

# Submittal Data Sheet

Wilco NL-HE - Base Mounted End Suction Pumps

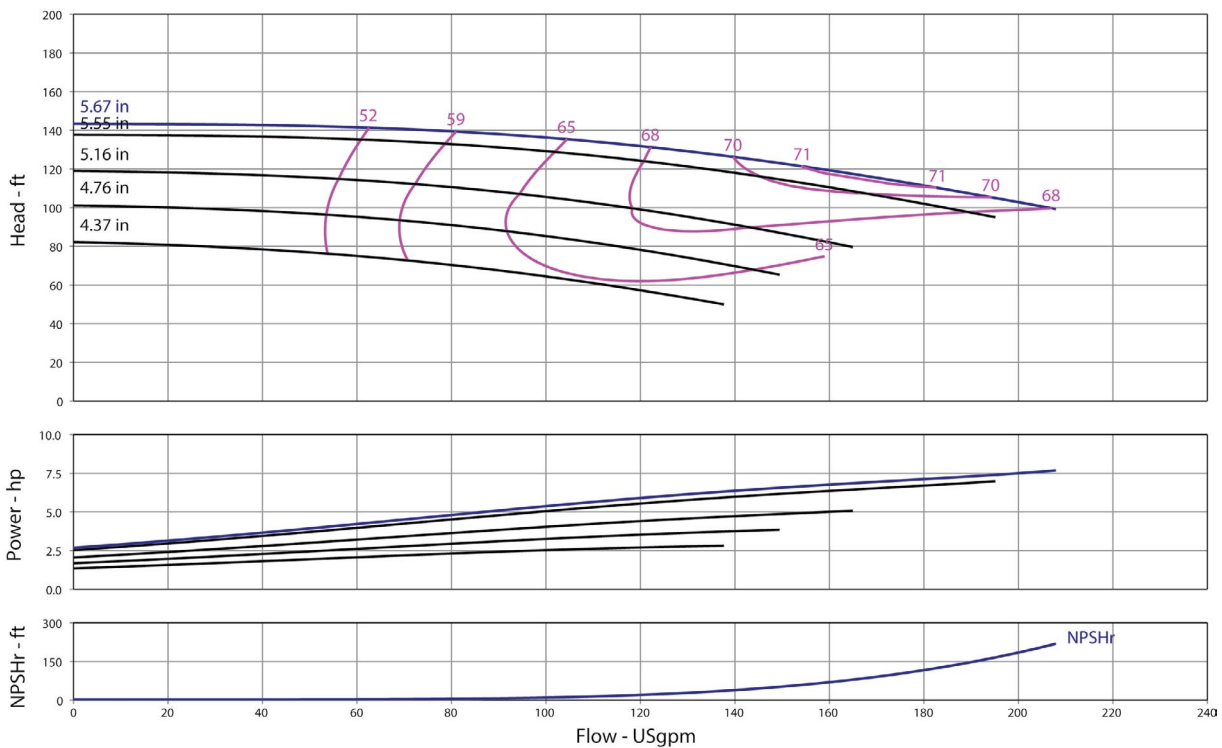


## NL-HE 2 x 1 1/4 x 5 (2 Pole)



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

Tag #	Model #	Flow (USGPM)	Head (Feet)	HP	Enclosure	Frame	Cycle	Phase	Voltage	RPM
	NL-HE 2 x 1 1/4 x 5						60Hz	3		



Technical Data	
PEI	
0.95	
Approved Fluids	
Heating Water	
Cooling and cold water	
Pressure /Temperature Ratings	
Ambient Temperature:	+5 °F to +104 °F (-15 °C to +40 °C)
Max Working Pressure & Temperature:	189 psi (up to 284 °F Fluid Temperature) 232 psi (up to 248 °F Fluid Temperature)
Water-Glycol Mixtures for 20-40% glycol and fluid temp ≤ 104°F (40°C)	

Materials of Construction	
Pump Housing	EN-GL-250 Gray Cast Iron
Impeller	EN 1.4408 Cast Stainless Steel
Impeller (optional)	CC480K Bronze or EN-GJL 1030 Cast Iron
Pump Shaft	1.4021 + QT700 Stainless Steel
Mechanical Seal	Carbon/silicon carbide/EPDM (E1)
Other Mechanical Seals	Avail. on request
Additional Spacer Coupling	Avail. on request
Other:	

