

# Submittal Data Sheet

Wilo NL-HE – Base Mounted End Suction Pumps

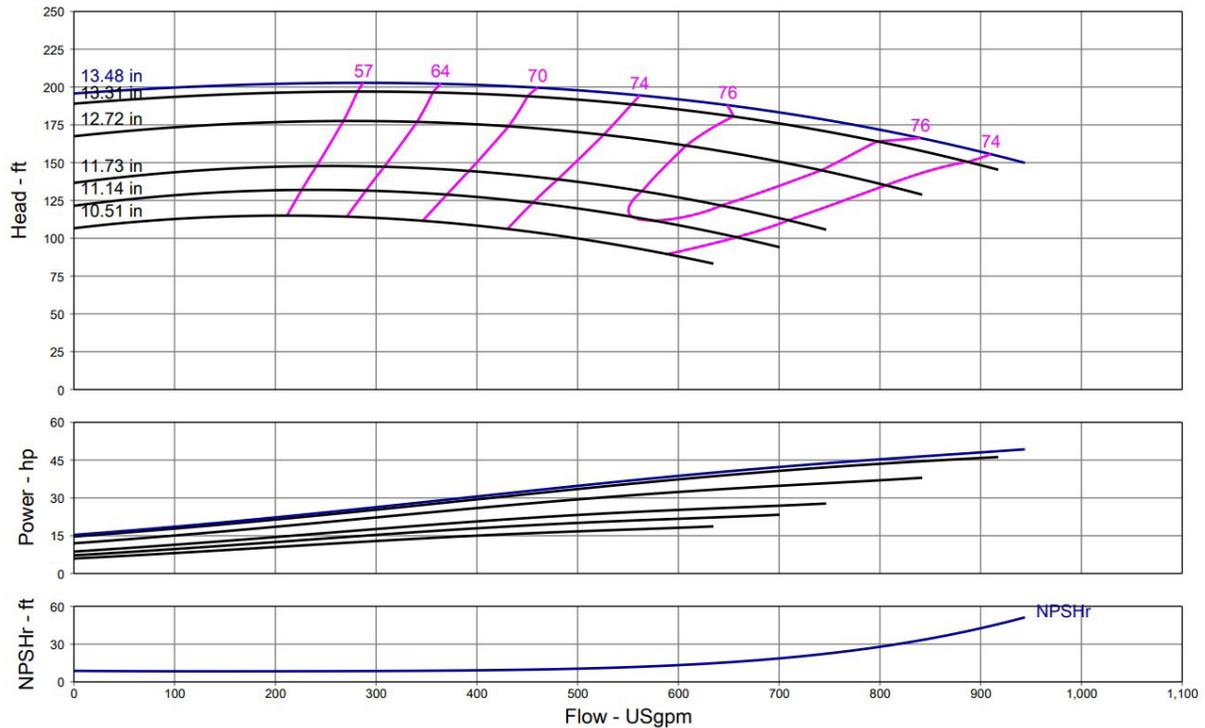


## NL-HE 4 x 3 x 12 (4 Pole)



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

Tag #	Model #	Flow (USGPM)	Head (Feet)	HP	Enclosure	Frame	Cycle	Phase	Voltage	RPM
	NL-HE 4 x 3 x 12						60Hz	3		



Technical Data	
PEI	
0.93	
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

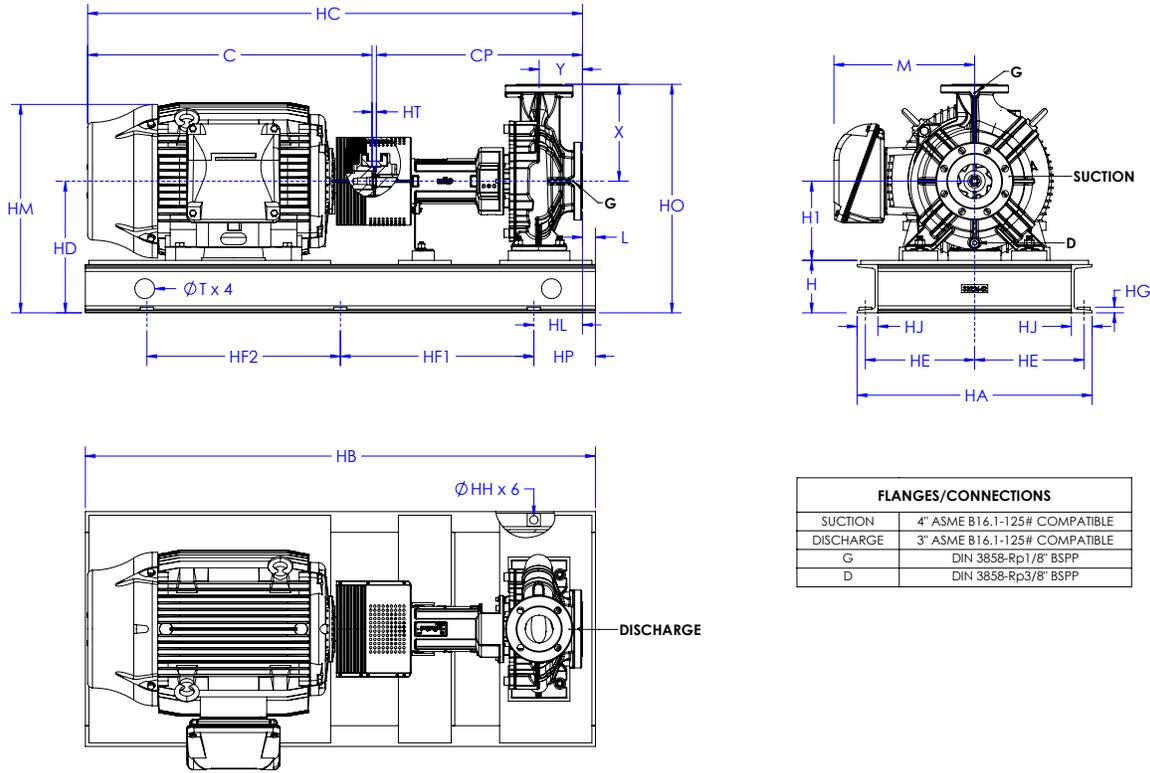
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### Dimensions & Weights

