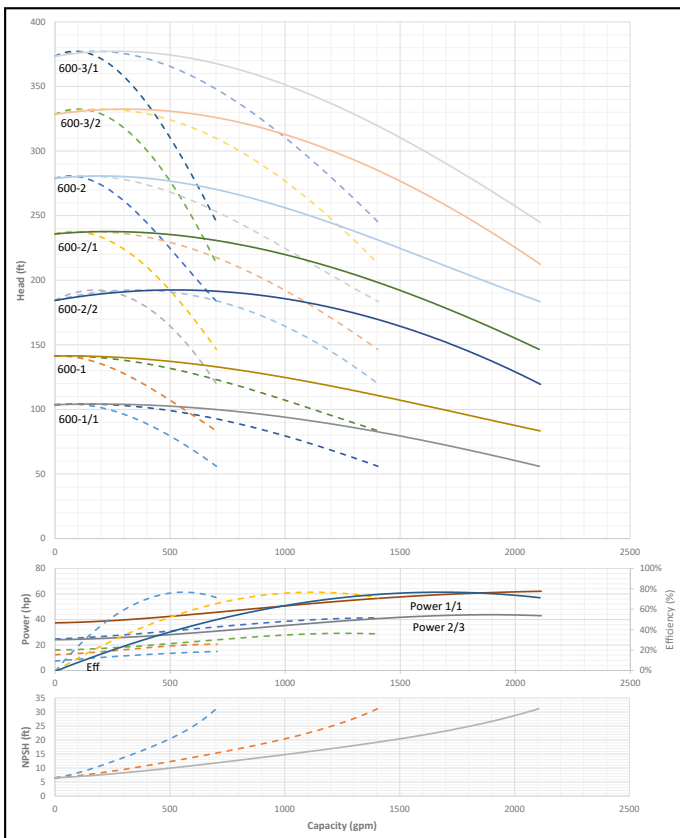


CO3 MVI-1SB-600



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-1SB-600				1			3600



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

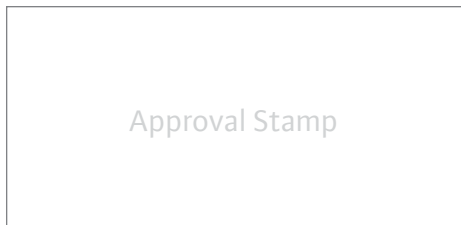
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



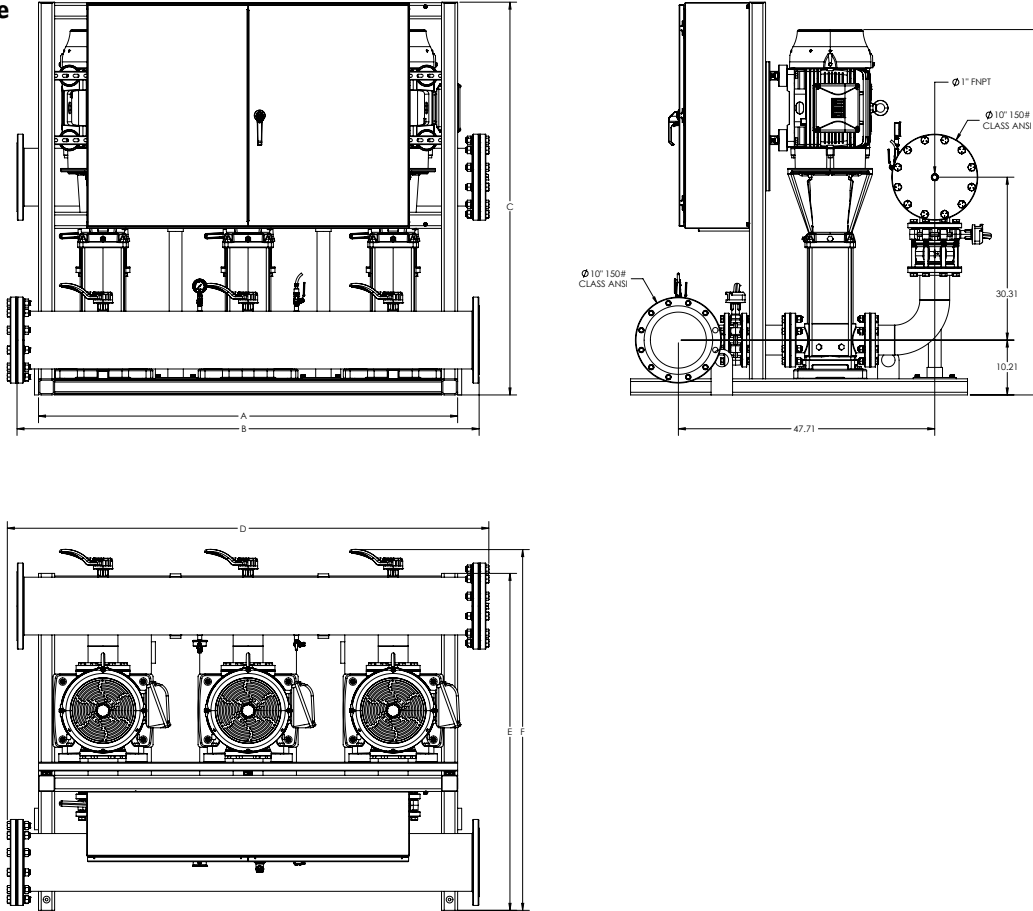
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-600