Approval Stamp

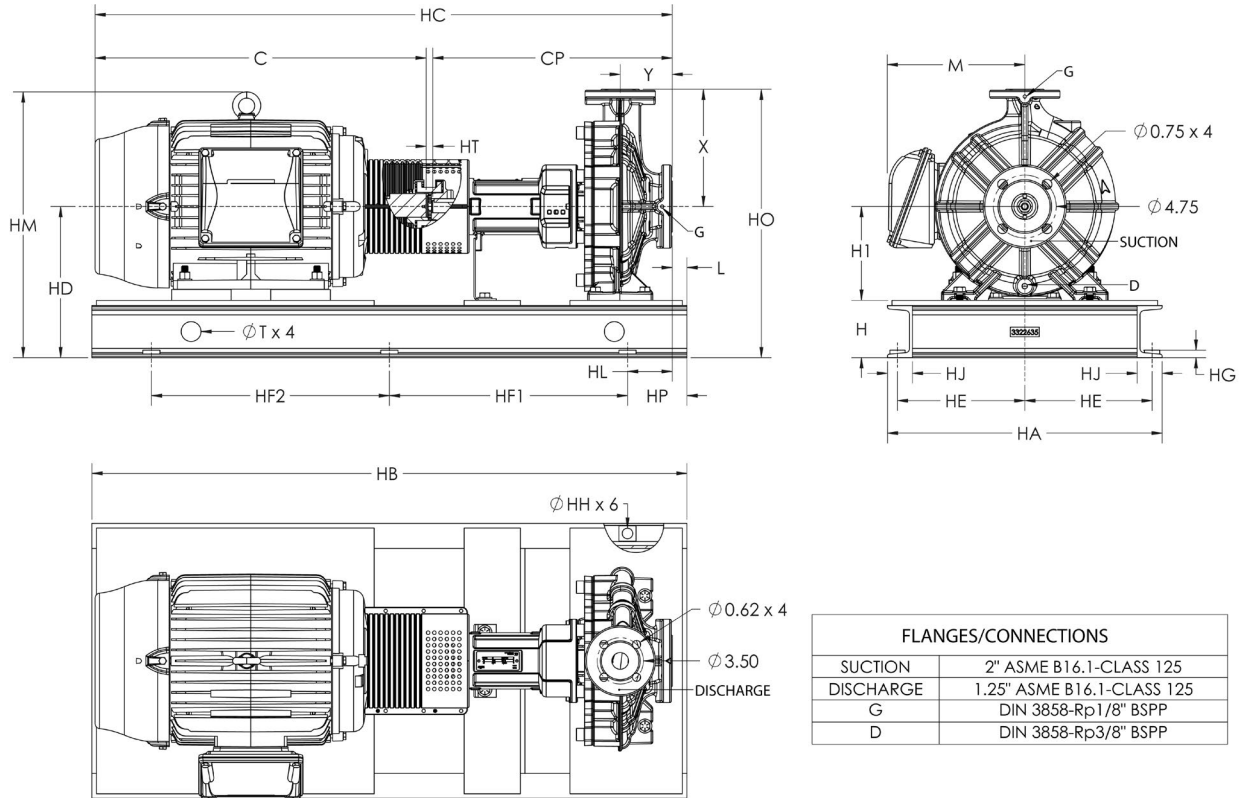
# Submittal Data Sheet

## Wilo NL-HE - Base Mounted End Suction Pumps



### Dimensions & Weights

#### Wilo NL-HE



FLANGES/CONNECTIONS	
SUCTION	2" ASME B16.1-CLASS 125
DISCHARGE	1.25" ASME B16.1-CLASS 125
G	DIN 3858-Rp1/8" BSPP
D	DIN 3858-Rp3/8" BSPP

#### NL-HE 2 x 1 1/4 x 5

Motor							Dimensions - Inches																				Wt. (lb)				
HP	ENCL	Frame	Volt	RPM	EFF	PF	H	H1	X	HD	HO	HM	M	HA	HE	HG	HJ	Y	HT	HC	C	CP	L	HL	T	HH		HP	HF1	HF2	HB
3	ODP	143/5T	208-230/460	3480	85.5	0.9	4.3	4.4	5.5	8.7	14.3	12.0	5.9	16.3	7.4	0.57	1.9	3.1	0.50	30.2	12.3	17.3	1.75	1.75	1.50	0.80	3.5	13	13	33	219
3	TEFC	182/4T	208-230/460	3515	86.5	0.88	4.3	4.5	5.5	8.8	14.3	13.2	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	278
3	ODP	143/5T	575	3480	85.5	0.9	4.3	4.4	5.5	8.7	14.3	12.0	5.9	16.3	7.4	0.57	1.9	3.1	0.50	30.2	12.3	17.3	1.75	1.75	1.50	0.80	3.5	13	13	33	218
3	TEFC	182/4T	575	3515	86.5	0.88	4.3	4.5	5.5	8.8	14.3	13.2	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	274
5	ODP	182/4T	208-230/460	3510	86.5	0.88	4.3	4.5	5.5	8.8	14.3	12.9	6.7	17.3	7.9	0.57	1.9	3.1	0.50	32.6	14.8	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	245
5	TEFC	182/4T	208-230/460	3485	88.5	0.89	4.3	4.5	5.5	8.8	14.3	13.2	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	281
5	ODP	182/4T	575	3510	86.5	0.88	4.3	4.5	5.5	8.8	14.3	12.9	6.7	17.3	7.9	0.57	1.9	3.1	0.50	32.6	14.8	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	245
5	TEFC	182/4T	575	3485	88.5	0.89	4.3	4.5	5.5	8.8	14.3	13.2	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	279
7.5	ODP	182/4T	208-230/460	3500	88.5	0.9	4.3	4.5	5.5	8.8	14.3	12.9	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	259
7.5	TEFC	182/4T	208-230/460	3485	89.5	0.88	4.3	4.5	5.5	8.8	14.3	13.2	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	285
7.5	ODP	182/4T	575	3500	88.5	0.9	4.3	4.5	5.5	8.8	14.3	12.9	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	259
7.5	TEFC	213/5T	575	3520	89.5	0.88	4.3	5.2	5.5	9.6	15.1	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	360
10	ODP	213/5T	208-230/460	3535	89.5	0.88	4.3	5.2	5.5	9.6	15.1	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	319
10	TEFC	213/5T	208-230/460	3510	90.2	0.9	4.3	5.2	5.5	9.6	15.1	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	364
10	ODP	213/5T	575	3535	89.5	0.88	4.3	5.2	5.5	9.6	15.1	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	319
10	TEFC	213/5T	575	3510	90.2	0.9	4.3	5.2	5.5	9.6	15.1	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	362

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Wilo NL-HE – Base Mounted End Suction Pumps

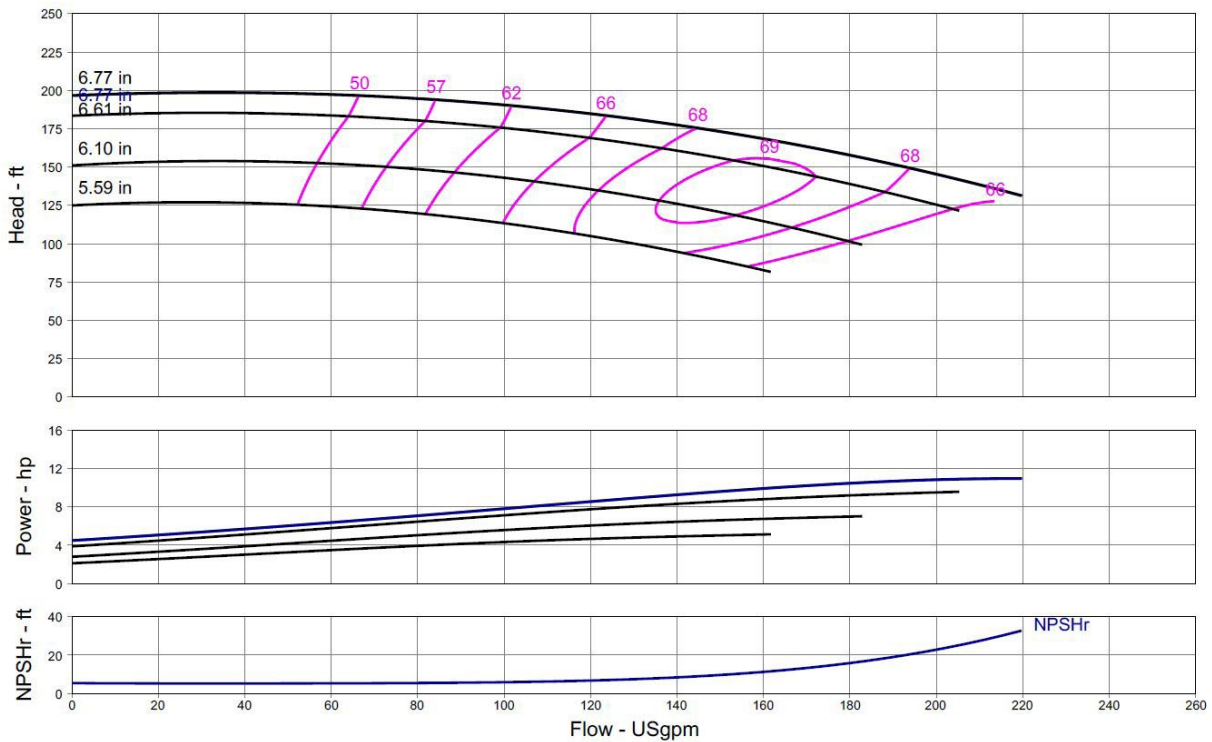


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Contractor:	
Submitted By:	Date:
Approved By:	Date:

