

Submittal Data Sheet

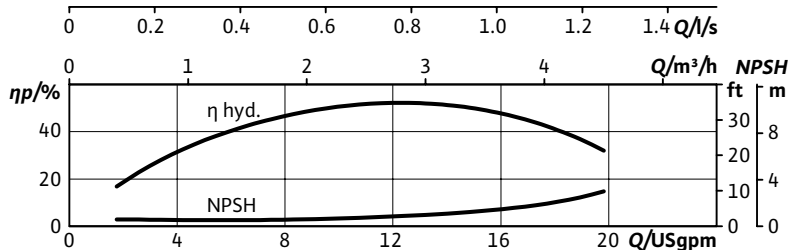
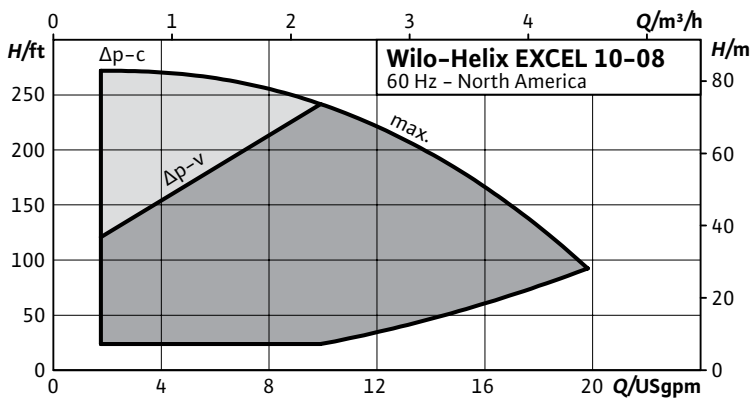
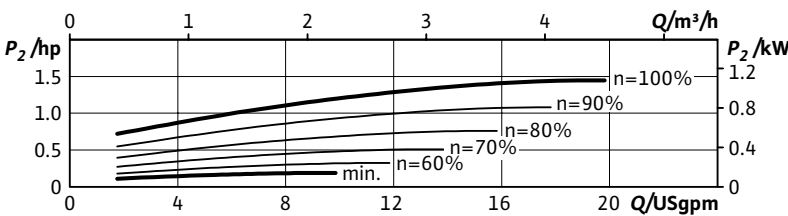
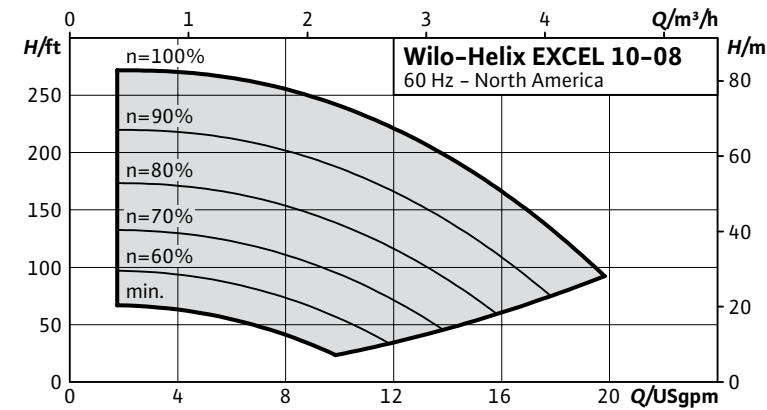
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 10-08					1.5	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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

Construction Materials

Pump Volute	AISI 304L*	AISI 316L
Mechanical Seal	EPDM	FKM
Impellers	AISI 304L	AISI 316L
Stage Housings	AISI 318 LN	AISI 318LN
Diffusers		
Shaft		
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 Selection

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

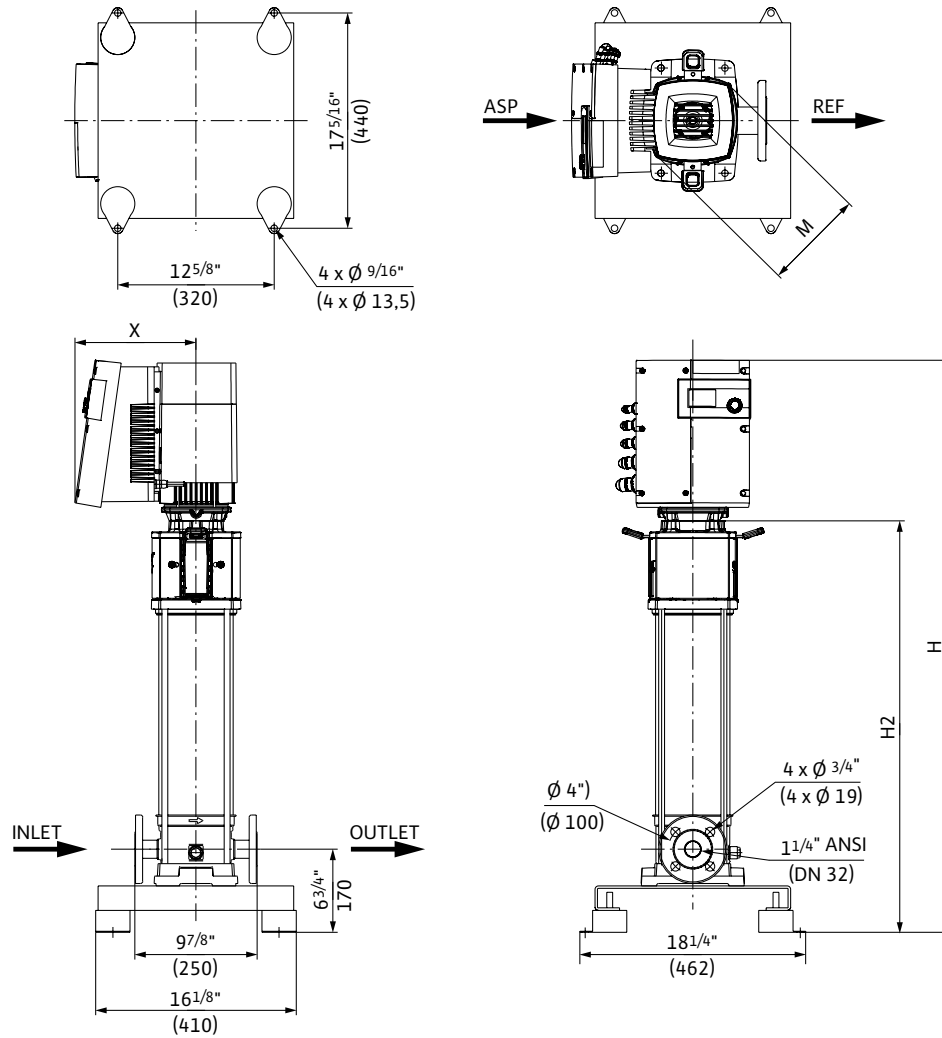
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

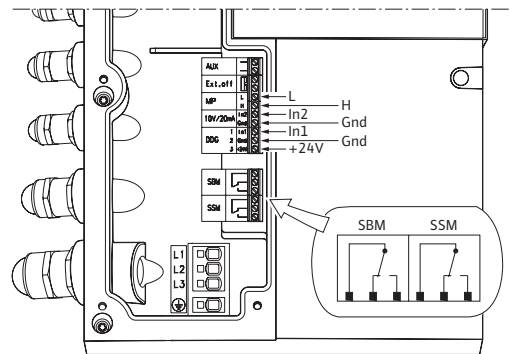


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 10-08	38	25 ^{1/16}	8 ^{1/8}	9 ^{3/4}	115
	(965)	(637)	(206)	(248)	(52)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 10-08	1.50	3	460 (±10%)	1.76	92.0



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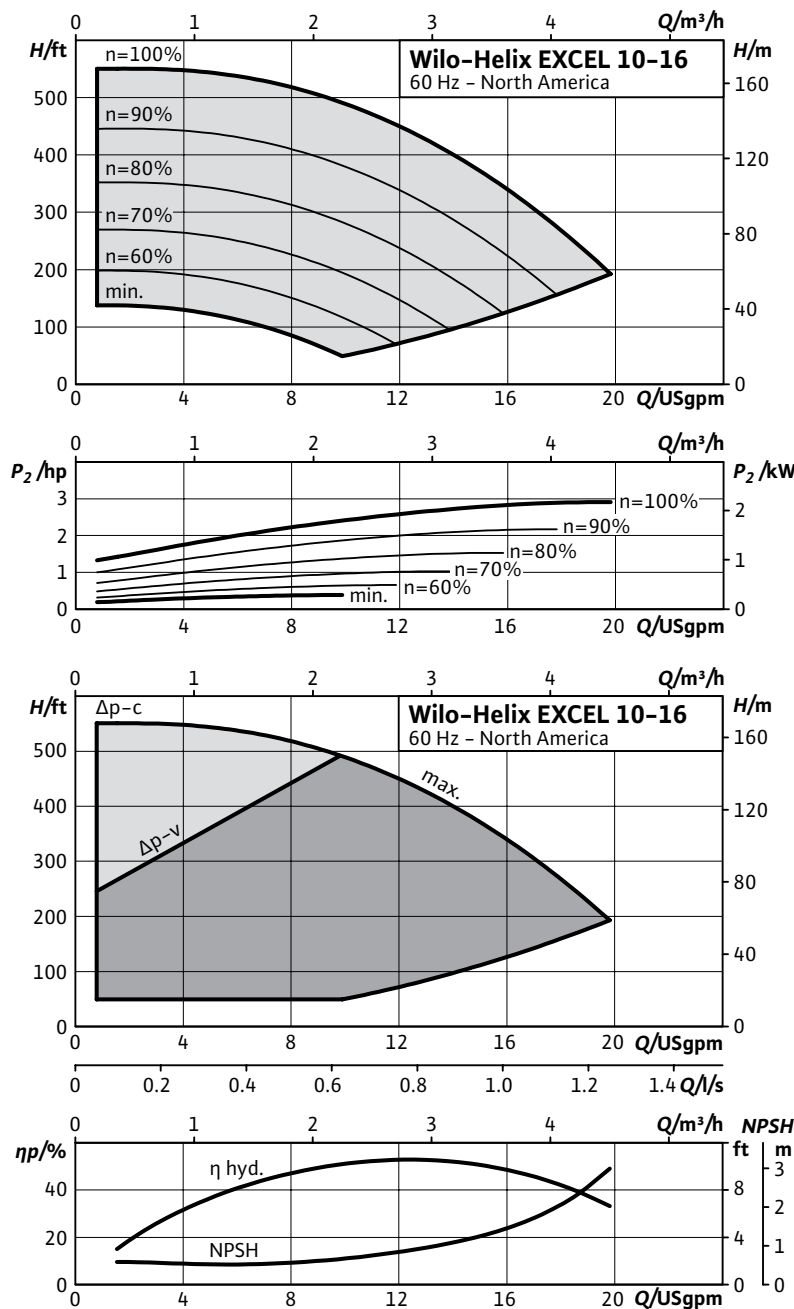
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 10-16					3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

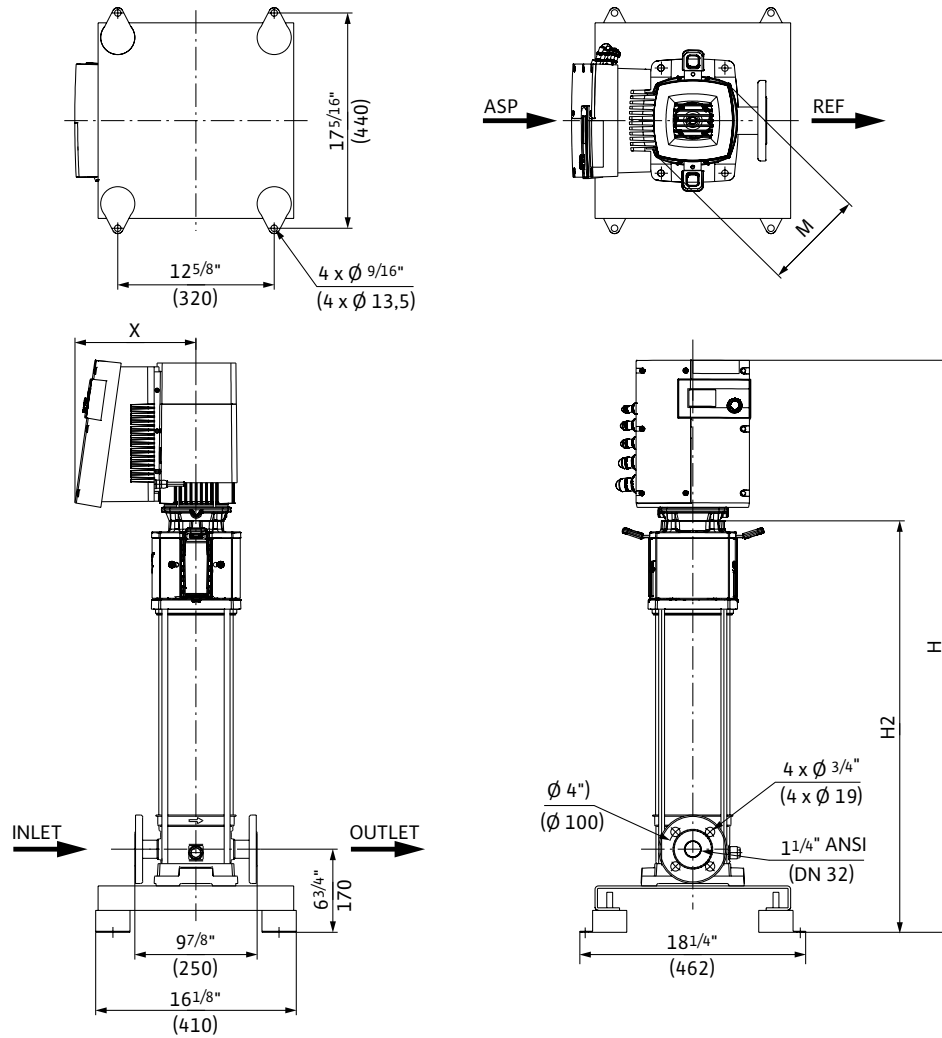
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

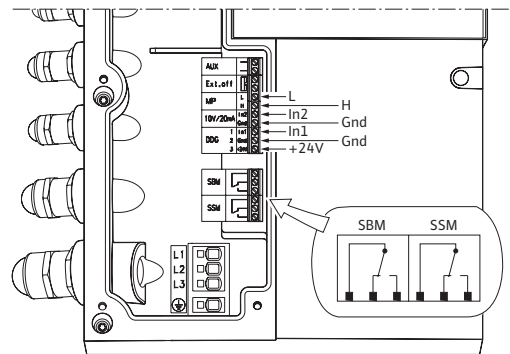


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 10-16	$46\frac{1}{4}"$	$33\frac{3}{8}"$	$8\frac{1}{8}"$	$9\frac{3}{4}"$	130.07 (59)
	(1175)	(847)	(206)	(248)	

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 10-16	3.0	3	460 (±10%)	4.4	93.0



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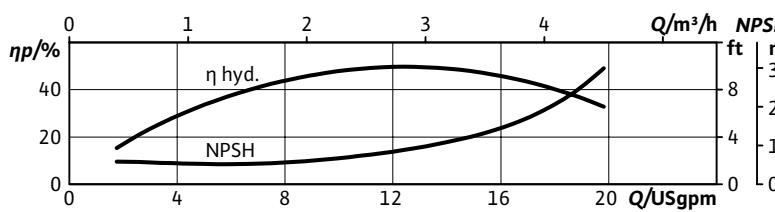
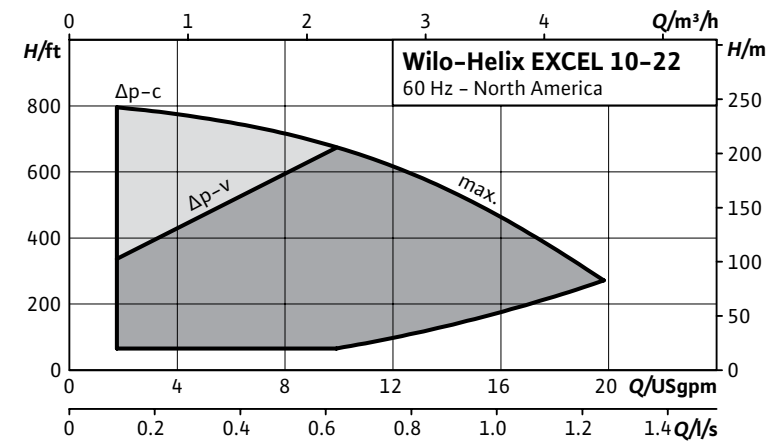
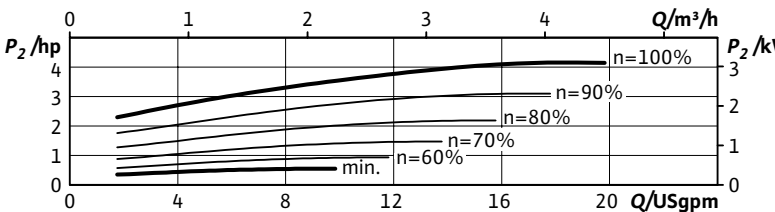
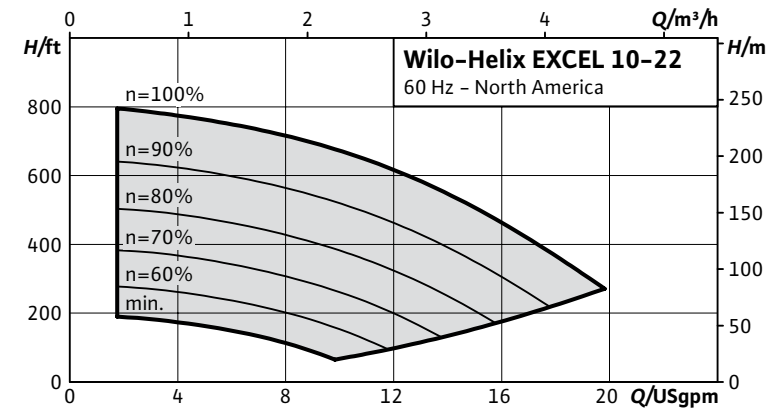
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 10-22					4.3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

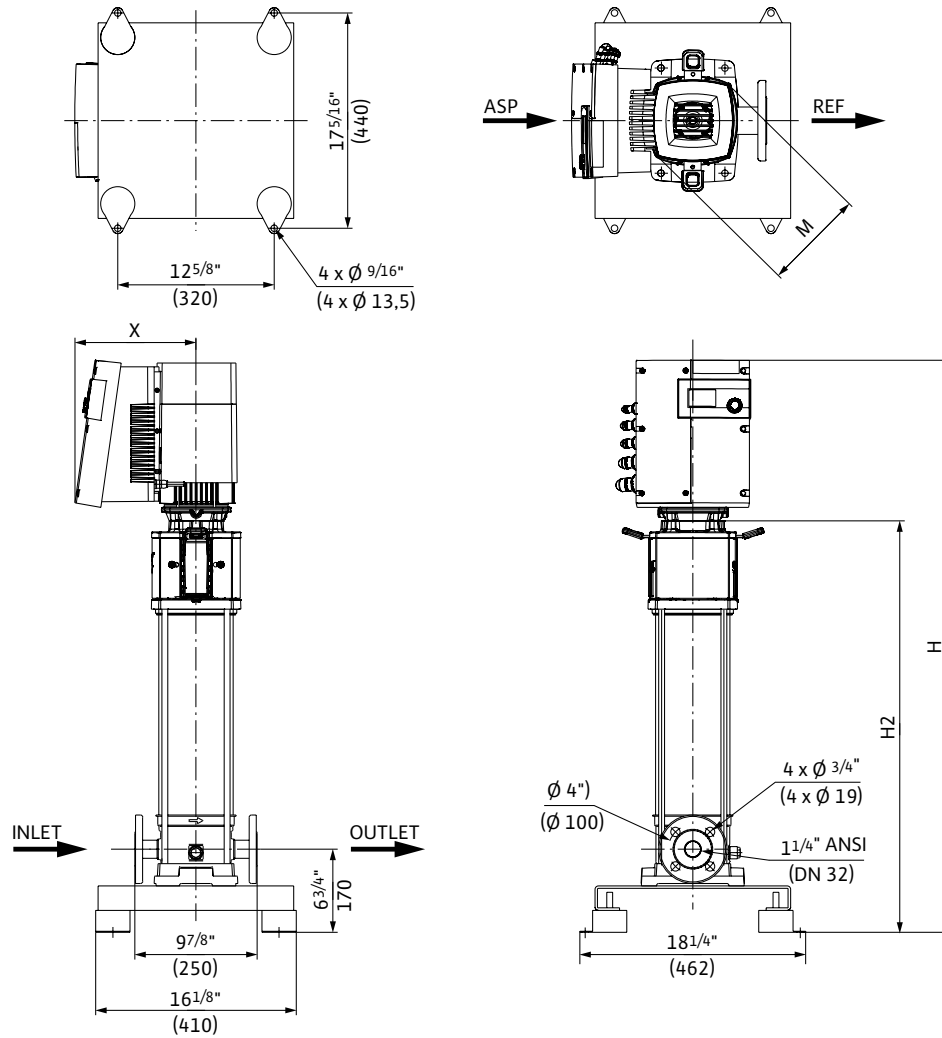
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

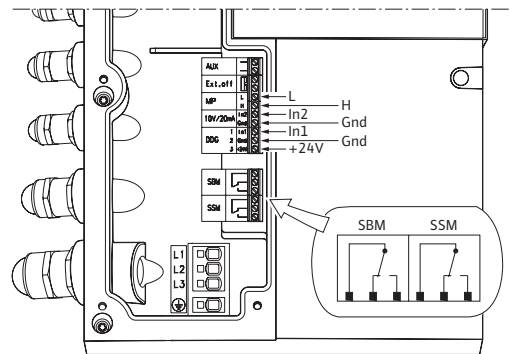


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 10-16	5 4 1/2	4 1 5/8	8 3/8	9 3/4	136.7
	(1385)	(1057)	(206)	(248)	(62)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 10-22	4.3	3	460 (±10%)	6.0	93.0



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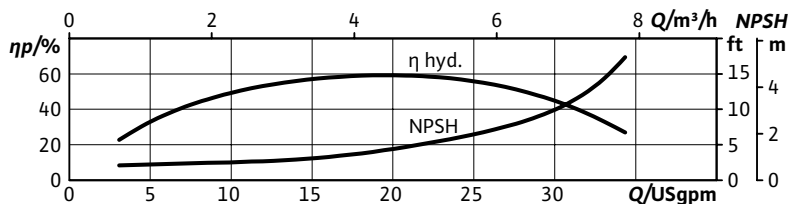
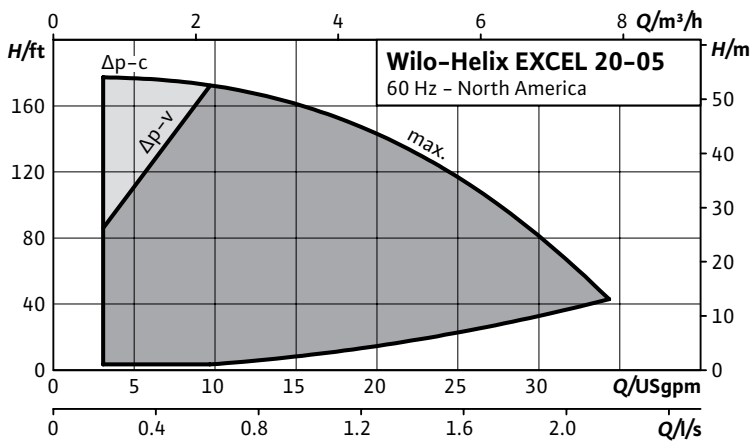
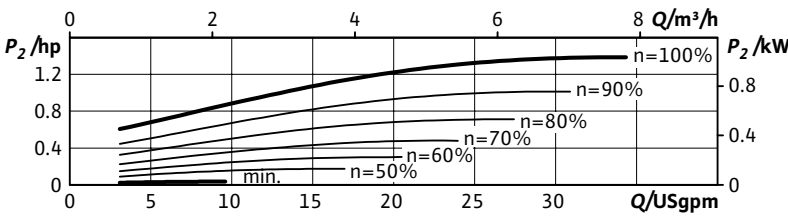
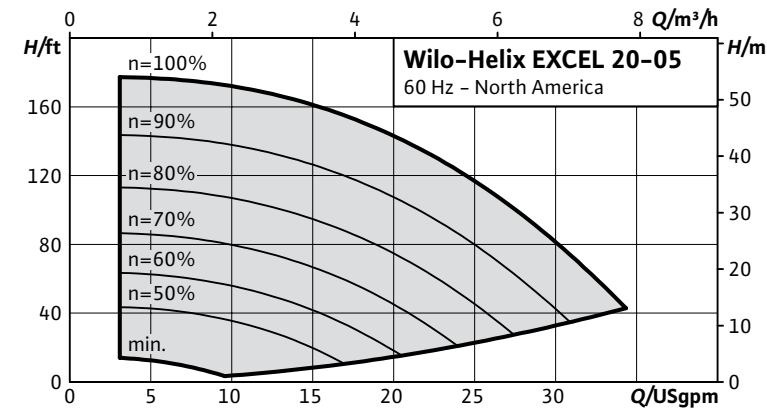
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 20-05					1.5	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

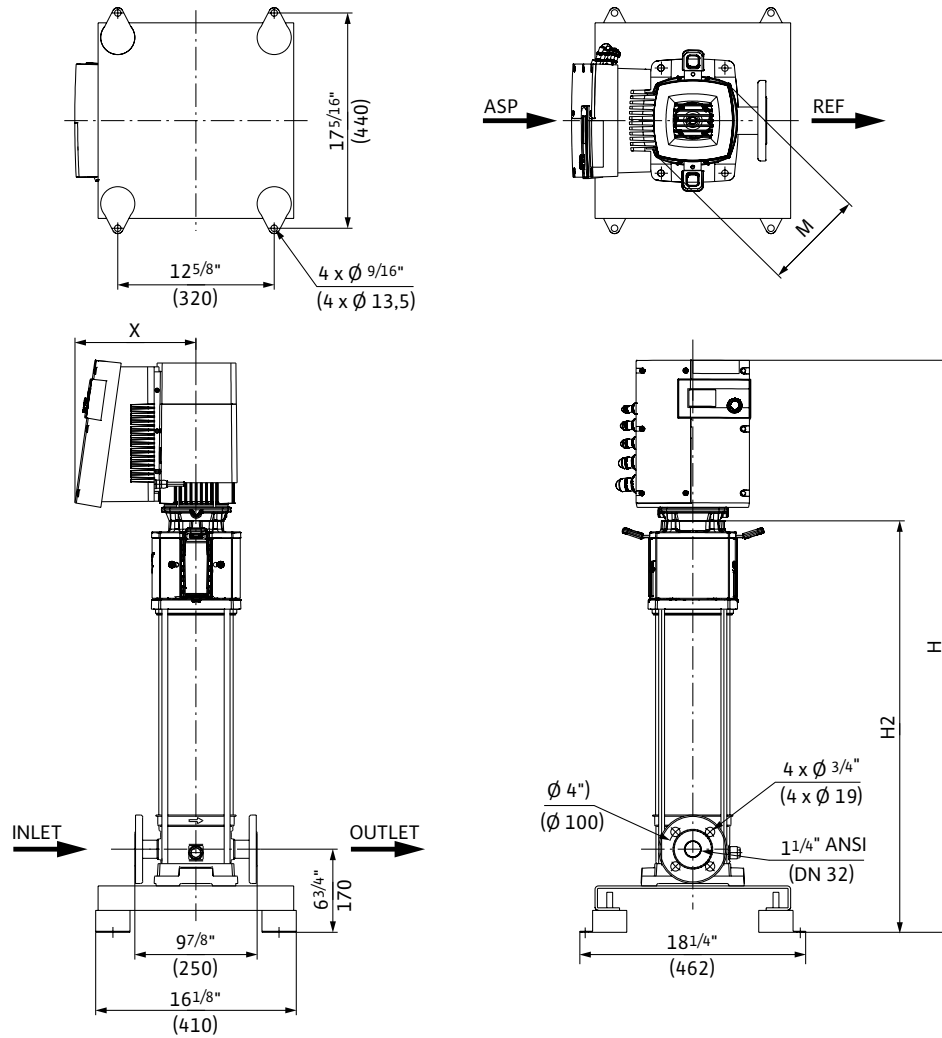
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

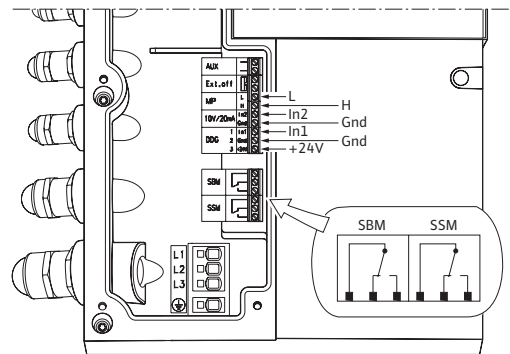


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 20-05	35 ^{3/16}	22 ^{5/16}	8 ^{3/8}	9 ^{3/4}	108.0
	(894)	(566)	(206)	(248)	(49)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 20-05	1.5	3	460 (±10%)	1.76	92.0



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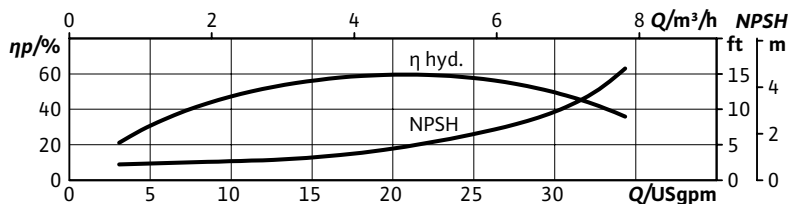
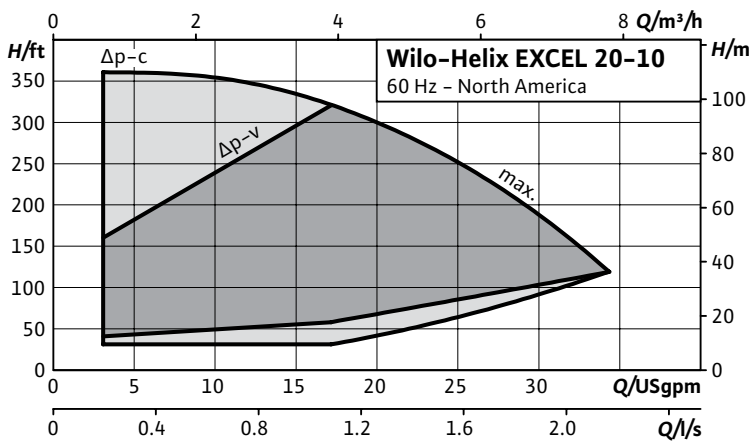
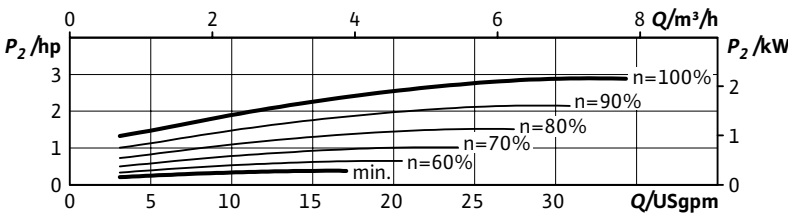
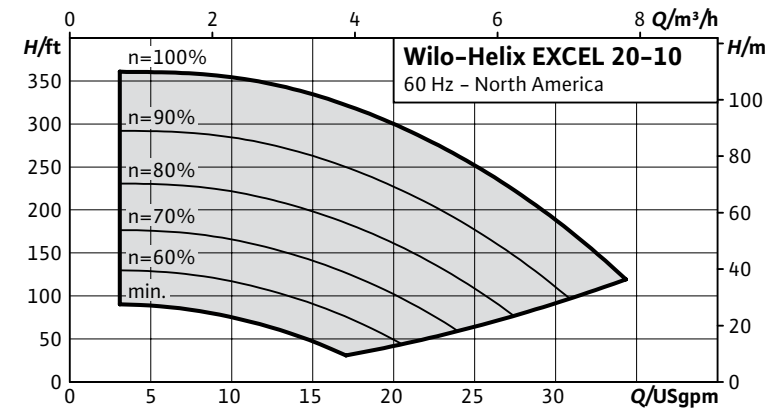
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 20-10					3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

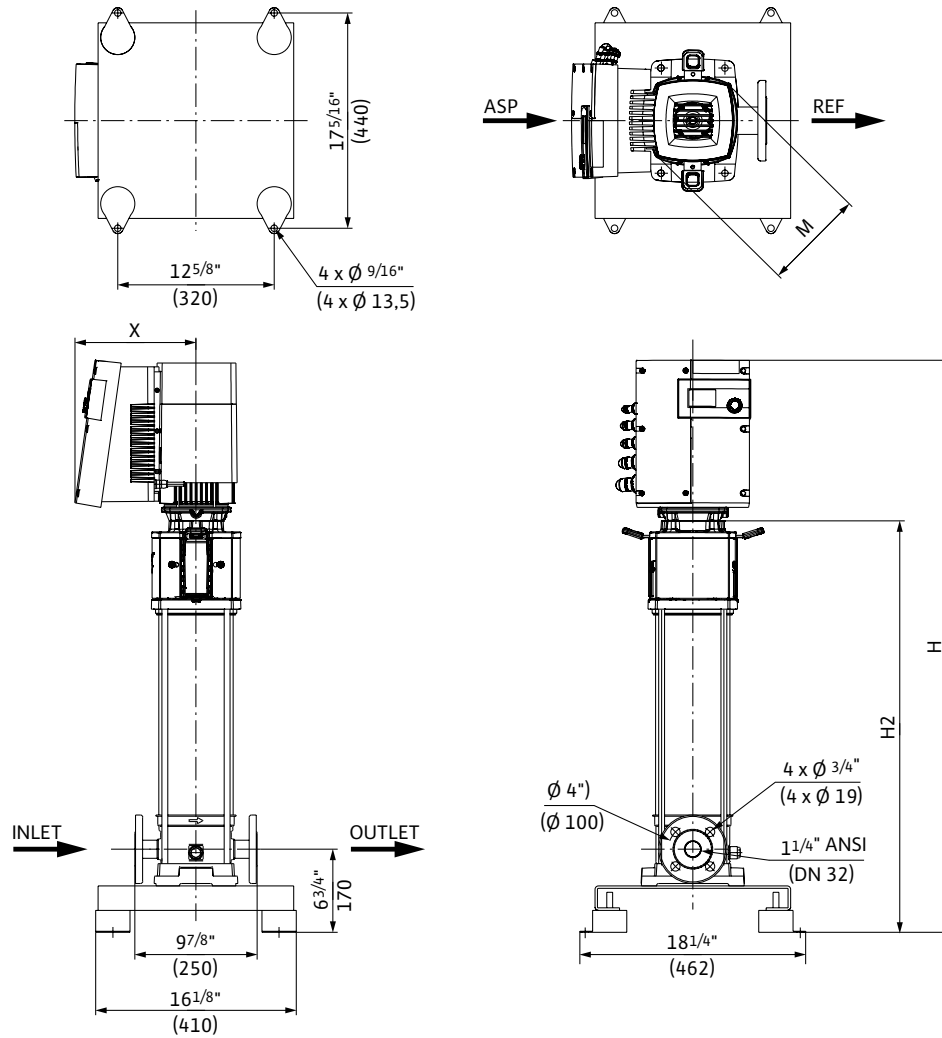
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

