

# Submittal Data Sheet

## Wilo Helix - Vertical Multistage Pumps

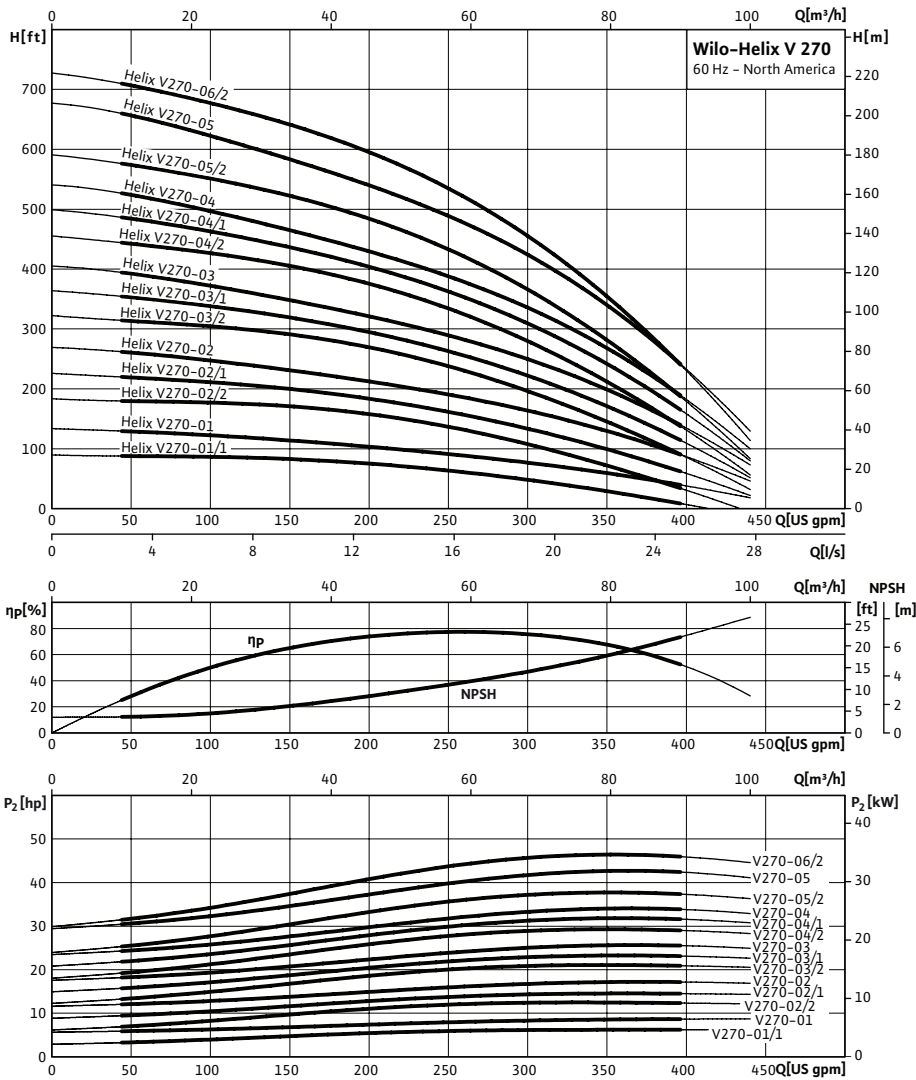


### Wilo Helix V 270 (304 SS - EPDM)



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

Tag #	Model #	Flow	Head	HP	Cycle	Phase	Voltage	RPM
					60Hz	3		3450



Technical Data	
Liquid Temp Range	4°F to 248°F (-15°C to 120°C)
Power Supply	3- 230/460/575
Ambient temperature limits	Maximum 104°F - <90% humidity (motor-dependent)
Flange Connection	250# ANSI
Max suction pressure	145 PSI
Max Operating Pressure (≤30 HP)	230 PSI
Max Operating Pressure (>30 HP)	360 PSI
Motor Options	TEFC Standard

Materials of Construction	
Pump volute	Cast Iron (cataphoresis coated)
Impeller	Stainless steel AISI 304 (1.4301)
Shaft	Stainless steel AISI 304 (1.4301)
Elastomers	EPDM/FKM
Mechanical seal	SiC/Carbon or Tungsten Carbide/Carbon
Pressure Shroud	Stainless steel AISI 304 (1.4301)
Bearing	Tungsten Carbide/Ceramic
Pump Base	Steel

Applications	
• Water supply & pressure boosting	• Washing and sprinkling systems
• Condensate return	• Process engineering
• Boiler feed	• Cooling-water circuits
• Geothermal	• Heating