Tag #	Model #	Flow (USGPM)	Head (Feet)	HP	Enclosure	Frame	Cycle	Phase	Voltage	RPM
	NL-HE 2 x 1 1/4 x 6						60Hz	3		



Technical Data	
PEI	
0.89	
Approved Fluids	
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Cooling and cold water	
Pressure /Temperature Ratings	
Ambient Temperature:	+5 °F to +104 °F (-15 °C to +40 °C)
Max Working Pressure & Temperature:	189 psi (up to 284 °F Fluid Temperature) 232 psi (up to 248 °F Fluid Temperature)
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Other Mechanical Seals	Avail. on request
Additional Spacer Coupling	Avail. on request
Other:	

Approval Stamp

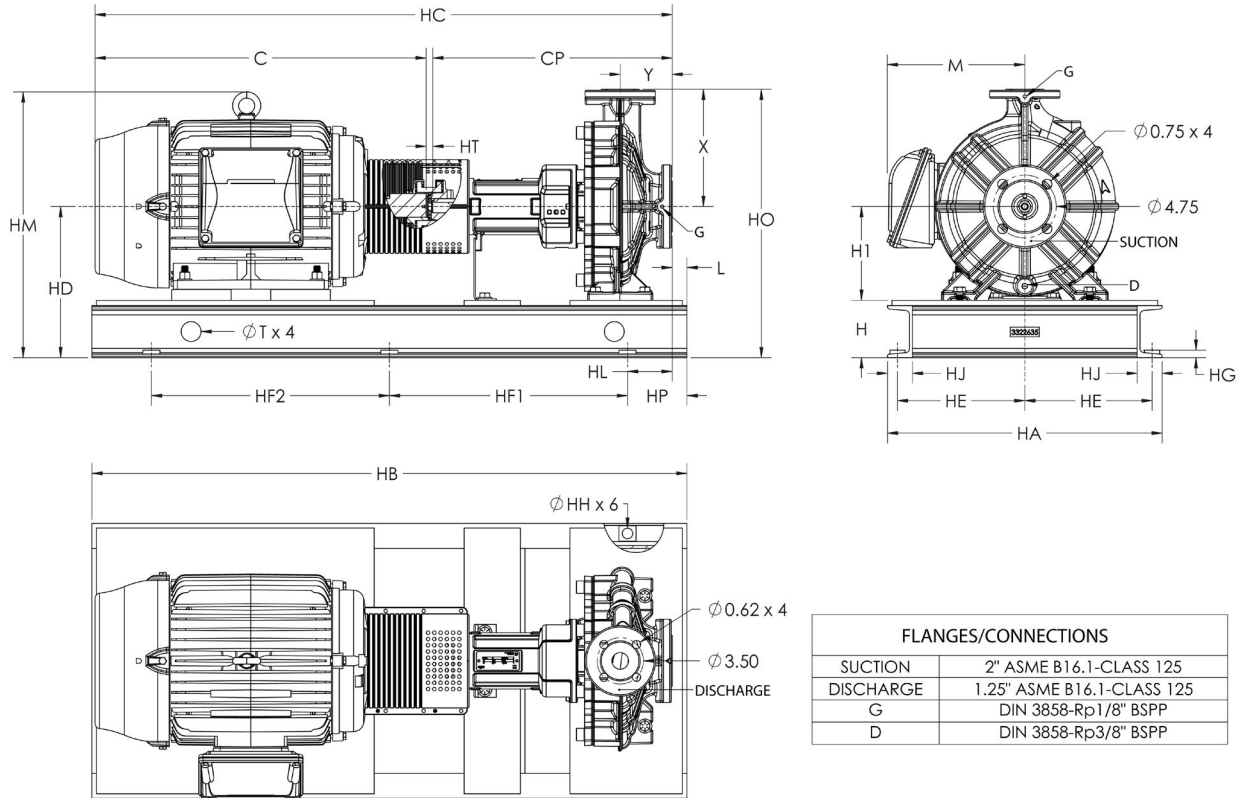
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### Dimensions & Weights

#### Wilo NL-HE



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SUCTION	2" ASME B16.1-CLASS 125
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D	DIN 3858-Rp3/8" BSPP

#### NL-HE 2 x 1 1/4 x 6

Motor							Dimensions - Inches																								
HP	ENCL	Frame	Volt	RPM	EFF	PF	H	H1	X	HD	HO	HM	M	HA	HE	HG	HJ	Y	HT	HC	C	CP	L	HL	T	HH	HP	HF1	HF2	HB	Wt. (lb)
7.5	ODP	182/4T	208-230/460	3500	88.5	0.9	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	272
7.5	TEFC	182/4T	208-230/460	3485	89.5	0.88	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	298
7.5	ODP	182/4T	575	3500	88.5	0.9	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	272
7.5	TEFC	213/5T	575	3520	89.5	0.88	4.3	5.2	6.3	9.6	15.9	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	368
10	ODP	213/5T	208-230/460	3535	89.5	0.88	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	327
10	TEFC	213/5T	208-230/460	3510	90.2	0.9	4.3	5.2	6.3	9.6	15.9	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	372
10	ODP	213/5T	575	3535	89.5	0.88	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	327
10	TEFC	213/5T	575	3510	90.2	0.9	4.3	5.2	6.3	9.6	15.9	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	370
15	ODP	213/5T	208-230/460	3535	90.2	0.89	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	35.6	17.8	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	342
15	TEFC	254/6T	208-230/460	3530	91	0.88	4.3	6.2	6.3	10.6	16.9	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	514
15	ODP	213/5T	575	3535	90.2	0.89	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	35.6	17.8	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	341
15	TEFC	254/6T	575	3530	91	0.88	4.3	6.2	6.3	10.6	16.9	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	513

