STANCOR Oil-Minder®

Model SE-100 Simplex & Duplex

Pump and Control Systems

Features

- NEMA 4x weathertight corrosion resistant polycarbonate enclosures
- Stainless steel sensor probe with patented electronic technology that repels contamination
- Single direct plug-in power source for operation of entire system
- Solid state components
- Alarms, lights, silence switch, and remote monitoring circuit for oil, high liquid, and high amperage conditions
- Solid state “push to test” switch conveniently performs all pump and control diagnostic tests
- Complete factory assembly and testing insures quality of entire pump and control system
- Patented - Pat. #4,715,785, #4,752,188, #6,203,281 and others pending
- Oil-Minder® System can be combined with a variety of different pumps and valves
- Choice of: 115v, 208 or 220v (1 phase) OR 208v, 230v, 460v (3 phase)
- LED indicator lights for oil spill, power, high liquid level, overload, and pump run
- Factory tested as a fully functioning system

“There Is Only One Oil-Minder® System and Stancor Makes It”

Quality You Can Believe In

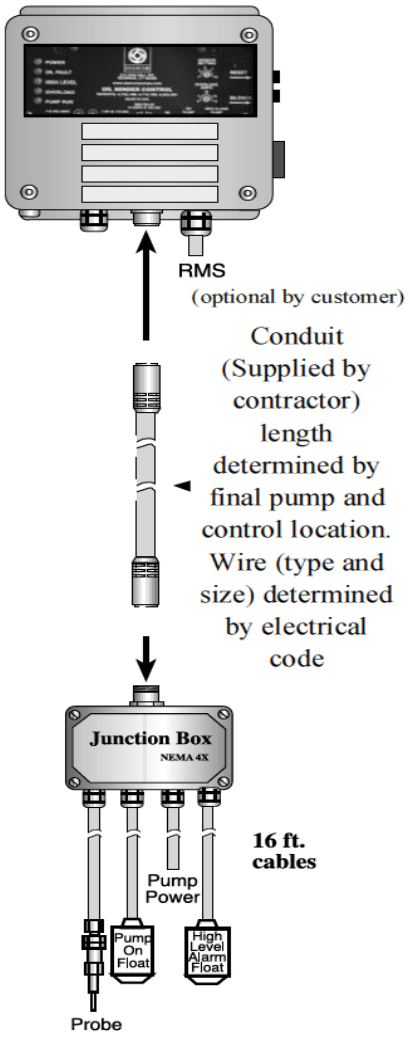
Description of Stancor Duplex Oil-Minder® Systems

The **Stancor Duplex Oil-Minder® System** operates as follows:

The Duplex Oil-Minder® Control alternates each pump upon start-up, assuring equal run time and wear. In the event of heavy inflow, both pumps will operate together until the water level recedes and both pumps are deactivated. The high level/lag pump float will activate an alarm if the water condition continues after a pre-set time point is reached (set for 6 seconds, adjustable between 6 seconds and 10 minutes). An alarm and separate diagnostic LED lights are provided for oil alert, high water, and high amperage (pump overload) conditions. Remote monitoring relays are also provided for alert conditions. A silence and reset switch clears the alarm mode once a fault is addressed. In addition, there are LED lights to "power" the system and to indicate "pump 1" and "pump 2" activation. As with all Stancor Oil-Minder® Systems, oil is contained in the sump while water is pumped on a fully automatic basis, assuring protection of the environment, personnel, and valuable equipment–even during an alarm condition.

Features included in standard package	O/M SMPLX	O/M DPLX
Solid state NEMA 4x control panel	x	x
Separate LED indicator lights on NEMA 4x control for A) oil alert, B) high water, C) high motor amps, D) power to system, and E) pump activation	x	x
Self cleaning, hermetically sealed stainless steel oil detection probe (patented technology)	x	x
Float switches for pump activation and high water alert	x	x
Separate oil and water monitoring relays for alert conditions at remote locations	x	x
High decibel, water tight horn and silence switch for alert conditions	x	x
Direct plug-in activation of entire pump and control system from the main control panel (6' cord and molded plug included, single phase systems)	x	x
Factory hard wiring of pump, oil probe, and floats into NEMA 4x junction box, when spec'd	x	x
Factory hard wiring of pump, oil probe, and floats directly into main NEMA 4x control panel when spec'd	x	x
Automatic alternator for lead/lag operation		x
"Push to Test" button on panel for all pump and control diagnostic functions	x	x