150# Discharge



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

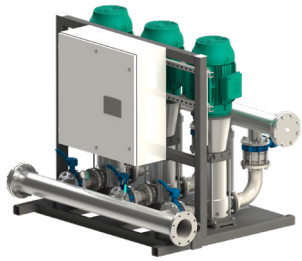
CO3 MVI-1SB-600															TEFC Motor Data (Per Motor)	
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	A (in)	B (in)	C (in)	Dimensions - Inches (in)				System Weight (Lbs)	Motor FLA	System
										D (in)	E (in)	F (in)	H (in)		(A)	FLA
CO3 MVI-1SB-600-1/1	3354954	20	208V-230V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	56.87	3178.13	50.2-45.4	159.1
CO3 MVI-1SB-600-1	3354955	25	208V-230V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	59.13	3413.18	63.0-57.6	196
CO3 MVI-1SB-600-2/2	3354956	40	208V-230V	~3	8" 150#	232	78	86	91.1	89.37	61	65.93	67.8	4107.37	101-92.6	312.1
CO3 MVI-1SB-600-2/1	3354957	40	208V-230V	~3	8" 150#	232	78	86	91.1	89.37	61	65.93	67.8	4107.37	101-92.6	312.1
CO3 MVI-1SB-600-1/1	3355244	20	460V	~3	8" 150#	232	72	80	61.1	83.37	61	65.93	56.87	3149.65	22.7	75.1
CO3 MVI-1SB-600-1	3355245	25	460V	~3	8" 150#	232	72	80	65.1	83.37	61	65.93	59.13	3661.69	28.8	88.9
CO3 MVI-1SB-600-2/2	3355246	40	460V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4033.07	46.3	148.6
CO3 MVI-1SB-600-2/1	3355247	40	460V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4033.07	46.3	148.6
CO3 MVI-1SB-600-2	3355248	50	460V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4192.04	56.1	182.8
CO3 MVI-1SB-600-3/2	3355249	60	460V	~3	8" 150#	232	90	98	71.1	101.37	61	65.93	76.66	5137.49	67	218.5
CO3 MVI-1SB-600-3/1	3355250	60	460V	~3	8" 150#	232	90	98	71.1	101.37	61	65.93	77.13	5138	67	218.5
CO3 MVI-1SB-600-1/1	3355534	20	575V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	56.87	3325.48	18.2	65.2
CO3 MVI-1SB-600-1	3355535	25	575V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	59.13	3392.18	23	78.1
CO3 MVI-1SB-600-2/2	3355536	40	575V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4045.07	37	129.7
CO3 MVI-1SB-600-2/1	3355537	40	575V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4045.07	37	129.7
CO3 MVI-1SB-600-2	3355538	50	575V	~3	8" 150#	232	78	86	103.1	89.37	61	65.93	67.8	4229.85	44.9	157
CO3 MVI-1SB-600-3/2	3355539	60	575V	~3	8" 150#	232	90	98	103.1	101.37	61	65.93	76.66	5229.04	53.6	190.9
CO3 MVI-1SB-600-3/1	3355540	60	575V	~3	8" 150#	232	90	98	103.1	101.37	61	65.93	76.66	5223.97	53.6	190.9