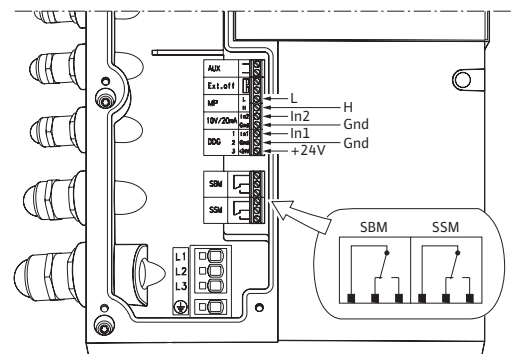


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 20-10	$40\frac{1}{2}"$	$27\frac{5}{8}"$	$8\frac{3}{8}"$	$9\frac{3}{4}"$	122.4
	(1029)	(701)	(206)	(248)	55.5

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 20-10	3.0	3	460 ($\pm 10\%$)	4.4	93.0



Submittal Data Sheet

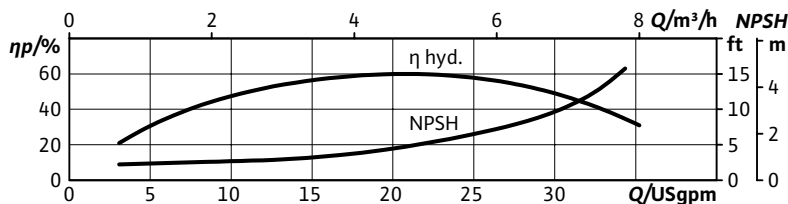
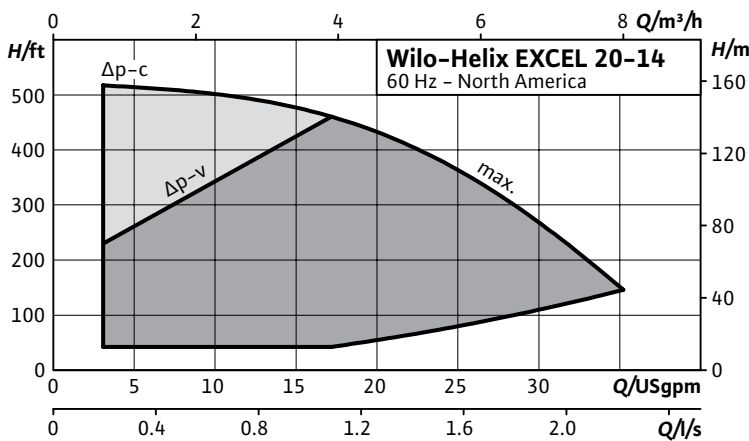
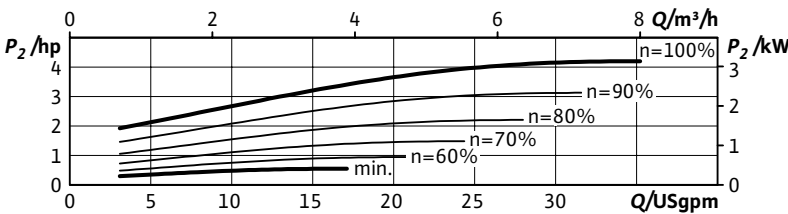
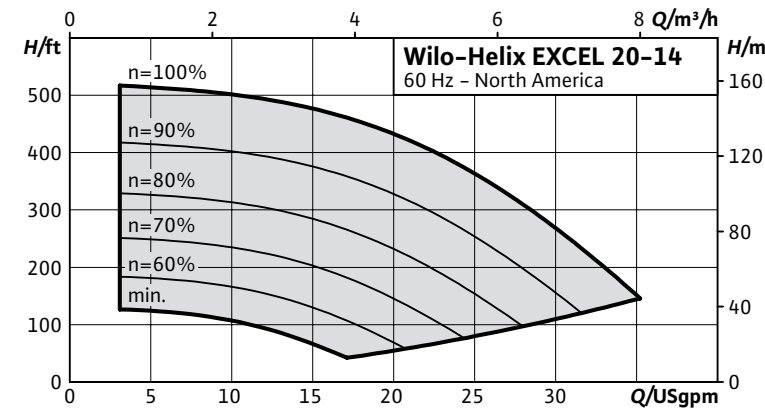
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 20-14					4.3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

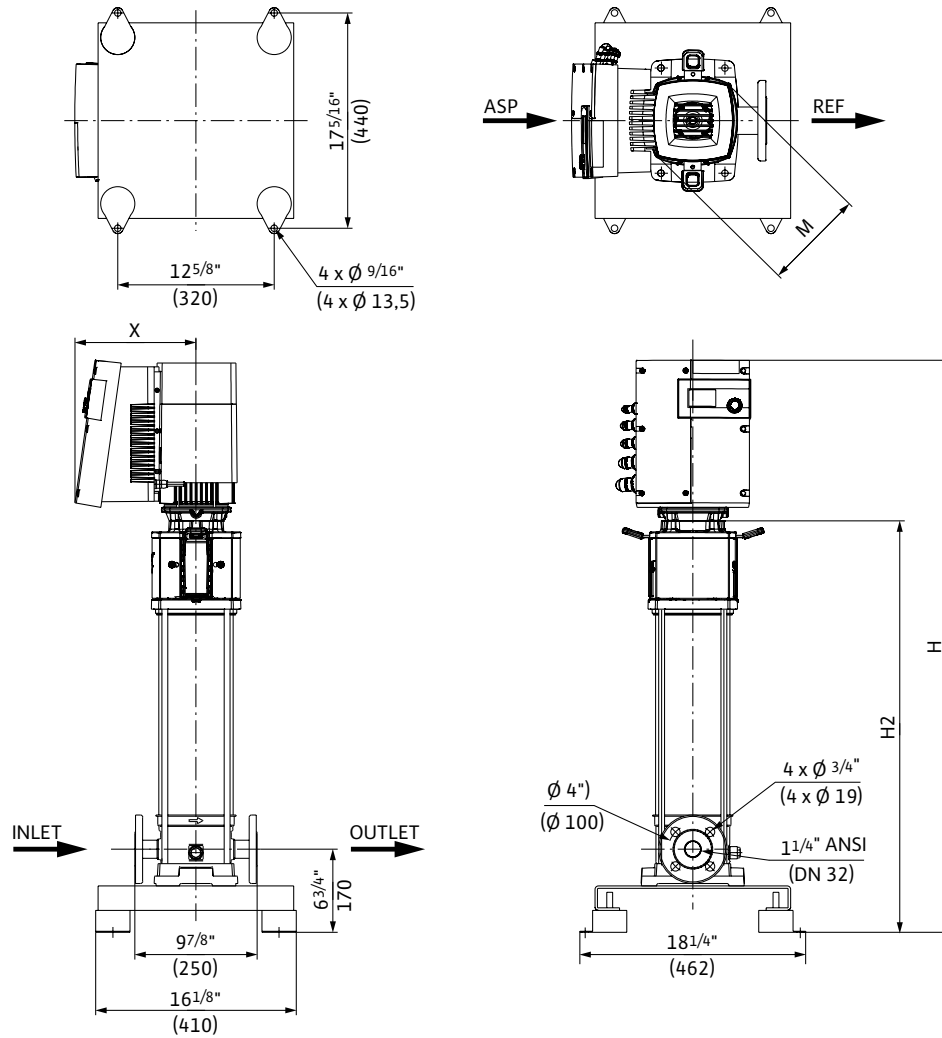
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

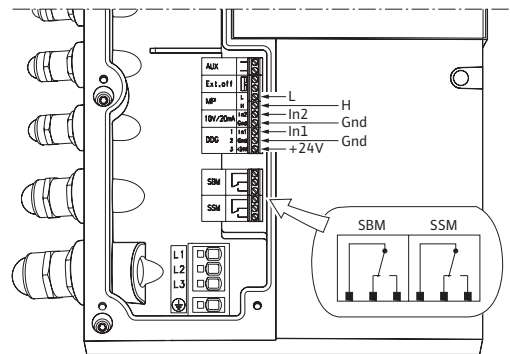


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 20-14	44 7/16	31 9/16	8 3/8	9 3/4	125.7
	(1129)	(801)	(206)	(248)	(57)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 20-14	4.3	3	460 (±10%)	6.0	93.0



Submittal Data Sheet

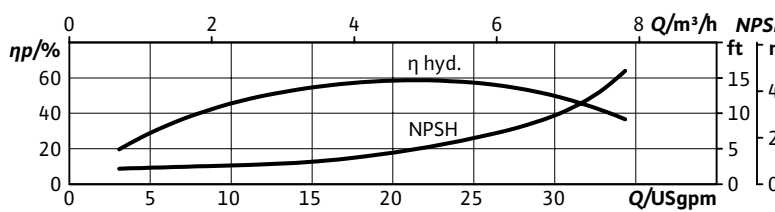
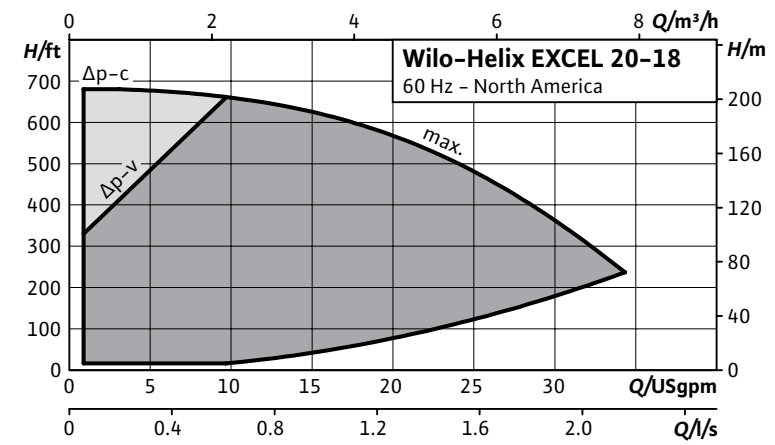
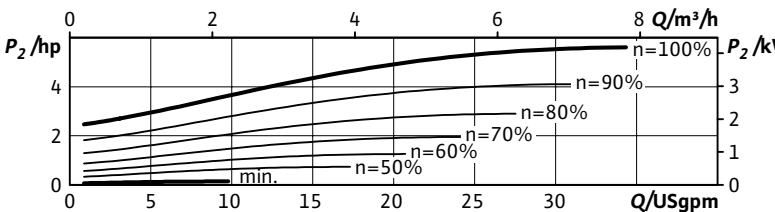
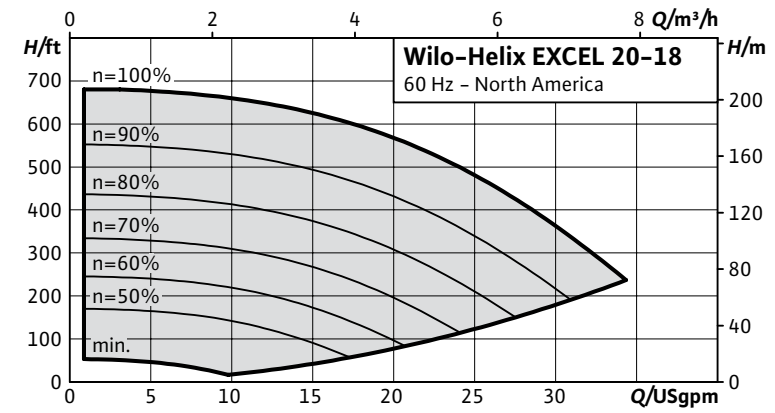
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 20-18					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

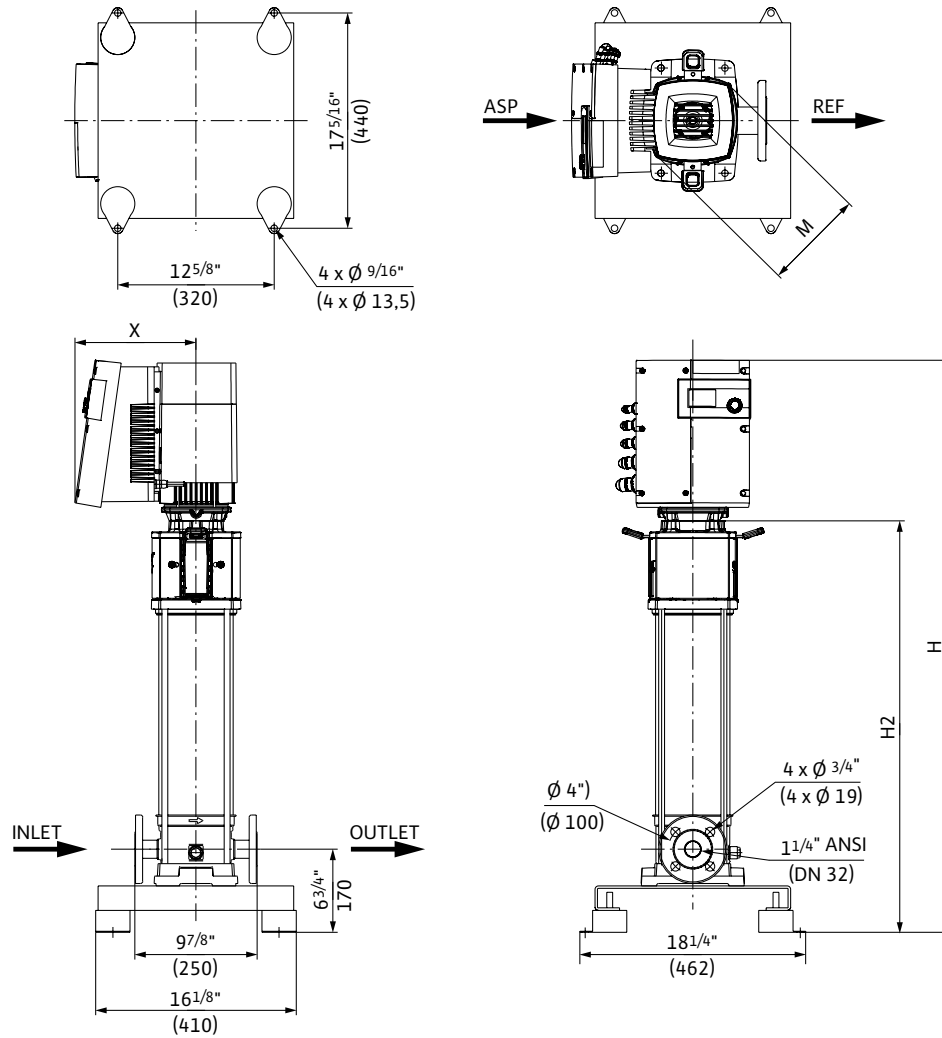
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

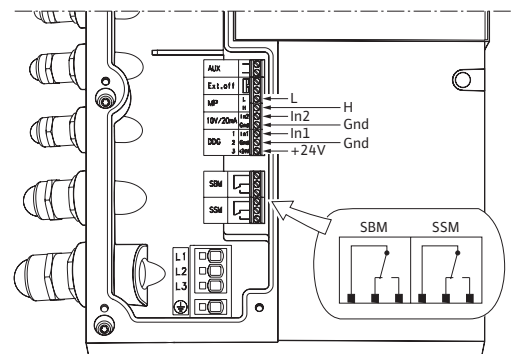


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	$\varnothing M$	X	
Helix EXCEL 20-18	$56\frac{3}{4}"$	$40\frac{9}{16}"$	$8\frac{3}{4}"$	$10\frac{9}{16}"$	158.7
	(1441)	(1031)	(223)	(268)	(72)

EC Motor Data (Single Motor Operation)


Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 20-18	5.7	3	460 ($\pm 10\%$)	6.5	95.80



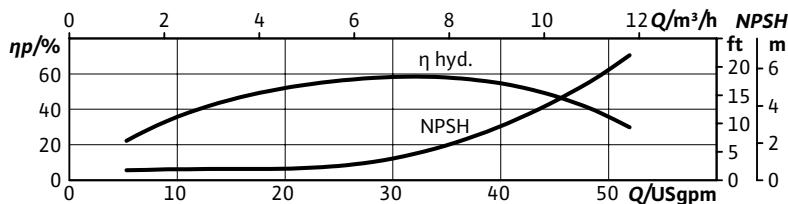
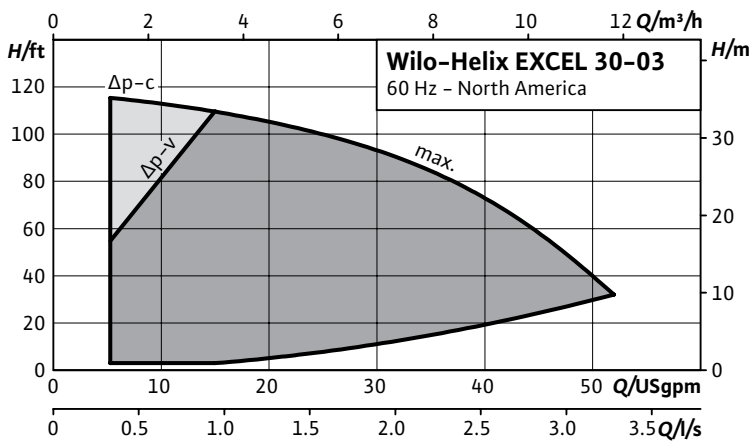
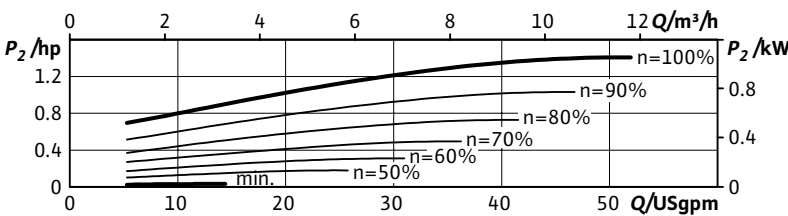
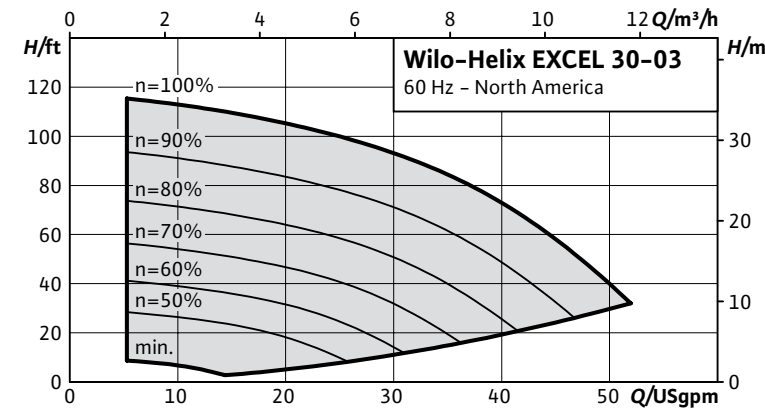
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-03					1.5	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.94
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

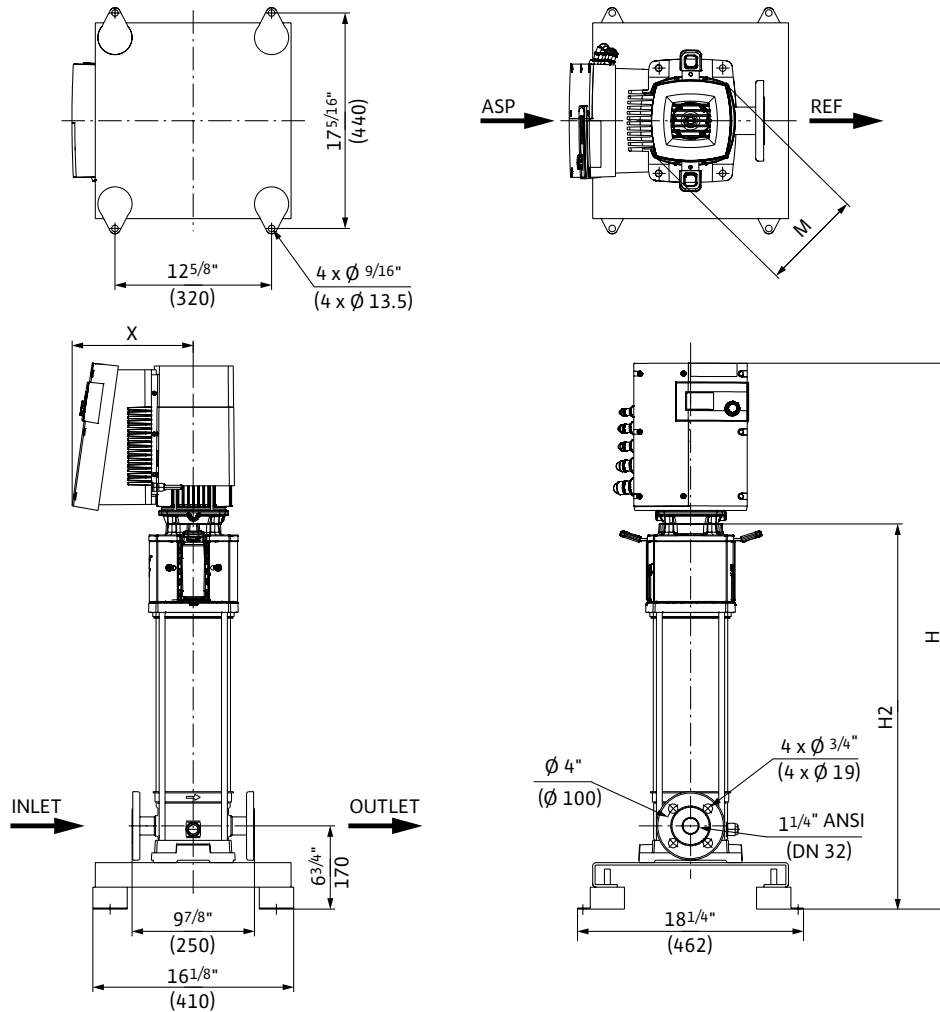
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

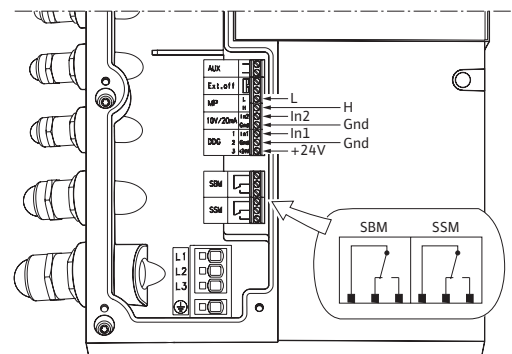


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 30-03	$34\frac{3}{4}''$	$21\frac{13}{16}''$	$8\frac{3}{8}''$	$9\frac{3}{4}''$	108.0
	(882)	(554)	(206)	(248)	(49)

EC Motor Data (Single Motor Operation)




Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 30-03	1.5	3	460 ($\pm 10\%$)	1.76	92.00



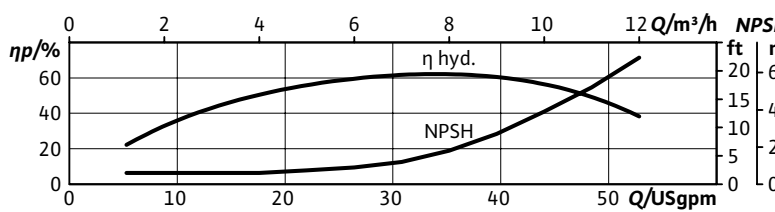
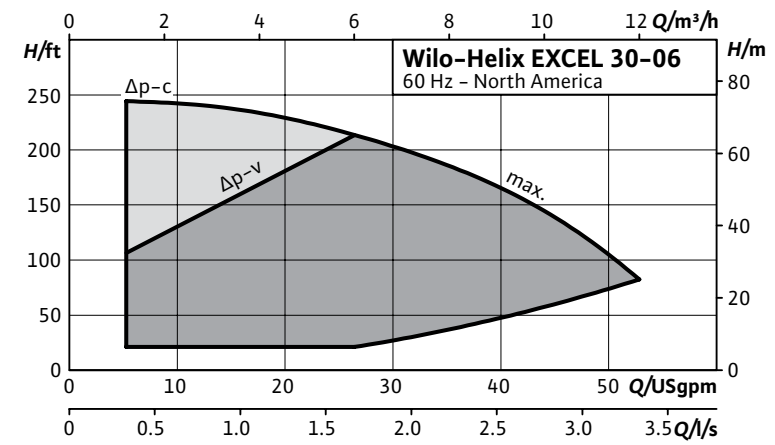
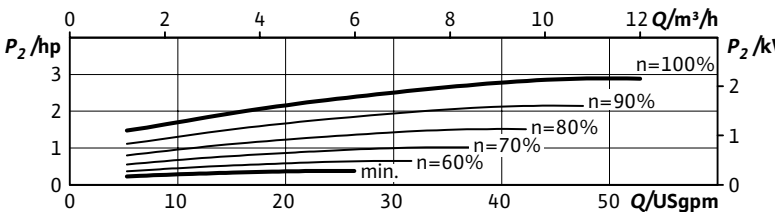
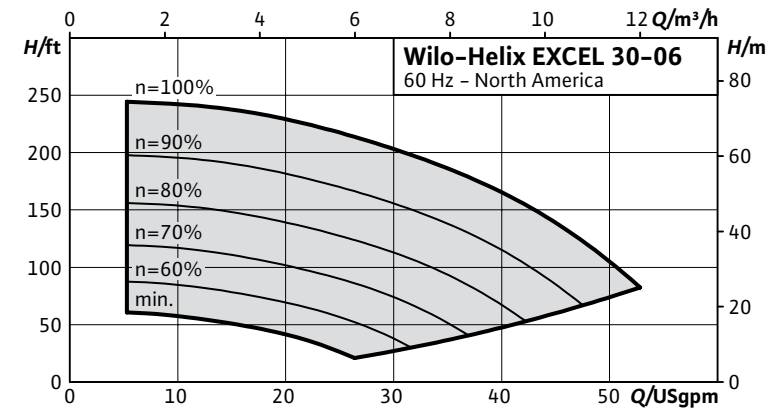
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-06					3	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.62
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

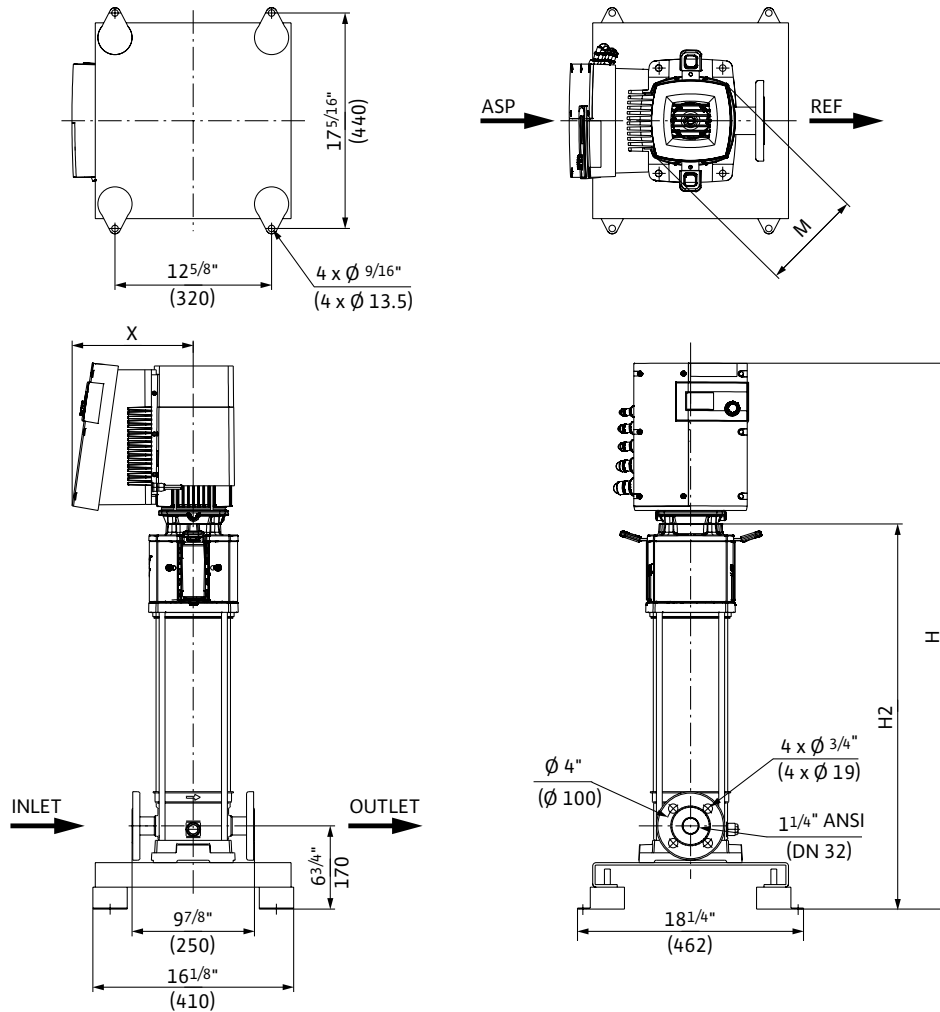
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

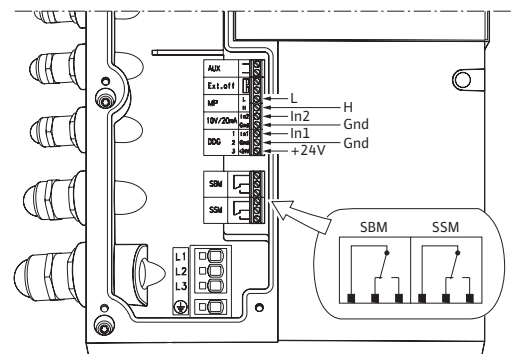


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕ M	X	
Helix EXCEL 30-06	$39\frac{1}{2}"$	$26\frac{5}{8}"$	$8\frac{1}{8}"$	$9\frac{3}{4}"$	117.9 (53.5)
	(1004)	(676)	(206)	(248)	

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 30-06	3.0	3	460 ($\pm 10\%$)	4.4	93.00



Submittal Data Sheet

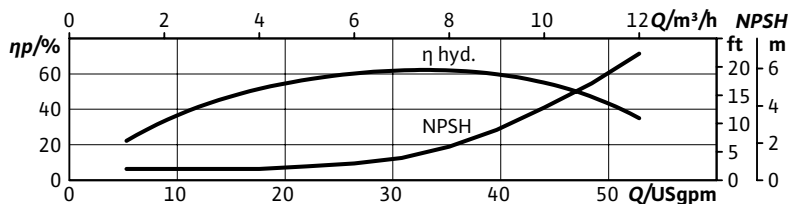
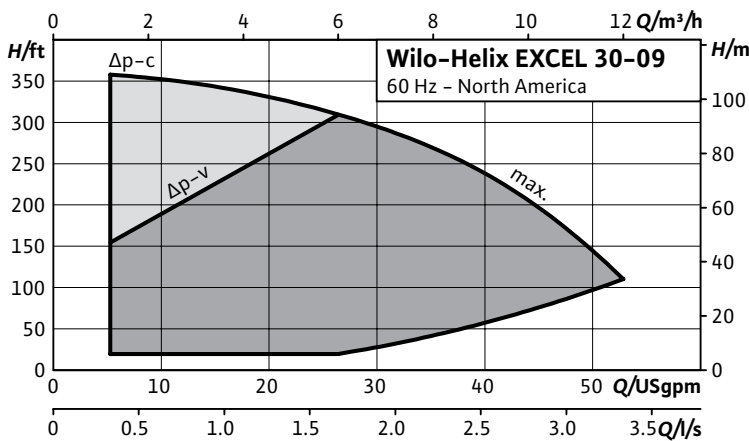
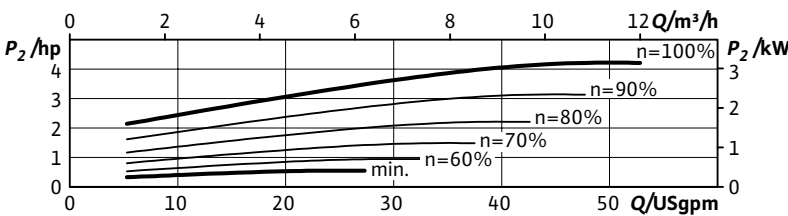
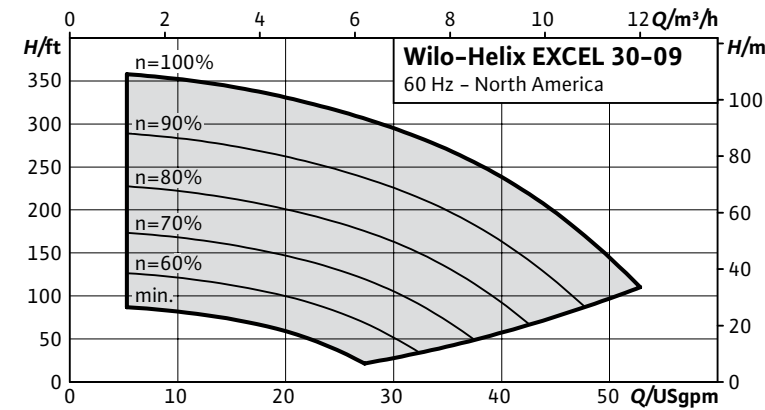
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-09					4.3	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.53
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

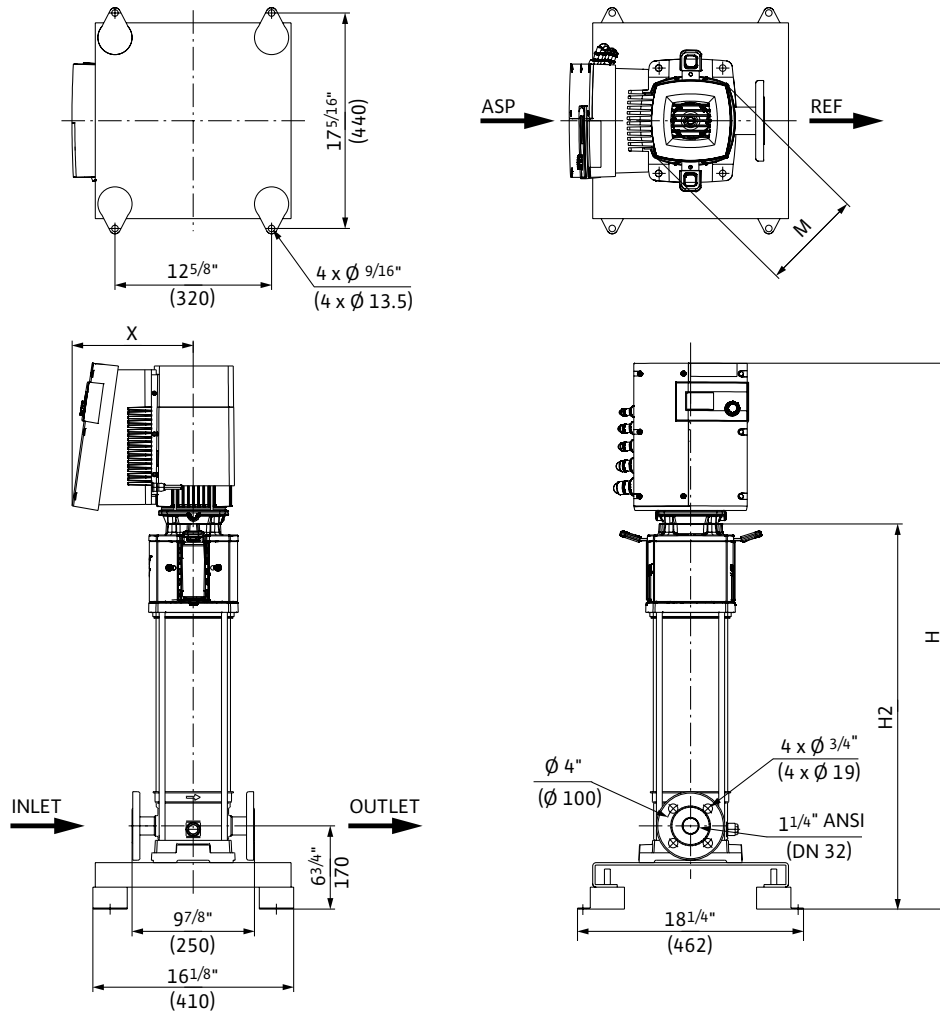
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

