

Submittal Data Sheet

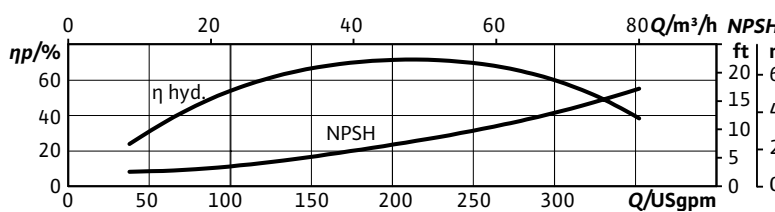
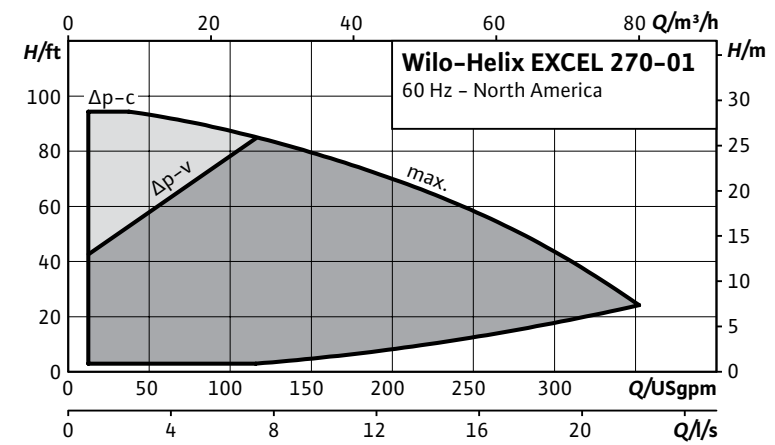
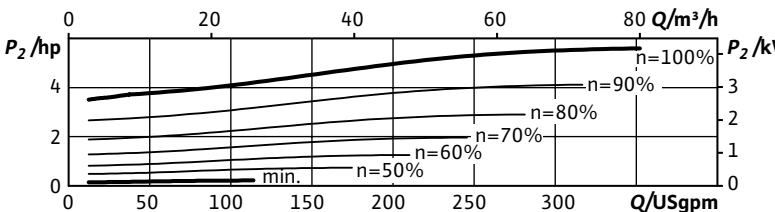
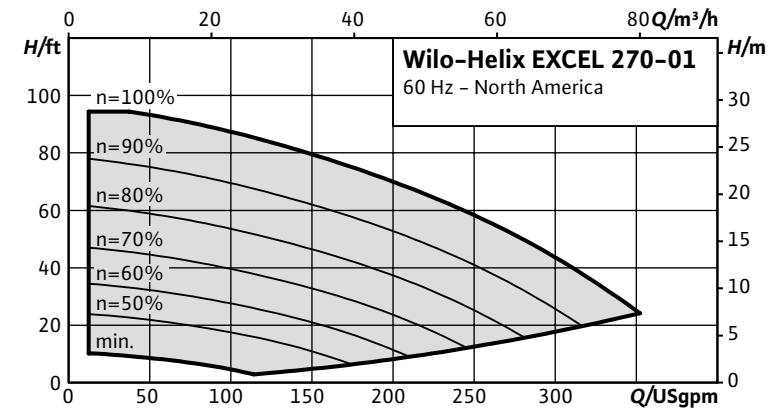
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 270-01					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.50
Liquid Temp Range	-4 to 248 F (-20° C to 120° C)
Fluid Compatibility	Water, up to 50/50 Water-Glycol
Max Operating Pressure	232.1/362.6 PSI
Mains Voltage	460V (±10%) 60Hz
Protection Class	IP 55, Class F Insulation
Ambient Temp Range	5°F to 104°F (-15°C to 40°C)
Ambient Humidity	< 90% without condensation

Materials of Constructions

Pump Volute	Cataphoresis-coated grey cast iron EN-GJL 250	Stainless steel AISI316L; rotating flanges of cataphoretic coated grey cast iron EN-GJL 250
Mechanical Seal	EPDM	FKM
Impellers Stage Housings Diffusers	AISI 304L	AISI 316L
Shaft	AISI 304L / AISI 318 LN	AISI 316L / AISI 318LN
O-ring for mechanical seal	EPDM (FKM gasket on request)	EPDM (FKM gasket on request)
Sleeve under the mechanical seal	AISI 316L	AISI 316L