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

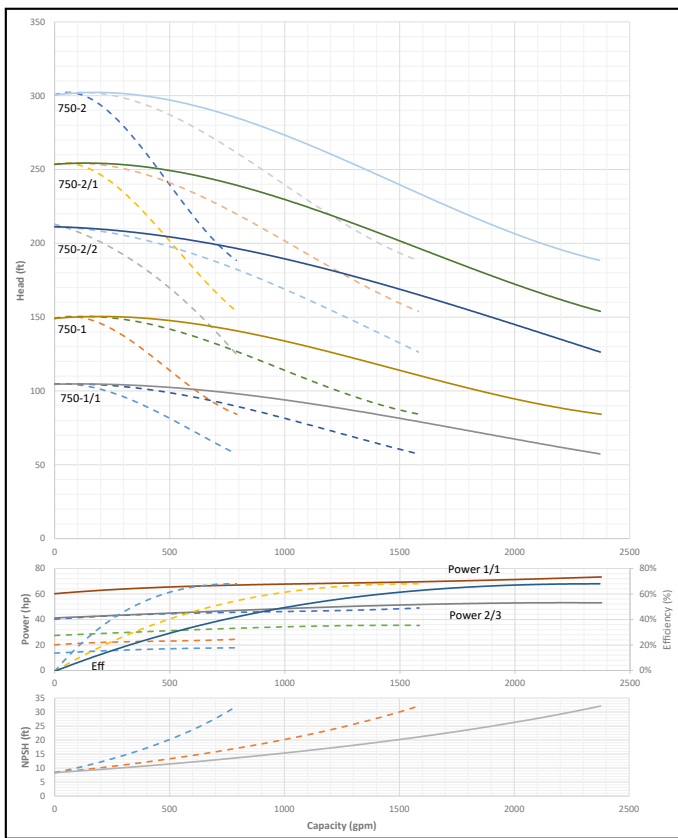


CO3 MVI-750



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-750				1			3600



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

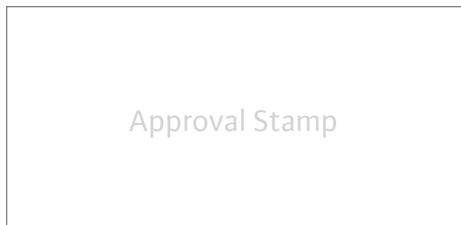
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460~3 or 575~3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V~1 IN / 208-230V~3 OUT • 1 HP to 60 HP 208-230V~3 • 1 HP to 100 HP 460V~3 • 1 HP to 100 HP 575V~3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575~3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