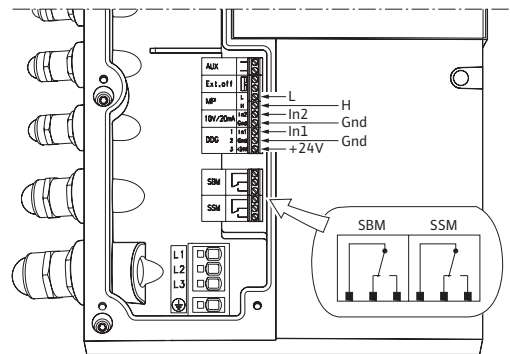


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 30-09	44	31 ^{1/16}	8 ^{3/8}	9 ^{3/4}	125.7
	(1117)	(789)	(206)	(248)	57

EC Motor Data (Single Motor Operation)




Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 30-09	4.3	3	460 (±10%)	6.0	93.00



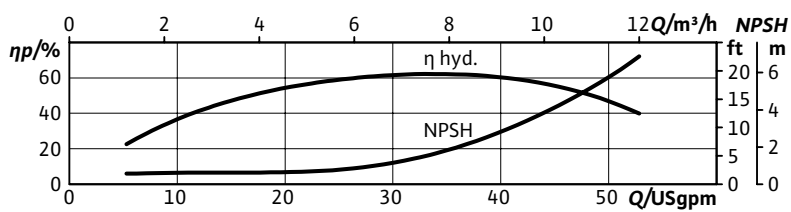
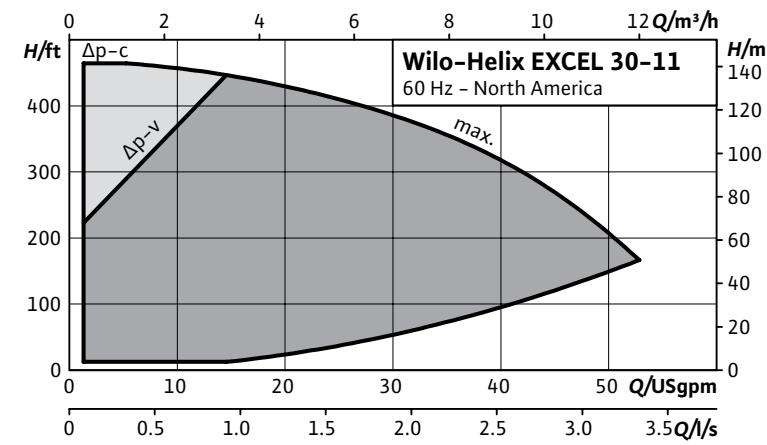
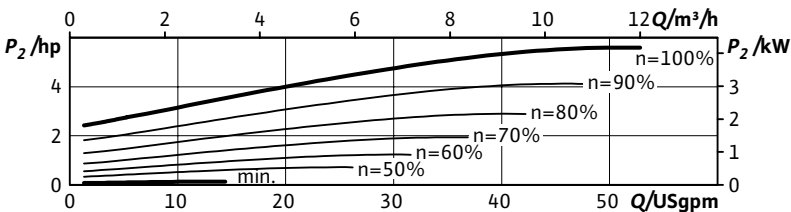
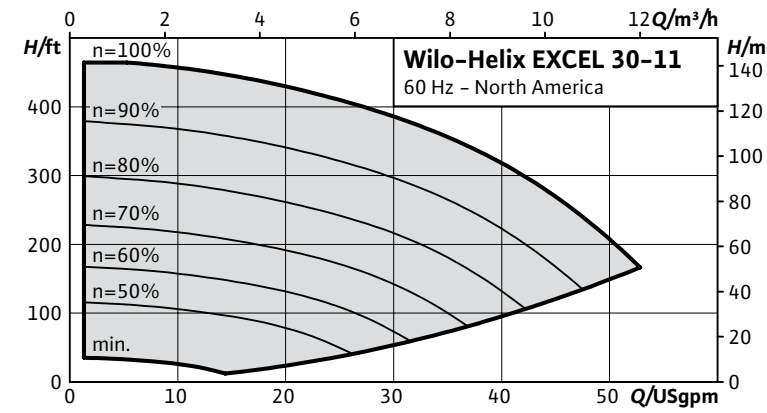
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-11					5.7	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.47
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

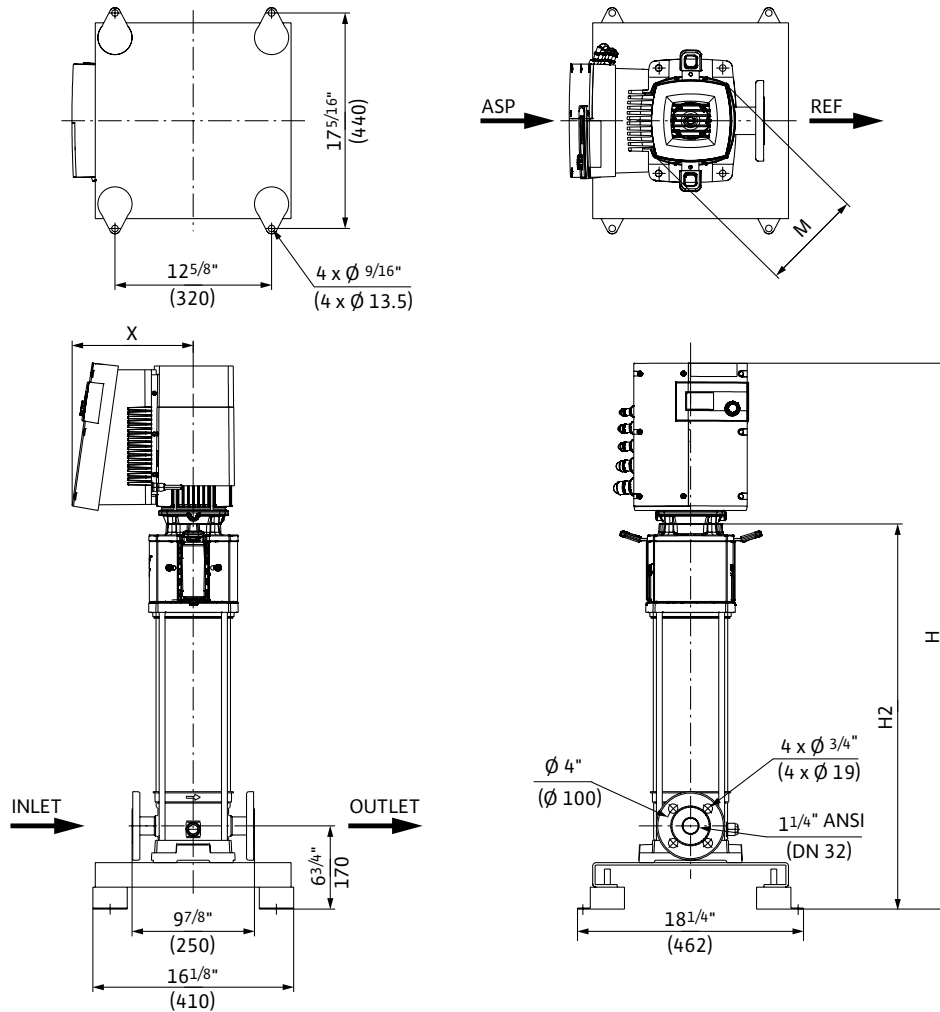
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

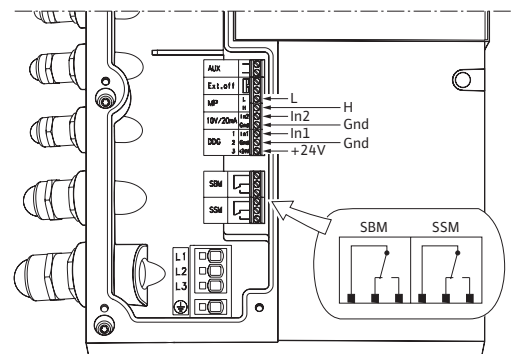


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 30-11	$56\frac{3}{4}"$	$40\frac{9}{16}"$	$8\frac{3}{4}"$	$10\frac{9}{16}"$	160.9
	(1441)	(1031)	(223)	(268)	(73)

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 30-11	5.7	3	460 ($\pm 10\%$)	6.5	95.8



Submittal Data Sheet

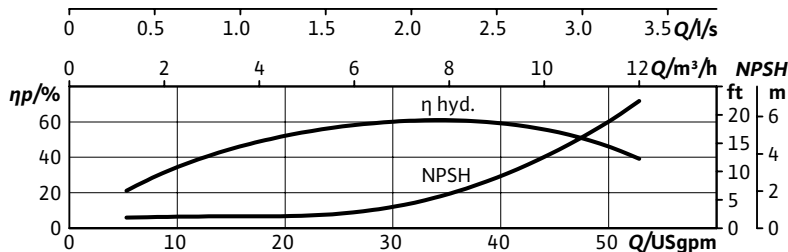
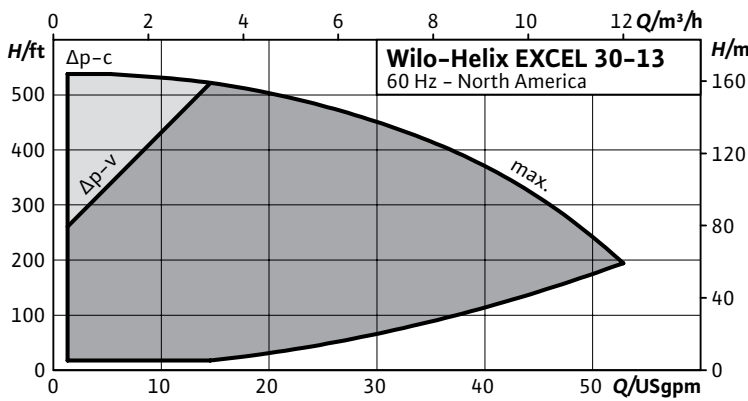
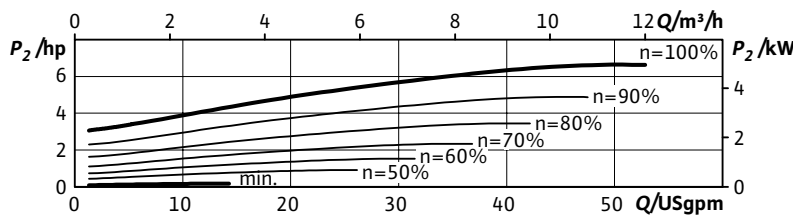
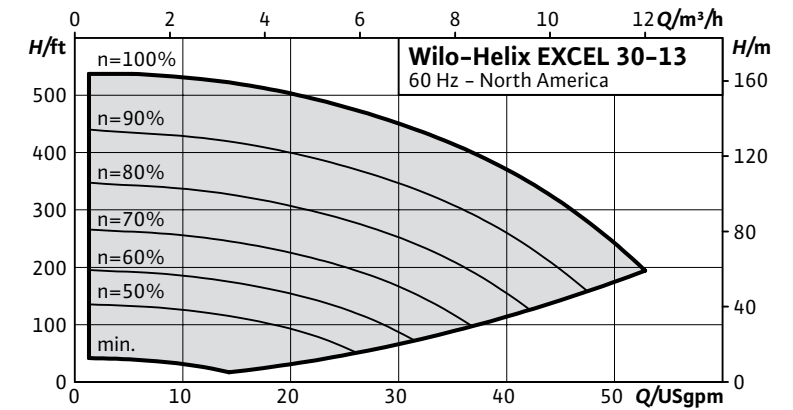
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-13					7.4	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.46
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

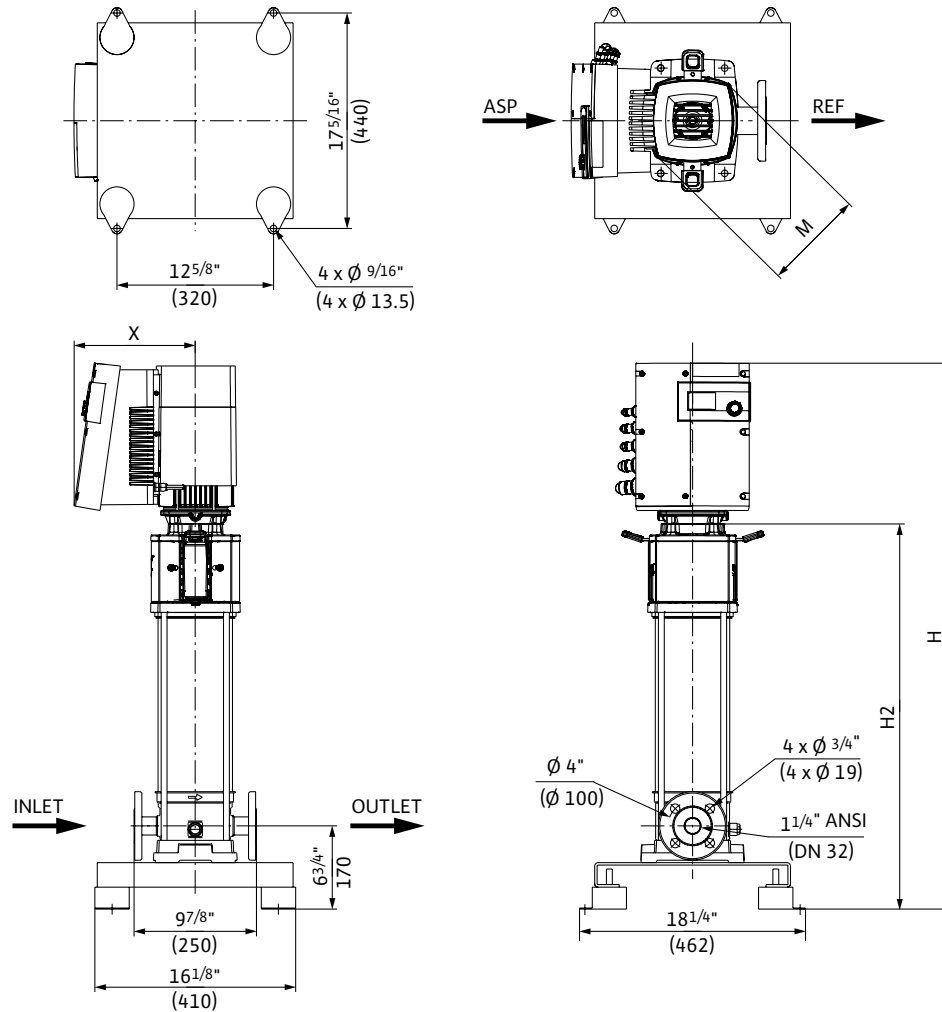
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBUS
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

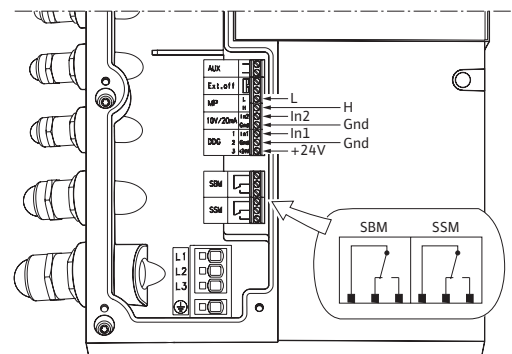


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 30-13	$59\frac{11}{16}$	$43\frac{9}{16}$	$8\frac{3}{4}$	$10\frac{9}{16}$	176.4 (80)
	(1516)	(1106)	(223)	(268)	

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 30-13	7.4	3	460 ($\pm 10\%$)	8.2	95.8



Submittal Data Sheet

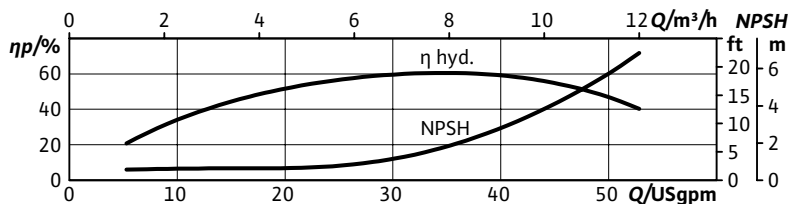
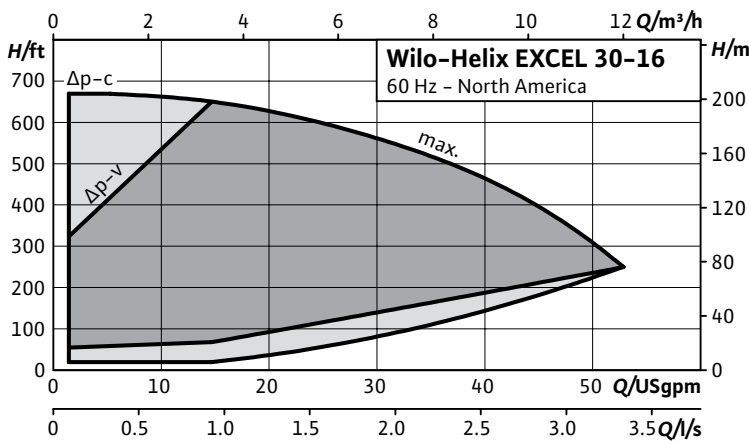
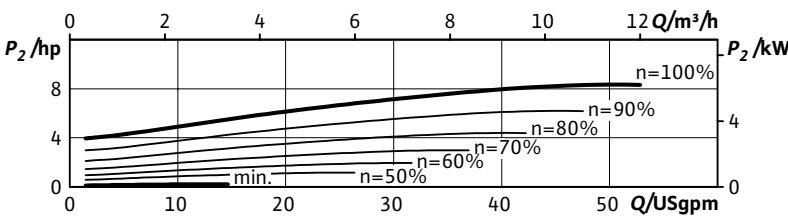
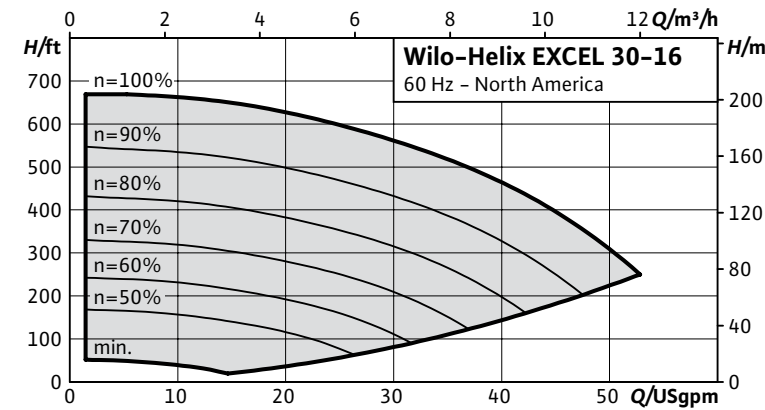
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-16					8.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

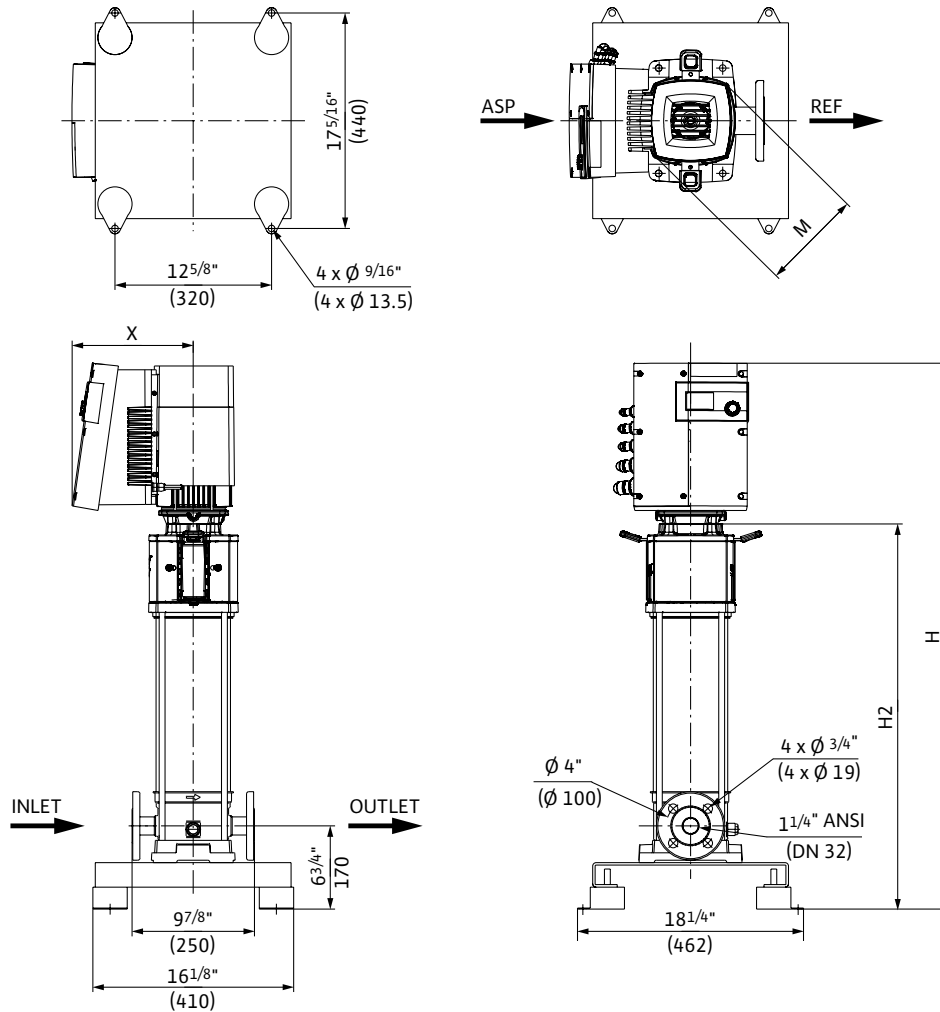
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

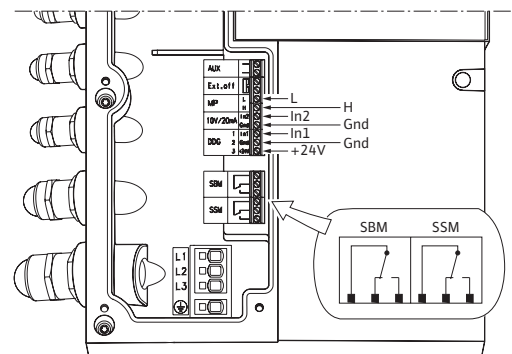


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 30-16	$63\frac{9}{16}$	$46\frac{1}{8}$	$9\frac{3}{4}$	11	209.4
	(1614)	(1181)	(248)	(280)	(95)

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 30-16	8.7	3	460 ($\pm 10\%$)	9.7	96.5



Submittal Data Sheet

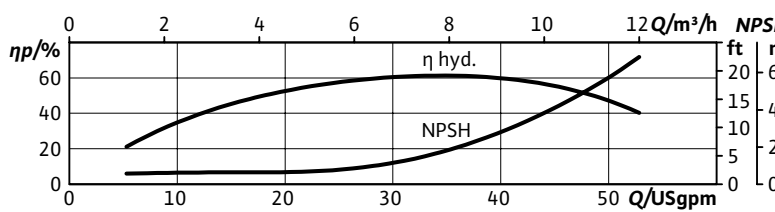
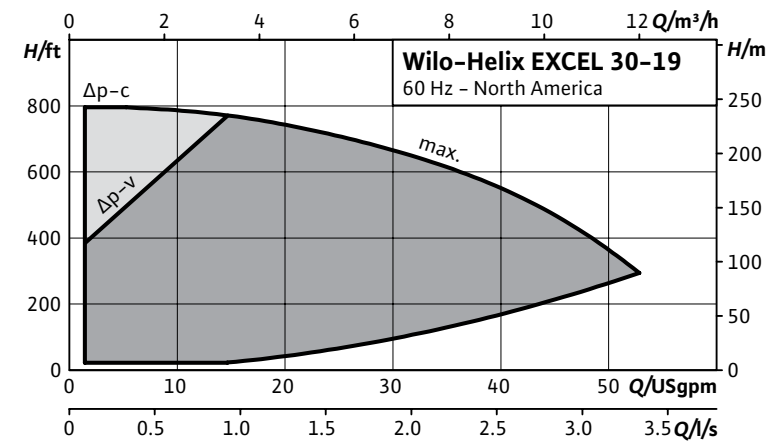
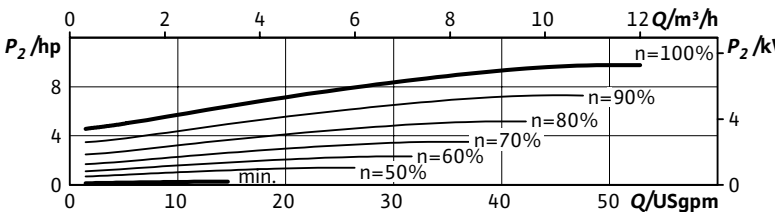
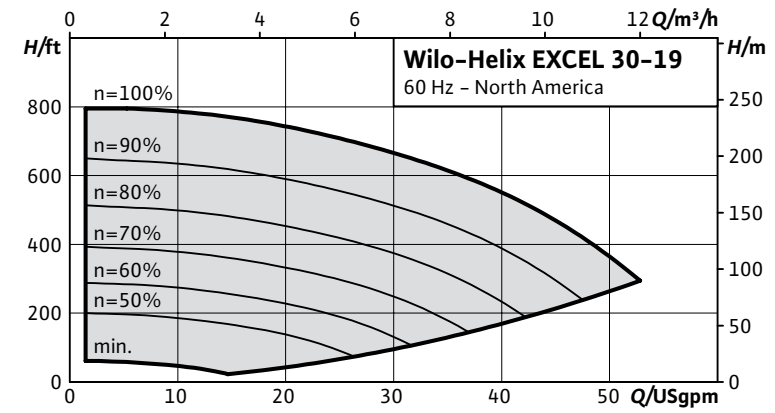
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 30-19					10.1	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

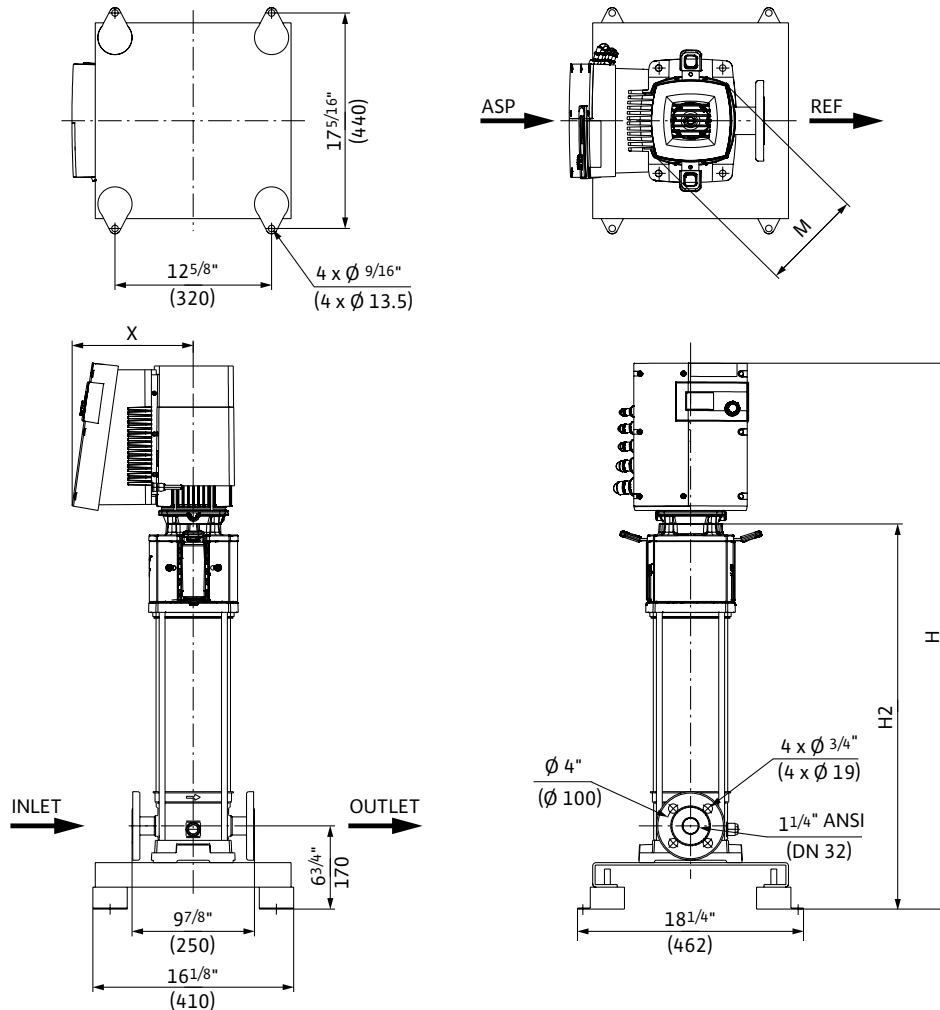
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

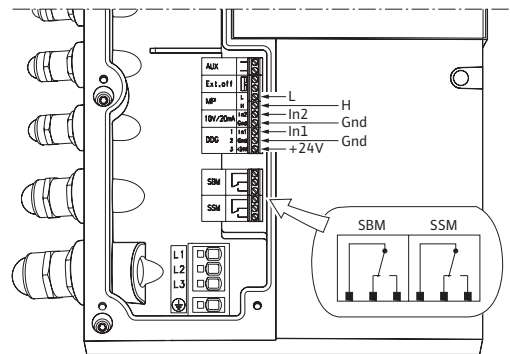


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 30-19	69 ^{7/16}	52 ^{3/8}	9 ^{3/4}	11	216.1
	(1764)	(1331)	(248)	(280)	(98)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 30-19	10.1	3	460 (±10%)	10.9	95.4



Submittal Data Sheet

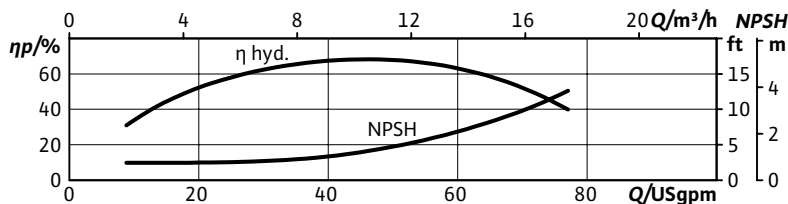
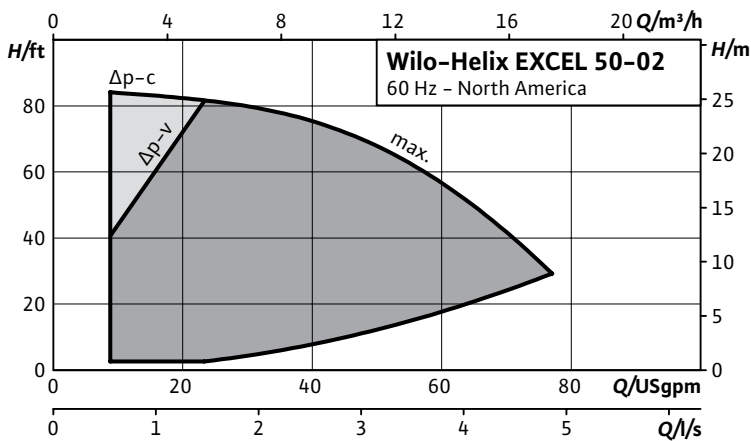
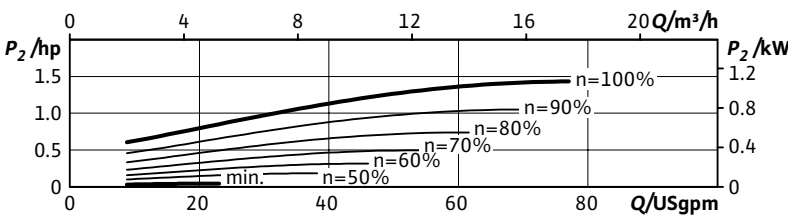
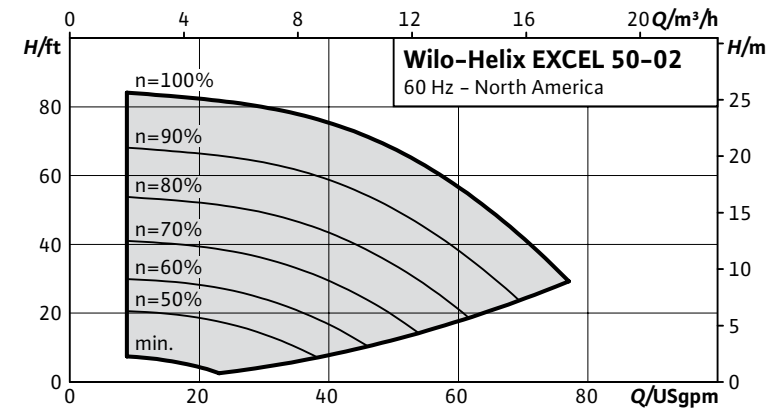
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 50-02					1.5	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.84
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

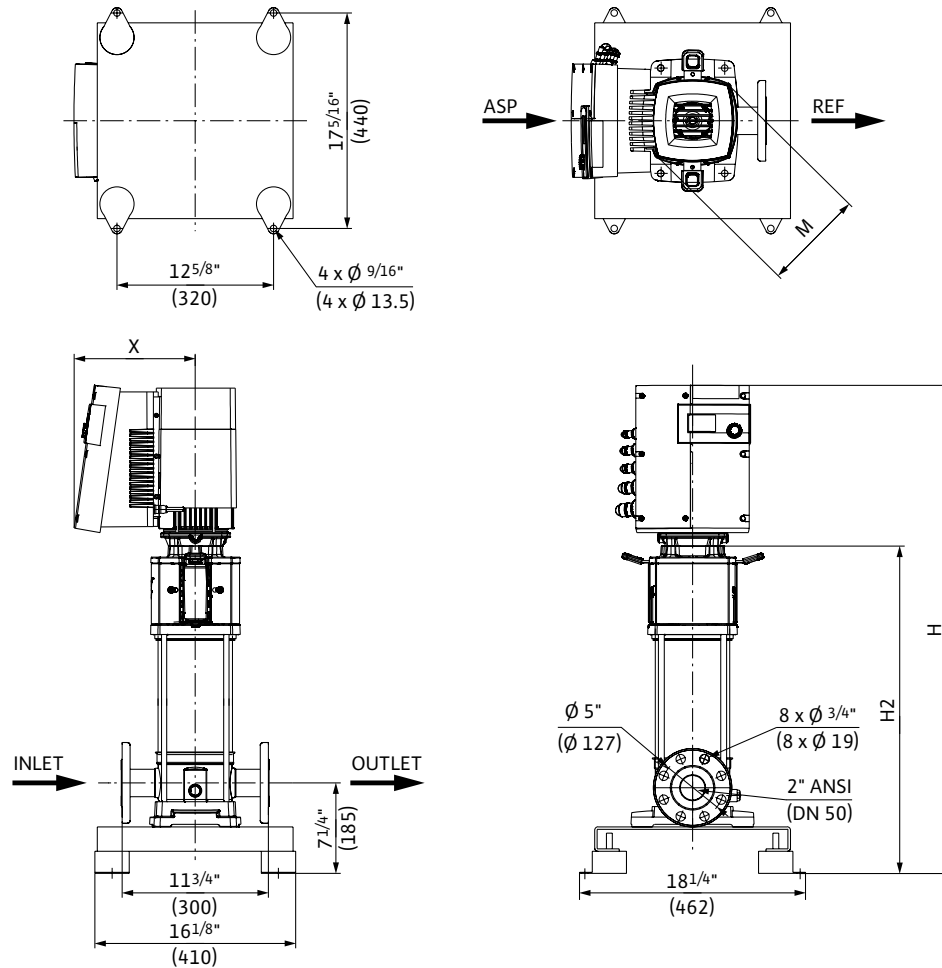
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