#### Wilo NL-HE



FLANGES/CONNECTIONS	
SUCTION	4" ASME B16.1-125# COMPATIBLE
DISCHARGE	3" ASME B16.1-125# COMPATIBLE
G	DIN 3858-Rp1/8" BSPP
D	DIN 3858-Rp3/8" BSPP

#### NL-HE 4 x 3 x 12

Motor								Dimensions - Inches																								
PEI	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)
0.93	20	ODP	254/6T	208-230/460	1770	93	0.81	5.9	9.8	12.4	15.7	28.1	21.5	9.5	21.7	9.9	0.6	2.4	4.9	0.50	44.4	20.5	23.4	1.0	3.7	2.3	1.0	4.8	19.0	19.0	47.5	699
0.93	20	TEFC	254/6T	208-230/460	1765	93	0.84	5.9	9.8	12.4	15.7	28.1	24.4	10.5	23.7	10.9	0.6	2.4	4.9	0.50	49.0	25.0	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	903
0.93	20	ODP	254/6T	575	1770	93	0.81	5.9	9.8	12.4	15.7	28.1	21.5	9.5	21.7	9.9	0.6	2.4	4.9	0.50	44.4	20.5	23.4	1.0	3.7	2.3	1.0	4.8	19.0	19.0	47.5	698
0.93	20	TEFC	254/6T	575	1765	93	0.84	5.9	9.8	12.4	15.7	28.1	24.4	10.5	23.7	10.9	0.6	2.4	4.9	0.50	49.0	25.0	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	901
0.93	25	ODP	284T	208-230/460	1770	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.5	11.9	23.7	10.9	0.6	2.4	4.9	0.50	47.1	23.2	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	902
0.93	25	TEFC	284/6T	208-230/460	1765	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.9	11.1	23.7	10.9	0.6	2.4	4.9	0.50	51.9	27.9	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	966
0.93	25	ODP	284T	575	1770	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.5	11.9	23.7	10.9	0.6	2.4	4.9	0.50	47.1	23.2	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	901
0.93	25	TEFC	284/6T	575	1765	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.9	11.1	23.7	10.9	0.6	2.4	4.9	0.50	51.9	27.9	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	964
0.93	30	ODP	284/6T	208-230/460	1770	94.1	0.84	5.9	9.8	12.4	15.7	28.1	24.5	11.9	23.7	10.9	0.6	2.4	4.9	0.50	48.6	24.7	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	955
0.93	30	TEFC	284/6T	208-230/460	1765	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.9	11.1	23.7	10.9	0.6	2.4	4.9	0.50	51.9	27.9	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	1010
0.93	30	ODP	284/6T	575	1770	94.1	0.84	5.9	9.8	12.4	15.7	28.1	24.5	11.9	23.7	10.9	0.6	2.4	4.9	0.50	48.6	24.7	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	954
0.93	30	TEFC	284/6T	575	1765	93.6	0.84	5.9	9.8	12.4	15.7	28.1	24.9	11.1	23.7	10.9	0.6	2.4	4.9	0.50	51.9	27.9	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	1008
0.93	40	ODP	324T	208-230/460	1775	94.1	0.84	5.9	9.8	12.4	15.7	28.1	25.5	13.4	23.7	10.9	0.6	2.4	4.9	0.50	49.8	25.8	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	1001
0.93	40	TEFC	324/6T	208-230/460	1770	94.1	0.85	6.0	9.8	12.4	15.8	28.2	26.2	12.6	26.7	12.4	0.6	2.4	4.9	0.76	55.3	31.1	23.4	1.5	5.5	2.3	1.0	7.0	22.0	22.0	58.0	1202
0.93	40	ODP	324T	575	1775	94.1	0.84	5.9	9.8	12.4	15.7	28.1	25.5	13.4	23.7	10.9	0.6	2.4	4.9	0.50	49.8	25.8	23.4	1.0	5.0	2.3	1.0	6.0	20.0	20.0	52.0	999
0.93	40	TEFC	324/6T	575	1770	94.1	0.85	6.0	9.8	12.4	15.8	28.2	26.2	12.6	26.7	12.4	0.6	2.4	4.9	0.76	55.3	31.1	23.4	1.5	5.5	2.3	1.0	7.0	22.0	22.0	58.0	1199