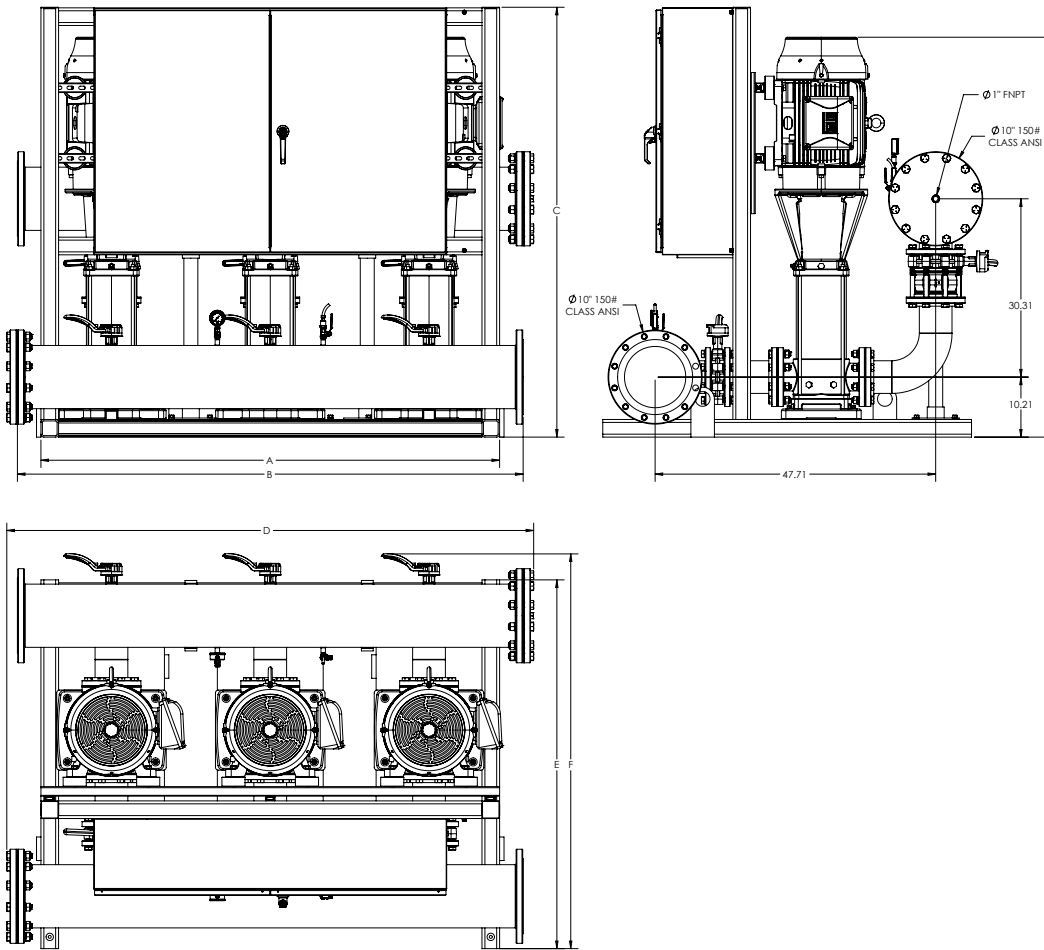
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-750

