

Submittal Data Sheet

High-Efficiency Multistage Pumps

wilo®

Helix EXCEL 50-04



Project:

Engineer:

Contractor:

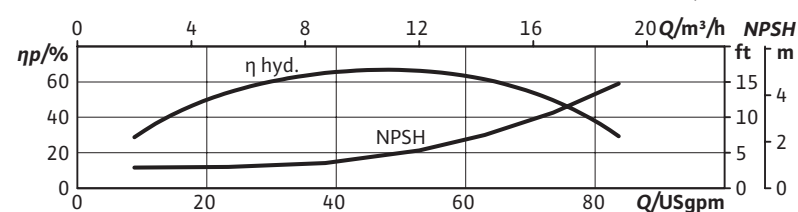
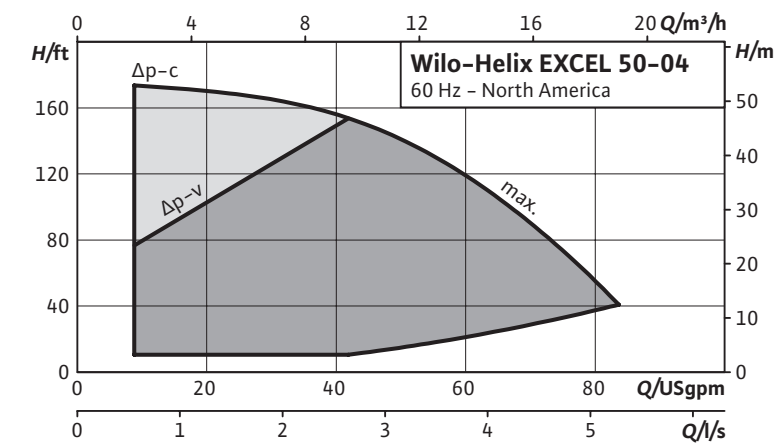
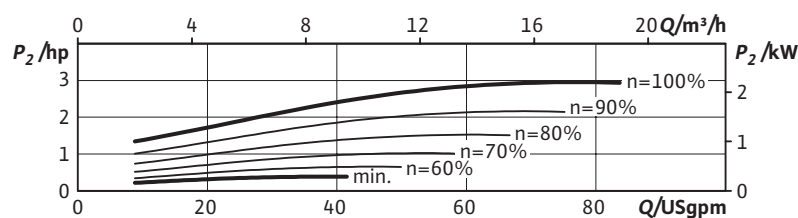
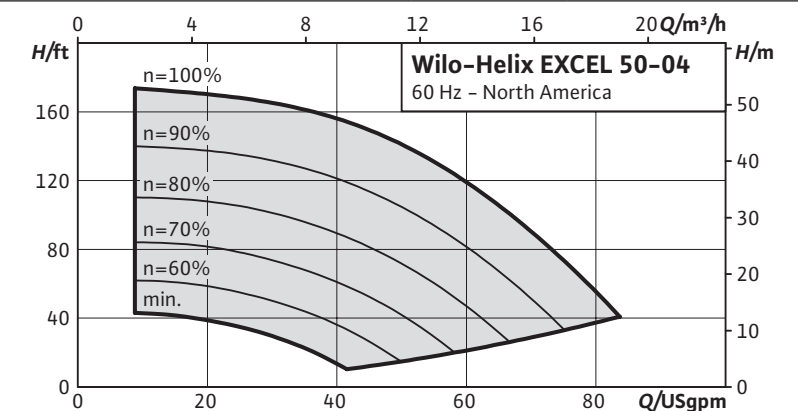
Submitted By:

Date:

Approved By:

Date:

Tag #	Model #	Flow	Head	Volute	Control Mode	HP	Phase	Voltage
	Helix Excel 50-04					3.0	3	460