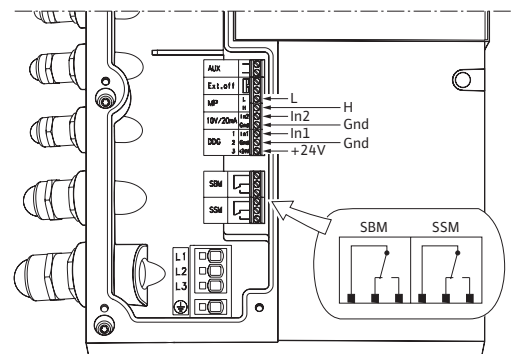


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	$\varnothing M$	X	
Helix EXCEL 50-02	$33\frac{1}{16}$	$20\frac{3}{16}$	$8\frac{1}{8}$	$9\frac{3}{4}$	110.2
	(840)	(512)	(206)	(248)	(50)

EC Motor Data (Single Motor Operation)





Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 50-02	1.5	3	460 ($\pm 10\%$)	1.76	92.0



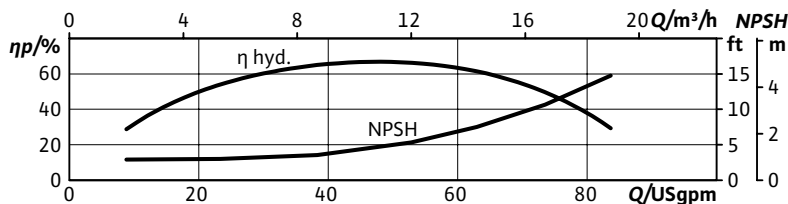
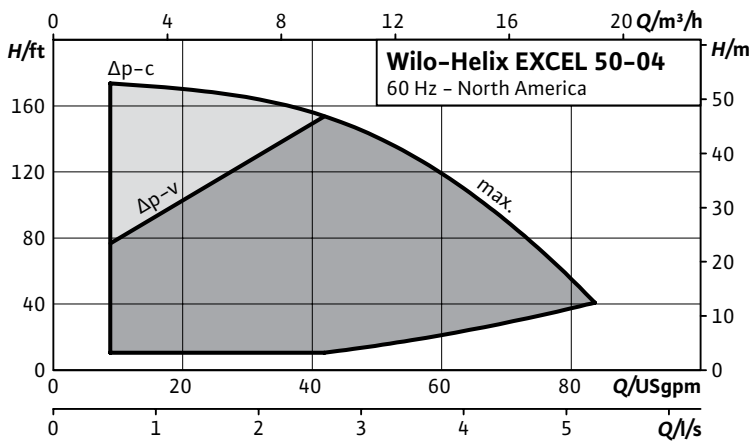
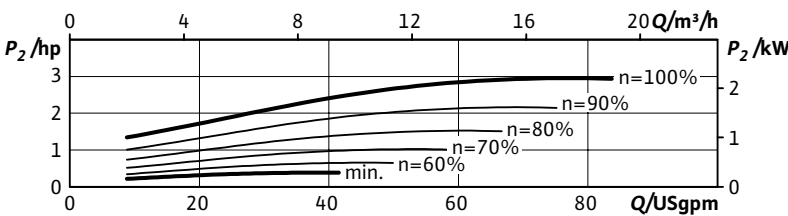
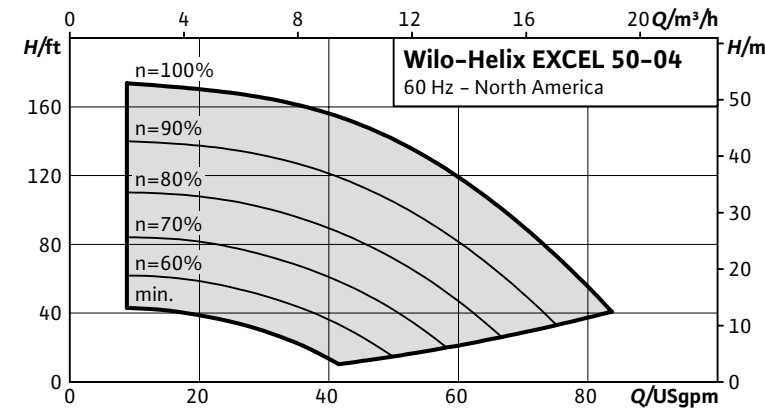
Submittal Data Sheet

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 50-04					3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.61
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

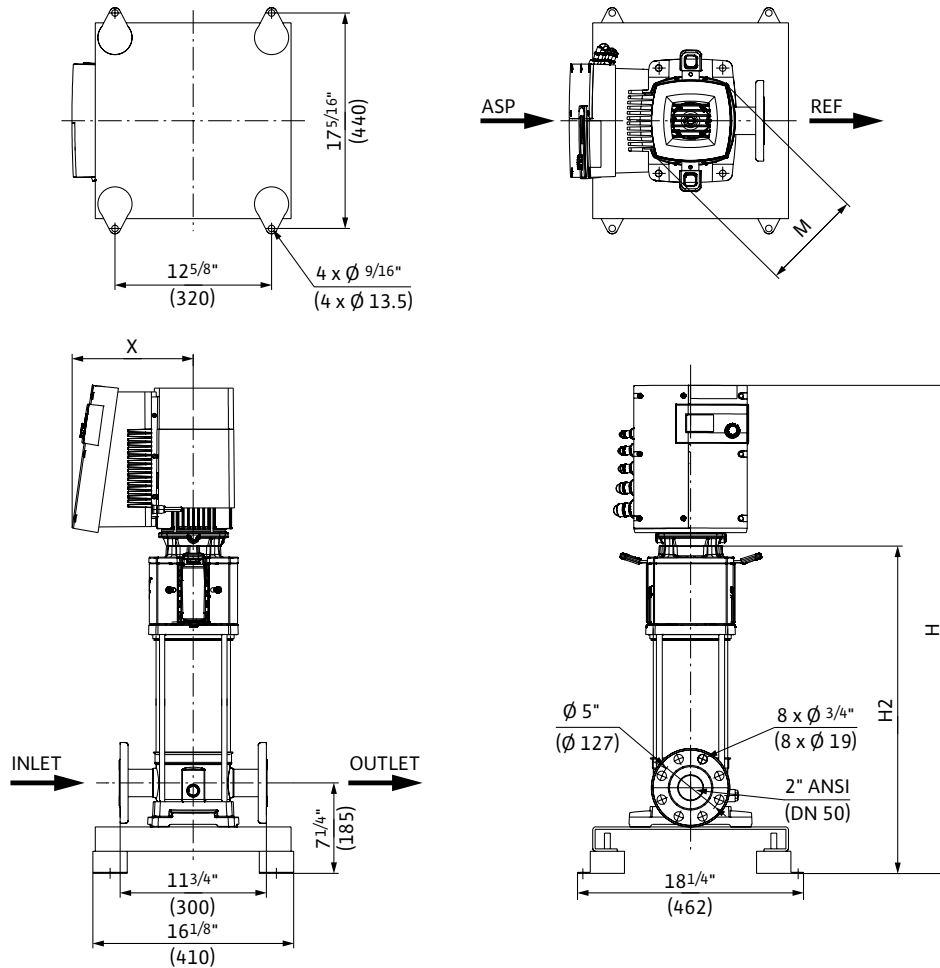
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

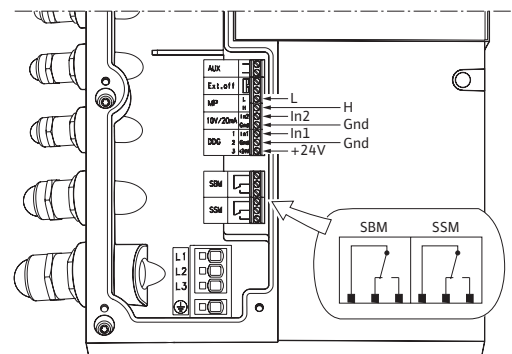


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	$\varnothing M$	X	
Helix EXCEL 50-04	$36\frac{7}{16}$	$23\frac{1}{2}$	$8\frac{3}{8}$	$9\frac{3}{4}$	119.0
	(925)	(597)	(206)	(248)	(54)

EC Motor Data (Single Motor Operation)



Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 50-04	3.0	3	460 ($\pm 10\%$)	4.4	93.0



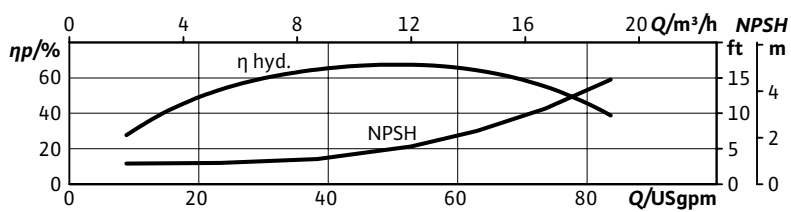
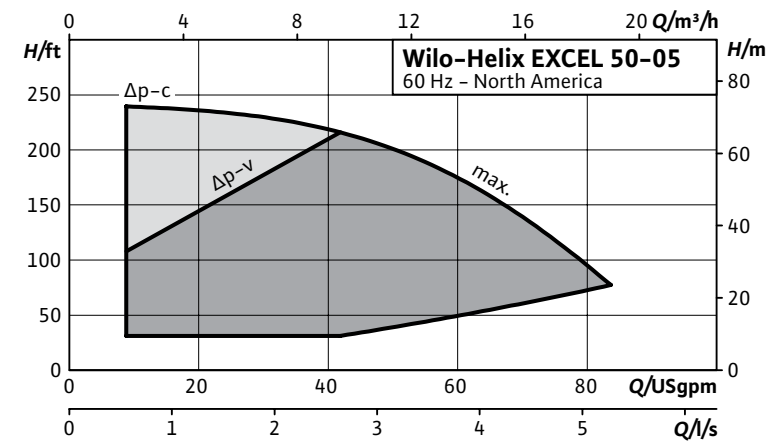
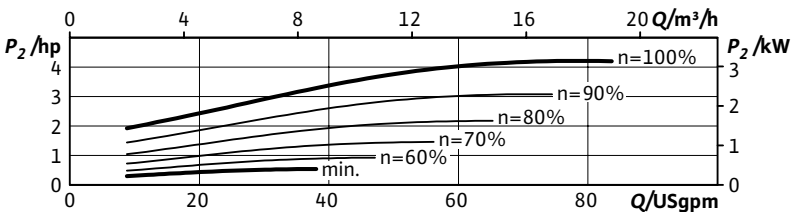
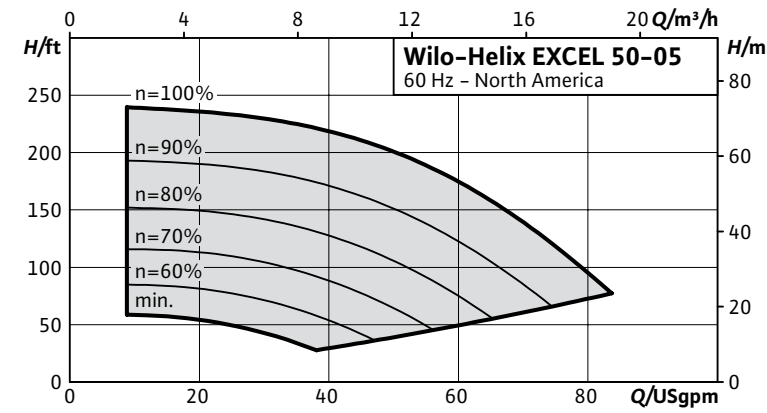
Submittal Data Sheet

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 50-05					4.3	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.54
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

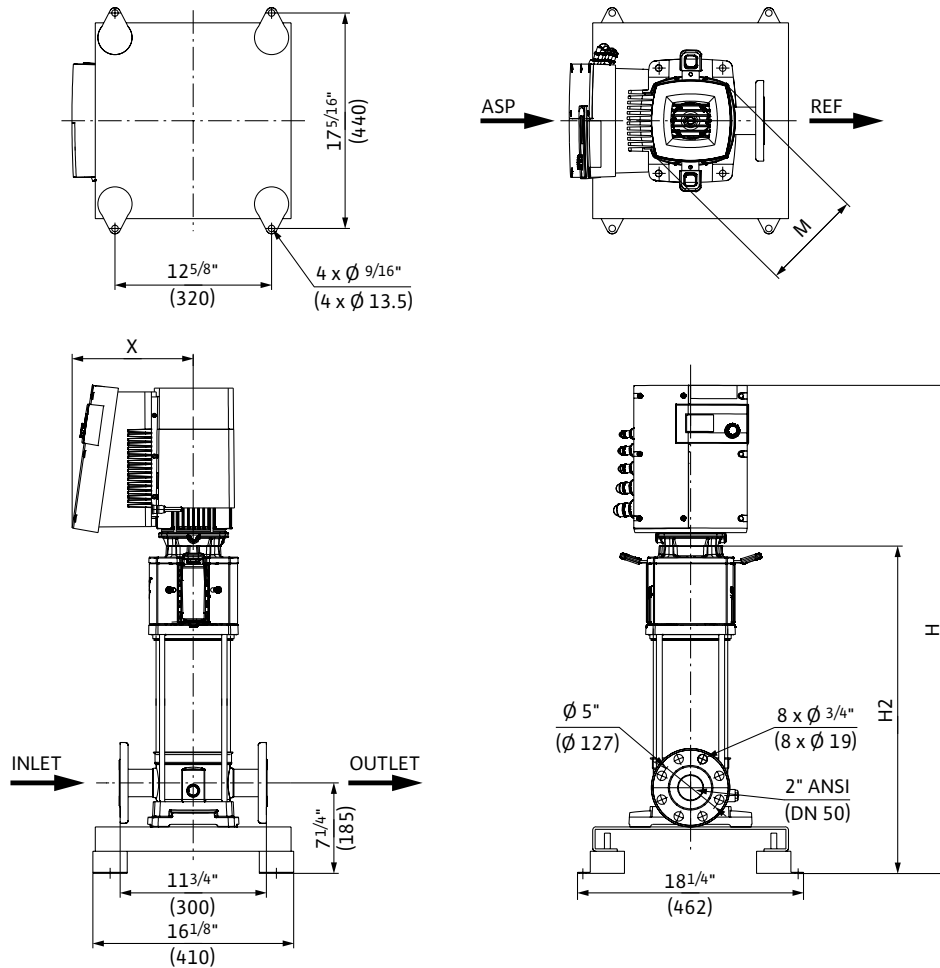
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

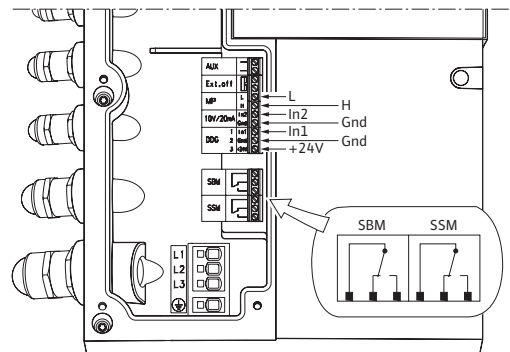


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-05	37 ^{15/16}	25	8 ^{3/8}	9 ^{3/4}	121.3
	(963)	(635)	(206)	(248)	(55)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 50-05	4.3	3	460 (±10%)	6	93.0



Submittal Data Sheet

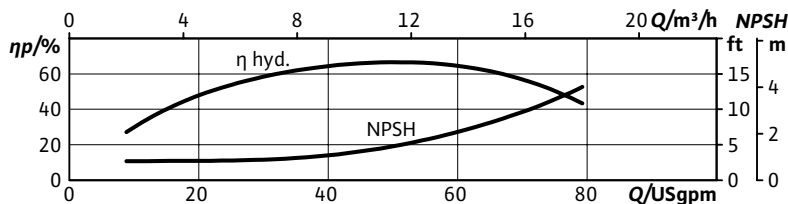
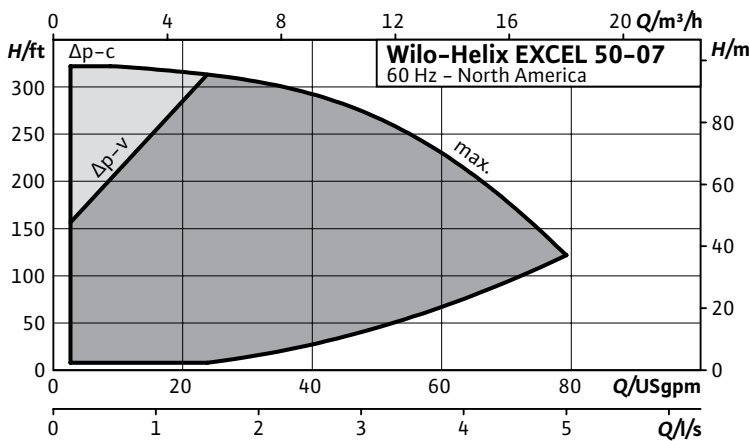
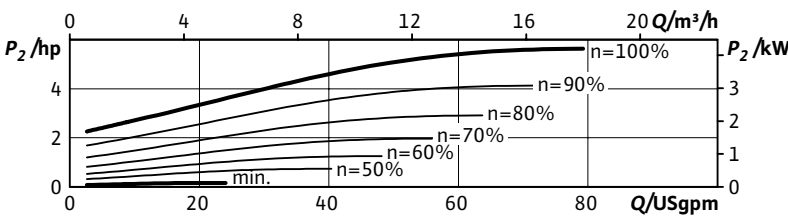
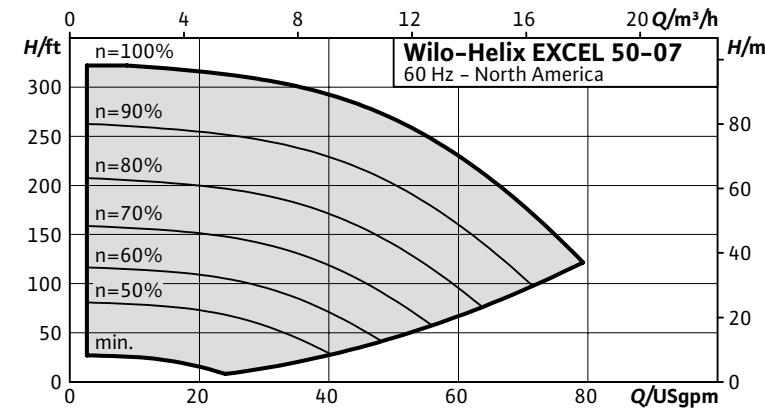
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 50-07					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.48
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

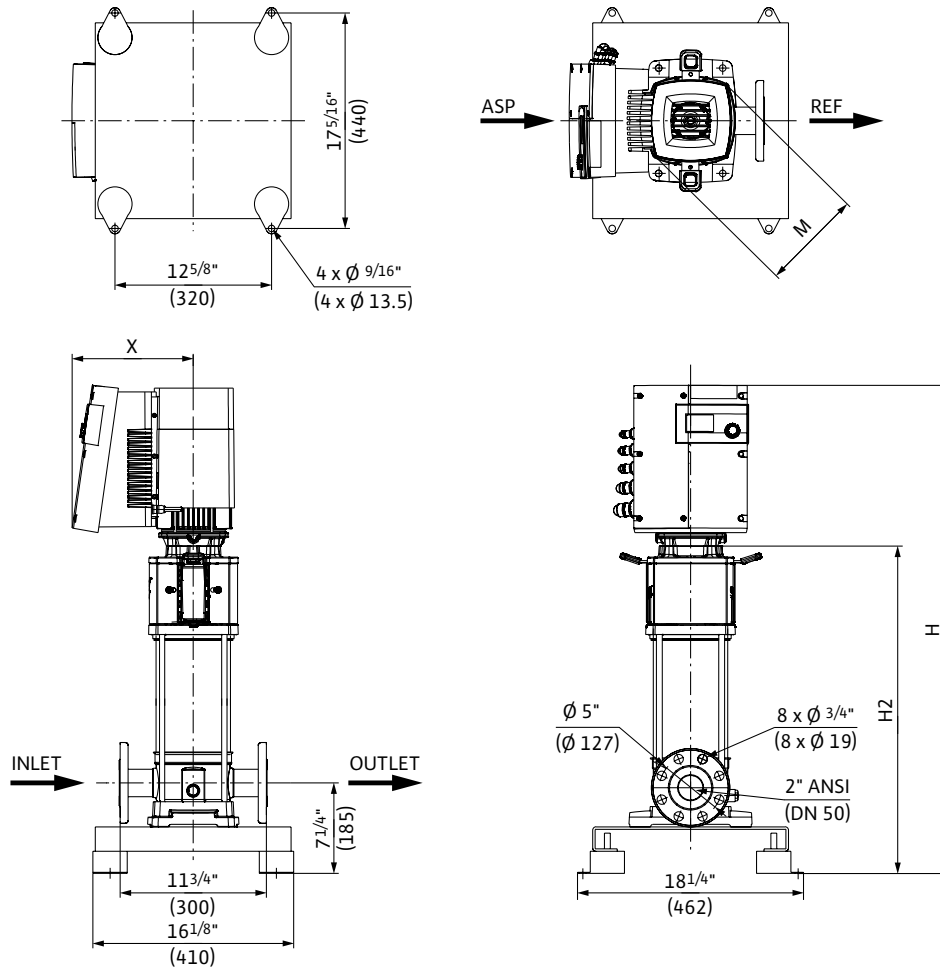
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

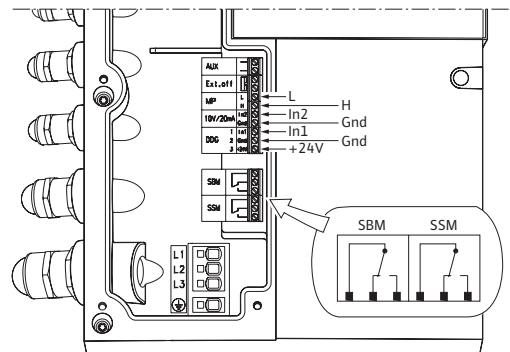


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-07	49 ^{3/16}	33 ^{1/16}	8 ^{3/4}	10 ^{9/16}	154.3
	(1250)	(840)	(223)	(268)	(70)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 50-07	5.7	3	460 (±10%)	6.5	95.8



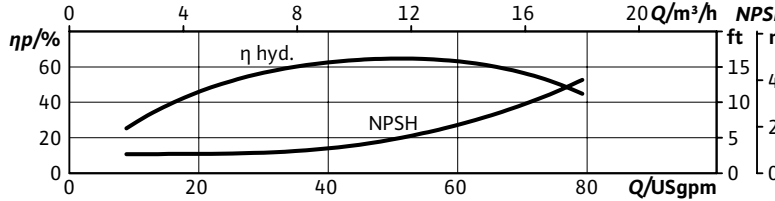
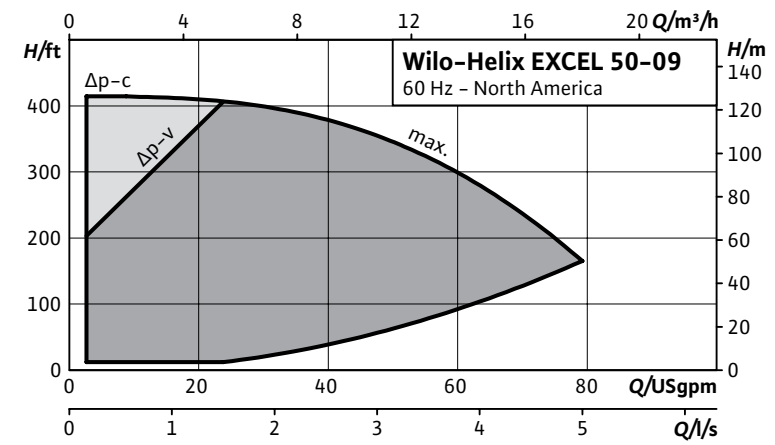
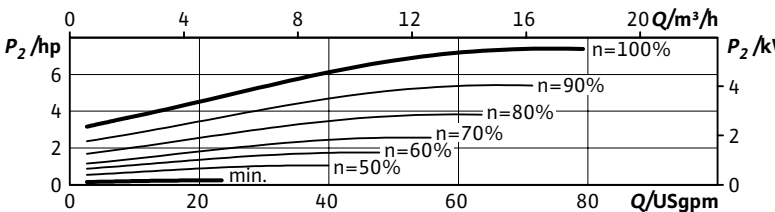
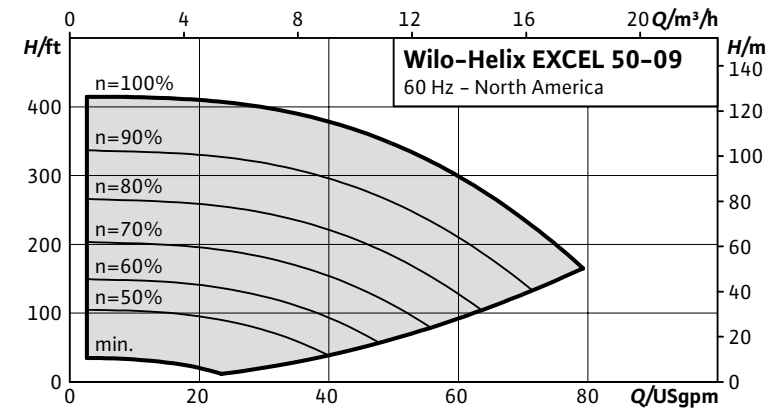
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 50-09					7.4	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.47
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

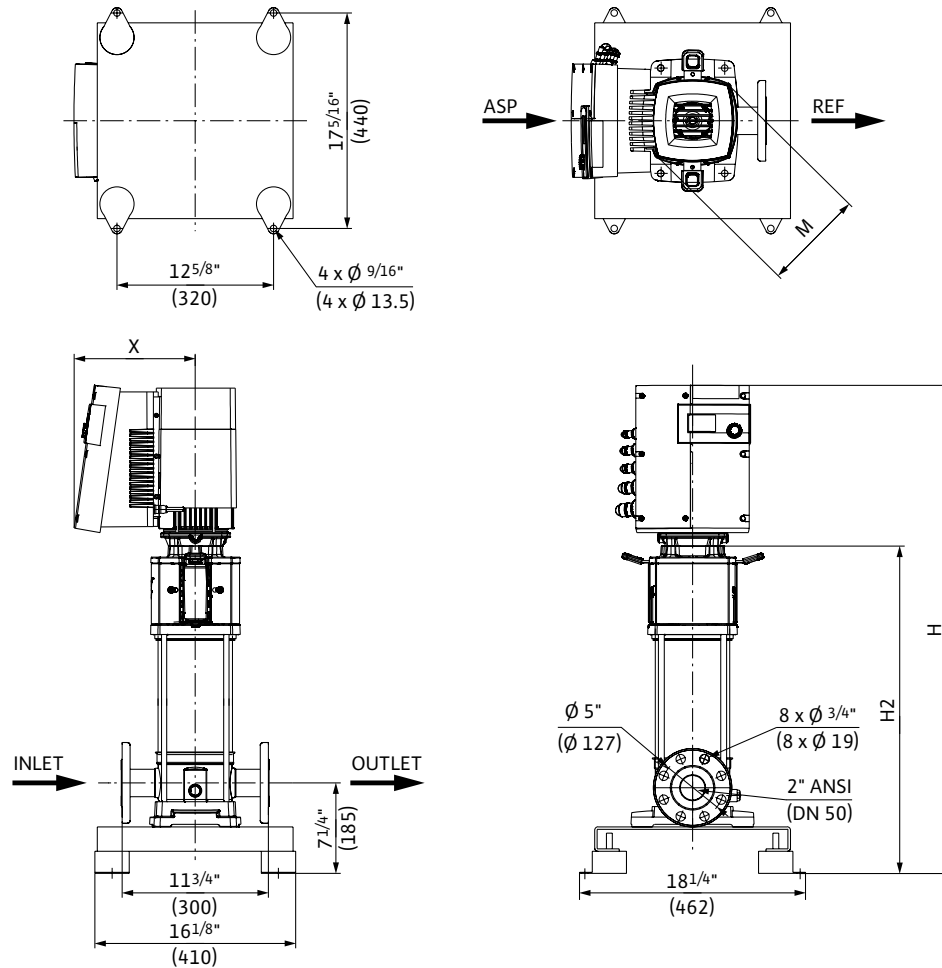
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

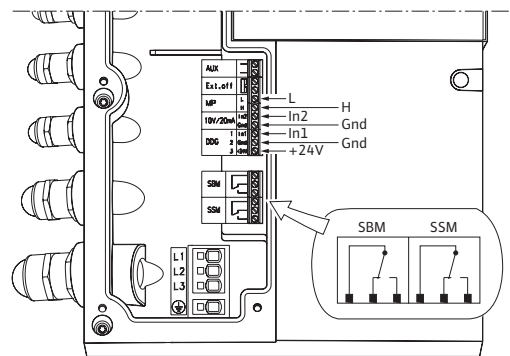


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-09	52 ^{3/16}	36	8 ^{3/4}	10 ^{9/16}	189.6
	(1325)	(915)	(223)	(268)	(86)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 50-09	7.4	3	460 (±10%)	8.2	95.8



Submittal Data Sheet

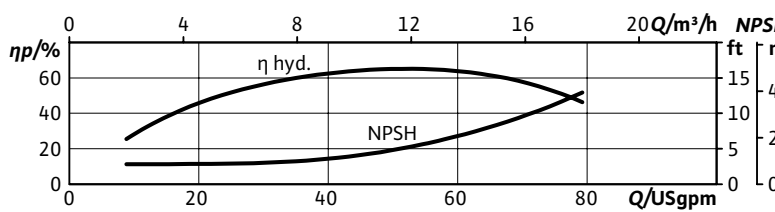
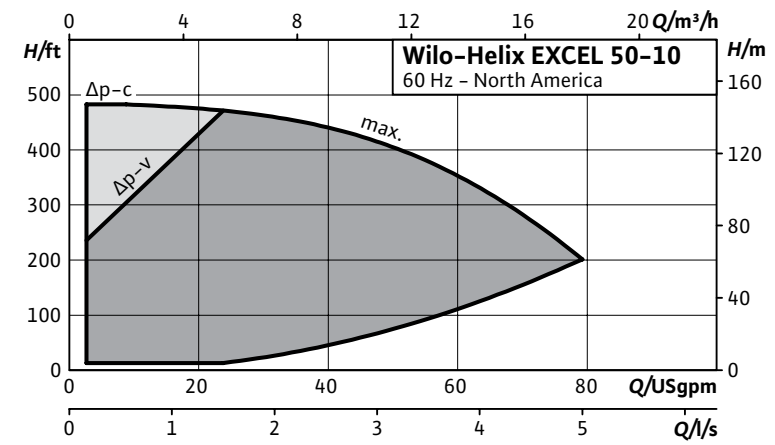
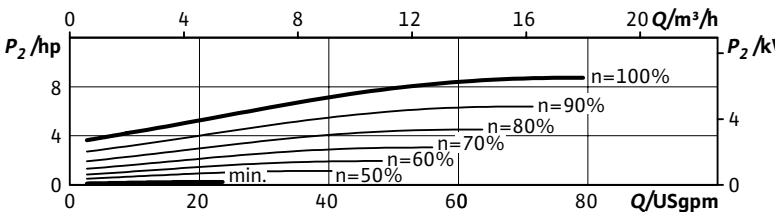
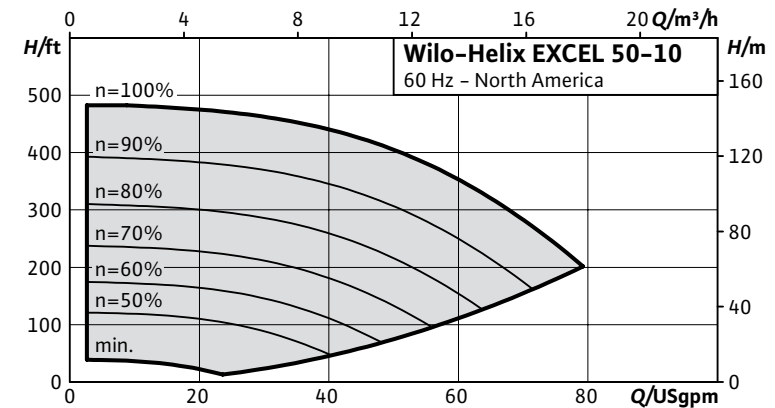
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 50-10					8.7	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.46
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

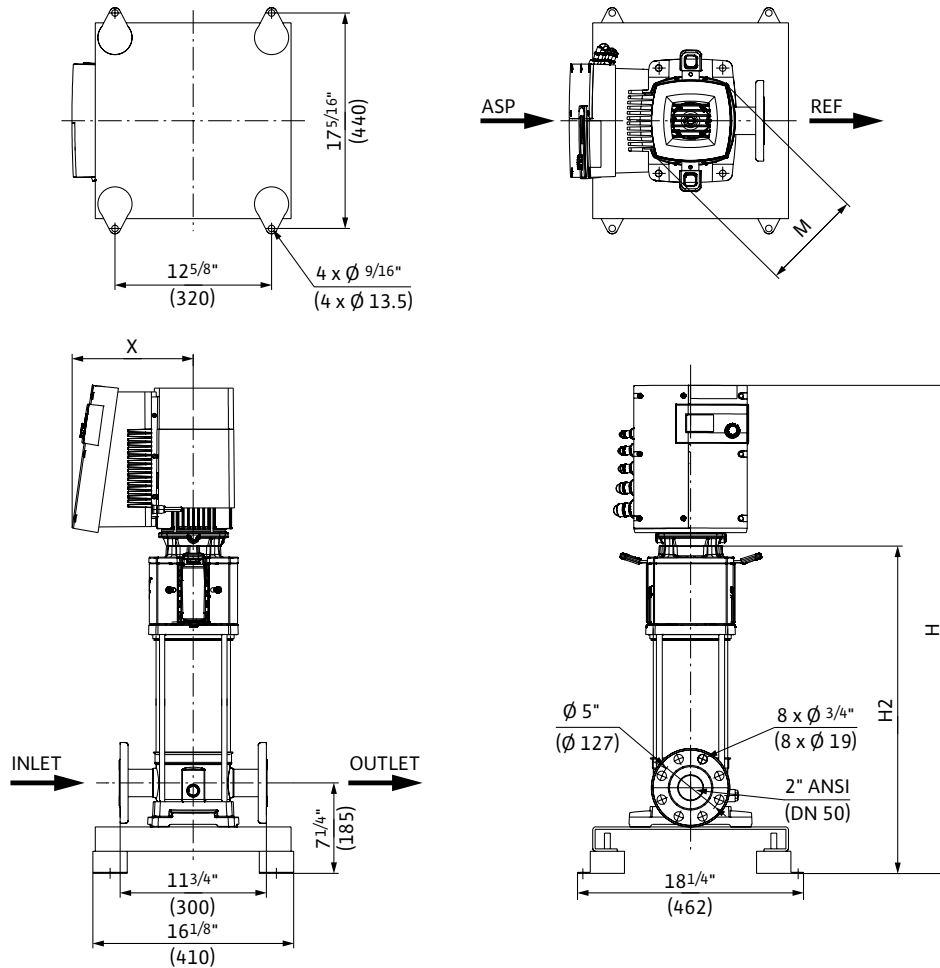
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