150# Discharge



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

CO3 MVI-750

CO3 MVI-750																TEFC Motor Data (Per Motor)	
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								System Weight (Lbs)	Motor FLA	System
							A	B	C	D	E	F	H	(per pump)		FLA	
CO3 MVI-750-1/1	3353475	25	208V-230V	~3	10" 150#	232	72	80	73.1	83.56	62.44	67.18	59.13	3522.93	63.0-57.6	196	
CO3 MVI-750-1	3353476	30	208V-230V	~3	10" 150#	232	72	80	91.1	83.56	62.44	67.18	59.13	3637.63	76.7-68.4	229	
CO3 MVI-750-2/2	3353477	40	208V-230V	~3	10" 150#	232	78	86	91.1	89.56	62.71	67.18	67.8	4186.82	101-92.6	312.1	
CO3 MVI-750-1/1	3353964	25	460V	~3	10" 150#	232	72	80	65.1	83.56	62.44	67.18	59.13	3765.6	28.8	88.9	
CO3 MVI-750-1	3353965	30	460V	~3	10" 150#	232	72	80	65.1	83.56	62.44	67.18	59.13	3800.19	34.2	104.8	
CO3 MVI-750-2/2	3353966	40	460V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4106.7	46.3	148.6	
CO3 MVI-750-2/1	3353967	50	460V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4263.78	56.1	182.8	
CO3 MVI-750-2	3353968	60	460V	~3	10" 150#	232	90	98	75.1	101.56	62.71	67.18	70.53	5161.88	67	218.5	
CO3 MVI-750-1/1	3354453	25	575V	~3	10" 150#	232	72	80	73.1	83.56	62.44	67.18	59.13	3501.93	23	78.1	
CO3 MVI-750-1	3354454	30	575V	~3	10" 150#	232	72	80	73.1	83.56	62.44	67.18	59.13	3560.52	27.4	95.5	
CO3 MVI-750-2/2	3354455	40	575V	~3	10" 150#	232	78	86	73.1	89.56	62.71	67.18	67.8	4118.7	37	129.7	
CO3 MVI-750-2/1	3354456	50	575V	~3	10" 150#	232	78	86	103.1	89.56	62.71	67.18	67.8	4307.41	44.9	157	
CO3 MVI-750-2	3354457	60	575V	~3	10" 150#	232	90	98	103.1	101.56	62.71	67.18	70.53	5244.7	53.6	190.9	

Submittal Data Sheet

Wilco-CO MVI - NSF 61/372 Pressure Boosting System

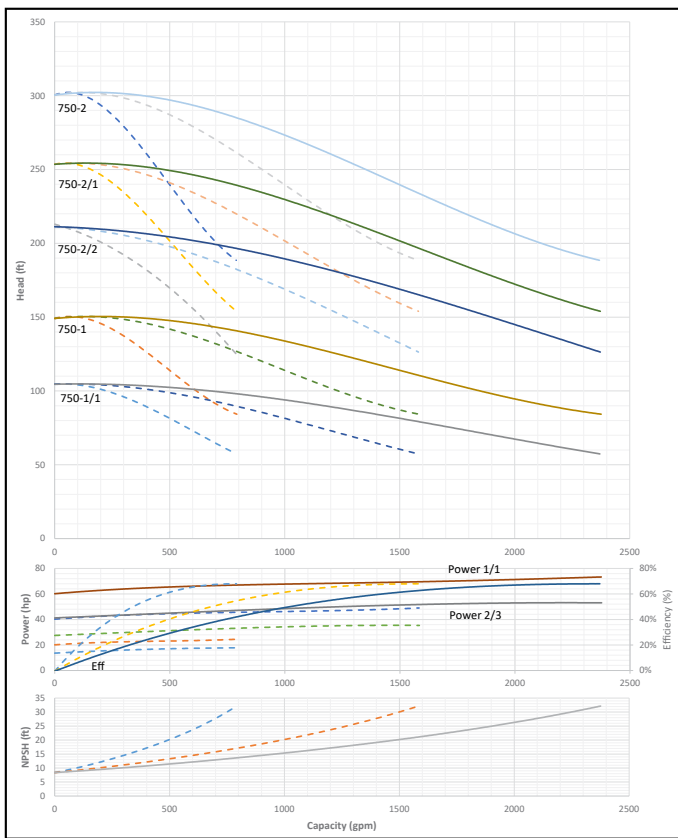


CO3 MVI-1SB-750



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

Tag #	Model #	Flow	BOOST PSI	Min. Inlet PSI	HP/Pump	Phase	Voltage	RPM
	CO3 MVI-1SB-750				1			3600