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

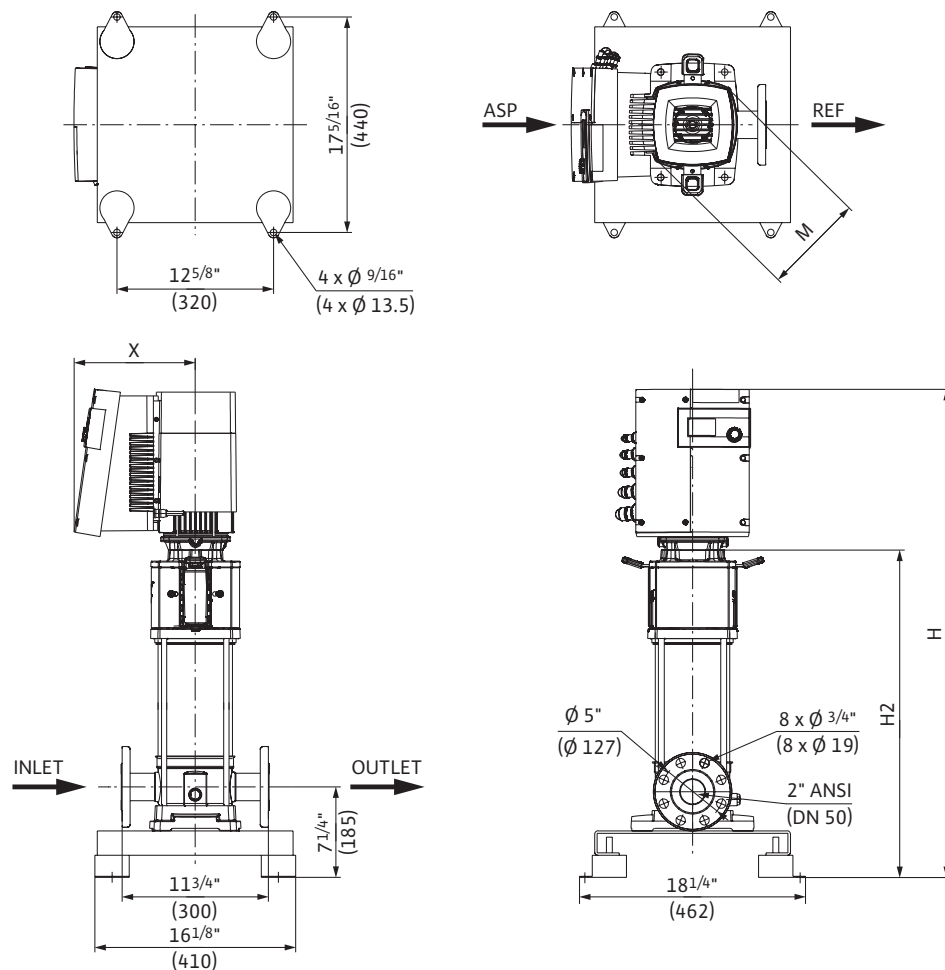
• Water Supply	• Pressure Boosting
• Boiler Feed	• Cooling Systems
• Pressure washing	• Irrigation

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Helix EXCEL 50-04 Dimensions & Weights

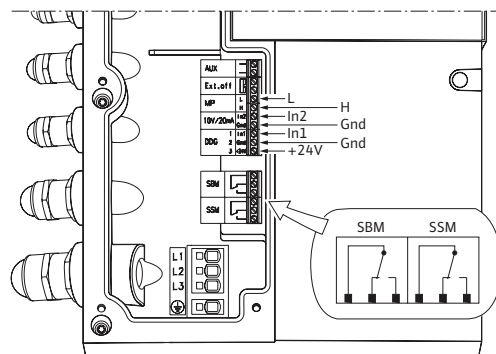


Dimensions and Weights

Model	Dimensions – Inches (mm)				Weight lbs (kg)
	H	H2	ØM	X	
Helix EXCEL 50-04	36 7/16	23 1/2	8 3/8	9 3/4	119.0
	(925)	(597)	(206)	(248)	(54)

EC Motor Data (Single Motor Operation)

Model	P ₂ Rated hp	Phase [~]	Voltage [V]	FLA [A]	Efficiency η _m 100%
Helix EXCEL 50-04	3.0	3	460 (±10%)	4.4	93.0



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