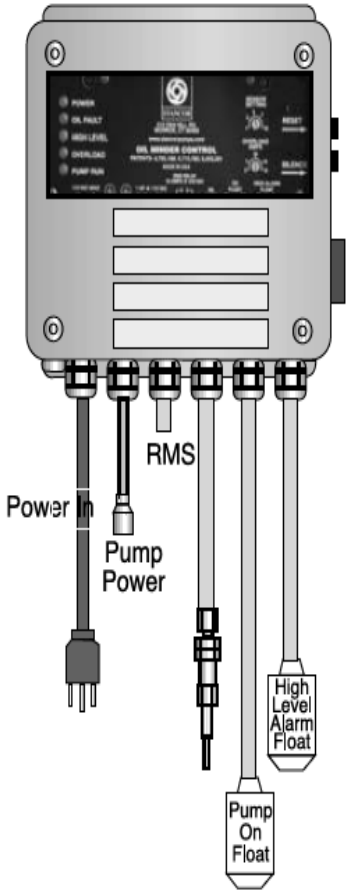
Oil Minder® J-Box applications



With Selected Pump

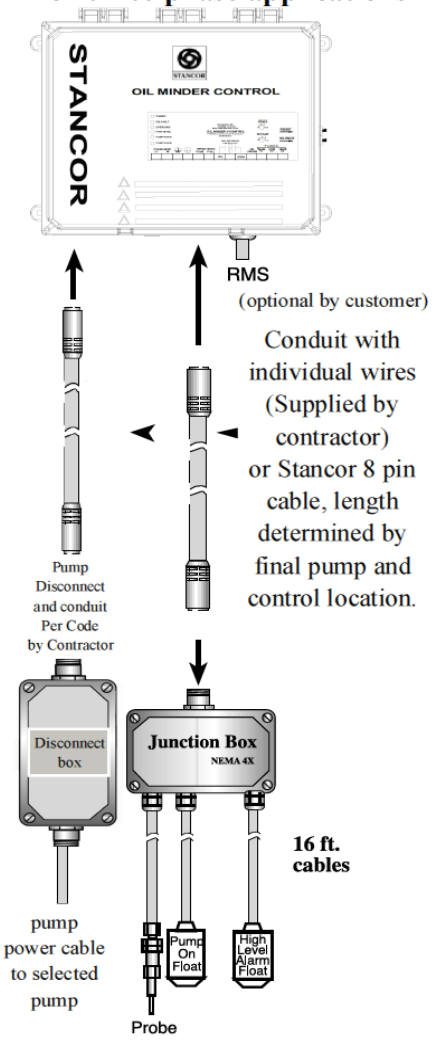
SE-100,
SE-100 HH

Oil Minder Direct Wire



With Selected Pump

Oil Minder® J-Box option with pump disconnect for three phase applications



With Selected Pump

SE-100, three phase

SE-100 HH Pump Data:

Discharge	2” NPT
Impeller type	Semi open
Strainer openings	1/2”
Pump weight	43 lbs

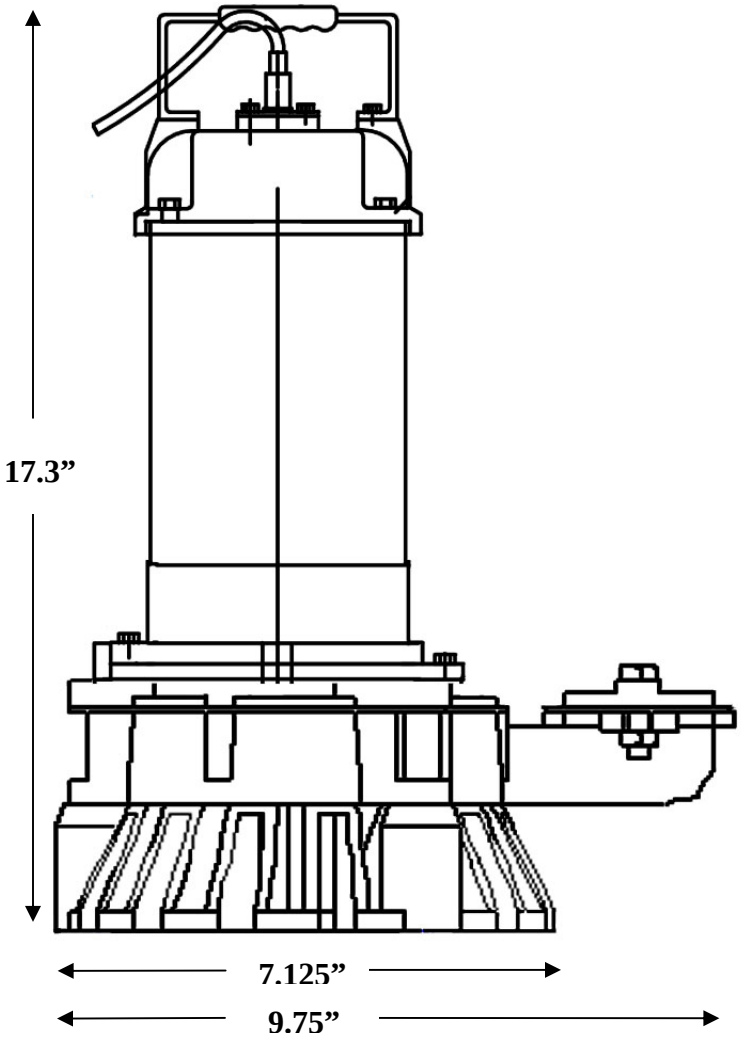
Motor Data;