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

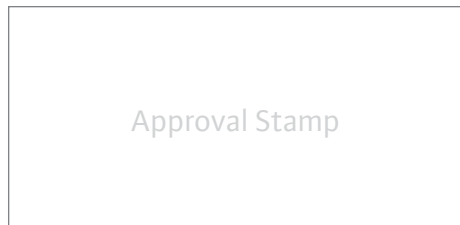
Materials of Construction	
Volute	AISI 304 Stainless Steel with Cast Iron ANSI flanges
Impeller	AISI 304 Stainless Steel
Shaft	ANSI 431 Stainless Steel
Elastomers	EPDM
Manifold	AISI 304 Stainless Steel
Suction Isolation Valves	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components
Discharge Isolation Valve	150# Cast Iron Wafer Butterfly, All Stainless Steel Wetted Components or 300# 304SS Ball Valve
Check Valve	Wafer Style, 316 Stainless Steel internals, non-slam, plunger type with EPDM seal/ cast iron body
Mechanical Seal	Frame and Springs 304SS
Pressure Transducers	¼" MNPT, 316 Stainless Steel
Pressure Gauges	¼" MNPT, 304 Stainless Steel Housing with 316 Stainless Steel wetted parts
System Base	Epoxy Coated A-500 Steel Tubing and A36 C-Channel/Plates

Technical Data - Operational Ranges	
Liquid Temp Range	5°F to 248°F (Min. 32 °F for Domestic Water)
Ambient Temp Range	+32°F to +104 °F

Technical Data - Panel	
Liquid Temp Range	208-230/460-3 or 575-3
Enclosure	NEMA 3R up to 20 HP NEMA 12 for 25 HP and above (NEMA 4 and 4X available upon request)
Standard	Meets UL 508A
Variable Frequency Drives	Danfoss FC-101: • 1 HP to 3 HP 208-230V-1 IN / 208-230V-3 OUT • 1 HP to 60 HP 208-230V-3 • 1 HP to 100 HP 460V-3 • 1 HP to 100 HP 575V-3

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	4
Number of Analog Outputs	4
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	208-230, 460, 575-3
Motor Enclosure	Totally Enclosed Fan Cooled (TEFC)
Motor Efficiency	Nema Premium Efficiency - Meets NEMA 12-12 Rule
Enclosure Construction	Rolled Steel / Cast Iron
Motor Protection Index	IP54
Insulation Class	F