# Submittal Data Sheet

## Wilo NL-HE – Base Mounted End Suction Pumps

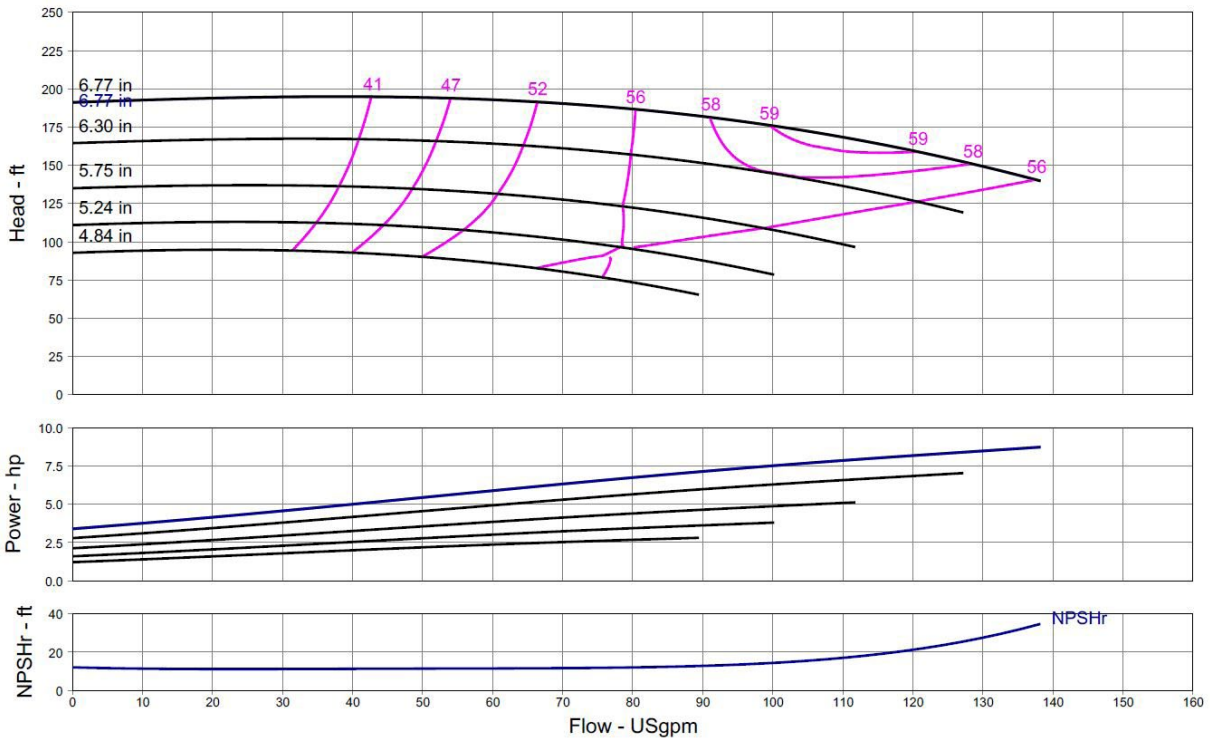


### NL-HE 2 x 1¼ x 6.1 (2 Pole)



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

Tag #	Model #	Flow (USGPM)	Head (Feet)	HP	Enclosure	Frame	Cycle	Phase	Voltage	RPM
	NL-HE 2 x 1¼ x 6.1						60Hz	3		



Technical Data	
PEI	
0.90	
Approved Fluids	
Heating Water	
Cooling and cold water	
Pressure /Temperature Ratings	
Ambient Temperature:	+5 °F to +104 °F (-15 °C to +40 °C)
Max Working Pressure & Temperature:	189 psi (up to 284 °F Fluid Temperature) 232 psi (up to 248 °F Fluid Temperature)
Water-Glycol Mixtures for 20-40% glycol and fluid temp ≤ 104°F (40°C)	

Materials of Construction	
Pump Housing	EN-GL-250 Gray Cast Iron
Impeller	EN 1.4408 Cast Stainless Steel
Impeller (optional)	CC480K Bronze or EN-GJL 1030 Cast Iron
Pump Shaft	1.4021 + QT700 Stainless Steel
Mechanical Seal	Carbon/silicon carbide/EPDM (E1)
Other Mechanical Seals	Avail. on request
Additional Spacer Coupling	Avail. on request
Other:	