IR Module

Select	Module
	BACnet /Dual Pump
	LONworks /Dual Pump
	MODBus
	None

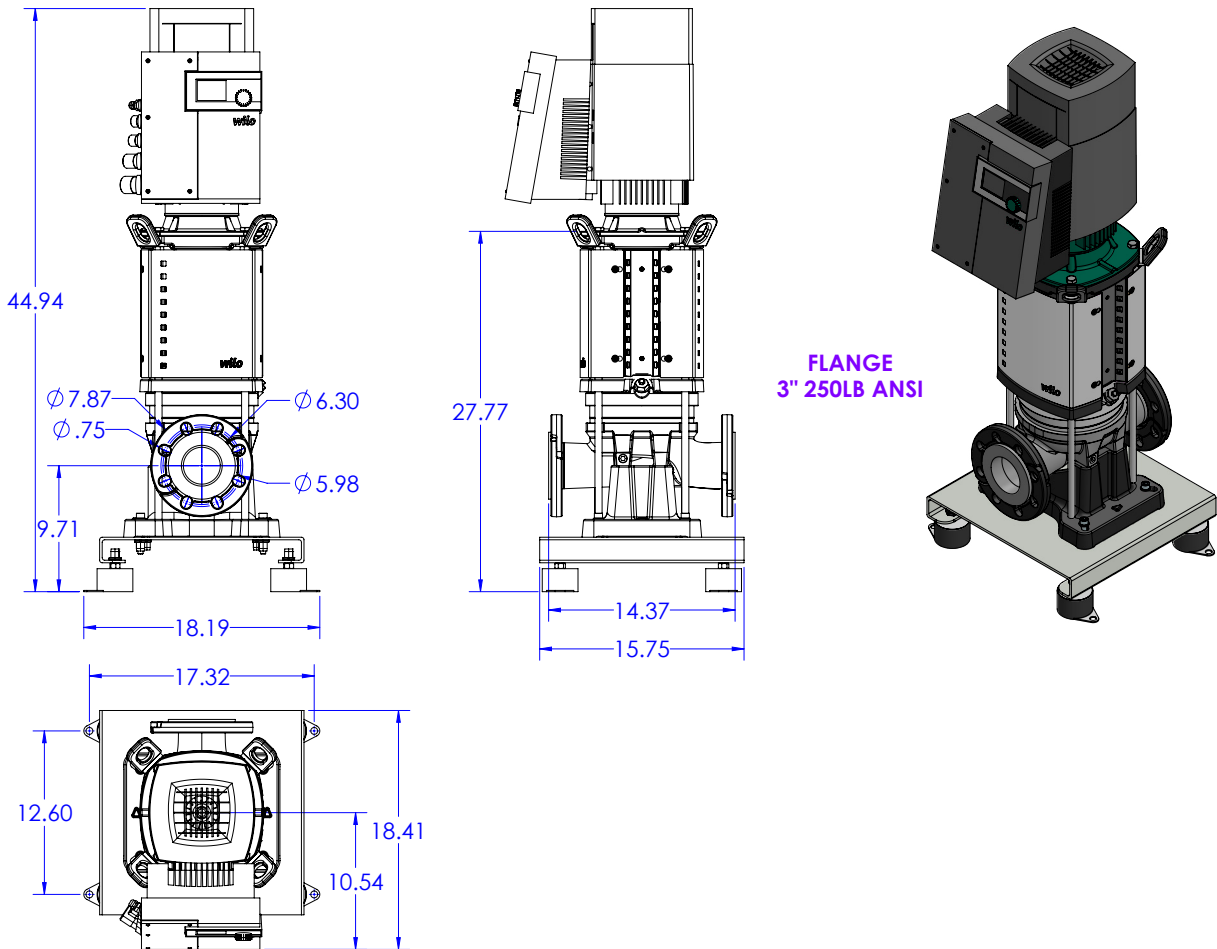
Applications

• Water Supply	• Pressure Boosting
• Boiler Feed	• Cooling Systems
• Pressure washing	• Irrigation