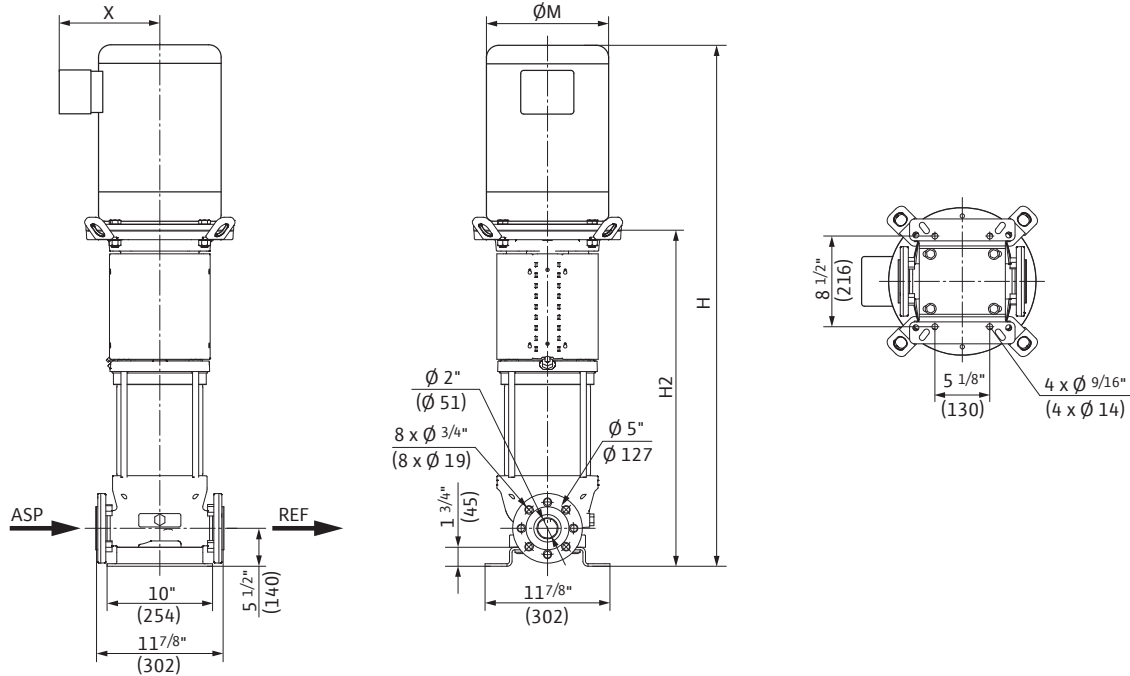
Approval Stamp

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## Dimensions & Weights



### Dimensions and Weights

### TEFC Motor Data

Model	Dimensions—inches (mm)								Weight	
	H		H <sub>2</sub>		Ø g		X		lbs	kg
Helix V 270-01/1	42 <sup>15/16</sup>	1091	26 <sup>7/8</sup>	683	11 <sup>1/2</sup>	292	7 <sup>3/8</sup>	187	337	153
Helix V 270-01	42 <sup>15/16</sup>	1091	26 <sup>7/8</sup>	683	11 <sup>1/2</sup>	292	7 <sup>3/8</sup>	187	356	161
Helix V 270-02/2	52 <sup>1/16</sup>	1322	32	813	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	486	221
Helix V 270-02/1	52 <sup>1/16</sup>	1322	32	813	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	486	221
Helix V 270-02	52 <sup>1/16</sup>	1322	32	813	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	460	208
Helix V 270-03/2	57 <sup>1/4</sup>	1455	35 <sup>15/16</sup>	913	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	591	268
Helix V 270-03/1	57 <sup>1/4</sup>	1455	35 <sup>15/16</sup>	913	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	591	268
Helix V 270-03	57 <sup>1/4</sup>	1455	35 <sup>15/16</sup>	913	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	591	268
Helix V 270-04/2	61 <sup>3/16</sup>	1555	39 <sup>7/8</sup>	1013	13 <sup>3/4</sup>	337	9 <sup>1/2</sup>	242	598	271
Helix V 270-04/1	64 <sup>15/16</sup>	1649	39 <sup>7/8</sup>	1013	16 <sup>7/8</sup>	429	14 <sup>1/8</sup>	359	722	328
Helix V 270-04	64 <sup>15/16</sup>	1649	39 <sup>7/8</sup>	1013	16 <sup>7/8</sup>	429	14 <sup>1/8</sup>	359	722	328
Helix V 270-05/2	68 <sup>7/8</sup>	1749	43 <sup>13/16</sup>	1113	16 <sup>7/8</sup>	429	14 <sup>1/8</sup>	359	729	331
Helix V 270-05	69	1752	43 <sup>13/16</sup>	1113	16 <sup>7/8</sup>	429	14 <sup>1/8</sup>	359	810	367
Helix V 270-06/2	72 <sup>7/8</sup>	1852	47 <sup>3/4</sup>	1213	16 <sup>7/8</sup>	429	14 <sup>1/8</sup>	359	819	371

P2	Phase	Voltage	FLA
[HP]	[~]	[V]	[A]
7.5	3	230/460/575	17.2/8.6/6.9
10	3	230/460/575	22.4/11.2/9
15	3	230/460/575	34.4/17.2/13.5
15	3	230/460/575	34.4/17.2/13.5
20	3	230/460/575	45/22.5/18.4
25	3	230/460/575	56/28/22
25	3	230/460/575	56/28/22
30	3	230/460/575	66/33/26.2
30	3	230/460/575	66/33/26.2
40	3	230/460/575	90/45/36
40	3	230/460/575	90/45/36
40	3	230/460/575	90/45/36
50	3	230/460/575	108/54/43.6
50	3	230/460/575	108/54/43.6

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