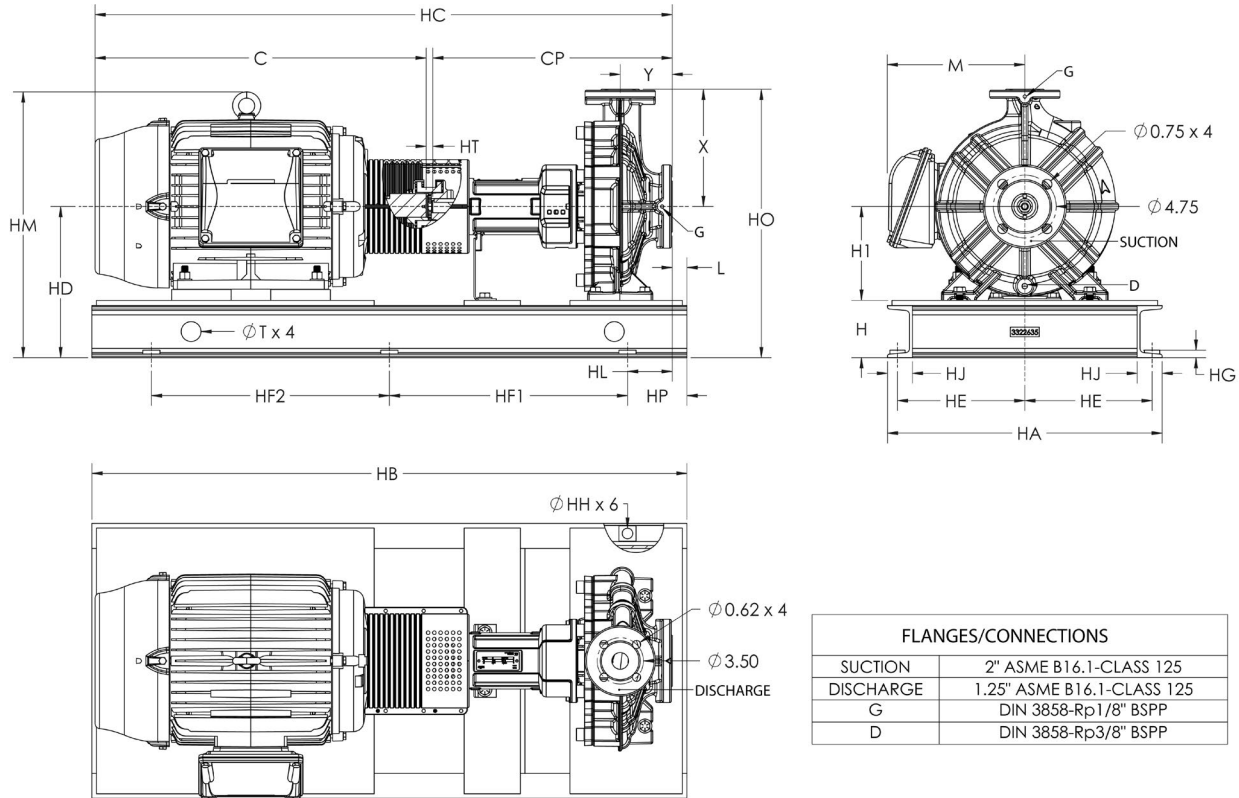
# Submittal Data Sheet

## Wilo NL-HE – Base Mounted End Suction Pumps



### Dimensions & Weights

#### Wilo NL-HE



FLANGES/CONNECTIONS	
SUCTION	2" ASME B16.1-CLASS 125
DISCHARGE	1.25" ASME B16.1-CLASS 125
G	DIN 3858-Rp1/8" BSPP
D	DIN 3858-Rp3/8" BSPP

#### NL-HE 2 x 1 1/4 x 6.1

Motor							Dimensions – Inches																				Wt. (lb)				
HP	ENCL	Frame	Volt	RPM	EFF	PF	H	H1	X	HD	HO	HM	M	HA	HE	HG	HJ	Y	HT	HC	C	CP	L	HL	T	HH		HP	HF1	HF2	HB
3	ODP	143/ST	208-230/460	3480	85.5	0.9	4.3	5.2	6.3	9.5	15.8	12.8	5.9	16.3	7.4	0.57	1.9	3.1	0.50	30.2	12.3	17.3	1.75	1.75	1.50	0.80	3.5	13	13	33	232
3	TEFC	182/4T	208-230/460	3515	86.5	0.88	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	291
3	ODP	143/ST	575	3480	85.5	0.9	4.3	5.2	6.3	9.5	15.8	12.8	5.9	16.3	7.4	0.57	1.9	3.1	0.50	30.2	12.3	17.3	1.75	1.75	1.50	0.80	3.5	13	13	33	232
3	TEFC	182/4T	575	3515	86.5	0.88	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	288
5	ODP	182/4T	208-230/460	3510	86.5	0.88	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	32.6	14.8	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	258
5	TEFC	182/4T	208-230/460	3485	88.5	0.89	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	295
5	ODP	182/4T	575	3510	86.5	0.88	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	32.6	14.8	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	258
5	TEFC	182/4T	575	3485	88.5	0.89	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	292
7.5	ODP	182/4T	208-230/460	3500	88.5	0.9	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	273
7.5	TEFC	182/4T	208-230/460	3485	89.5	0.88	4.3	5.2	6.3	9.5	15.8	13.9	7.6	17.3	7.9	0.57	1.9	3.1	0.50	33.7	15.9	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	299
7.5	ODP	182/4T	575	3500	88.5	0.9	4.3	5.2	6.3	9.5	15.8	13.6	6.7	17.3	7.9	0.57	1.9	3.1	0.50	33.0	15.2	17.3	1.75	2.75	1.50	0.80	4.5	13	13	35	273
7.5	TEFC	213/ST	575	3520	89.5	0.88	4.3	5.2	6.3	9.6	15.9	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	369
10	ODP	213/ST	208-230/460	3535	89.5	0.88	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	328
10	TEFC	213/ST	208-230/460	3510	90.2	0.9	4.3	5.2	6.3	9.6	15.9	15.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	373
10	ODP	213/ST	575	3535	89.5	0.88	4.3	5.2	6.3	9.6	15.9	14.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	328
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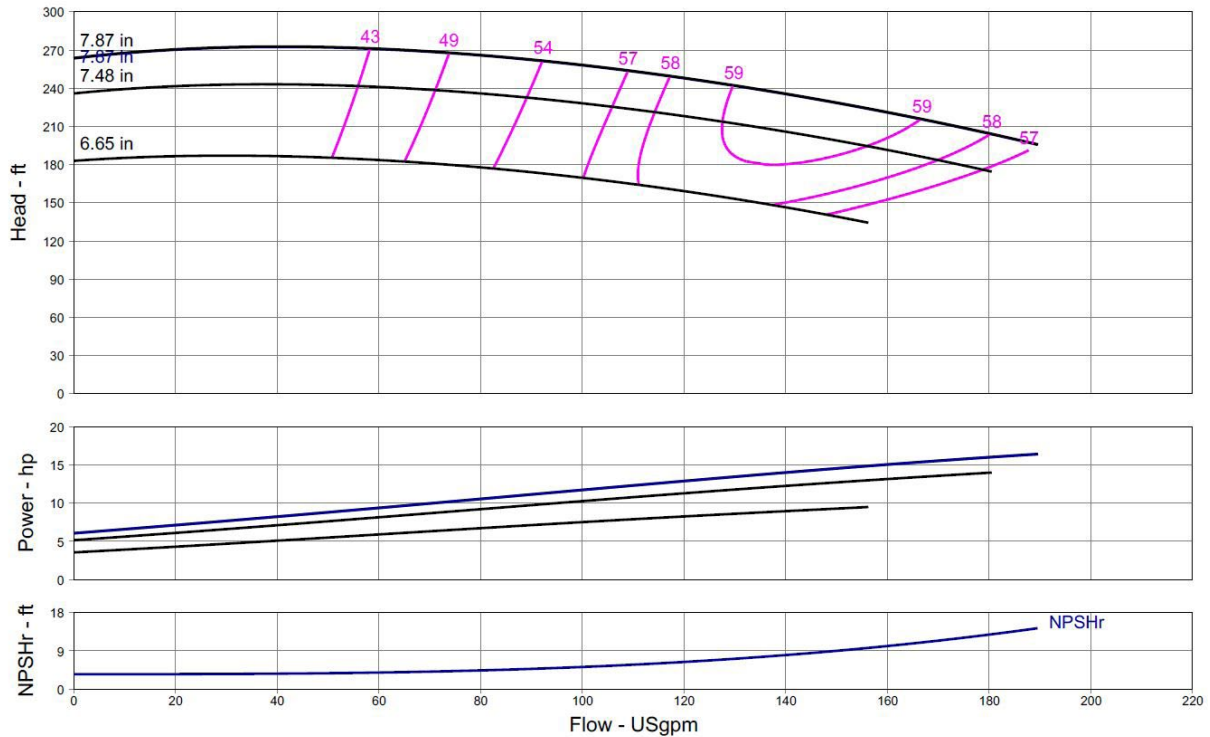


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Other:	