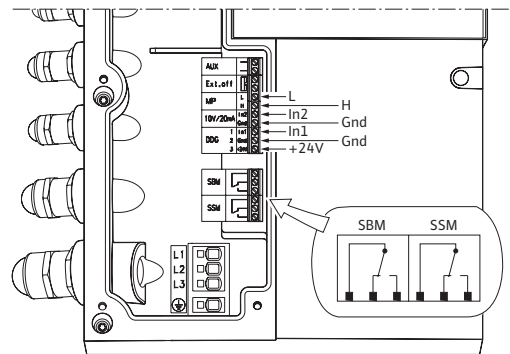


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-10	54 1/2	37 1/2	9 3/4	11	202.8
	(1385)	(952)	(248)	(280)	(92)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 50-10	8.7	3	460 (±10%)	9.7	96.5



Submittal Data Sheet

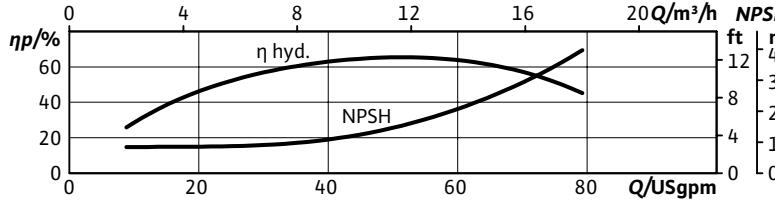
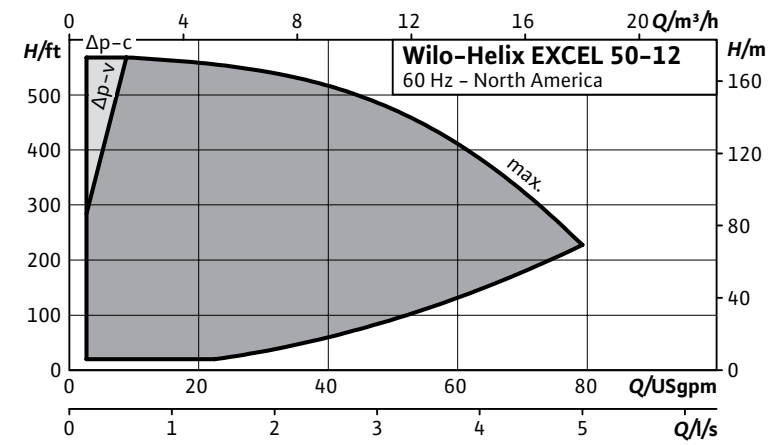
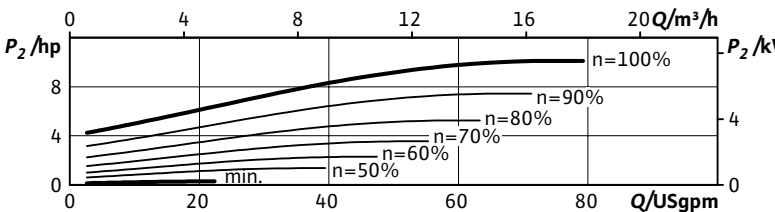
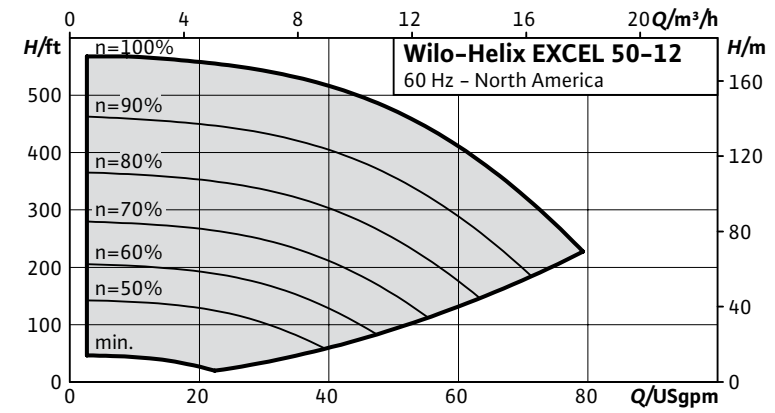
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 50-12					10.1	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.45
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

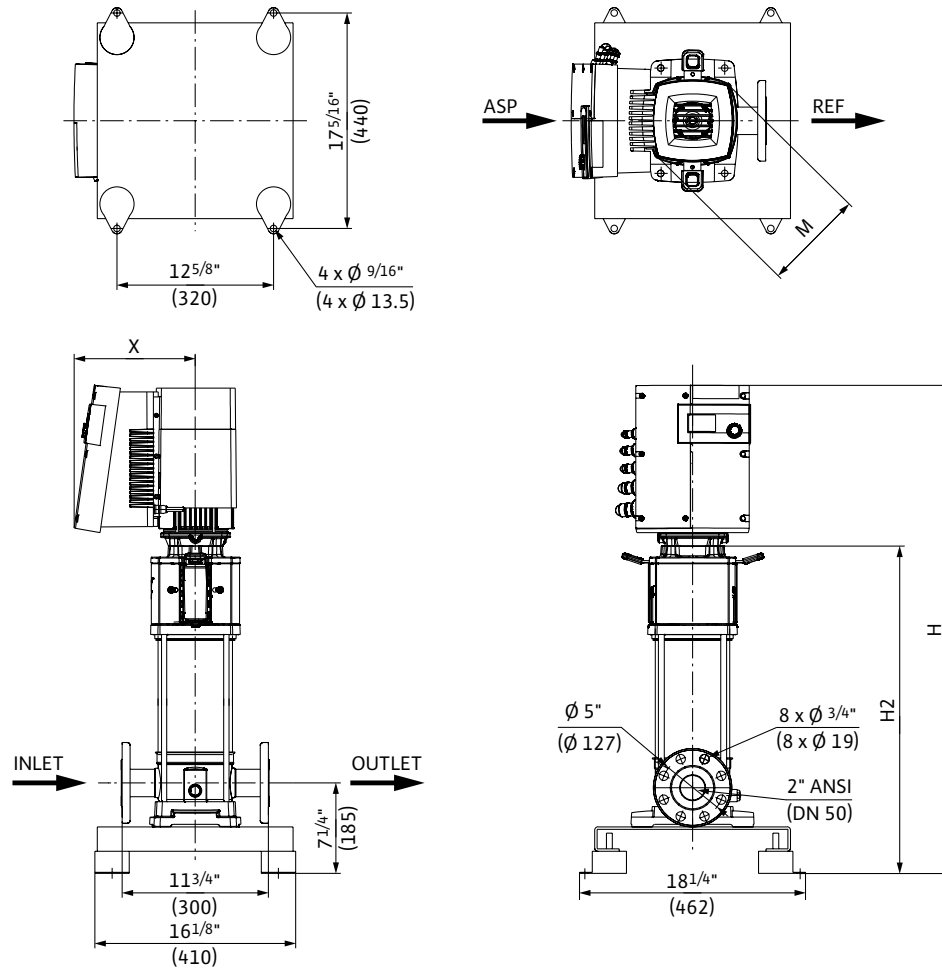
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

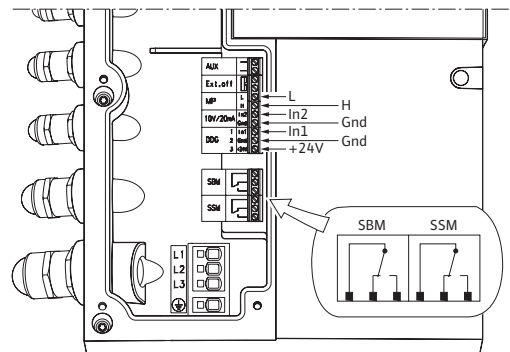


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-12	57 ¹ / ₂	40 ⁷ / ₁₆	9 ³ / ₄	11	207.2
	(1460)	(1027)	(248)	(280)	(94)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 50-12	10.1	3	460 (±10%)	10.9	96.4



Submittal Data Sheet

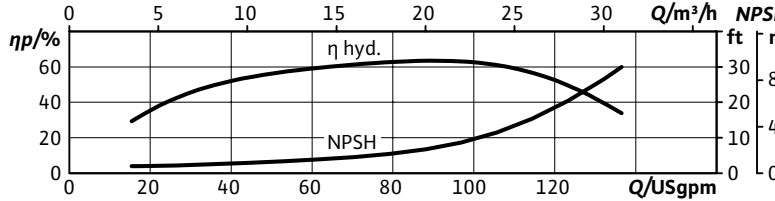
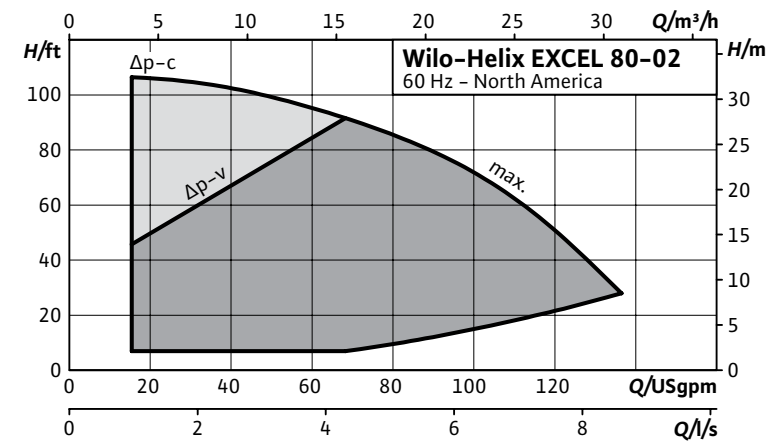
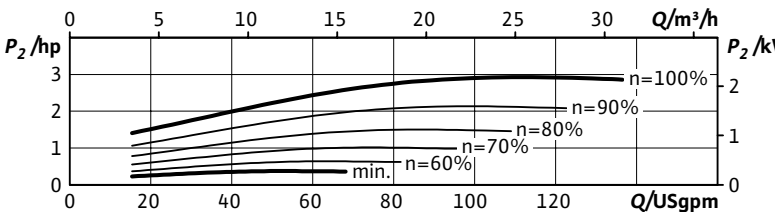
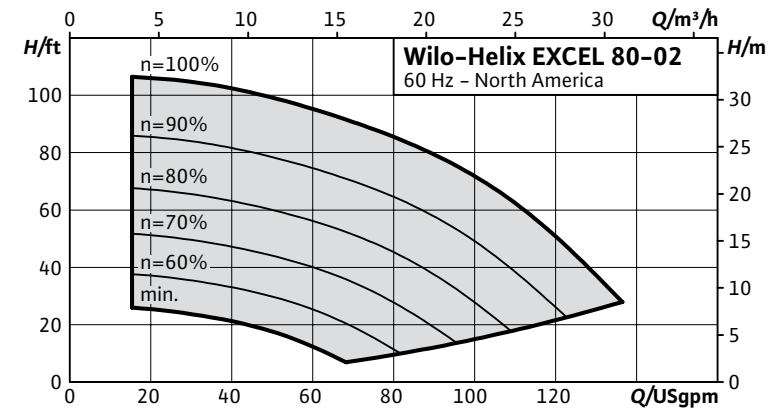
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-02					3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.67
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

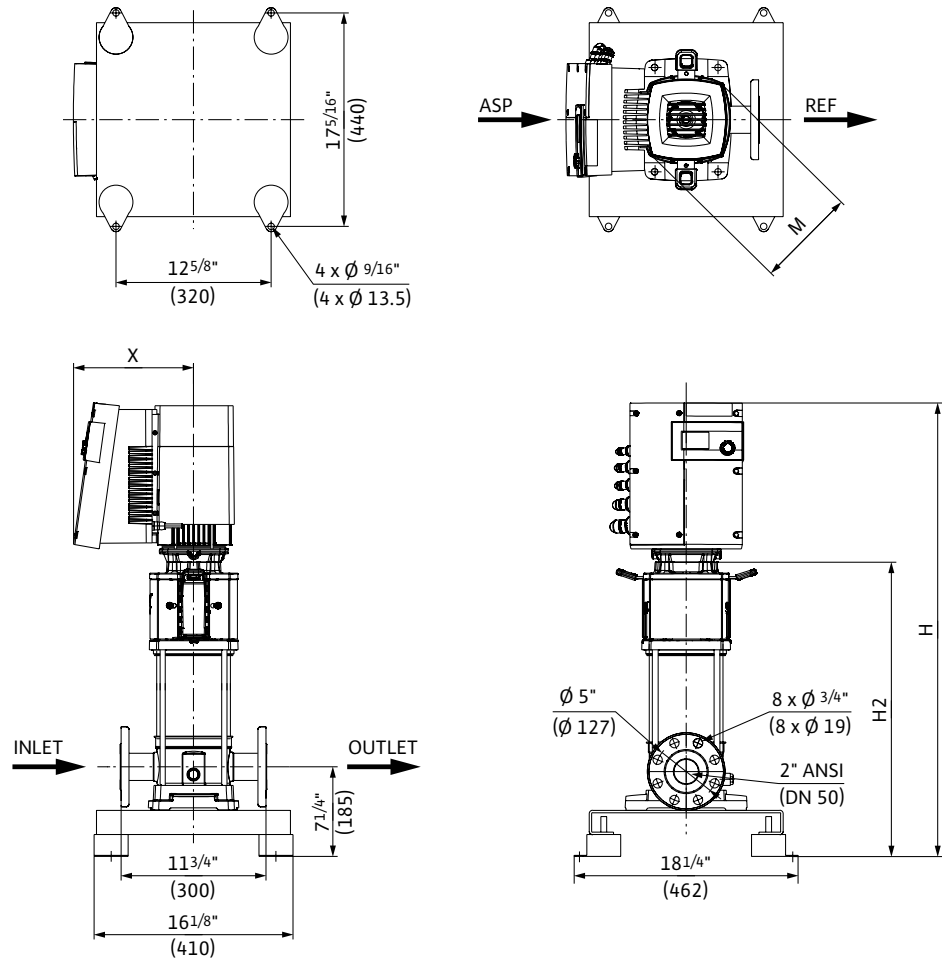
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

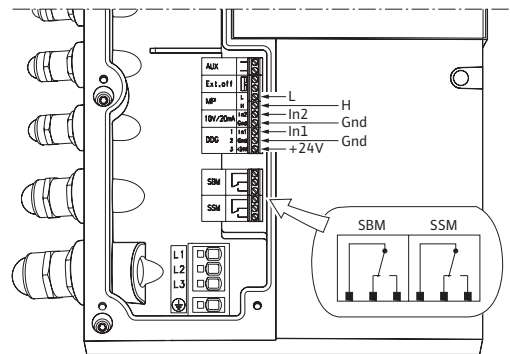


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-02	34 ^{13/16}	21 ^{15/16}	8 ^{3/8}	9 ^{3/4}	123.5
	(885)	(557)	(206)	(248)	(56)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-02	3.0	3	460 (±10%)	4.4	93.0



Submittal Data Sheet

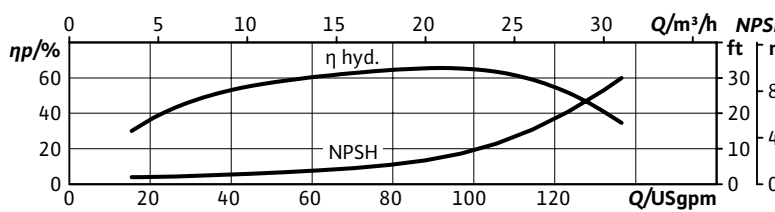
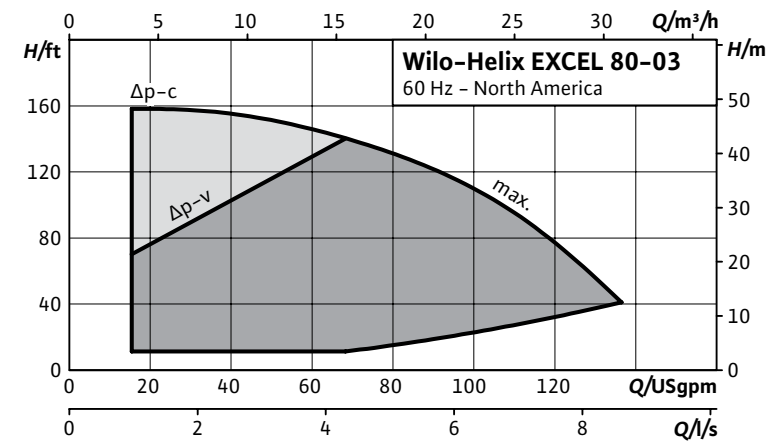
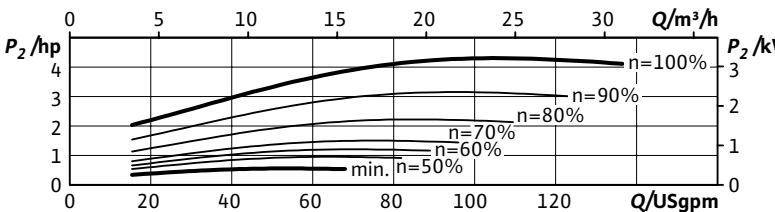
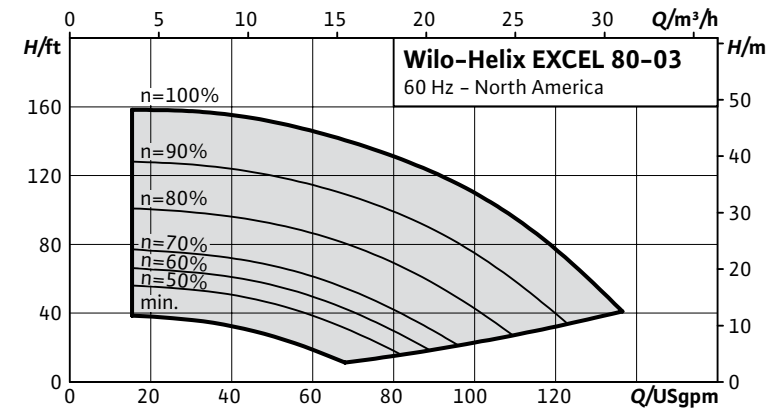
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-03					4.3	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.57
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

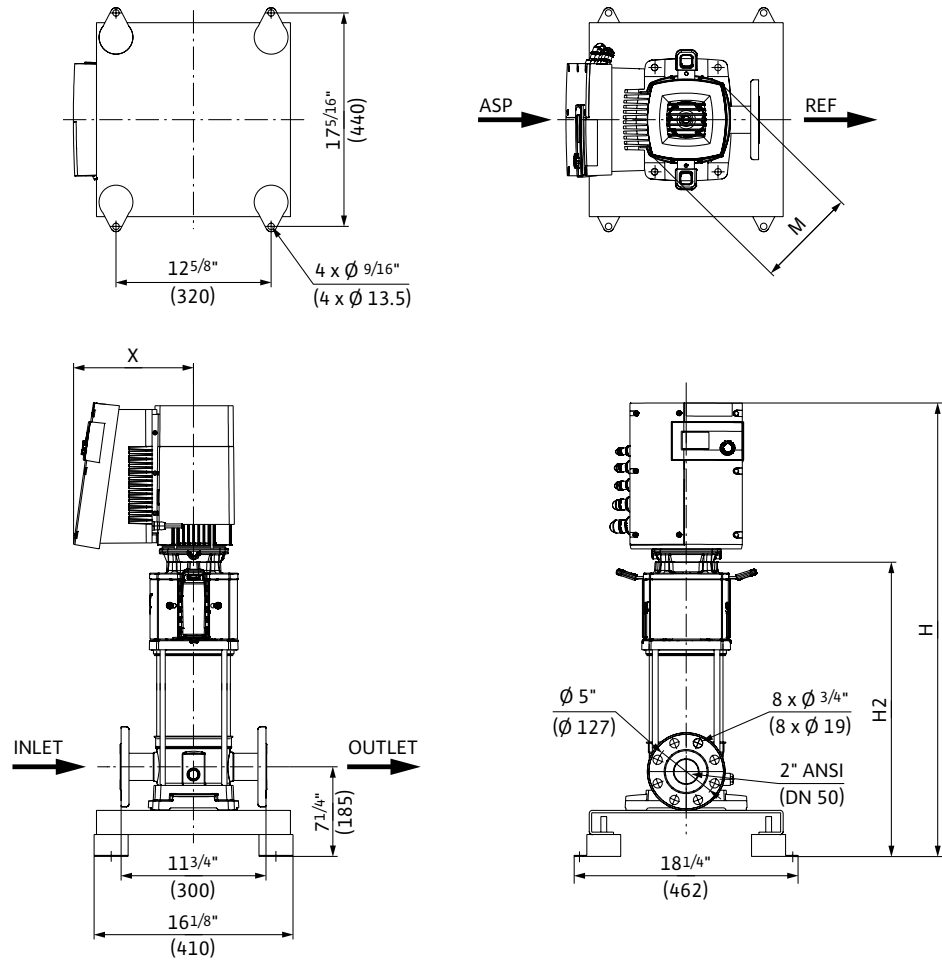
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

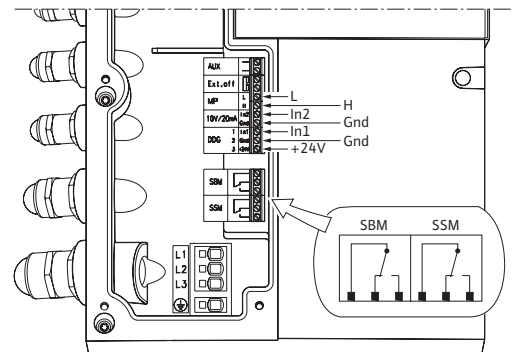


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-03	36 ^{13/16}	23 ^{7/8}	8 ^{1/8}	9 ^{3/4}	125.7
	(935)	(607)	(206)	(248)	(57)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-03	4.3	3	460 (±10%)	6	93.0



Submittal Data Sheet

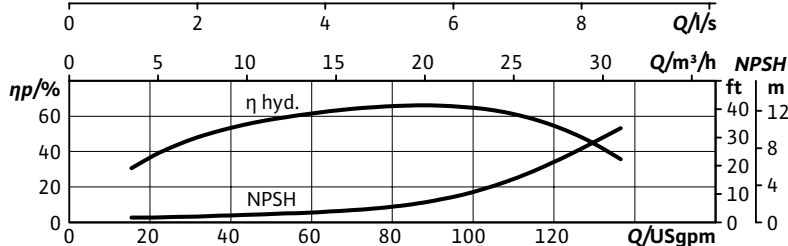
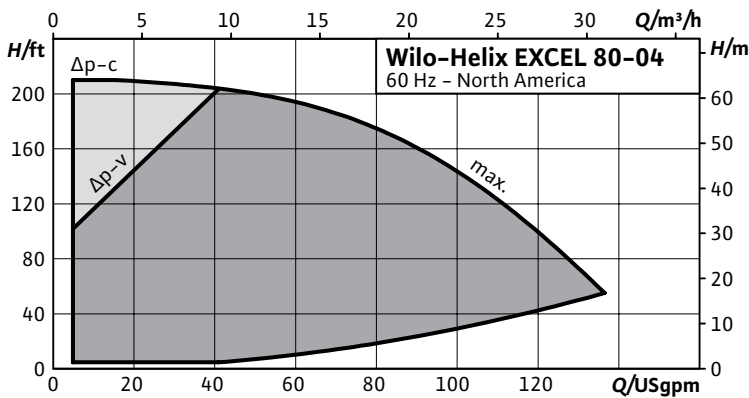
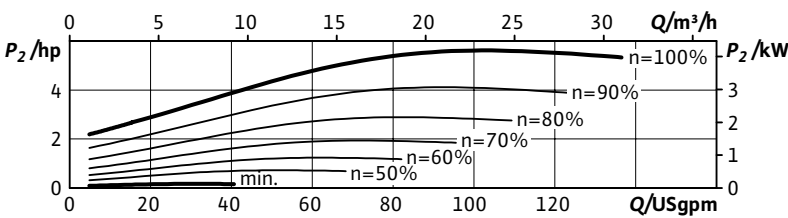
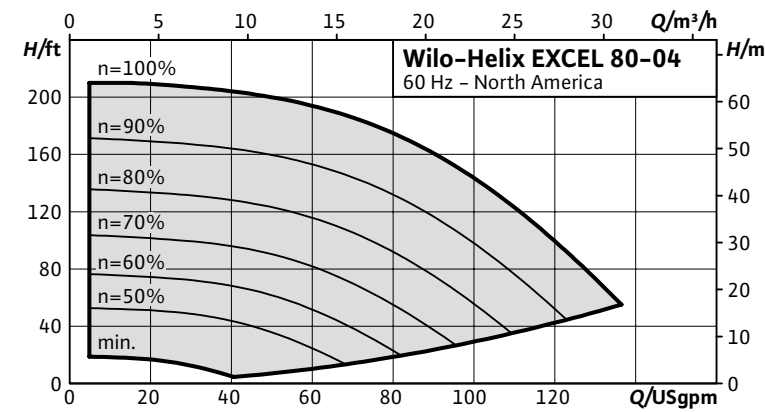
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-04					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.51
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

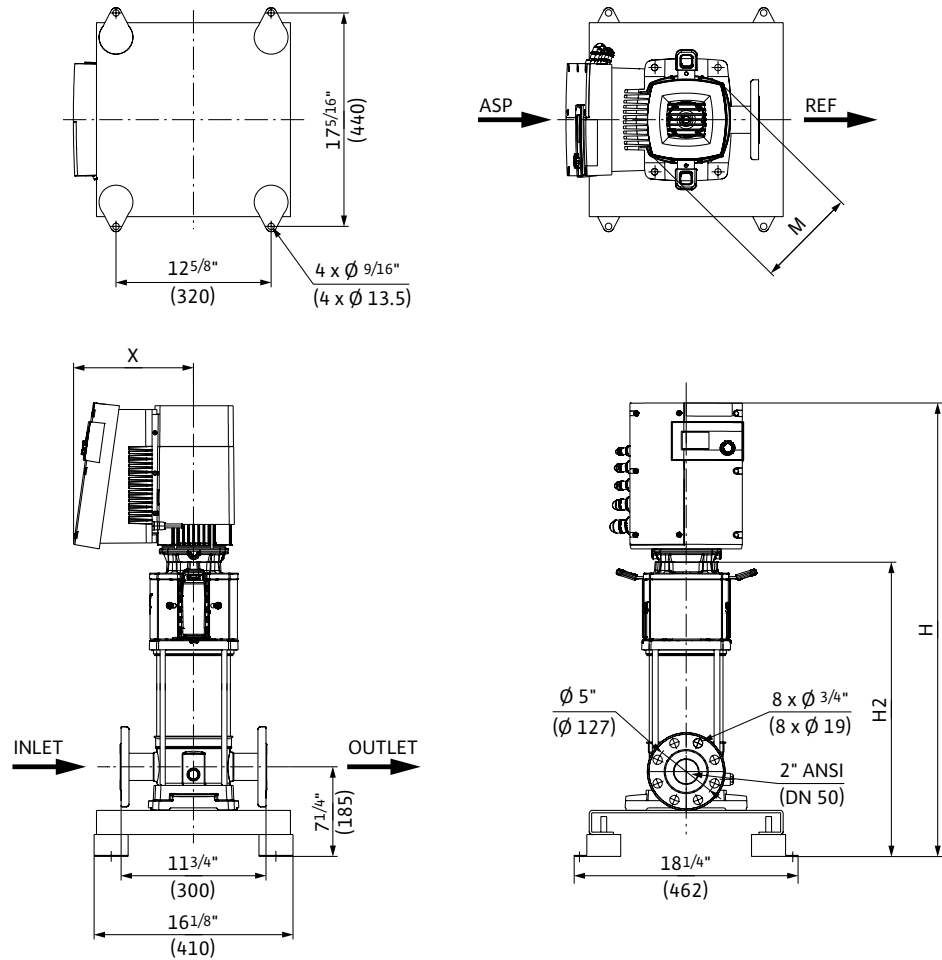
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

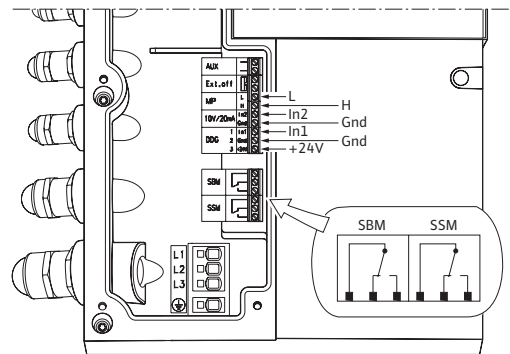


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-04	47 1/8	31	8 3/4	10 9/16	156.5
	(1197)	(787)	(223)	(268)	(71)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-04	5.7	3	460 (±10%)	6.5	95.8



Submittal Data Sheet

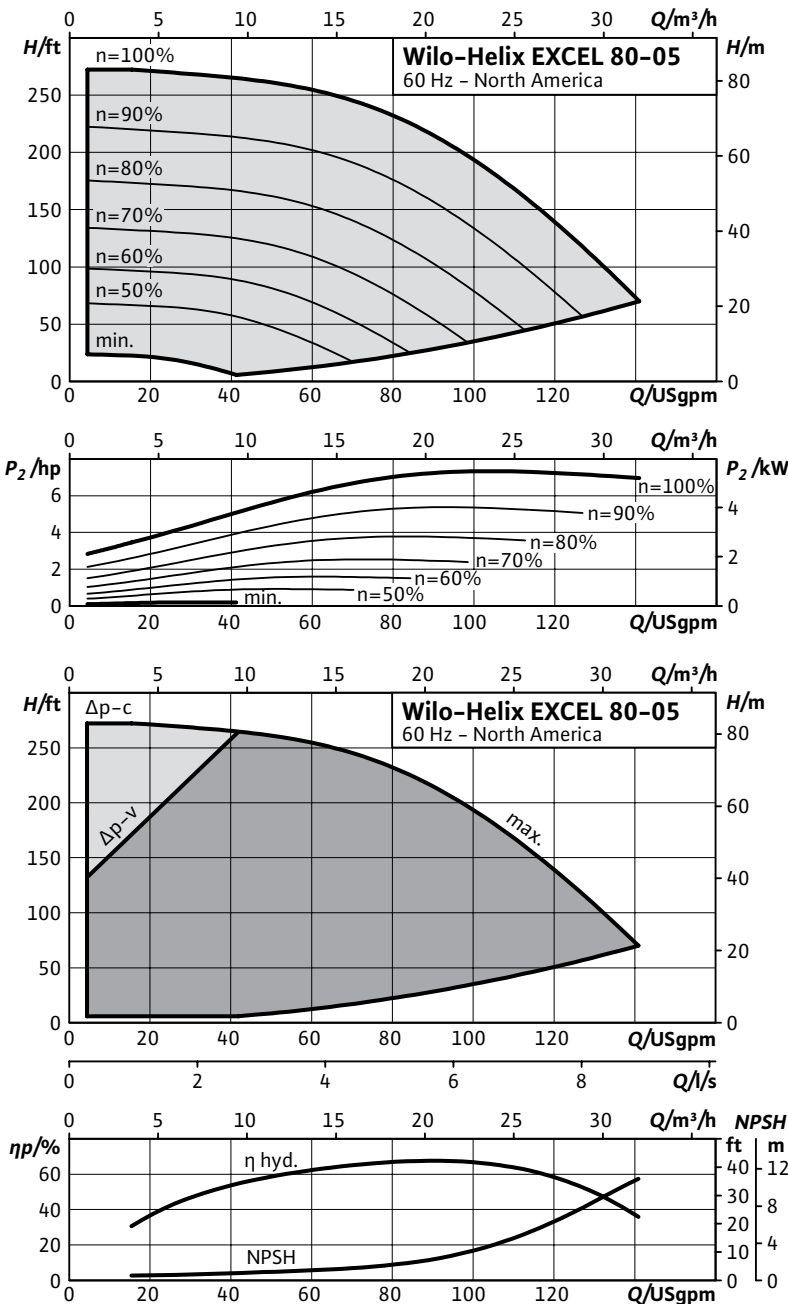
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-05					7.4	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.49
Liquid Temp Range	-22°F to 284°F (-30°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 Construction

Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

IR Module Selection

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

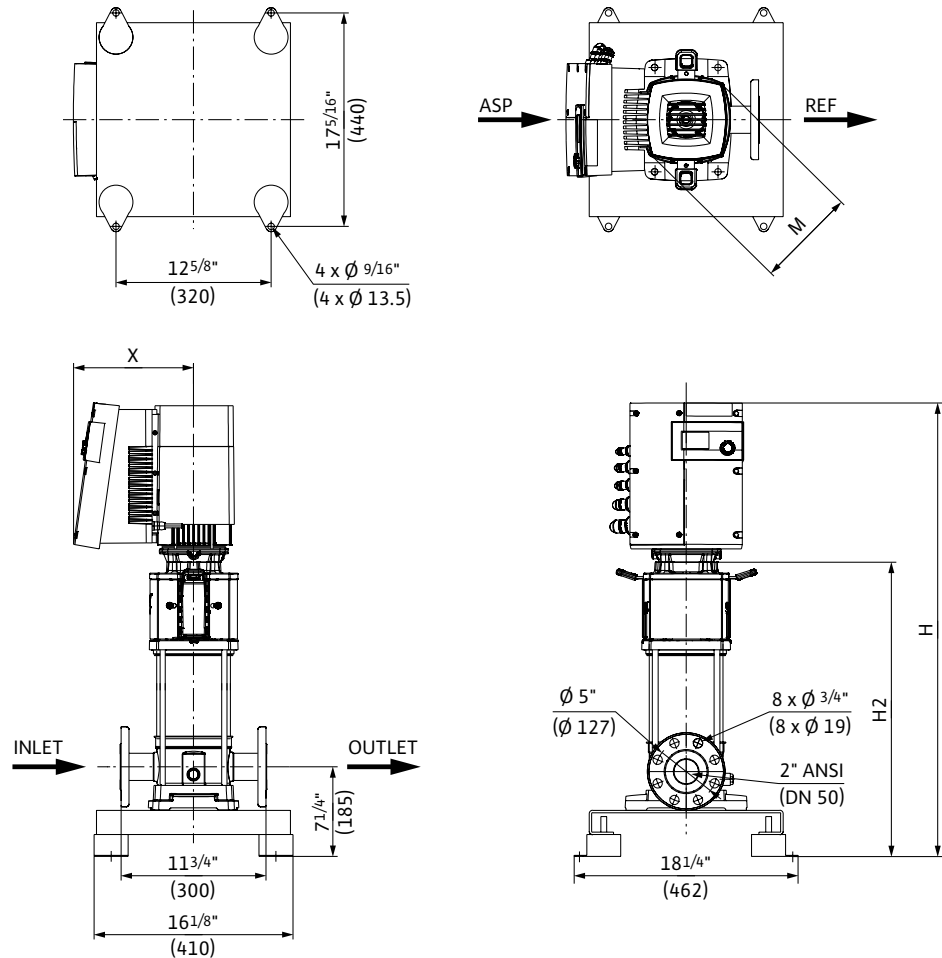
Applications

Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

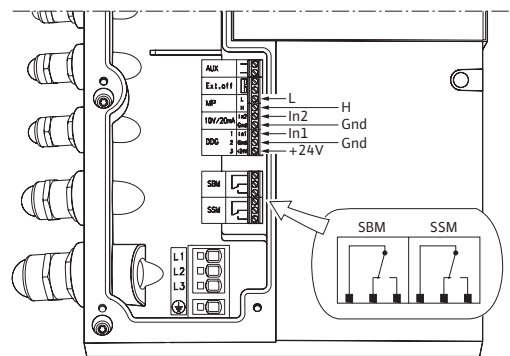


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-05	49 1/8	32 15/16	8 3/4	10 9/16	187.4
	(1247)	(837)	(223)	(268)	(85)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-05	7.4	3	460 (±10%)	8.2	95.8