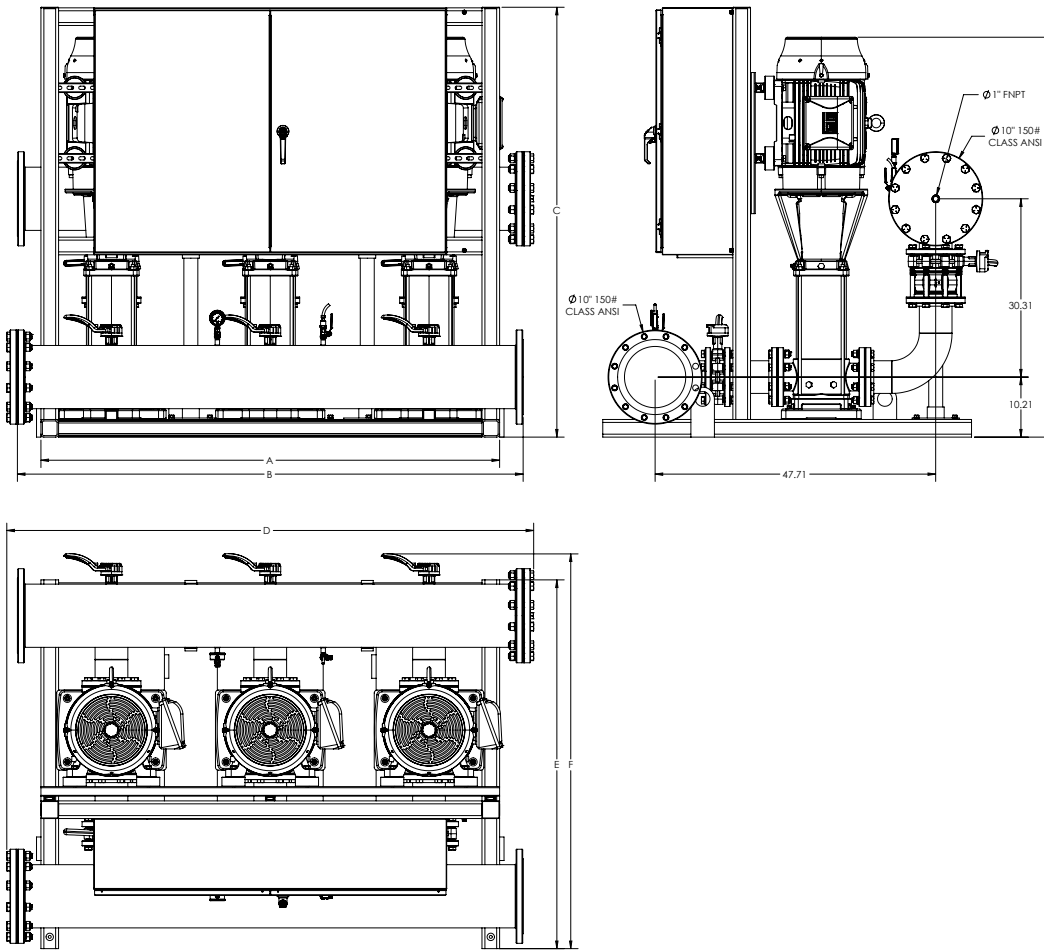
Submittal Data Sheet

Wilo-CO MVI - NSF 61/372 Pressure Boosting System



CO3 MVI-1SB-750

150# Discharge



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

CO3 MVI-1SB-750

CO3 MVI-1SB-750														TEFC Motor Data (Per Motor)			
Model	Article	HP	Voltage	Phase	System Header Size (ANSI)	Pmax (PSI)	Dimensions - Inches (in)								System Weight (Lbs)	Motor FLA	System
							A	B	C	D	E	F	H	(A)		FLA	
CO3 MVI-1SB-750-1/1	3354966	25	208V-230V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	59.13	3435.71	63.0-57.6	196	
CO3 MVI-1SB-750-1	3354967	30	208V-230V	~3	8" 150#	232	72	80	91.1	83.37	61	65.93	59.13	3556.25	76.7-68.4	229	
CO3 MVI-1SB-750-2/2	3354968	40	208V-230V	~3	8" 150#	232	78	86	91.1	89.37	61	65.93	67.8	4104.37	101-92.6	312.1	
CO3 MVI-1SB-750-1/1	3355256	25	460V	~3	8" 150#	232	72	80	65.1	83.37	61	65.93	59.13	3684.22	28.8	88.9	
CO3 MVI-1SB-750-1	3355257	30	460V	~3	8" 150#	232	72	80	65.1	83.37	61	65.93	59.13	3718.81	34.2	104.8	
CO3 MVI-1SB-750-2/2	3355258	40	460V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4030.07	46.3	148.6	
CO3 MVI-1SB-750-2/1	3355259	50	460V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4187.15	56.1	182.8	
CO3 MVI-1SB-750-2	3355260	60	460V	~3	8" 150#	232	90	98	71.1	101.37	61	65.93	77.13	5069.36	67	218.5	
CO3 MVI-1SB-750-1/1	3355546	25	575V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	59.13	3414.71	23	78.1	
CO3 MVI-1SB-750-1	3355547	30	575V	~3	8" 150#	232	72	80	69.1	83.37	61	65.93	59.13	3473.3	27.4	95.5	
CO3 MVI-1SB-750-2/2	3355548	40	575V	~3	8" 150#	232	78	86	75.1	89.37	61	65.93	67.8	4042.07	37	129.7	
CO3 MVI-1SB-750-2/1	3355549	50	575V	~3	8" 150#	232	78	86	103.1	89.37	61	65.93	67.8	4224.96	44.9	157	
CO3 MVI-1SB-750-2	3355550	60	575V	~3	8" 150#	232	90	98	103.1	101.37	61	65.93	70.53	5160.91	53.6	190.9	