Approval Stamp

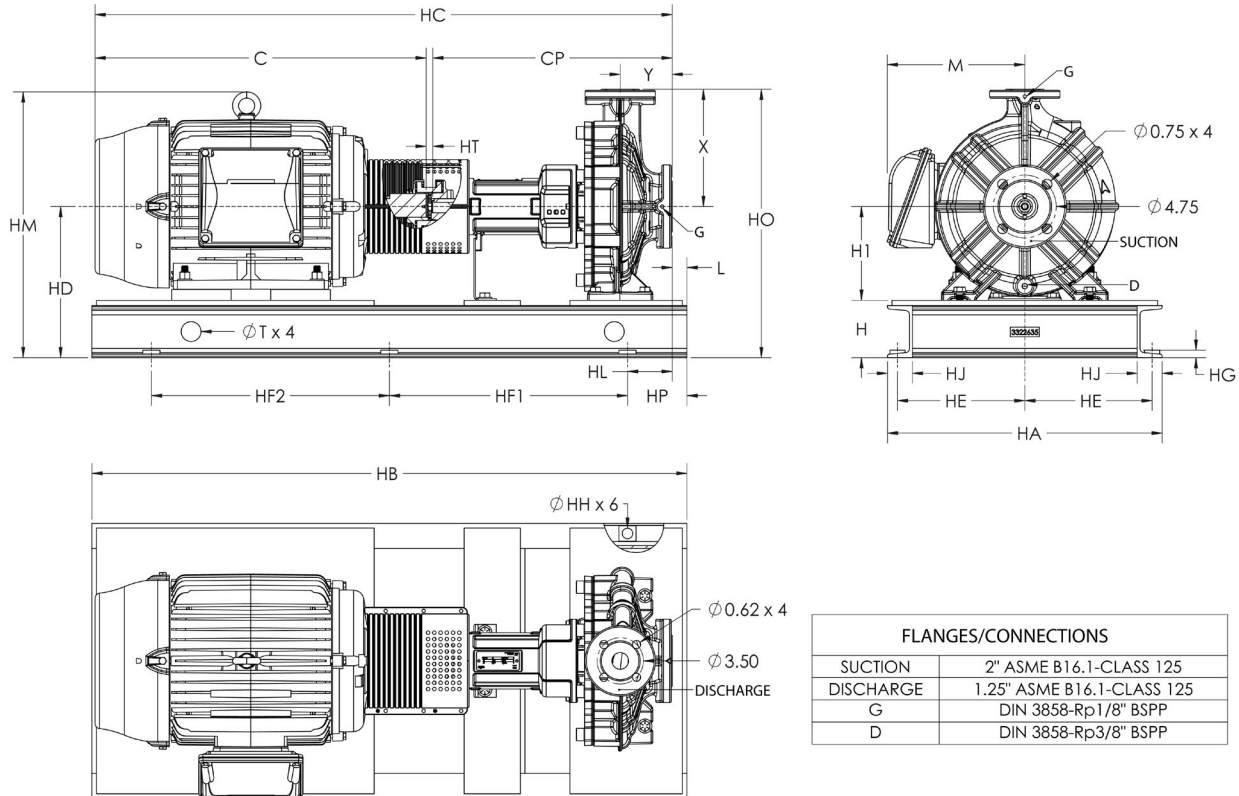
# Submittal Data Sheet

## Wilo NL-HE - Base Mounted End Suction Pumps



### Dimensions & Weights

#### Wilo NL-HE



FLANGES/CONNECTIONS	
SUCTION	2" ASME B16.1-CLASS 125
DISCHARGE	1.25" ASME B16.1-CLASS 125
G	DIN 3858-Rp1/8" BSPP
D	DIN 3858-Rp3/8" BSPP

#### NL-HE 2 x 1 1/4 x 8

Motor							Dimensions - Inches																								
HP	ENCL	Frame	Volt	RPM	EFF	PF	H	H1	X	HD	HO	HM	M	HA	HE	HG	HJ	Y	HT	HC	C	CP	L	HL	T	HH	HP	HF1	HF2	HB	Wt. (lb)
10	ODP	213/ST	208-230/460	3535	89.5	0.88	4.3	6.3	7.1	10.6	17.7	15.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	346
10	TEFC	213/ST	208-230/460	3510	90.2	0.9	4.3	6.3	7.1	10.6	17.7	16.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	392
10	ODP	213/ST	575	3535	89.5	0.88	4.3	6.3	7.1	10.6	17.7	15.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	34.8	17.0	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	346
10	TEFC	213/ST	575	3510	90.2	0.9	4.3	6.3	7.1	10.6	17.7	16.2	8.6	17.3	7.9	0.57	1.9	3.1	0.50	37.3	19.5	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	390
15	ODP	213/ST	208-230/460	3535	90.2	0.89	4.3	6.3	7.1	10.6	17.7	15.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	35.6	17.8	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	361
15	TEFC	254/6T	208-230/460	3530	91	0.88	4.3	6.3	7.1	10.6	17.7	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	526
15	ODP	213/ST	575	3535	90.2	0.89	4.3	6.3	7.1	10.6	17.7	15.5	8.0	17.3	7.9	0.57	1.9	3.1	0.50	35.6	17.8	17.3	1.75	2.75	1.50	0.80	4.5	15	15	39	360
15	TEFC	254/6T	575	3530	91	0.88	4.3	6.3	7.1	10.6	17.7	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	525
20	ODP	254/6T	208-230/460	3525	91	0.87	4.3	6.3	7.1	10.6	17.7	16.4	9.5	20.8	9.6	0.57	1.9	3.1	0.50	38.3	20.5	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	429
20	TEFC	254/6T	208-230/460	3520	91	0.89	4.3	6.3	7.1	10.6	17.7	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	551
20	ODP	254/6T	575	3525	91	0.87	4.3	6.3	7.1	10.6	17.7	16.4	9.5	20.8	9.6	0.57	1.9	3.1	0.50	38.3	20.5	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	428
20	TEFC	254/6T	575	3520	91	0.89	4.3	6.3	7.1	10.6	17.7	19.3	10.5	20.8	9.6	0.57	1.9	3.1	0.50	42.9	25.0	17.3	1.90	2.60	1.50	0.80	4.5	18	18	45	550