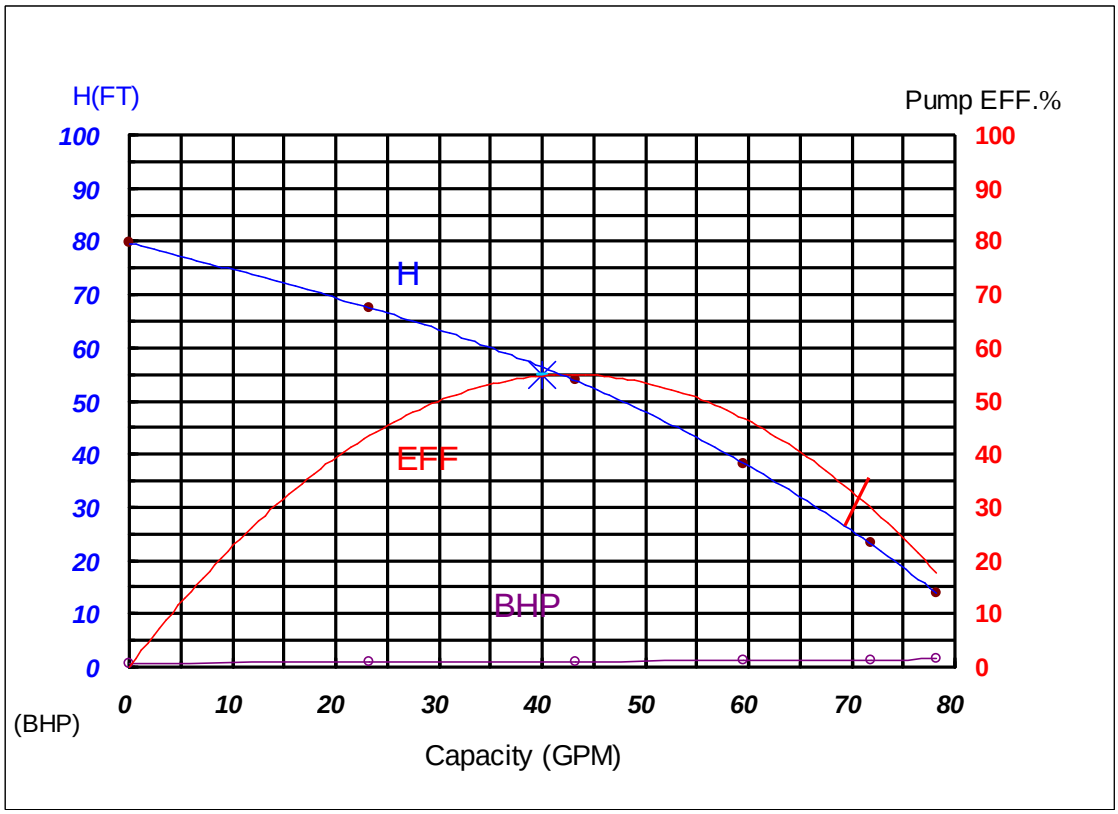
Motor rating	1 HP
Voltage single phase	115/230
Amps single phase	15/6
Voltage three phase	230/460
Amps three phase	3/1.5
Motor RPM	3450
Insulation class	F