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Multistage Pumps

Wilo-Helix EXCEL

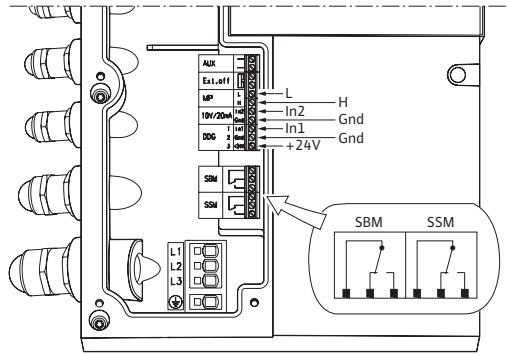


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 270-01	44 ^{15/16}	28 ^{13/16}	8 ^{3/4}	10 ^{9/16}	227.1
	(1142)	(732)	(223)	(268)	(103)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 270-01	5.7	3	460 (±10%)	6.5	95.8



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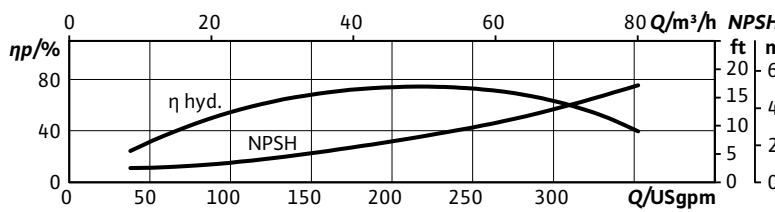
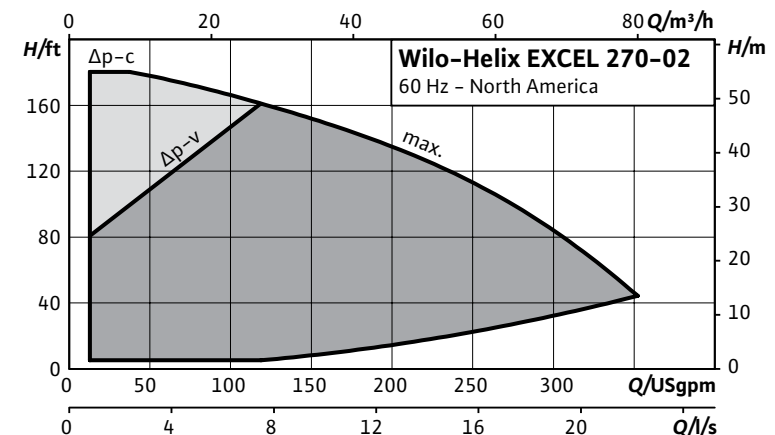
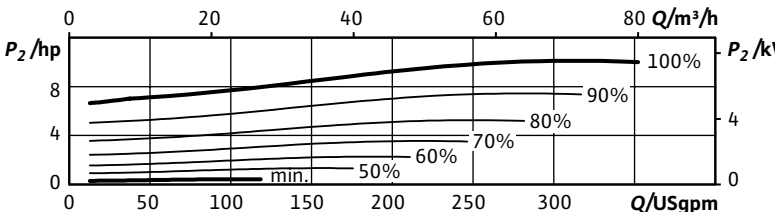
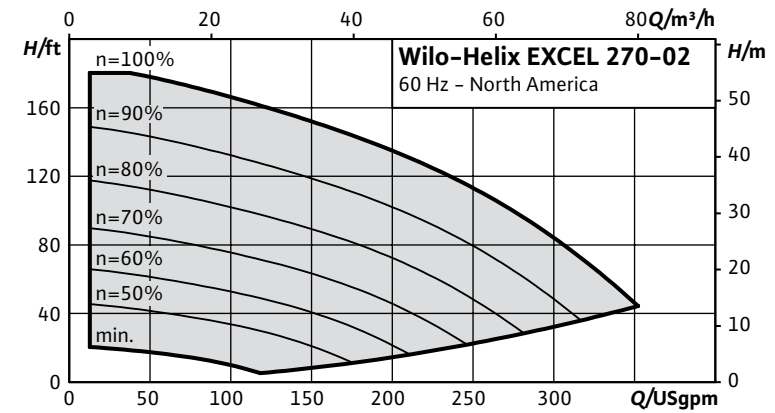
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 270-02					10.1	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.45
Liquid Temp Range	-4 to 248 F (-20° C to 120° C)
Fluid Compatibility	Water, up to 50/50 Water-Glycol
Max Operating Pressure	232.1/362.6 PSI
Mains Voltage	460V (±10%) 60Hz
Protection Class	IP 55, Class F Insulation
Ambient Temp Range	5°F to 104°F (-15°C to 40°C)
Ambient Humidity	< 90% without condensation