# Submittal Data Sheet

Wilco NL-HE - Base Mounted End Suction Pumps

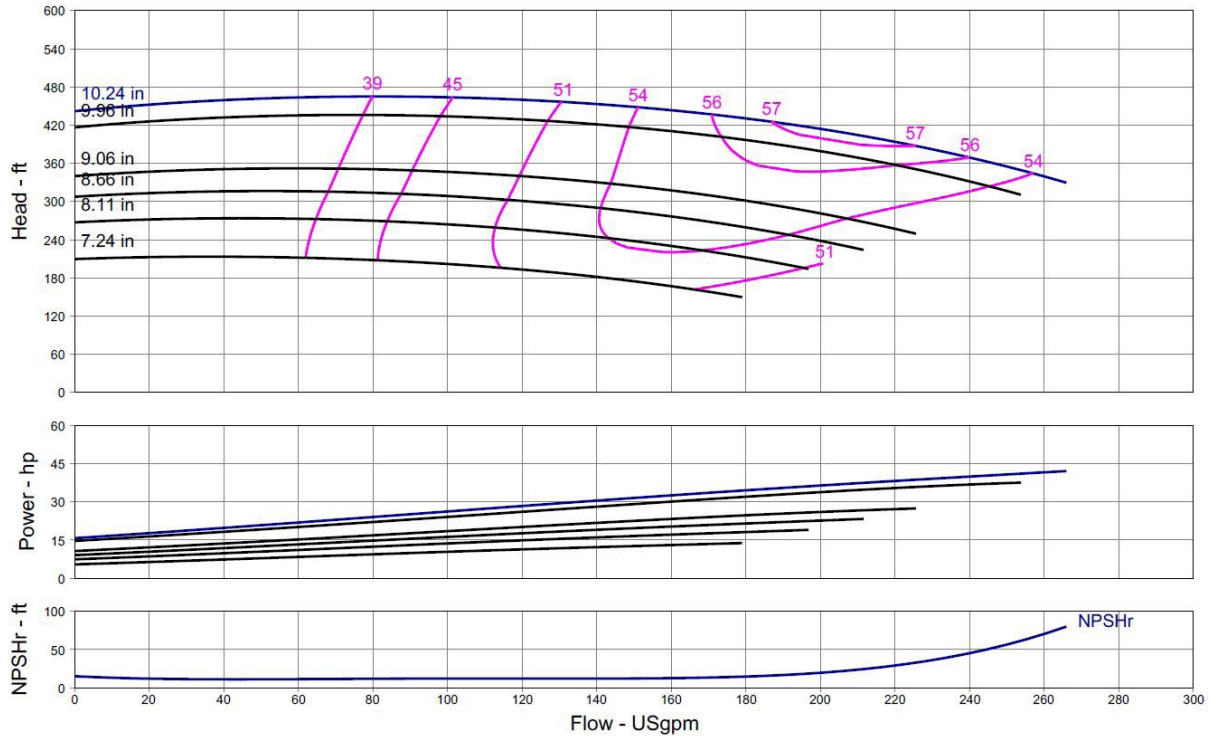


## NL-HE 2 x 1 1/4 x 10 (2 Pole)



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

Tag #	Model #	Flow (USGPM)	Head (Feet)	HP	Enclosure	Frame	Cycle	Phase	Voltage	RPM
	NL-HE 2 x 1 1/4 x 10						60Hz	3		



Technical Data	
PEI	
0.83	
Approved Fluids	
Heating Water	
Cooling and cold water	
Pressure /Temperature Ratings	
Ambient Temperature:	+5 °F to +104 °F (-15 °C to +40 °C)
Max Working Pressure & Temperature:	189 psi (up to 284 °F Fluid Temperature) 232 psi (up to 248 °F Fluid Temperature)
Water-Glycol Mixtures for 20-40% glycol and fluid temp ≤ 104°F (40°C)	

Materials of Construction	
Pump Housing	EN-GL-250 Gray Cast Iron
Impeller	EN 1.4408 Cast Stainless Steel
Impeller (optional)	CC480K Bronze or EN-GJL 1030 Cast Iron
Pump Shaft	1.4021 + QT700 Stainless Steel
Mechanical Seal	Carbon/silicon carbide/EPDM (E1)
Other Mechanical Seals	Avail. on request
Additional Spacer Coupling	Avail. on request
Other:	

Approval Stamp

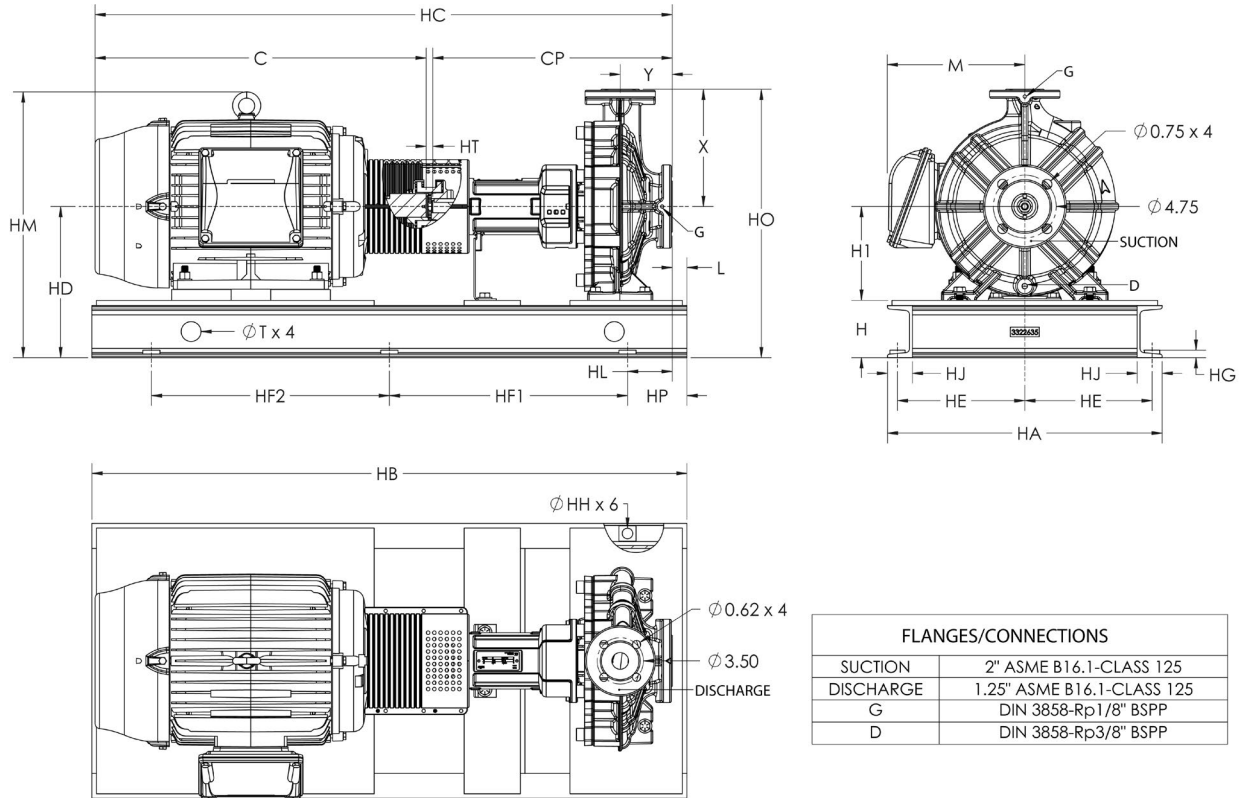
# Submittal Data Sheet

## Wilo NL-HE - Base Mounted End Suction Pumps



### Dimensions & Weights

#### Wilo NL-HE



FLANGES/CONNECTIONS	
SUCTION	2" ASME B16.1-CLASS 125
DISCHARGE	1.25" ASME B16.1-CLASS 125
G	DIN 3858-Rp1/8" BSPP
D	DIN 3858-Rp3/8" BSPP