Submittal Data Sheet

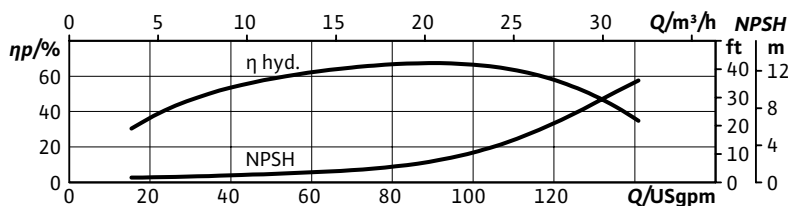
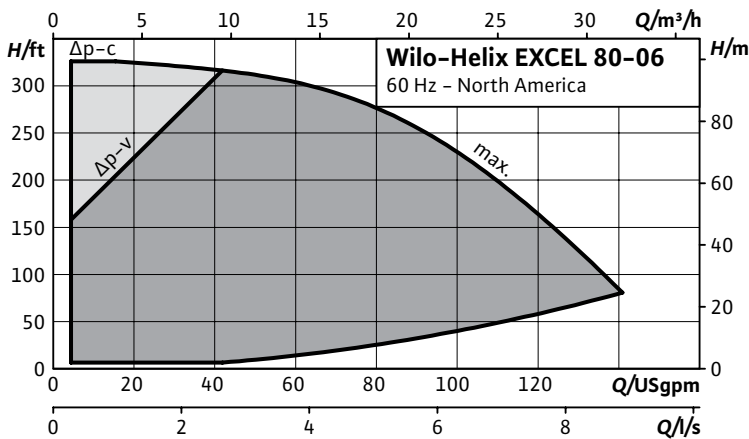
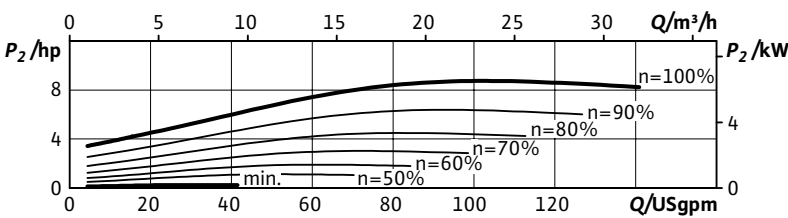
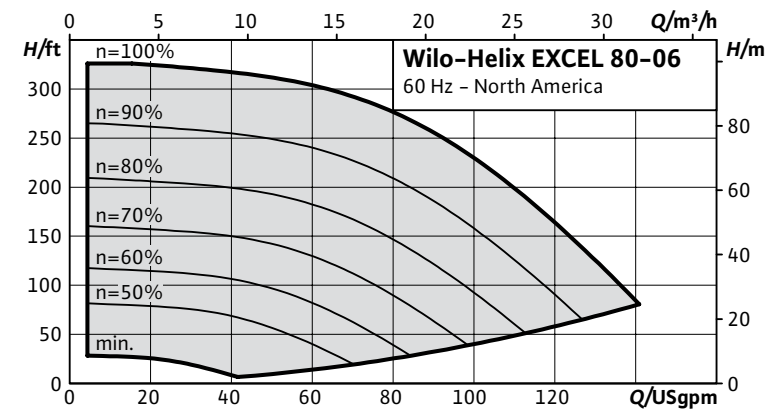
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-06					8.7	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.47
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

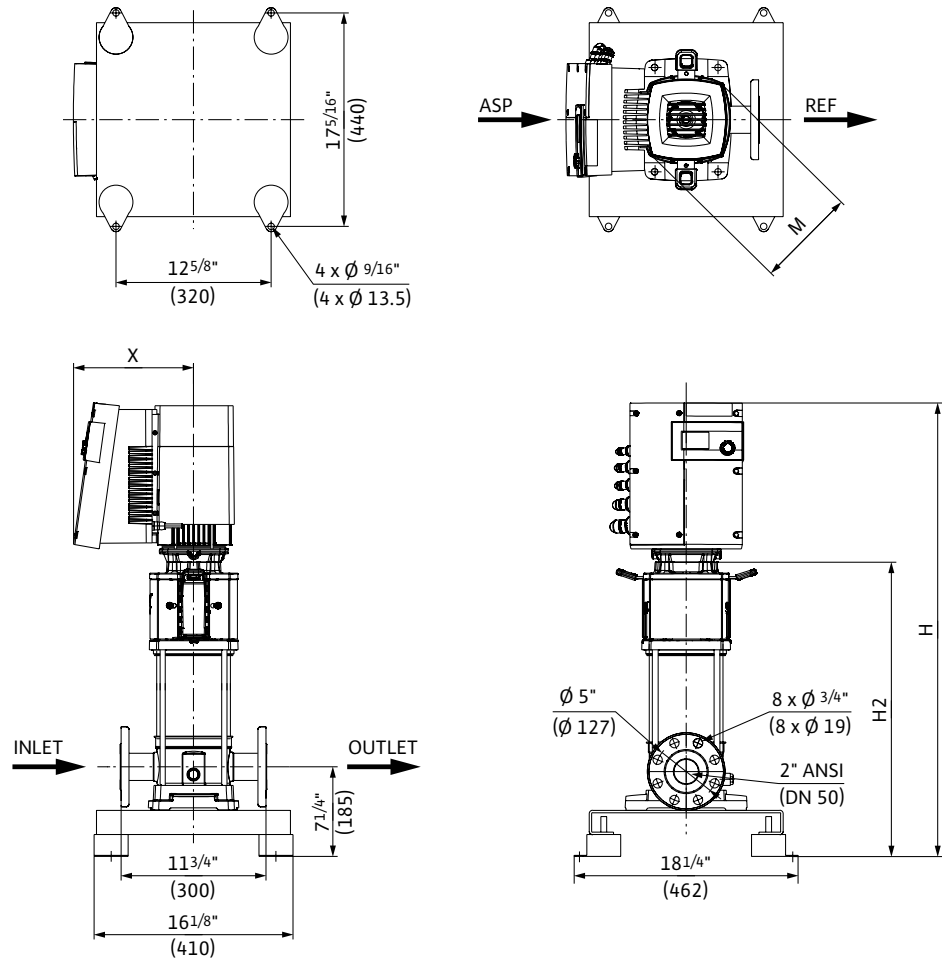
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

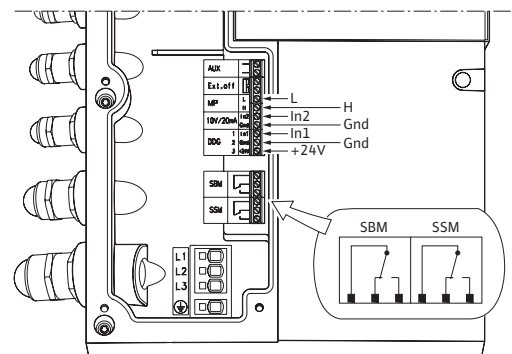


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-06	52	34 ^{15/16}	9 ^{3/4}	11	202.8
	(1320)	(887)	(248)	(280)	(92)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-06	8.7	3	460 (±10%)	9.7	96.5



Submittal Data Sheet

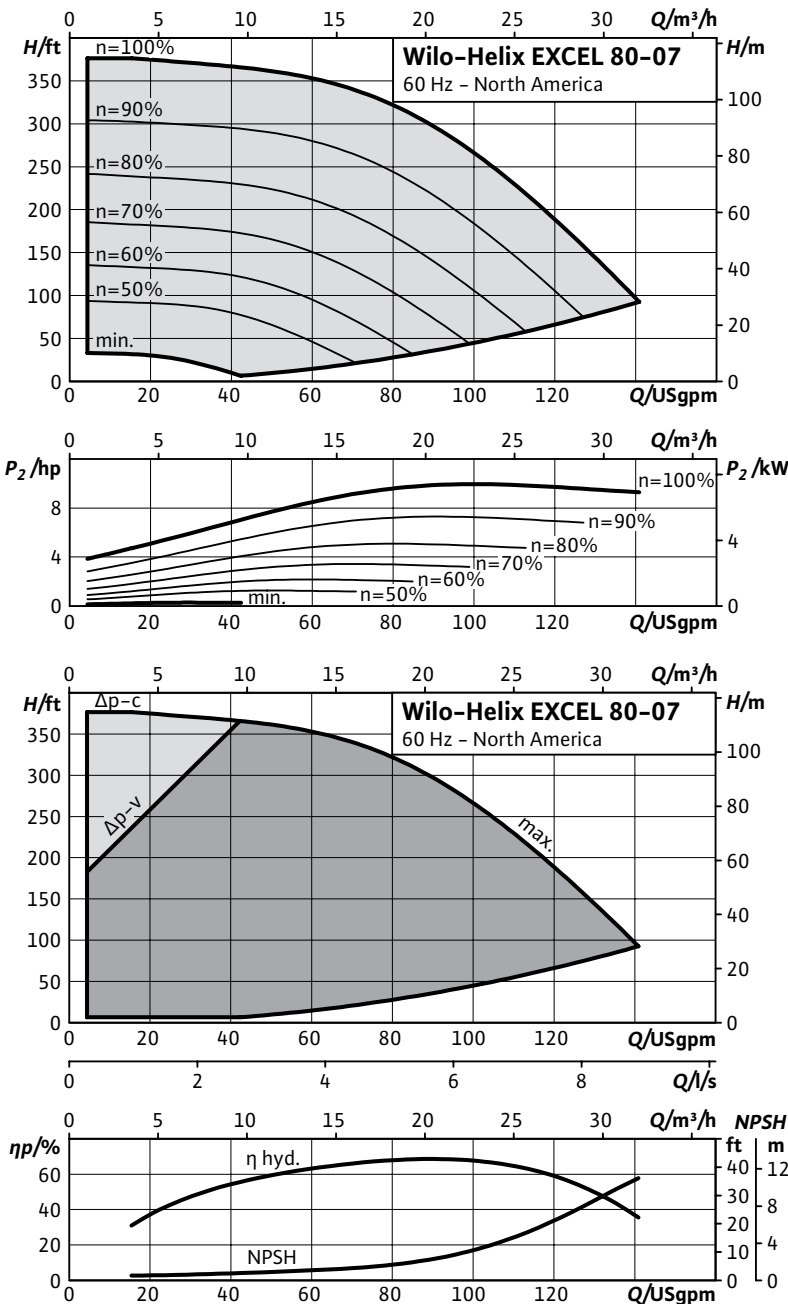
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 80-07					10.1	3	460



Product Info	
Brand	Wilo
Product Description	Helix Excel

Technical Data	
PEI	0.46
Liquid Temp Range	-22°F to 284°F (-30°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 Construction		
Pump Volute	AISI 304L*	AISI 316L
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

*304 pump volutes are NSF 61 certified

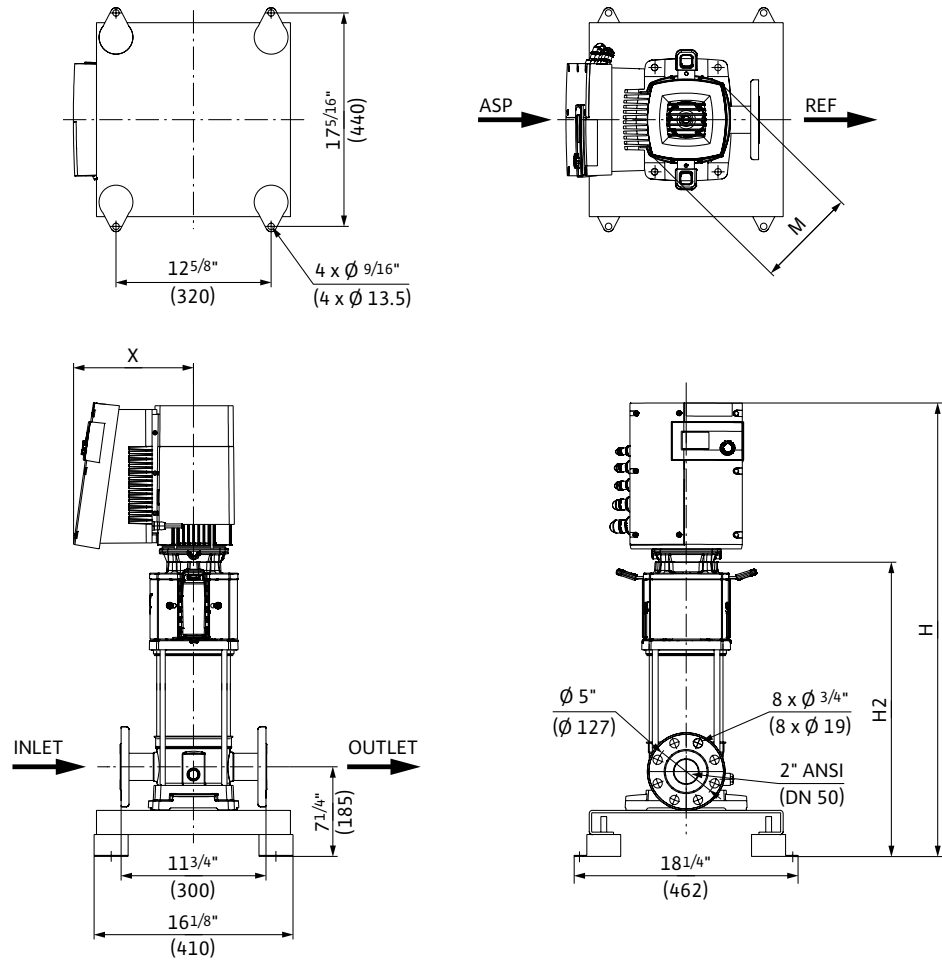
IR Module Selection	
Select	Module
	BACnet / Dual Pump
	LONworks / Dual Pump
	MODBus
	None

Applications	
Water Supply	Pressure Boosting
Boiler Feed	Cooling Systems
Pressure Washing	Irrigation

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

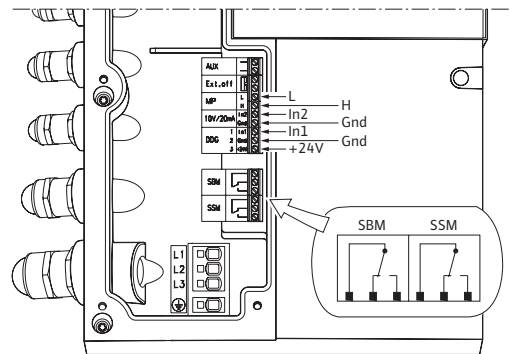


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 80-07	53 ^{15/16}	36 ^{7/8}	9 ^{3/4}	11	205.0
	(1370)	(937)	(248)	(280)	(93)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 80-07	10.1	3	460 (±10%)	10.9	96.4



Submittal Data Sheet

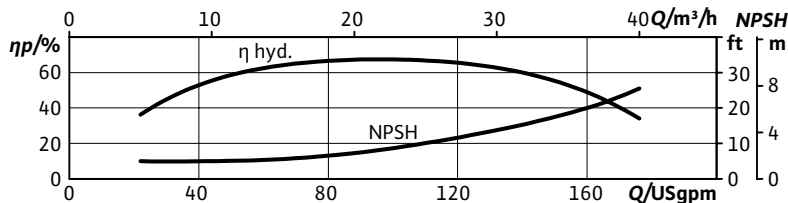
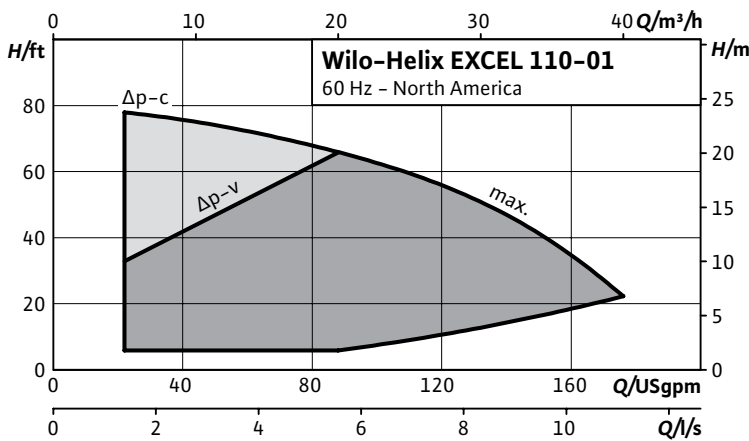
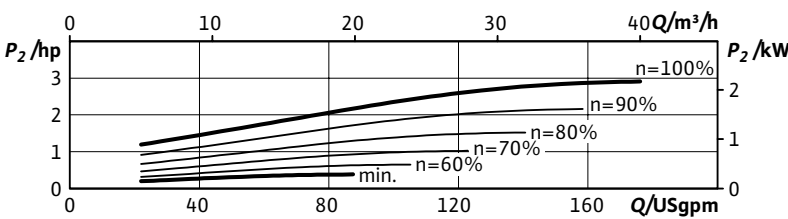
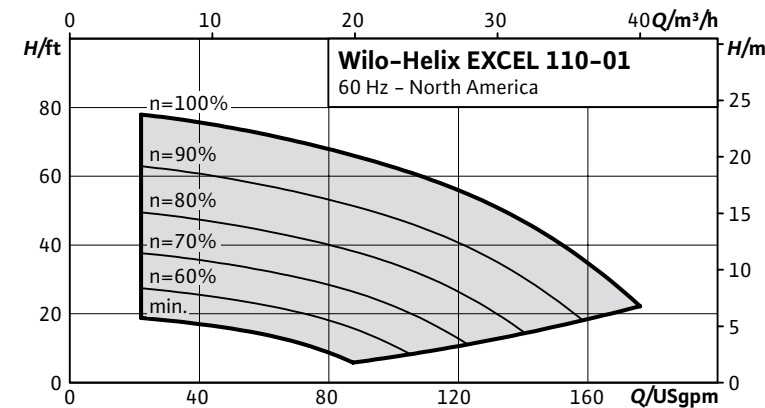
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-01					3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.67
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

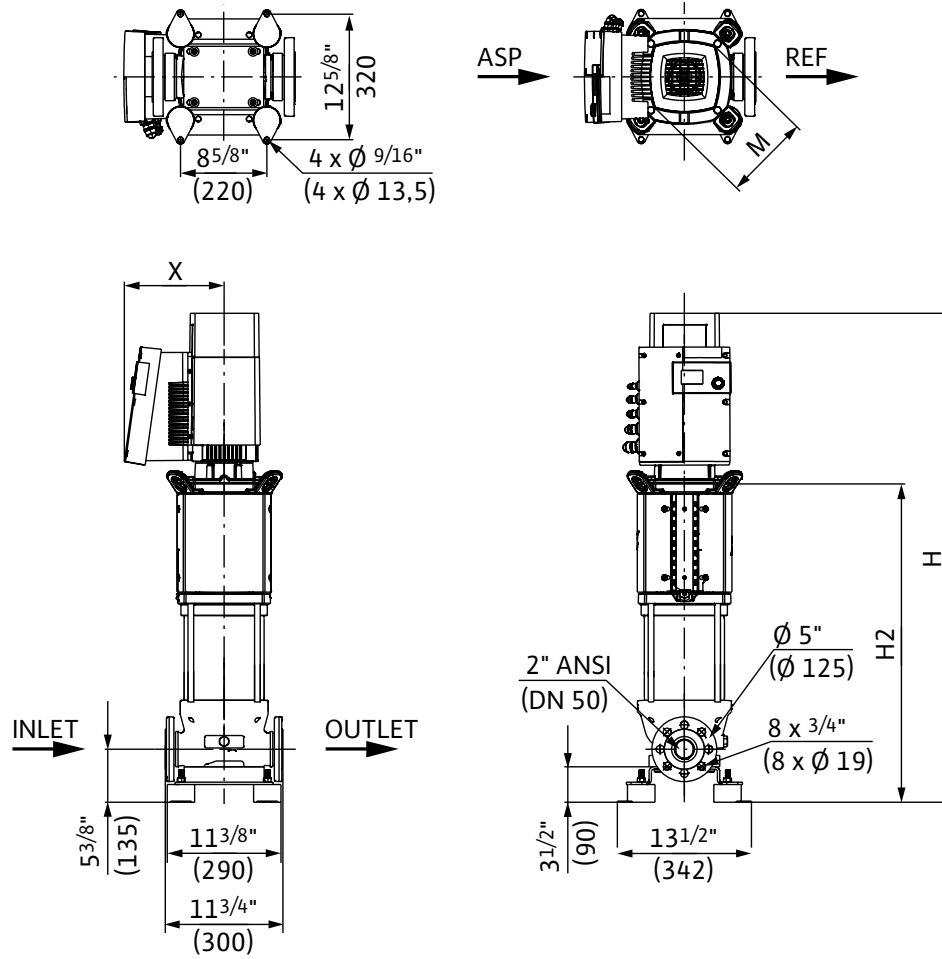
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

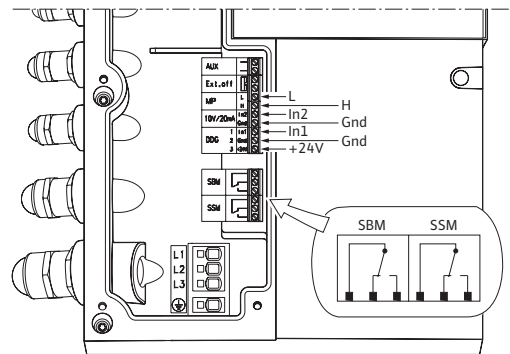


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 110-01	35 15/16	23 1/16	8 3/8	9 3/4	149.9
	(913)	(586)	(206)	(248)	(68)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 110-01	3.0	3	460 (±10%)	4.4	93.0



Submittal Data Sheet

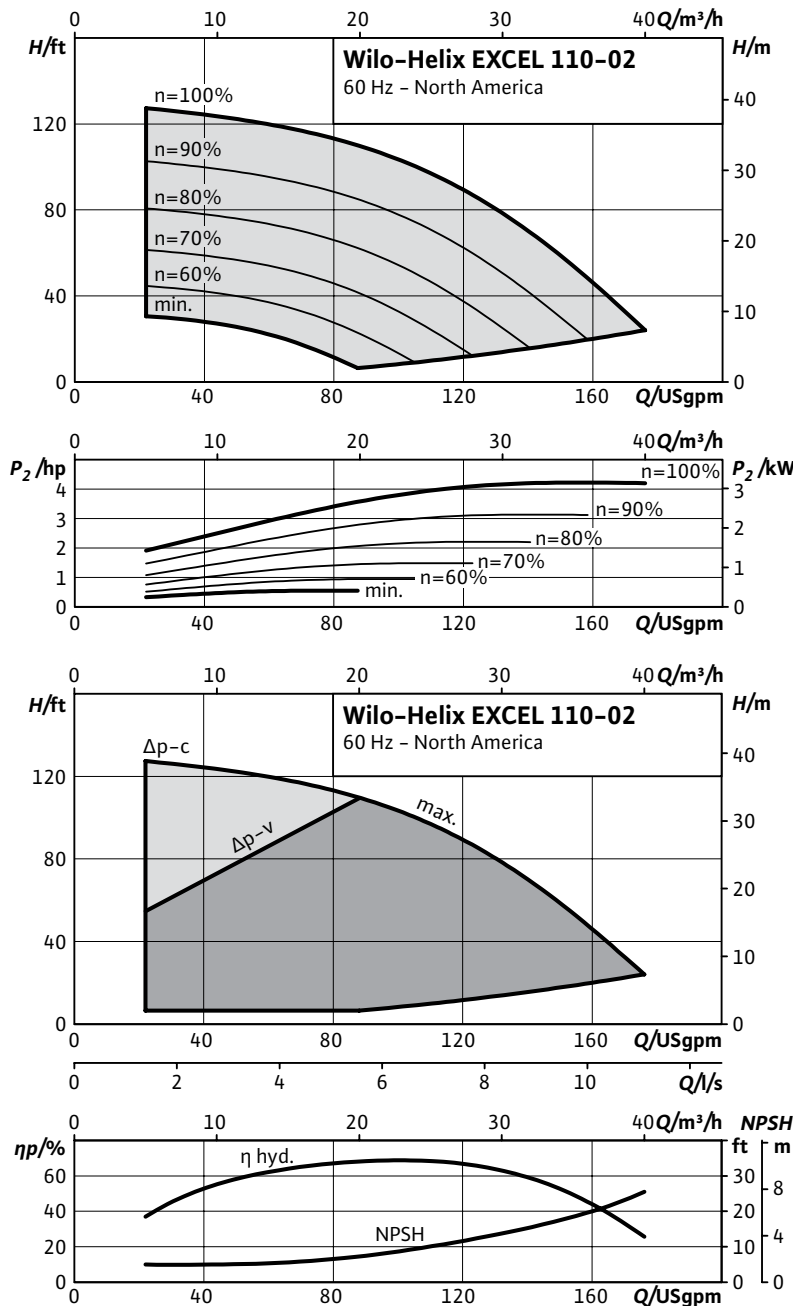
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-02					4.3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.58
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

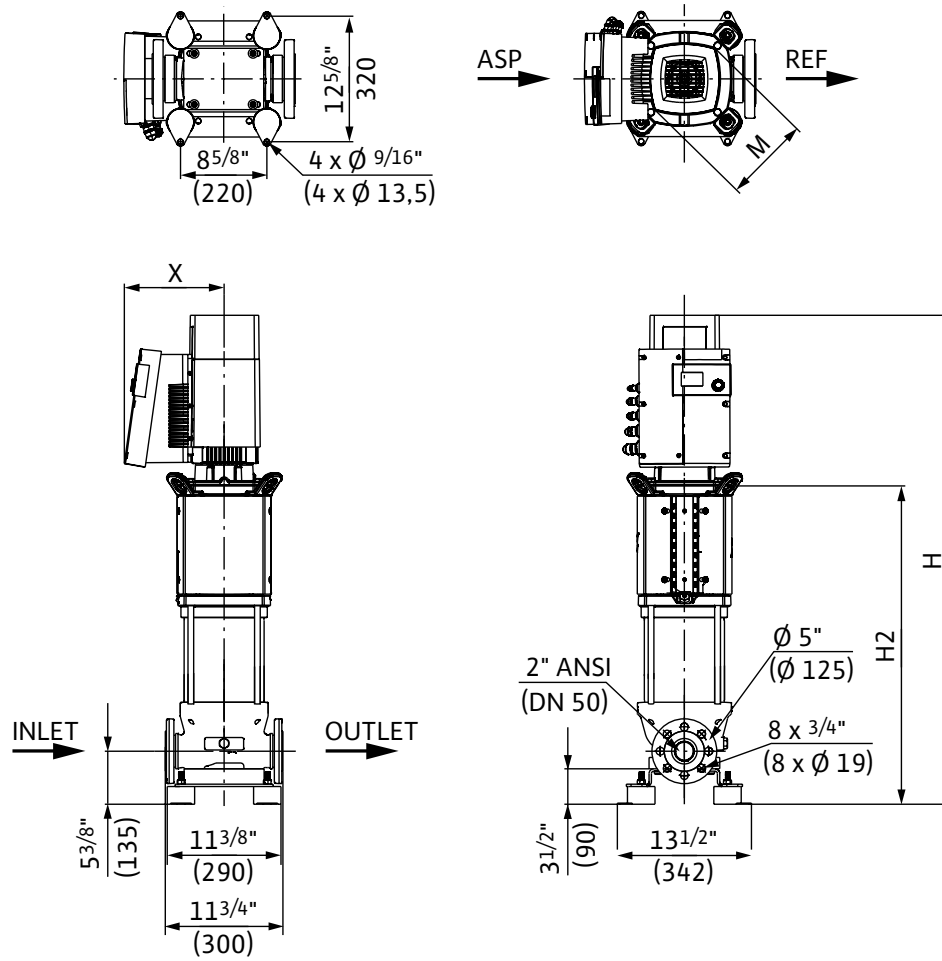
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

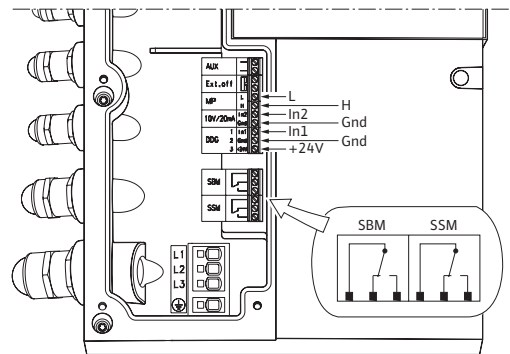


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 110-02	35 15/16	23 1/16	8 3/8	9 3/4	169.8
	(913)	(585)	(206)	(248)	(77)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 110-02	4.3	3	460 (±10%)	6	93.0



Submittal Data Sheet

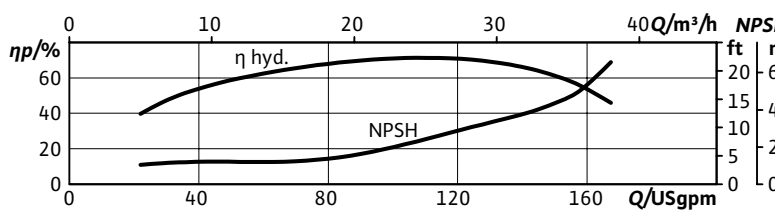
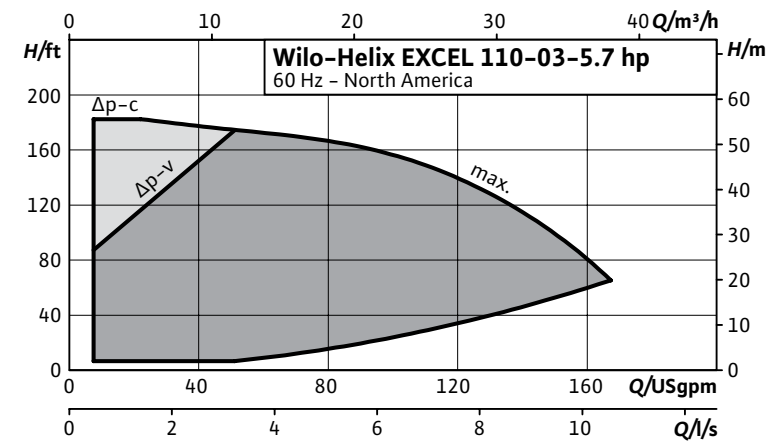
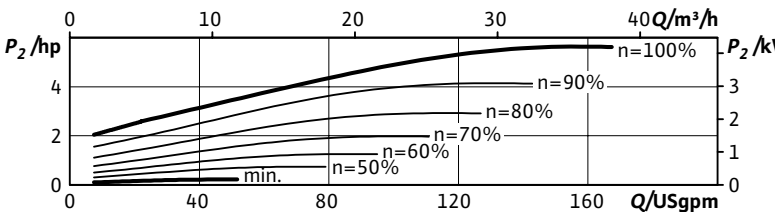
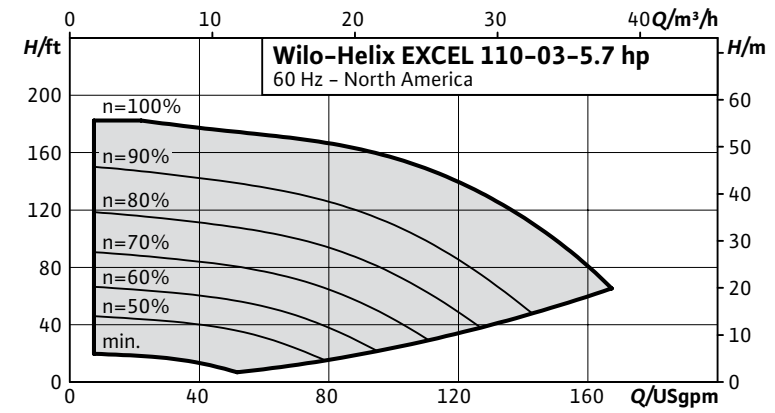
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-03					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.42
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

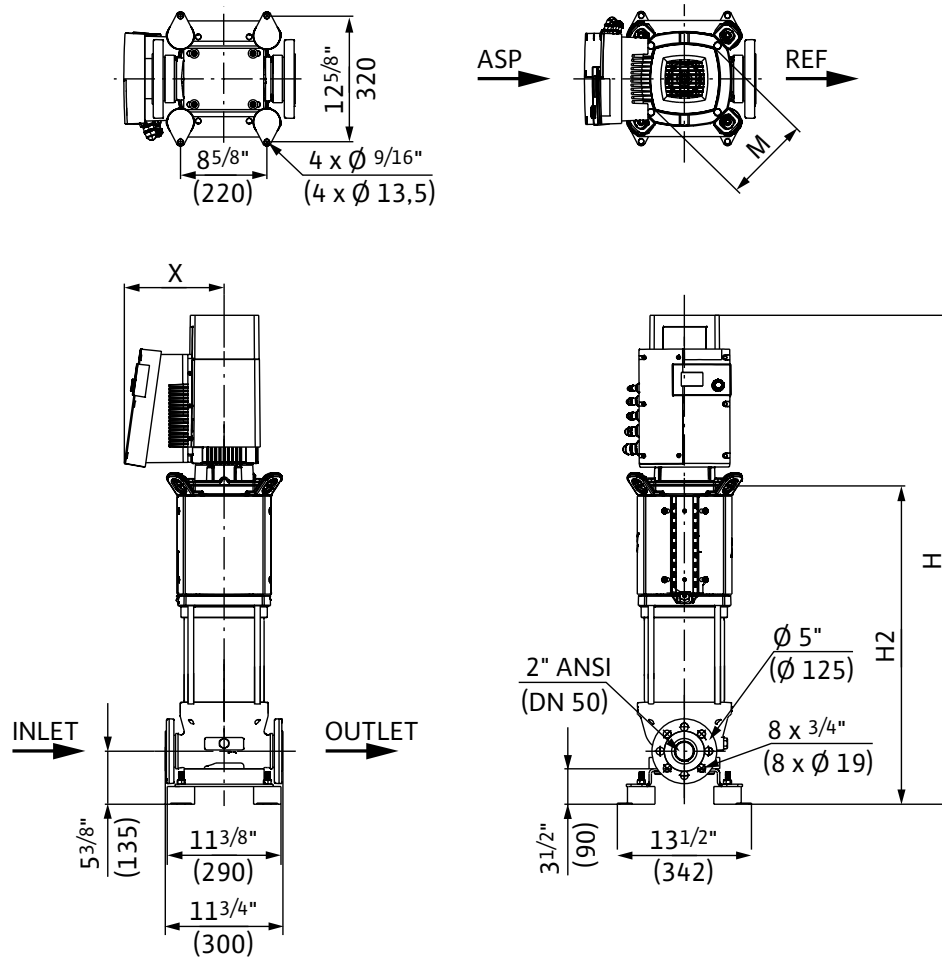
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