Materials of Constructions

Pump Volute	Cataphoresis-coated grey cast iron EN-GJL 250	Stainless steel AISI316L; rotating flanges of cataphoretic coated grey cast iron EN-GJL 250
Mechanical Seal	EPDM	FKM
Impellers Stage Housings Diffusers	AISI 304L	AISI 316L
Shaft	AISI 304L / AISI 318 LN	AISI 316L / AISI 318LN
O-ring for mechanical seal	EPDM (FKM gasket on request)	EPDM (FKM gasket on request)
Sleeve under the mechanical seal	AISI 316L	AISI 316L

IR Module

Select	Module
	BACnet /Dual Pump
	LONworks /Dual Pump
	MODBus
	None

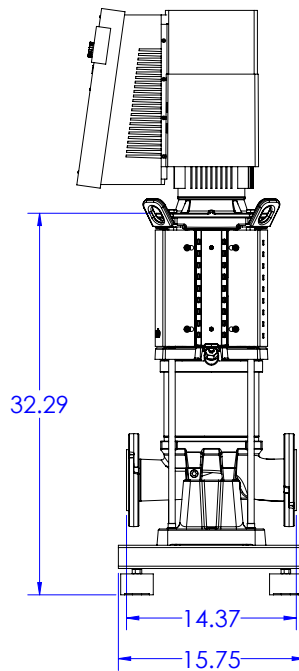
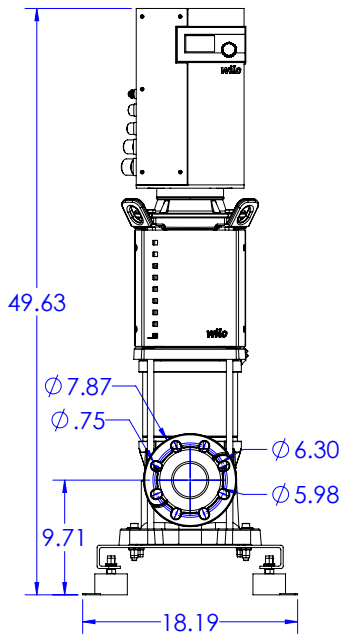
Applications

• Water Supply	• Pressure Boosting
• Boiler Feed	• Cooling Systems
• Pressure washing	• Irrigation

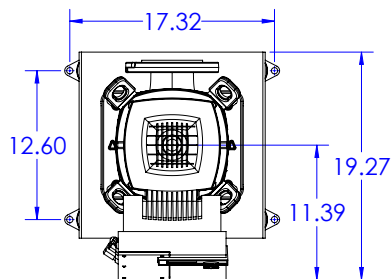
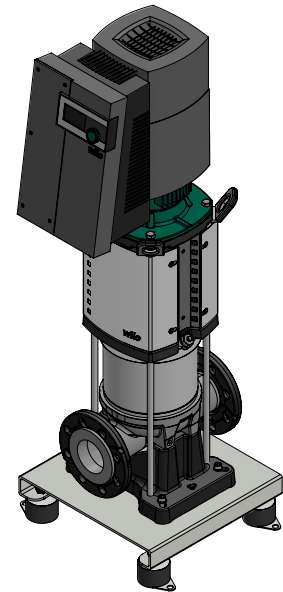
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Multistage Pumps

