

Submittal Data Sheet

High-Efficiency Multistage Pumps

wilo®

Helix EXCEL 190-02/2



Project:

Engineer:

Contractor:

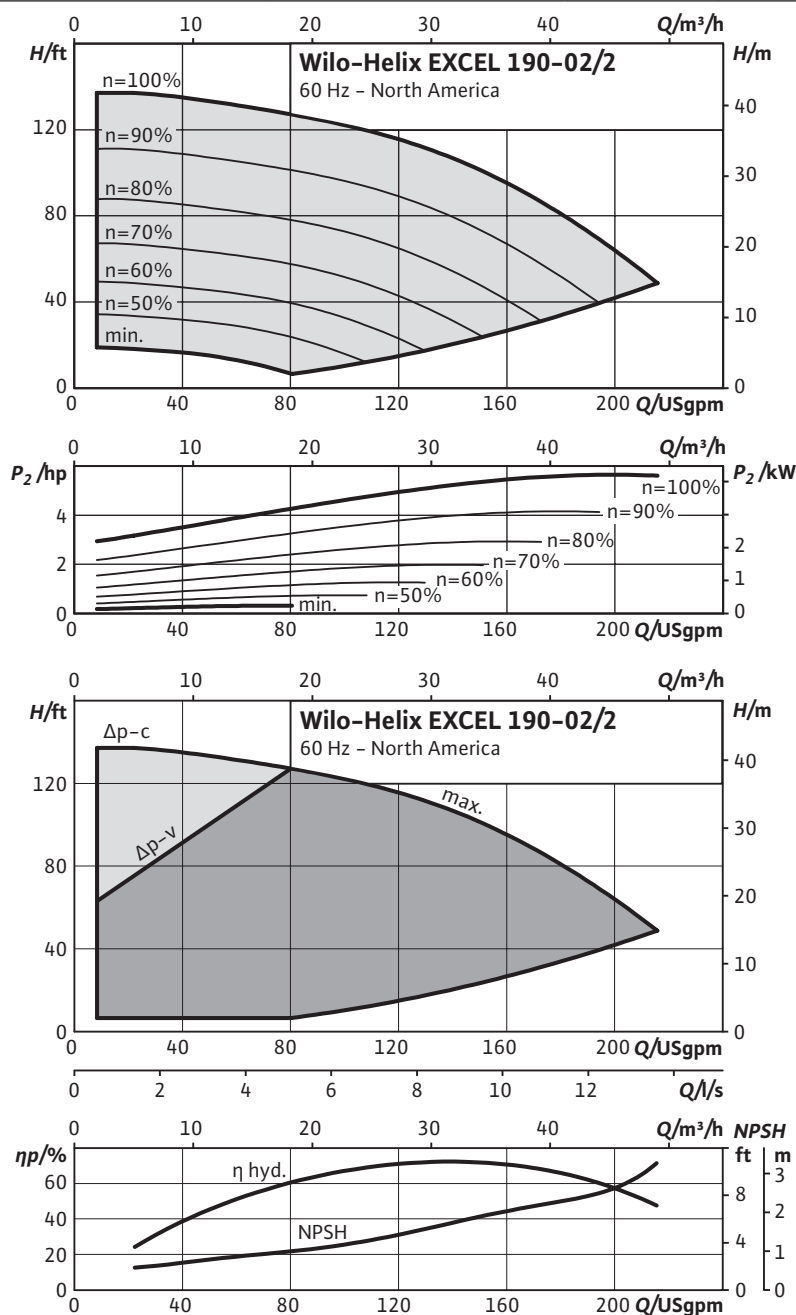
Submitted By:

Date:

Approved By:

Date:

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



Technical Data

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 Construction

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

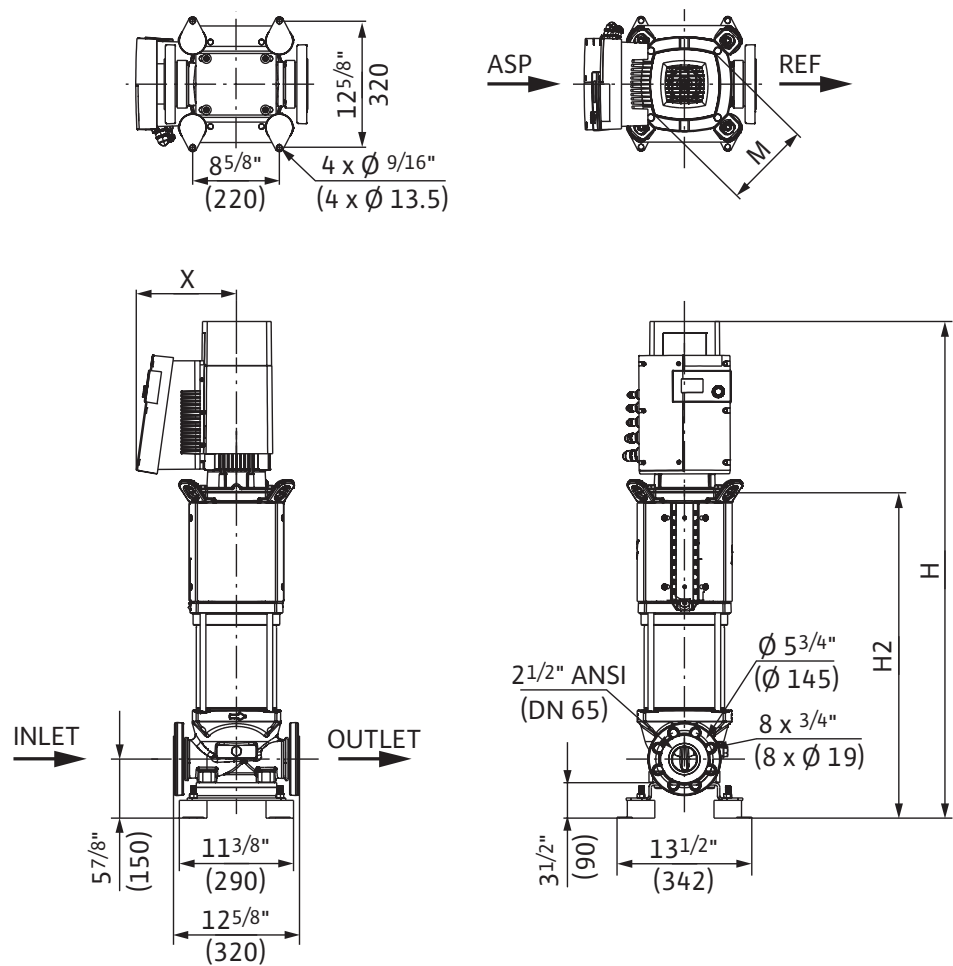
IR Module Selection

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

Applications

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

Helix EXCEL 190-02/2 Dimensions & Weights



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