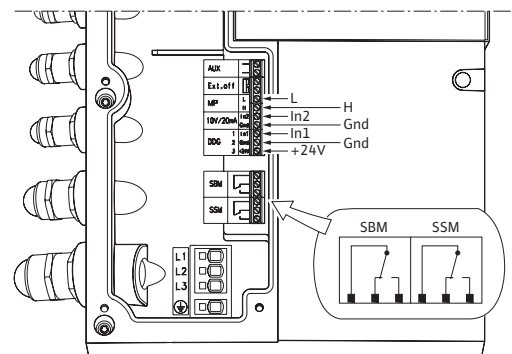


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 110-03-5.7	$46\frac{5}{16}$	$30\frac{3}{16}$	$8\frac{3}{4}$	$10\frac{9}{16}$	185.2
	(1176)	(766)	(223)	(268)	(84)

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 110-03-5.7	5.7	3	460 ($\pm 10\%$)	6.5	95.8



Submittal Data Sheet

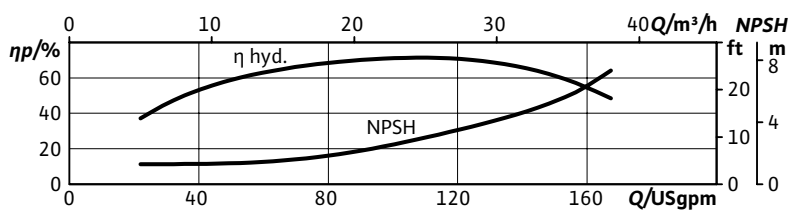
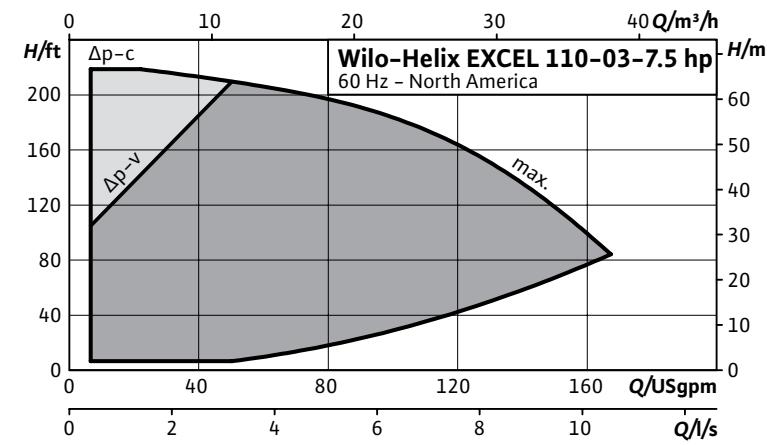
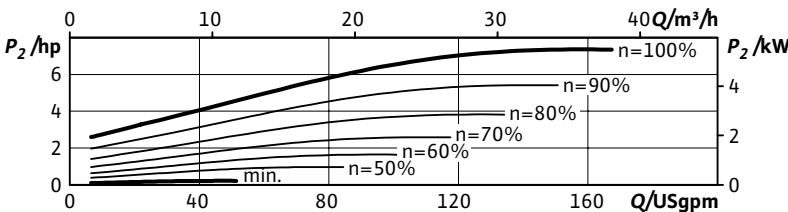
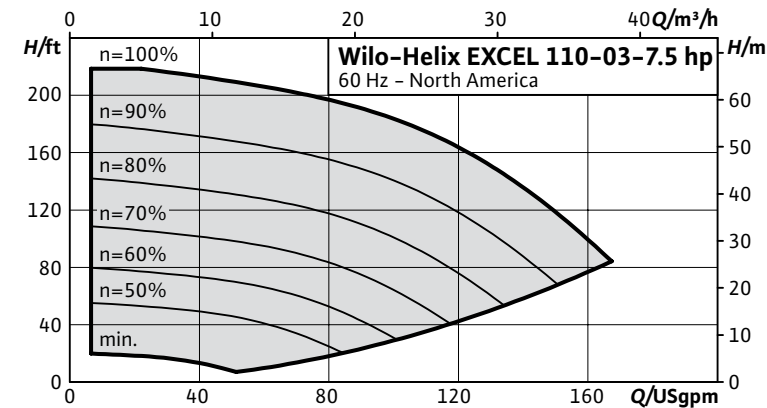
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-03					7.5	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.46
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

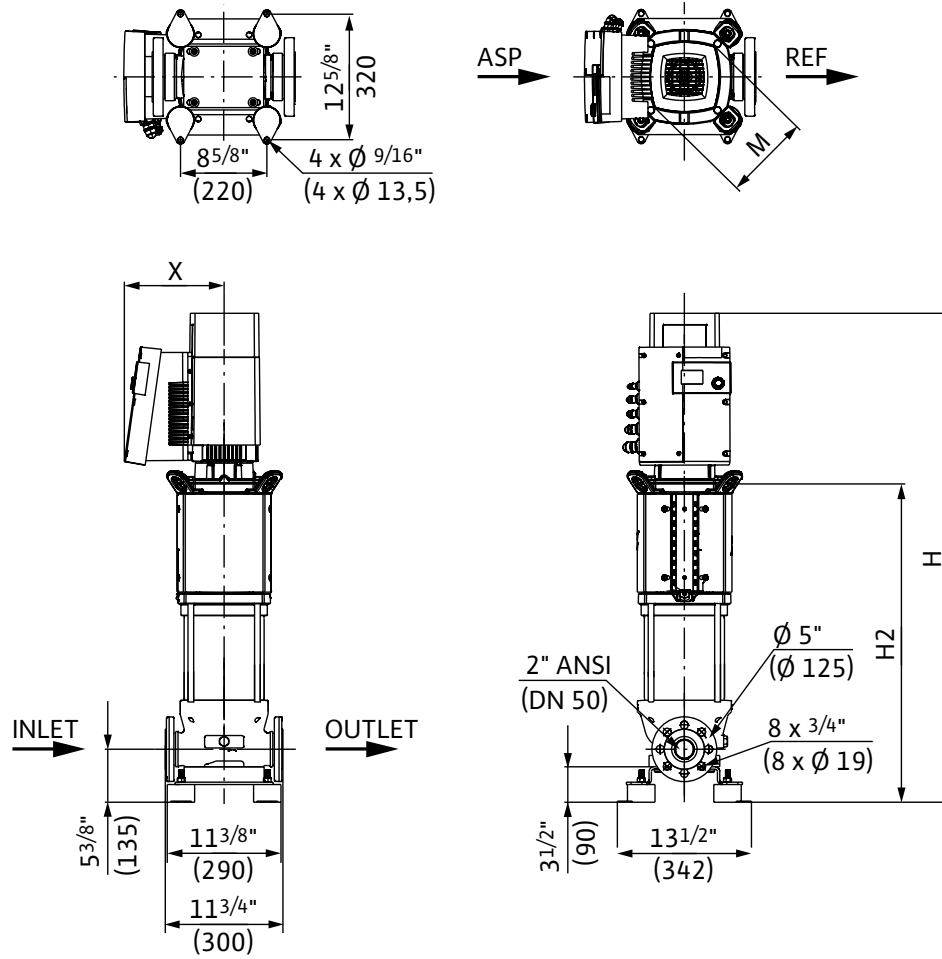
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

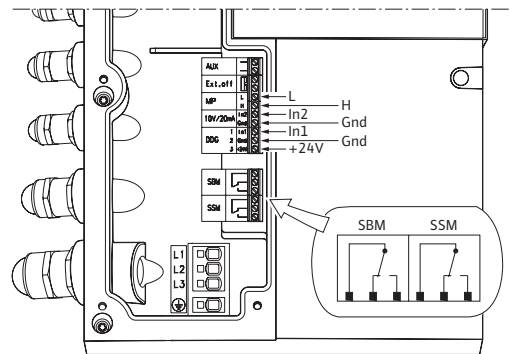


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 110-03-7.5	46 5/16	30 3/16	8 3/4	10 9/16	213.8
	(1176)	(766)	(223)	(268)	(97)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 110-03-7.5	7.5	3	460 (±10%)	8.2	95.8



Submittal Data Sheet

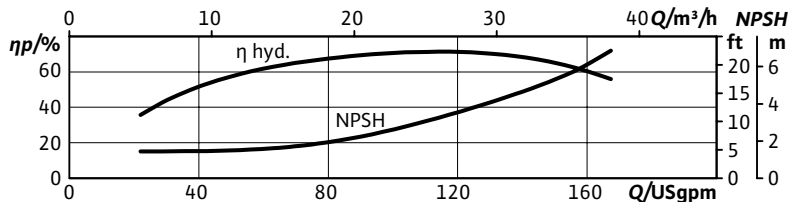
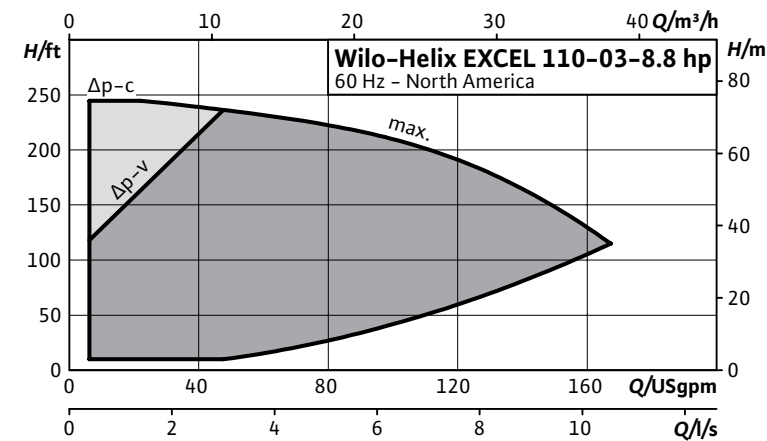
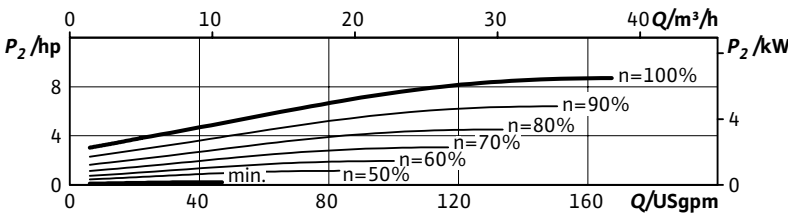
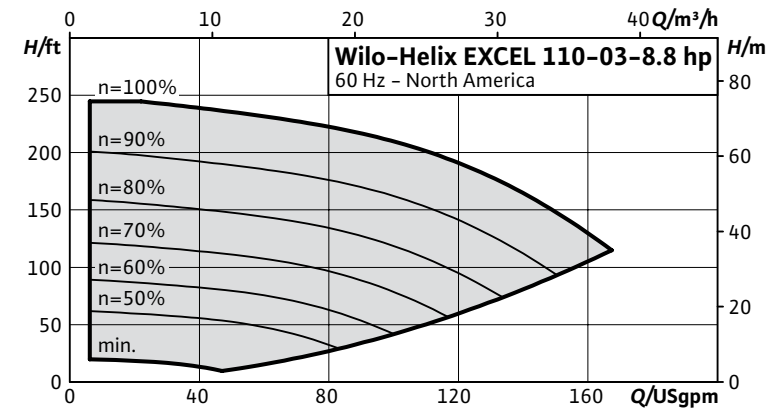
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-03					8.8	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.46
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	AISI 304L	AISI 316L
Stage Housings		
Diffusers		
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

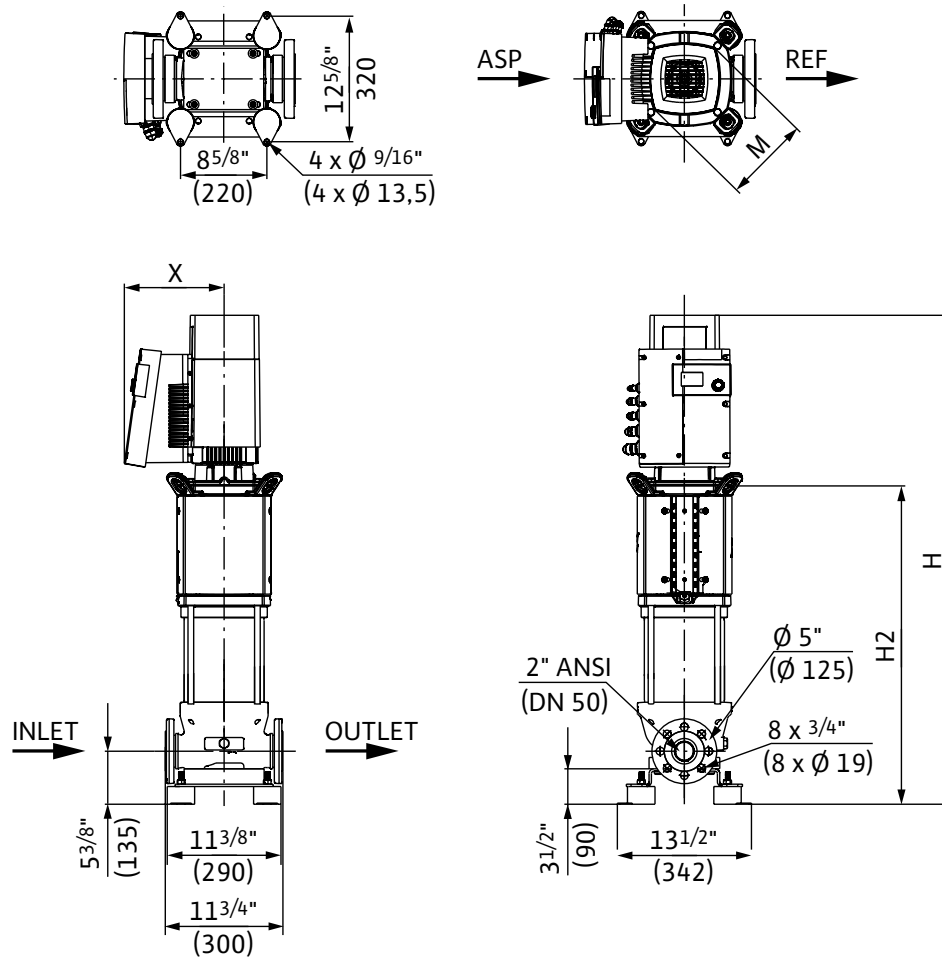
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

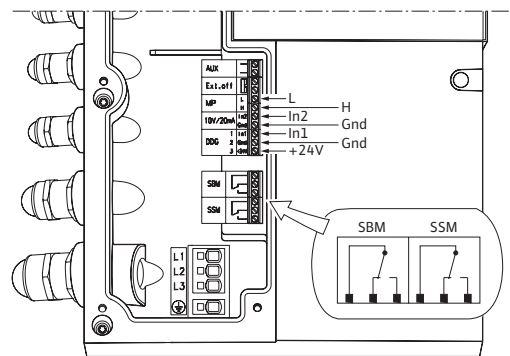


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ϕM	X	
Helix EXCEL 110-03-8.8	$47\frac{1}{16}$	30	$9\frac{3}{4}$	11	220.5
	(1195)	(762)	(248)	(280)	(100)

EC Motor Data (Single Motor Operation)

Model	P_2 Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η_m 100%
Helix EXCEL 110-03-8.8	8.8	3	460 ($\pm 10\%$)	9.7	96.5



Submittal Data Sheet

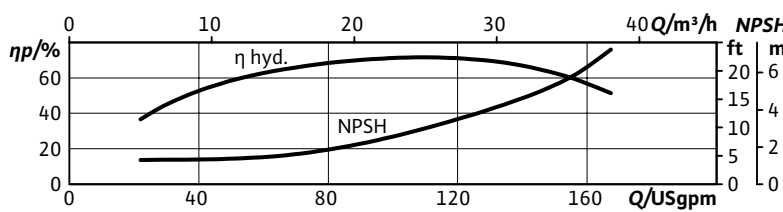
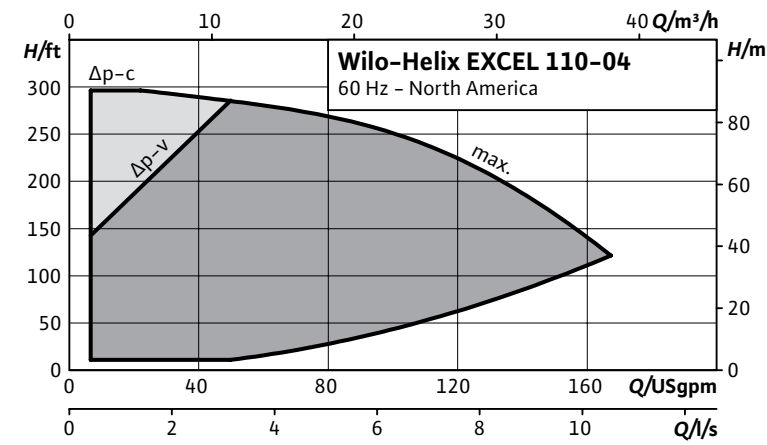
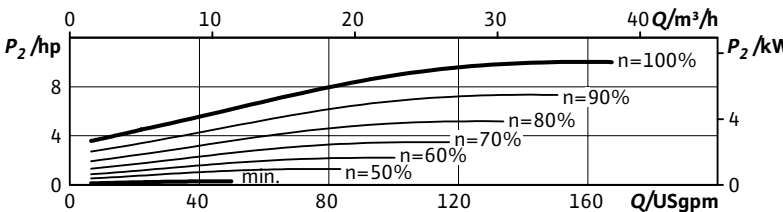
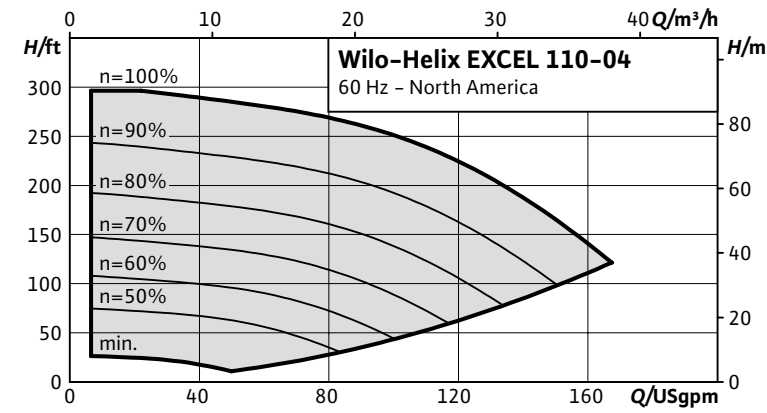
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 110-04					10.1	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.44
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

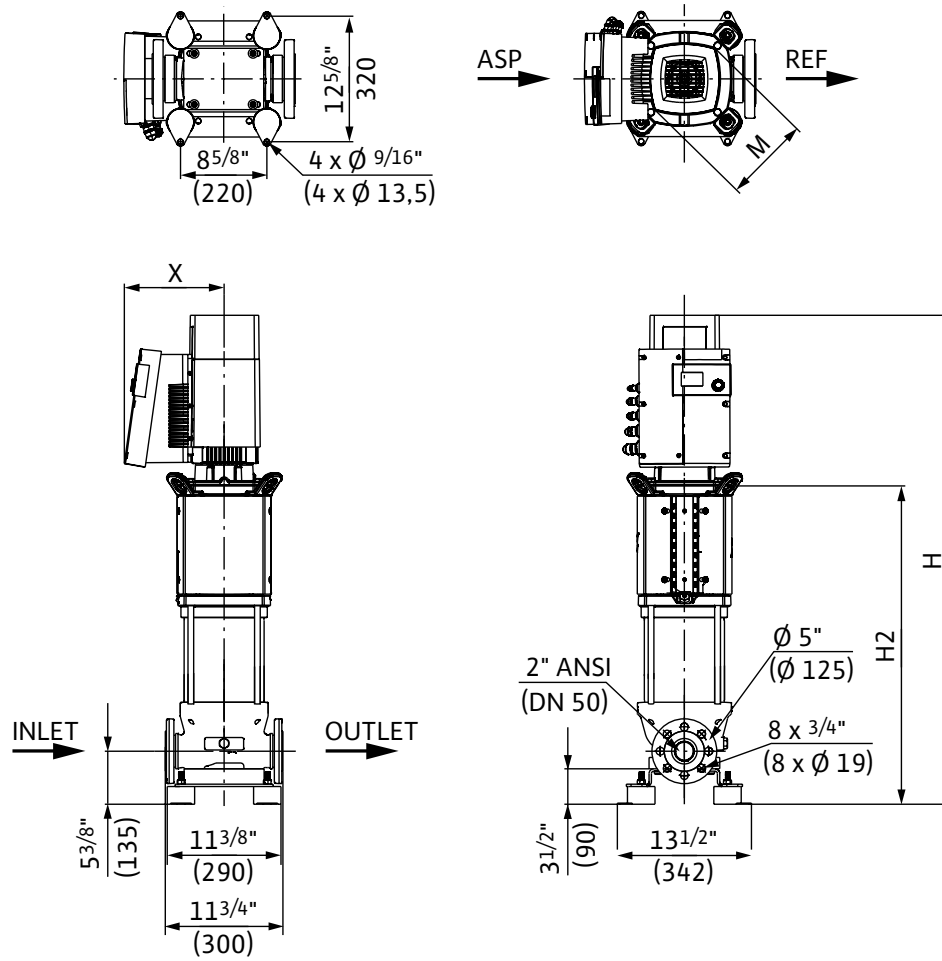
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

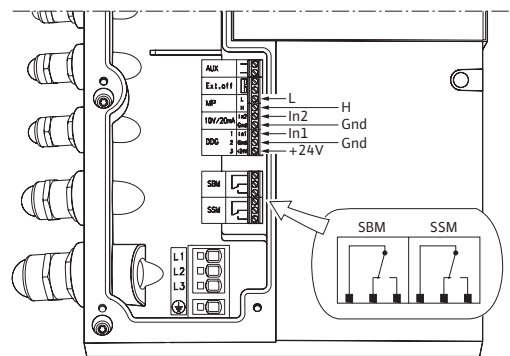


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 110-04	49	31 ^{15/16}	9 ^{3/4}	11	229.3
	(1245)	(812)	(248)	(280)	(104)

EC Motor Data (Single Motor Operation)






Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 110-04	10.1	3	460 (±10%)	10.9	96.4

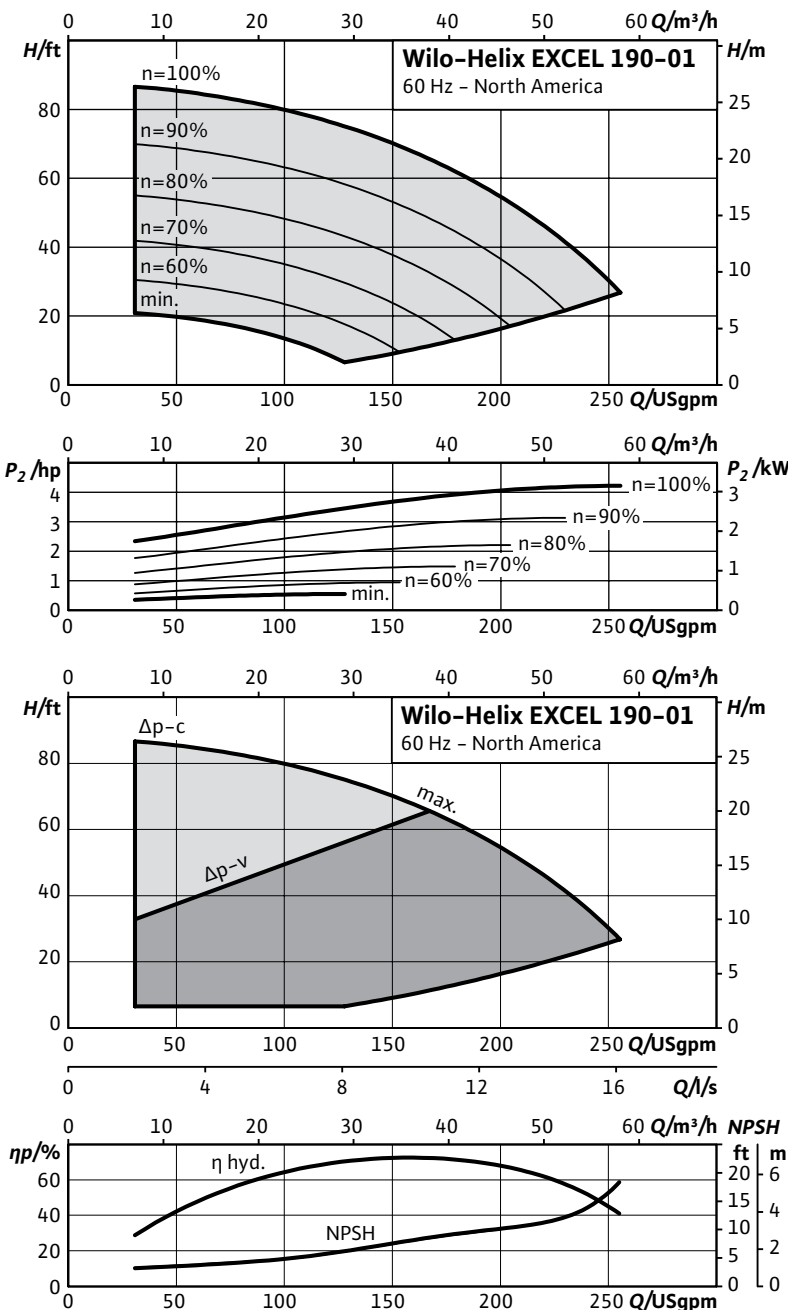


Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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	Engineer:							
	Contractor:							
	Submitted By:				Date:			
	Approved By:				Date:			
Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 190-01					4.3	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.54
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

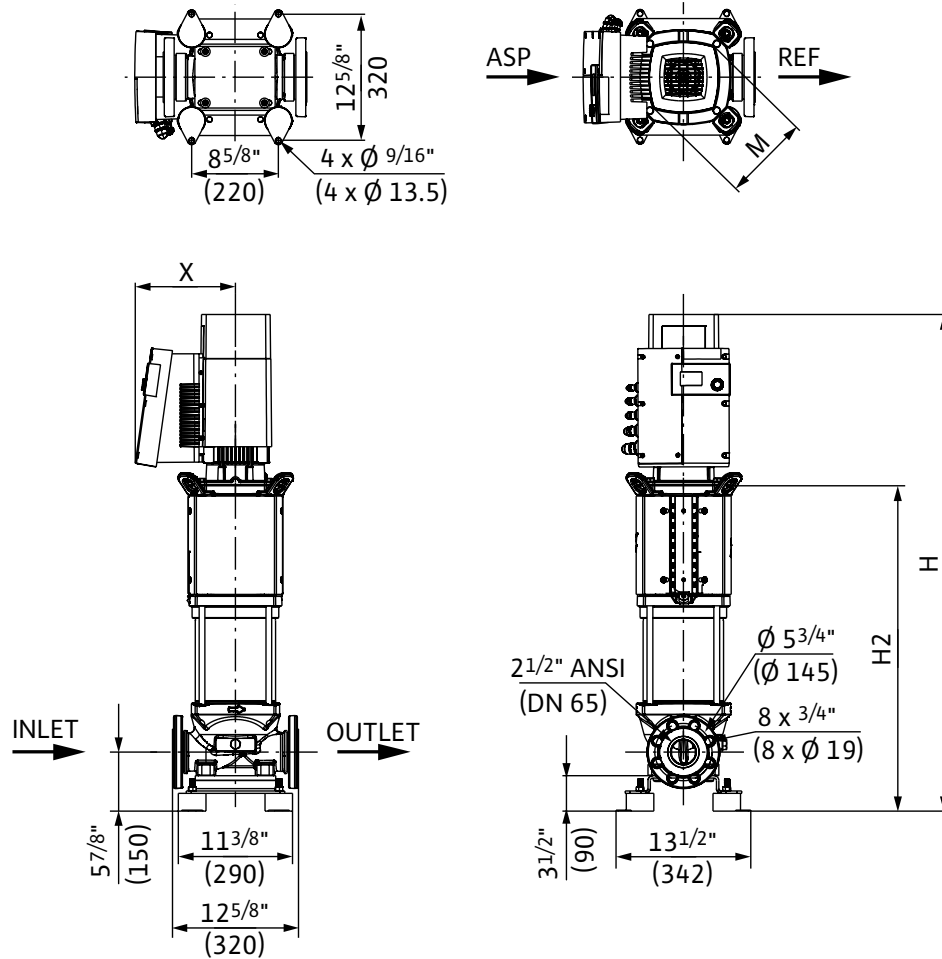
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

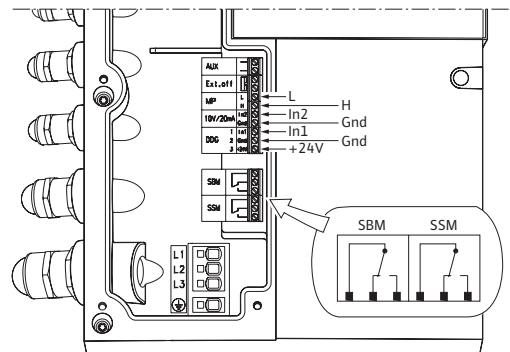


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 190-01	35 1/4	22 5/16	8 3/8	9 3/4	167.5
	(895)	(567)	(206)	(248)	(76)

EC Motor Data (Single Motor Operation)


Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 190-01	4.3	3	460 (±10%)	6	93.0



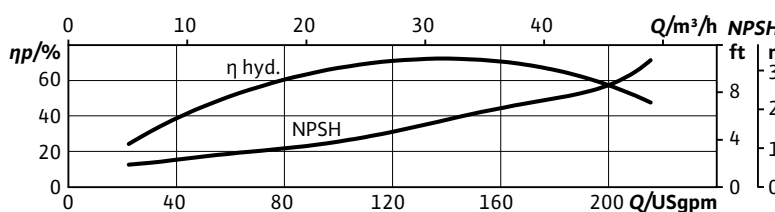
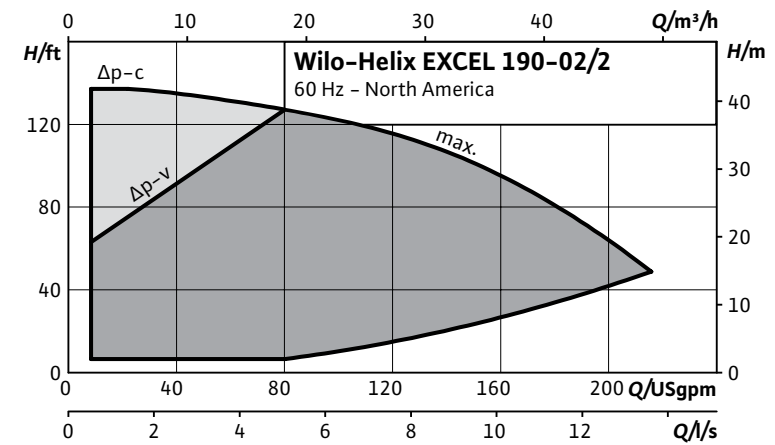
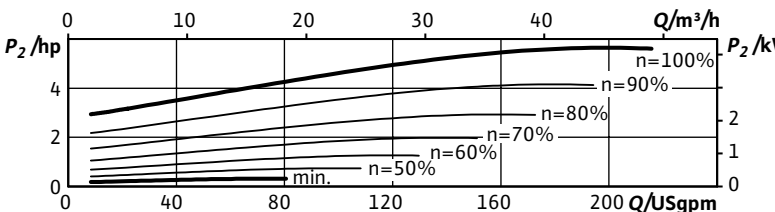
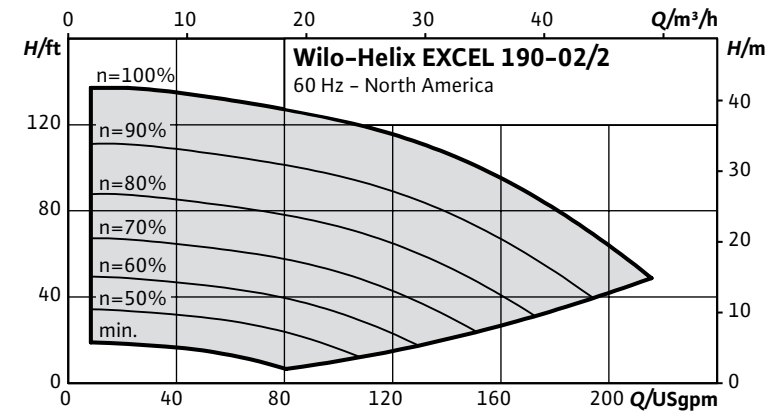
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 190-02/2					5.7	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.46
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

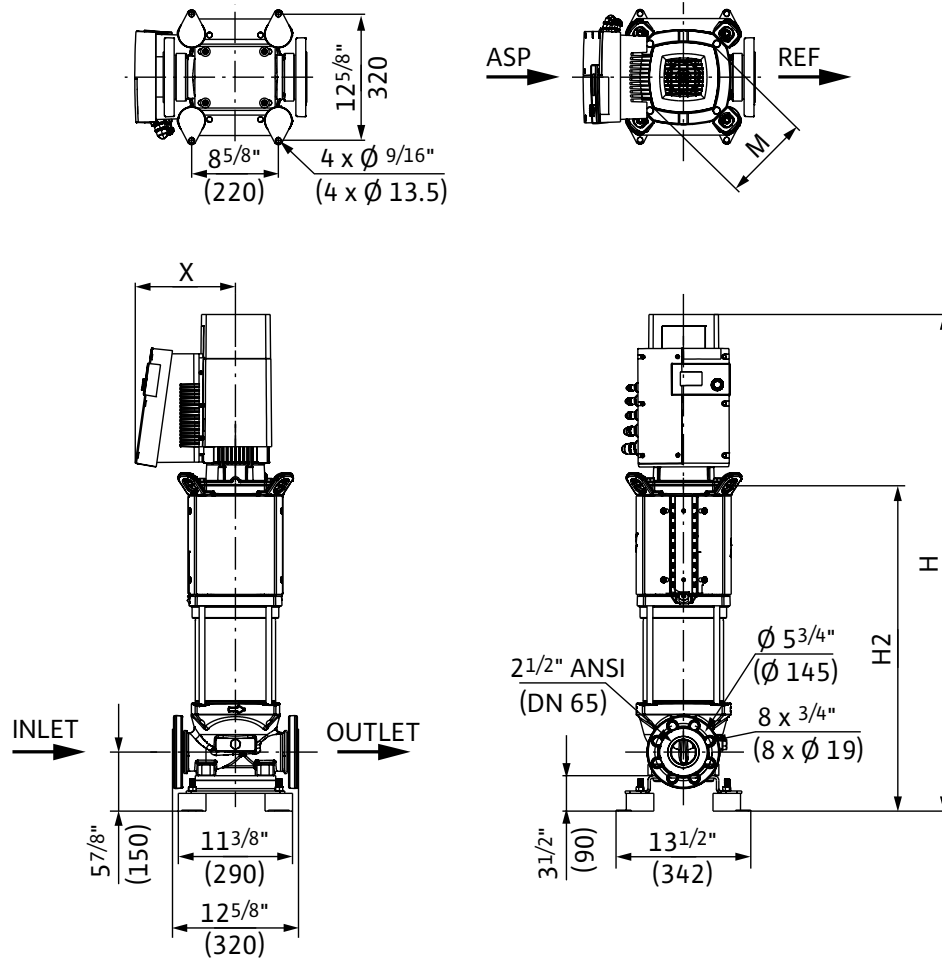
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