#### NL-HE 2 x 1 1/4 x 10

Motor								Dimensions - Inches																							
HP	ENCL	Frame	Volt	RPM	EFF	PF	H	H1	X	HD	HO	HM	M	HA	HE	HG	HJ	Y	HT	HC	C	CP	L	HL	T	HH	HP	HF1	HF2	HB	Wt. (lb)
15	ODP	213/5T	208-230/460	3535	90.2	0.89	4.3	7.1	8.9	11.4	20.3	16.3	8.0	17.3	7.9	0.57	1.9	3.9	0.50	36.4	17.8	18.1	1.01	3.49	1.50	0.80	4.5	15	15	39	387
15	TEFC	254/6T	208-230/460	3530	91	0.88	4.3	7.1	8.9	11.4	20.3	20.1	10.5	20.8	9.6	0.57	1.9	3.9	0.50	43.7	25.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	554
15	ODP	213/5T	575	3535	90.2	0.89	4.3	7.1	8.9	11.4	20.3	16.3	8.0	17.3	7.9	0.57	1.9	3.9	0.50	36.4	17.8	18.1	1.01	3.49	1.50	0.80	4.5	15	15	39	386
15	TEFC	254/6T	575	3530	91	0.88	4.3	7.1	8.9	11.4	20.3	20.1	10.5	20.8	9.6	0.57	1.9	3.9	0.50	43.7	25.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	553
20	ODP	254/6T	208-230/460	3525	91	0.87	4.3	7.1	8.9	11.4	20.3	17.2	9.5	20.8	9.6	0.57	1.9	3.9	0.50	39.1	20.5	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	456
20	TEFC	254/6T	208-230/460	3520	91	0.89	4.3	7.1	8.9	11.4	20.3	20.1	10.5	20.8	9.6	0.57	1.9	3.9	0.50	43.7	25.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	579
20	ODP	254/6T	575	3525	91	0.87	4.3	7.1	8.9	11.4	20.3	17.2	9.5	20.8	9.6	0.57	1.9	3.9	0.50	39.1	20.5	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	455
20	TEFC	254/6T	575	3520	91	0.89	4.3	7.1	8.9	11.4	20.3	20.1	10.5	20.8	9.6	0.57	1.9	3.9	0.50	43.7	25.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	578
25	ODP	254/6T	208-230/460	3530	91.7	0.87	4.3	7.1	8.9	11.4	20.3	17.2	9.5	20.8	9.6	0.57	1.9	3.9	0.50	39.1	20.5	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	473
25	TEFC	284/6TS	208-230/460	3545	91.7	0.88	4.3	7.1	8.9	11.4	20.3	20.6	11.1	20.8	9.6	0.57	1.9	3.9	0.50	45.2	26.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	694
25	ODP	254/6T	575	3530	91.7	0.87	4.3	7.1	8.9	11.4	20.3	17.2	9.5	20.8	9.6	0.57	1.9	3.9	0.50	39.1	20.5	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	472
25	TEFC	284/6TS	575	3535	91.7	0.89	4.3	7.1	8.9	11.4	20.3	20.6	11.1	20.8	9.6	0.57	1.9	3.9	0.50	45.2	26.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	692
30	ODP	284/6TS	208-230/460	3545	91.7	0.86	4.3	7.1	8.9	11.4	20.3	20.1	11.9	20.8	9.6	0.57	1.9	3.9	0.50	40.6	22.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	592
30	TEFC	284/6TS	208-230/460	3540	91.7	0.89	4.3	7.1	8.9	11.4	20.3	20.6	11.1	20.8	9.6	0.57	1.9	3.9	0.50	45.2	26.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	712
30	ODP	284/6TS	575	3540	92.4	0.87	4.3	7.1	8.9	11.4	20.3	20.1	11.9	20.8	9.6	0.57	1.9	3.9	0.50	40.6	22.0	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	590
30	TEFC	284/6TS	575	3535	91.7	0.89	4.3	7.1	8.9	11.4	20.3	20.6	11.1	20.8	9.6	0.57	1.9	3.9	0.50	45.2	26.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	711
40	ODP	284/6TS	208-230/460	3540	92.4	0.87	4.3	7.1	8.9	11.4	20.3	20.1	11.9	20.8	9.6	0.57	1.9	3.9	0.50	41.9	23.3	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	636
40	TEFC	324/6TS	208-230/460	3555	92.4	0.89	4.3	8.0	8.9	12.3	21.2	22.7	12.6	20.8	9.6	0.57	1.9	3.9	0.85	48.6	29.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	869
40	ODP	284/6TS	575	3540	92.4	0.87	4.3	7.1	8.9	11.4	20.3	20.1	11.9	20.8	9.6	0.57	1.9	3.9	0.50	41.9	23.3	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	634
40	TEFC	324/6TS	575	3555	92.4	0.89	4.3	8.0	8.9	12.3	21.2	22.7	12.6	20.8	9.6	0.57	1.9	3.9	0.85	48.6	29.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	866
50	ODP	324/6TS	208-230/460	3560	93	0.85	4.3	8.0	8.9	12.3	21.2	22.1	13.4	20.8	9.6	0.57	1.9	3.9	0.85	43.3	24.3	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	720
50	TEFC	324/6TS	208-230/460	3550	93	0.89	4.3	8.0	8.9	12.3	21.2	22.7	12.6	20.8	9.6	0.57	1.9	3.9	0.85	48.6	29.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	892
50	ODP	324/6TS	575	3560	93	0.85	4.3	8.0	8.9	12.3	21.2	22.1	13.4	20.8	9.6	0.57	1.9	3.9	0.85	43.3	24.3	18.1	1.11	3.39	1.50	0.80	4.5	18	18	45	717
50	TEFC	324/6TS	575	3550	93	0.89	4.3	8.0	8.9	12.3	21.2	22.7	12.6	20.8	9.6	0.57	1.9	3.9	0.85	48.6	29.6	18.1	1.11	3.39	1.50	0.80	4.5	20	20	49	888