Wilo-Helix EXCEL



**FLANGE
3" 250LB ANSI**

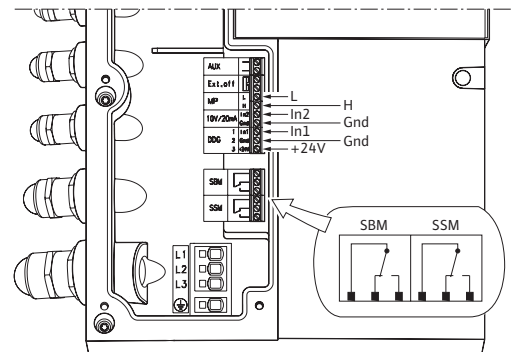


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 270-02	49 ^{5/8}	32 ^{5/8}	9 ^{3/4}	11	282.2
	(1261)	(828)	(248)	(280)	(128)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 270-02	10.1	3	460 (±10%)	10.9	96.4



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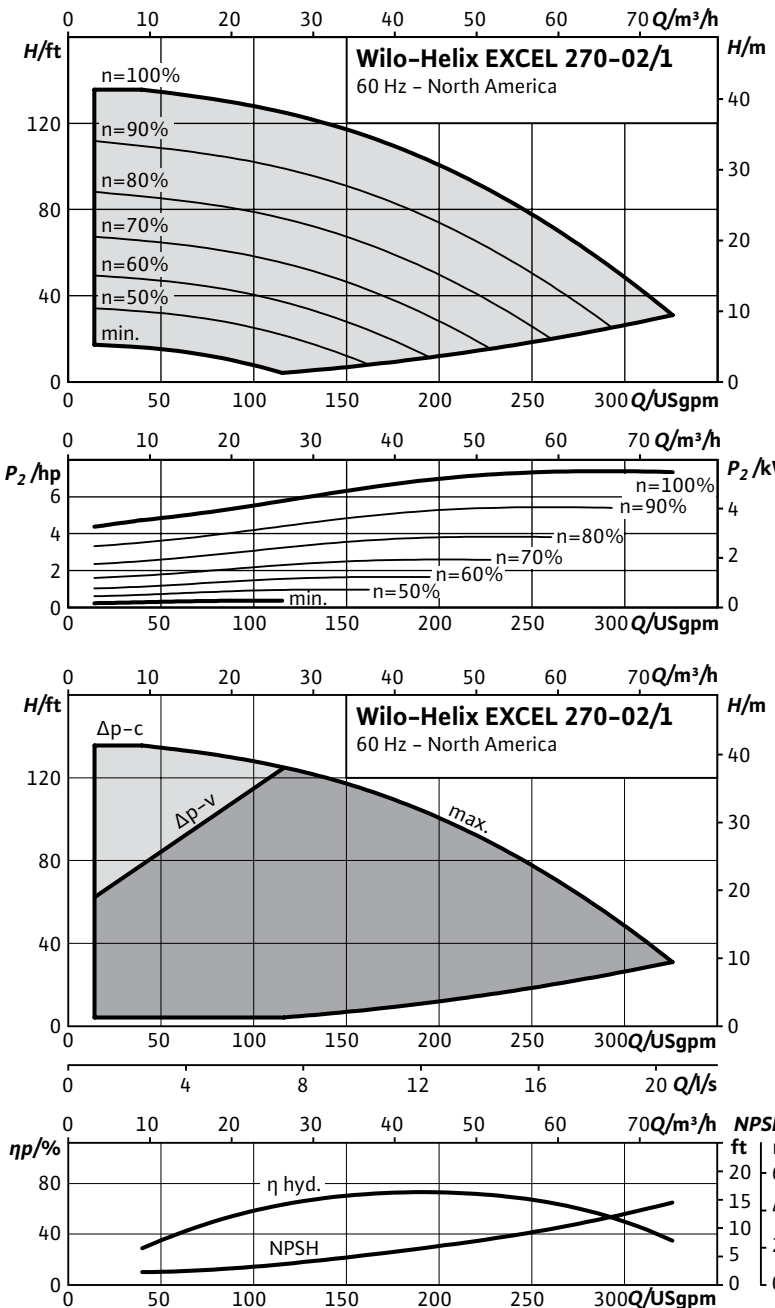
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 270-02/1					7.4	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.45
Liquid Temp Range	-4 to 248 F (-20° C to 120° C)
Fluid Compatibility	Water, up to 50/50 Water-Glycol
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Sleeve under the mechanical seal	AISI 316L	AISI 316L