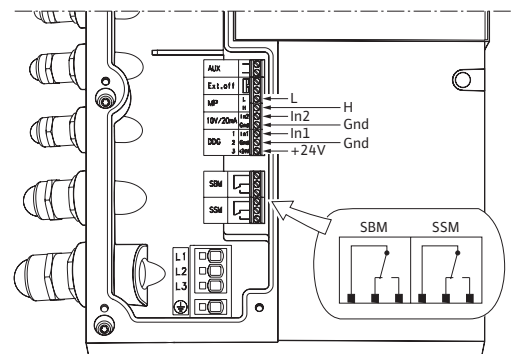


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 190-02/2	46 1/4	30 1/16	8 3/4	10 9/16	185
	(1174)	(764)	(223)	(268)	(84)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 190-02/2	5.7	3	460 (±10%)	6.5	95.8



Submittal Data Sheet

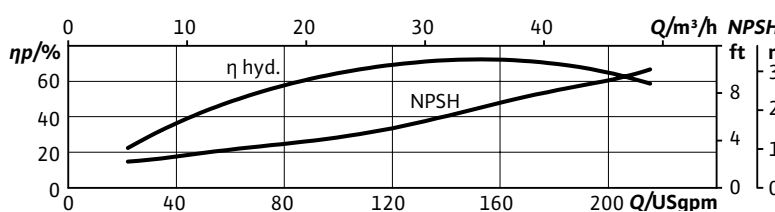
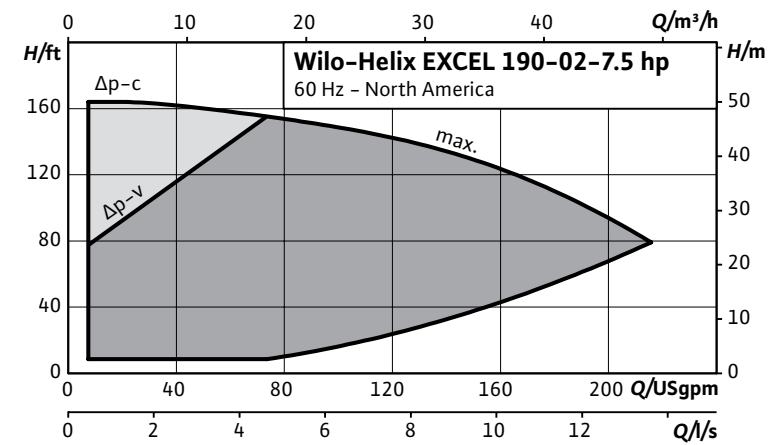
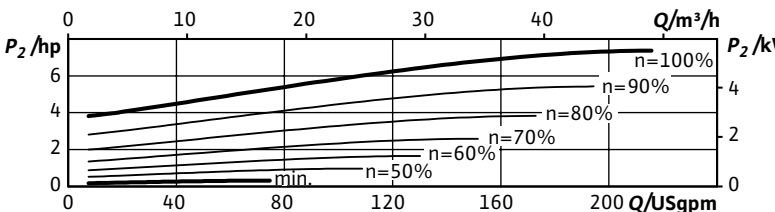
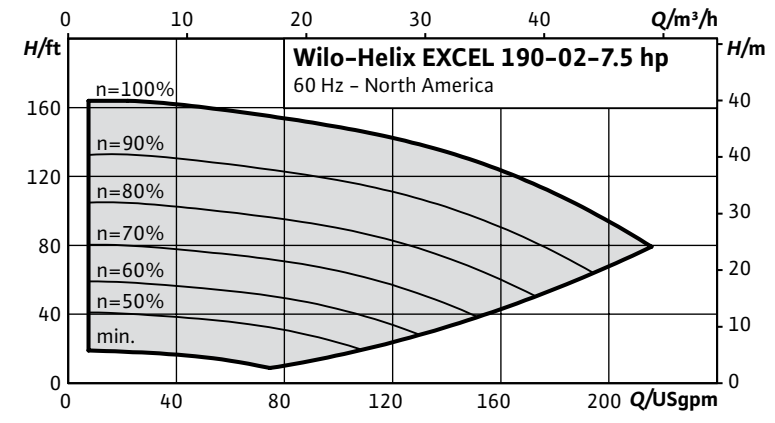
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 190-02					7.5	3	460



Product Info

Brand	Wilo
Product Description	Helix Excel

Technical Data

PEI	0.46
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

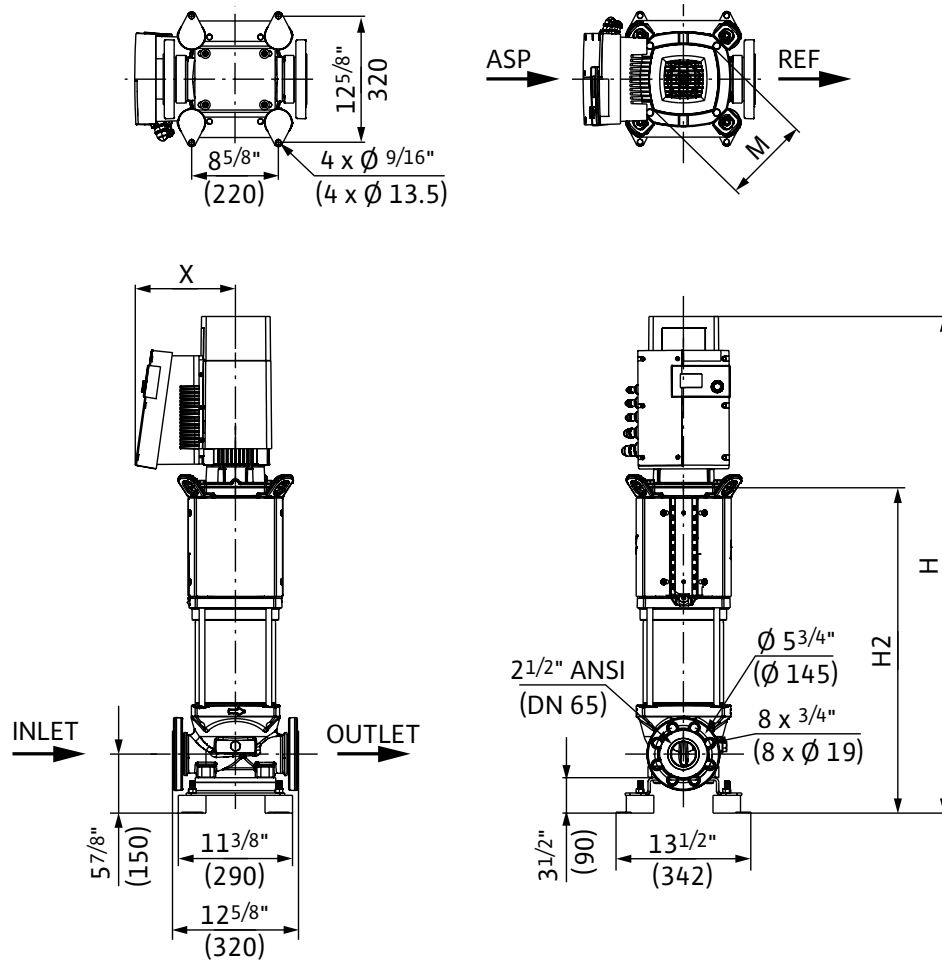
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

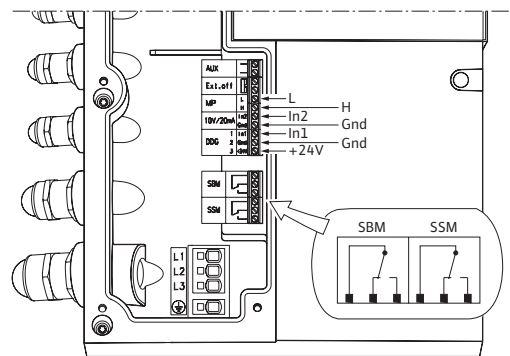


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 190-02-7.5	46 1/4	30 1/16	8 3/4	10 9/16	218.3
	(1174)	(764)	(223)	(268)	(99)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 190-02-7.5	7.5	3	460 (±10%)	8.2	95.8



Submittal Data Sheet

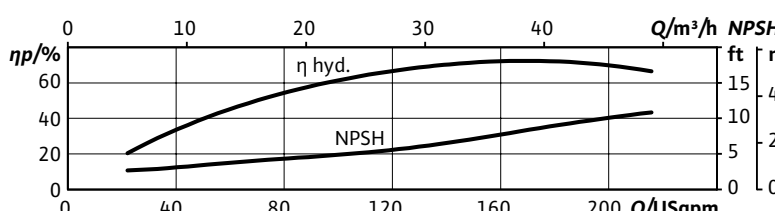
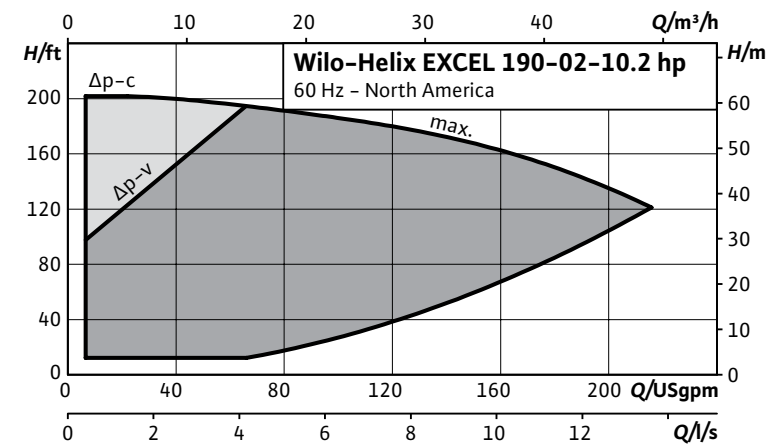
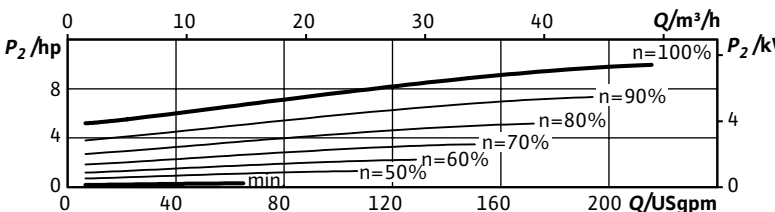
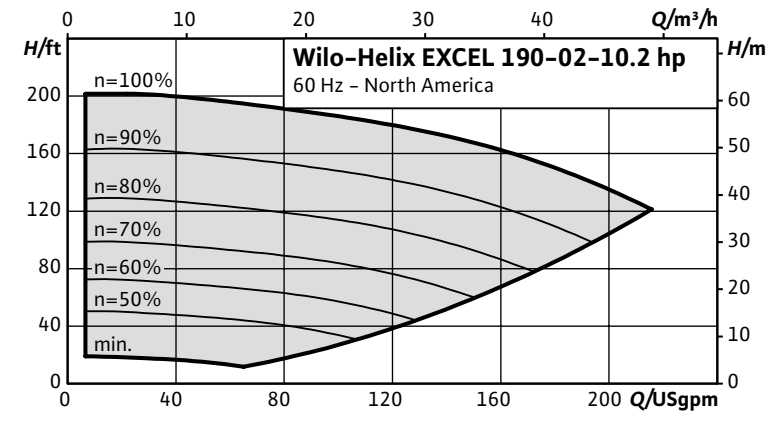
Multistage Pumps

Wilo-Helix EXCEL



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

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix EXCEL 190-02					10.2	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

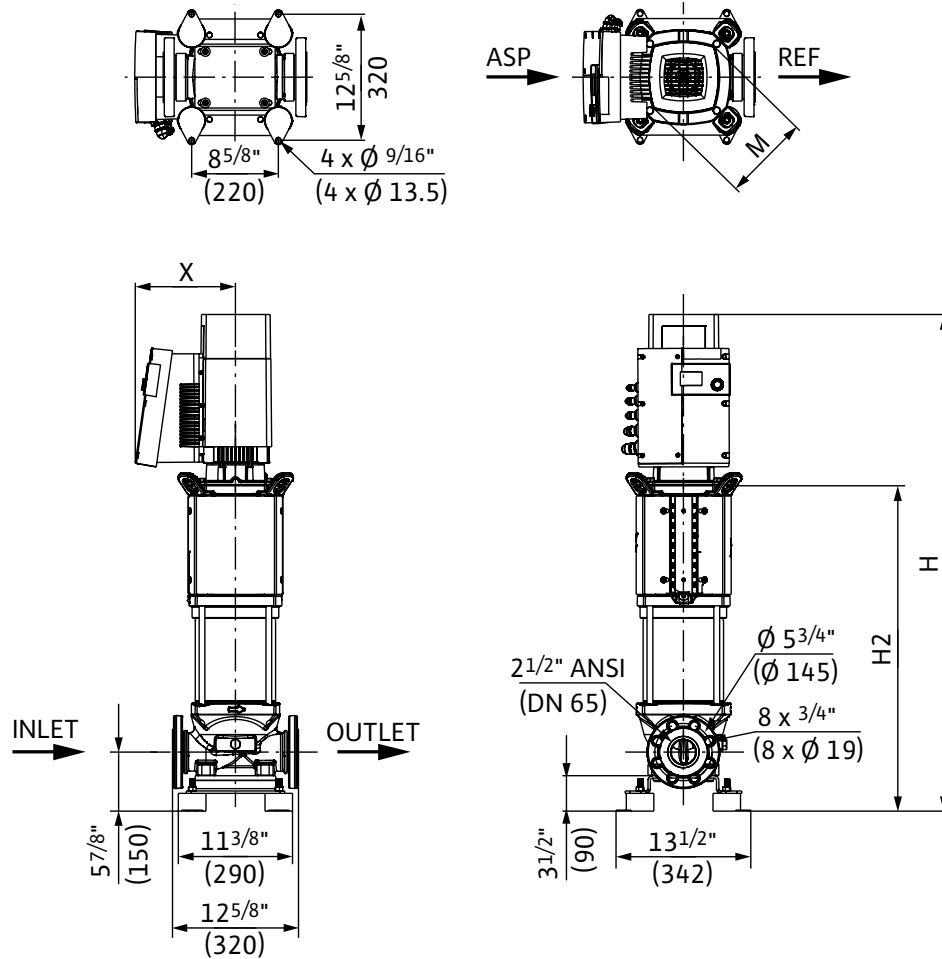
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

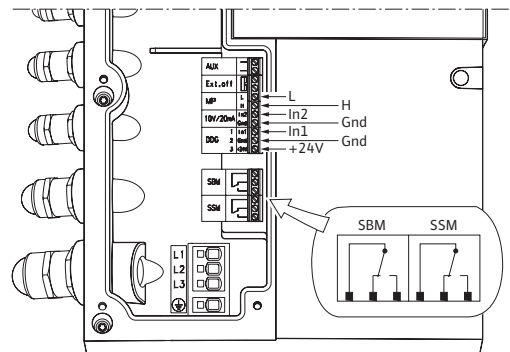


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 190-02-10.2	47	29 ^{15/16}	9 ^{3/4}	11	260.1
	(1193)	(760)	(248)	(280)	(118)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated	Phase	Voltage	FLA	Efficiency
	hp	[~]	[V]	[A]	η _m 100%
Helix EXCEL 190-02-10.2	10.2	3	460 (±10%)	10.9	96.4



Submittal Data Sheet

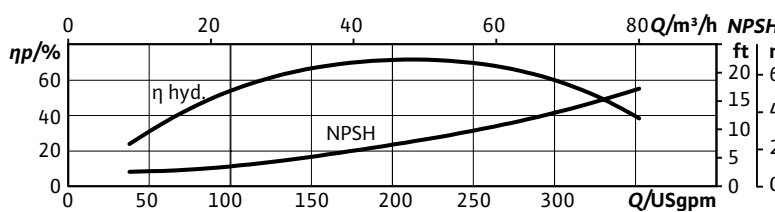
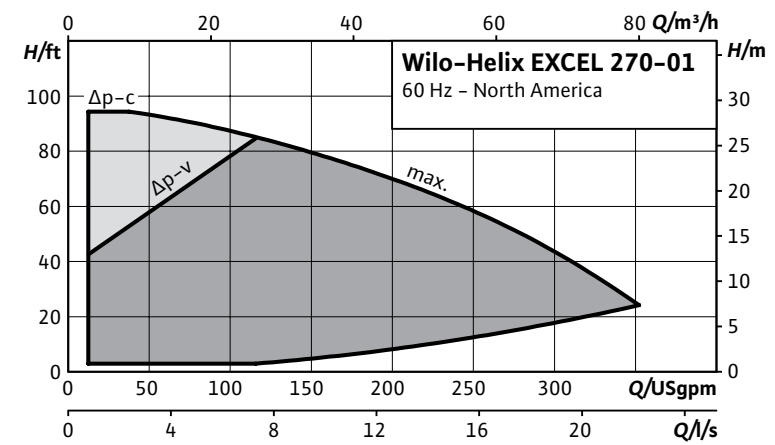
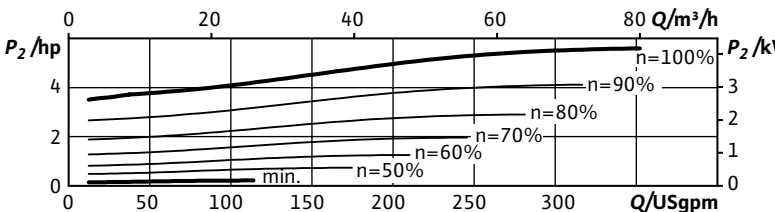
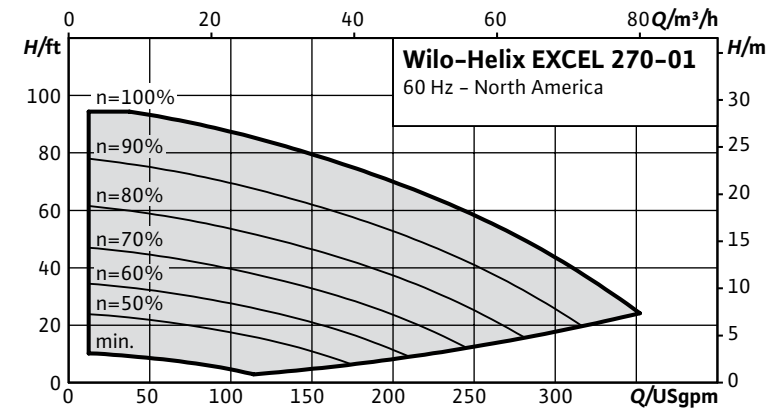
Multistage Pumps

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

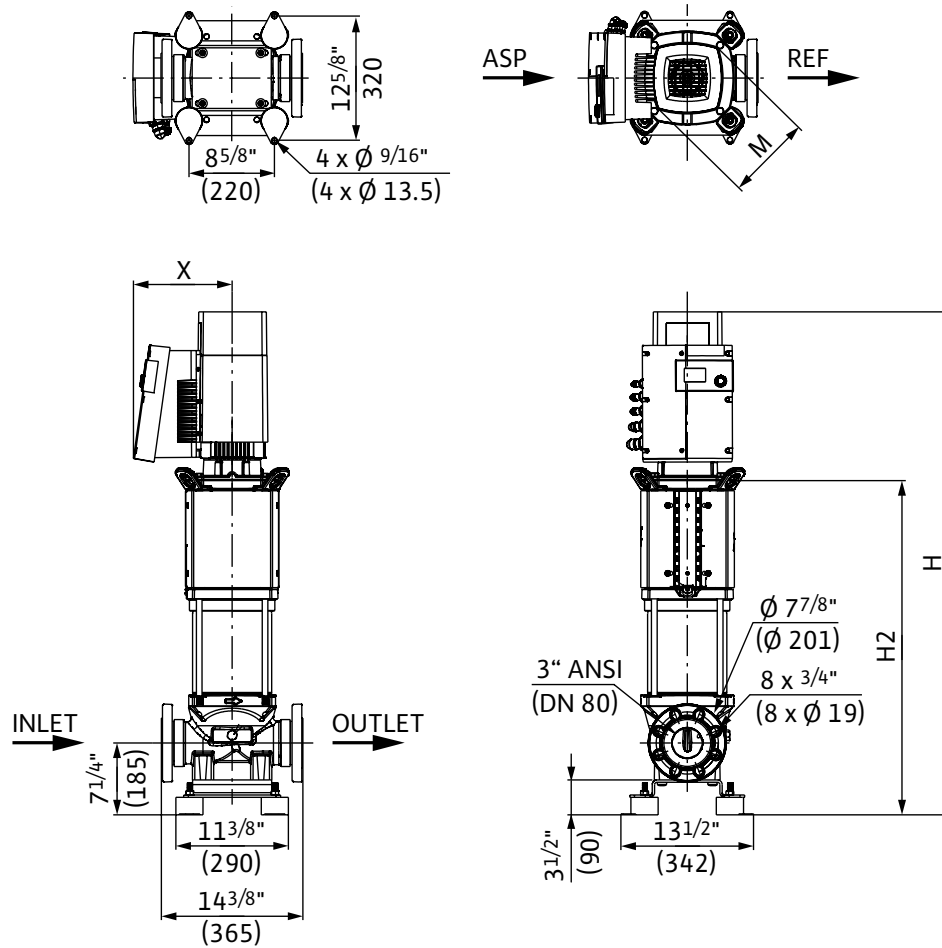
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

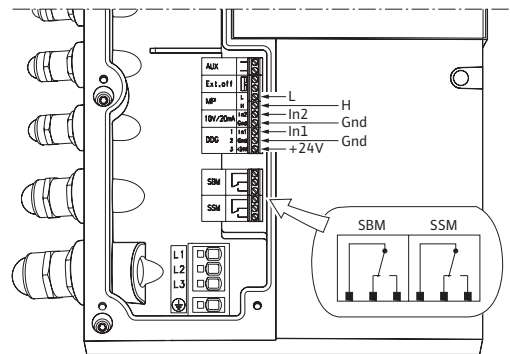


Dimensions and Weights

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



Submittal Data Sheet

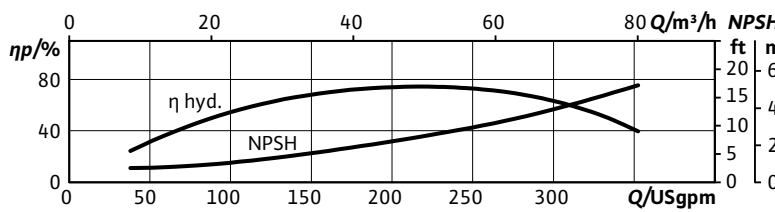
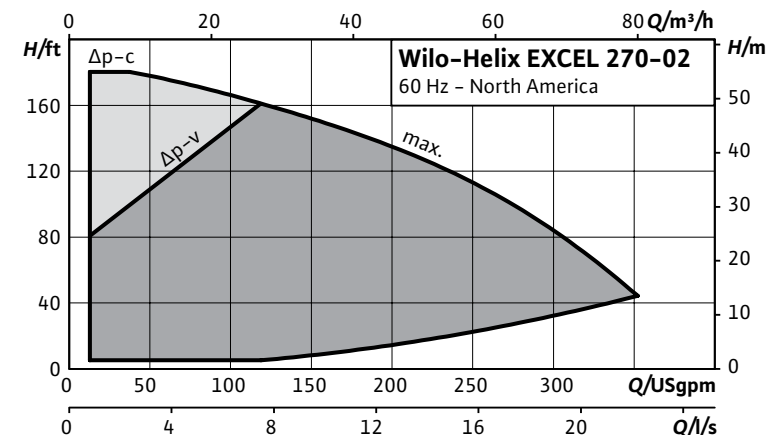
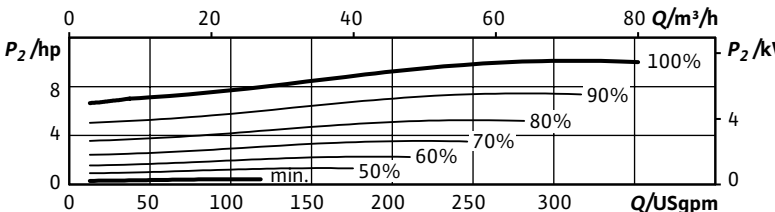
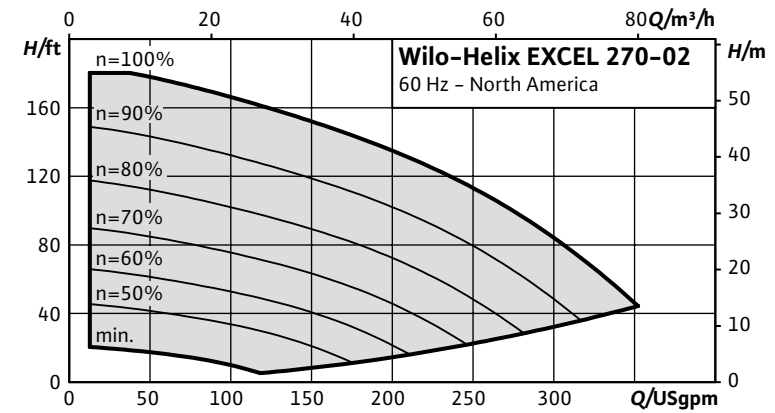
Multistage Pumps

Wilo-Helix EXCEL



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

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

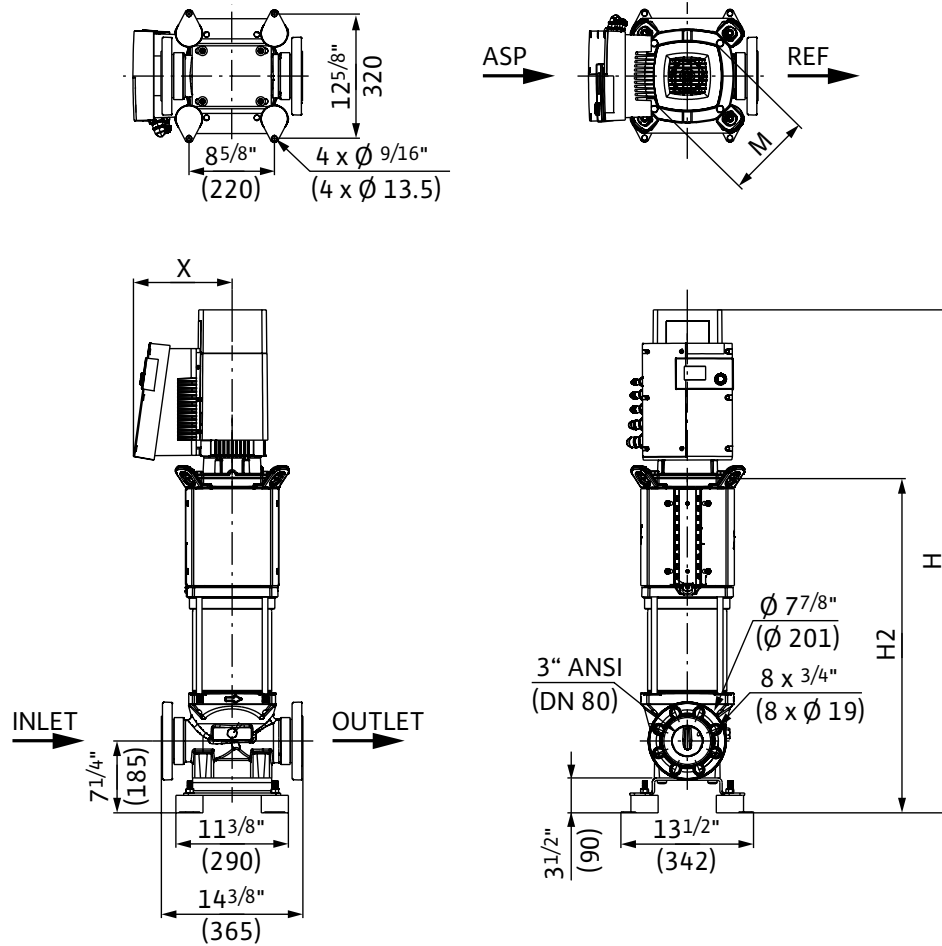
Applications

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

Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

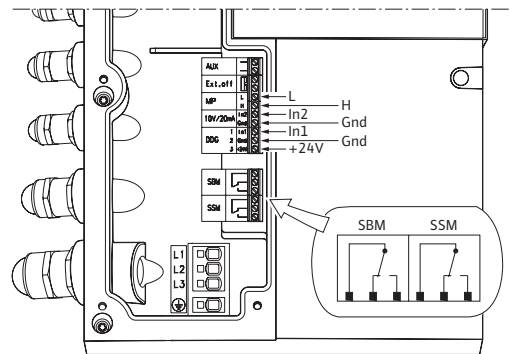


Dimensions and Weights

Model	Dimensions - Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 270-02	4 9/8	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



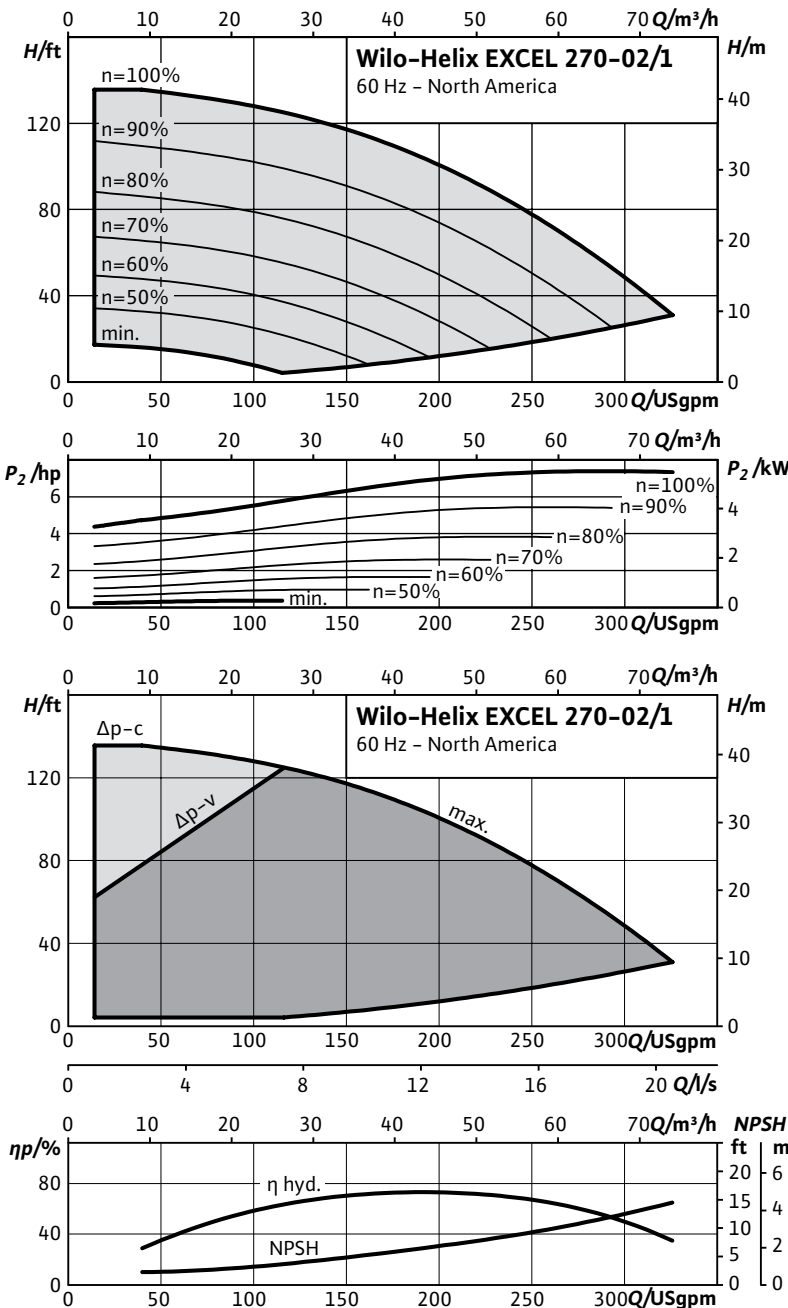
Submittal Data Sheet

Multistage Pumps

Wilo-Helix EXCEL

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	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
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

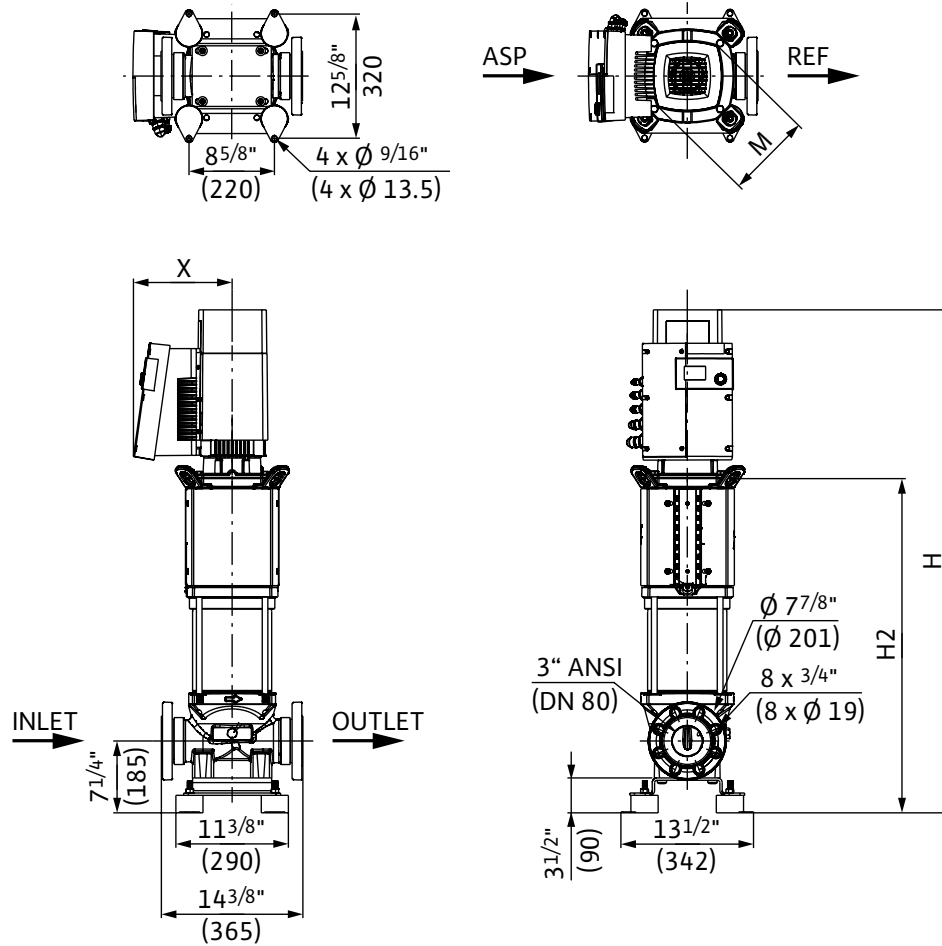
Applications

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

Submittal Data Sheet

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