IR Module

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	LONworks /Dual Pump
	MODBus
	None

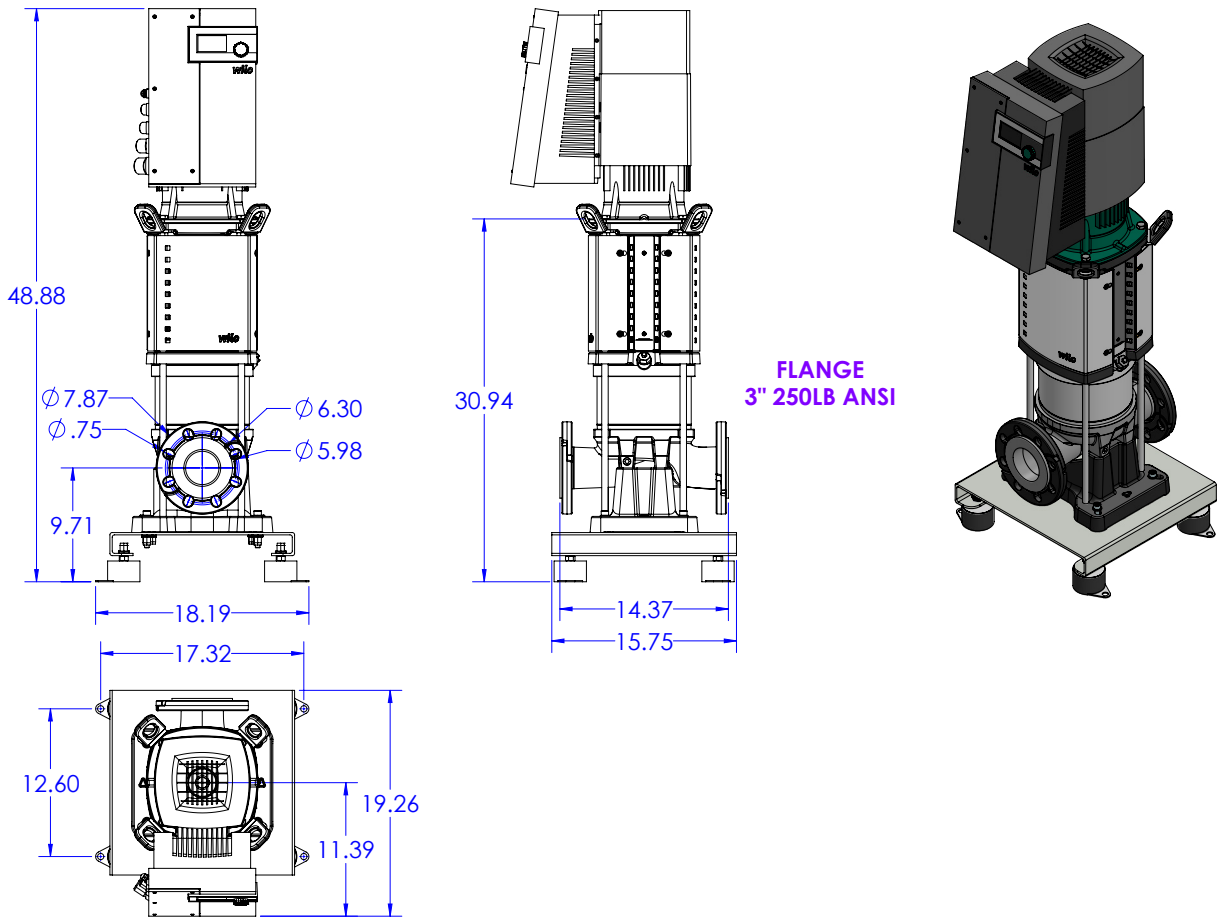
Applications

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• Boiler Feed	• Cooling Systems
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Multistage Pumps

Wilo-Helix EXCEL



Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 270-02/1	48 ^{7/8}	32 ^{3/4}	8 ^{3/4}	10 ^{9/16}	266.8
	(1242)	(832)	(223)	(268)	(121)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 270-02/1	7.4	3	460 (±10%)	8.2	95.8