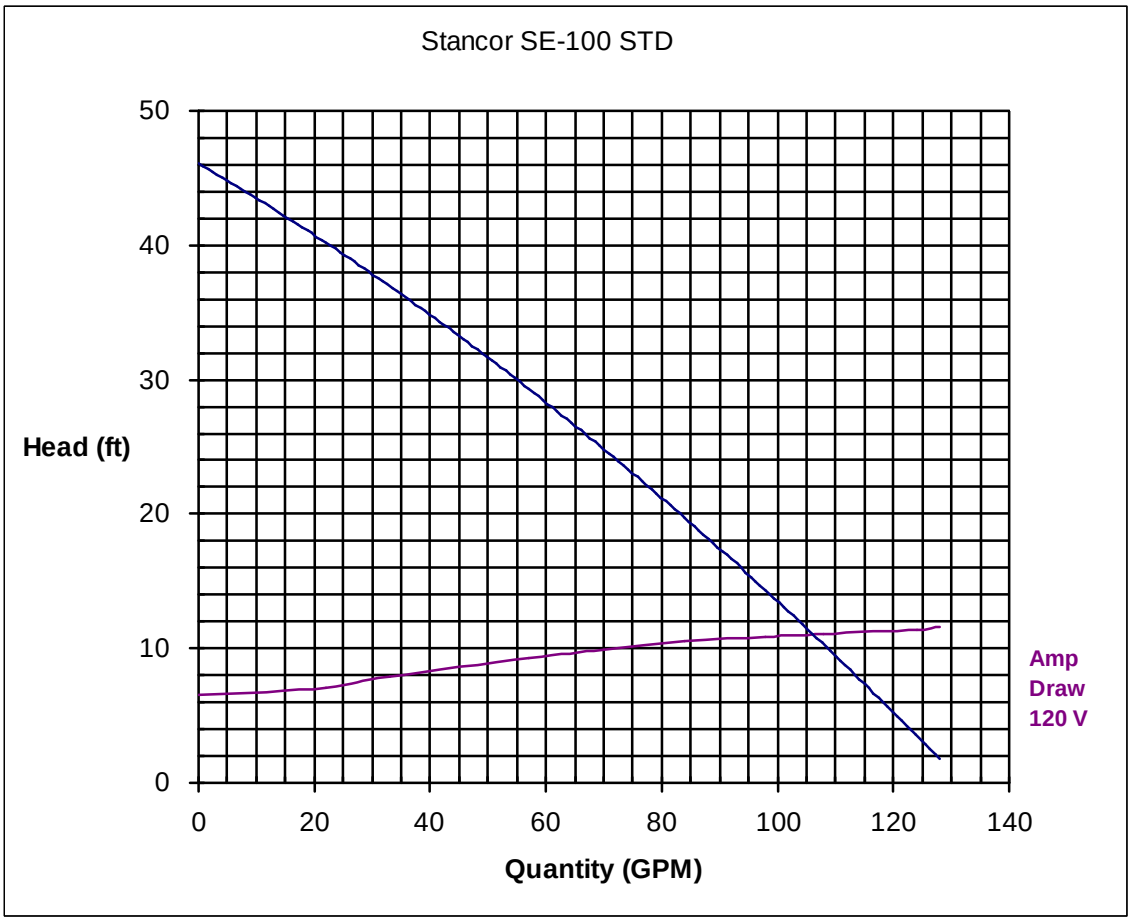
Construction Materials:

Motor housing	Cast iron
Impeller	Cast iron
Diffuser	Cast iron
Fasteners	Stainless steel
Strainer	PVC
Mechanical seals	Carbon/ceramic
Cable	PVC jacket
Elastomers	Buna®

Not recommended for use under 30’ TDH







Additional Pump Selections

ASME A 17.1 Section 2.2.2.5 (2007) requires that, for each building elevator, the elevator sump pump shall be capable of pumping at least 3,000 gallons per hour. Therefore, after considering vertical lift and pipe friction losses, a larger pump selection may be necessary for certain projects.

No matter what the pump capacity requirement may be, Stancor has an Oil-Minder® System that will do the job.

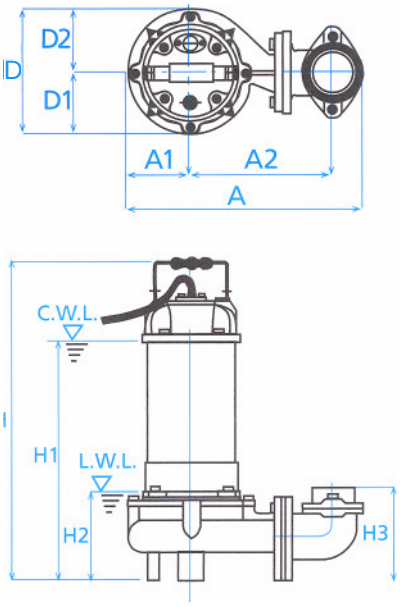
Please refer to the chart below for additional commonly specified pump selections. Stancor manufactures pumps up to 75 HP, details of which can be found at www.stancorpumps.com.

Specifications	Output		Discharge		Rated		Cable
Pump & System Model	HP	Voltage	Amps	In.	Max. Head (ft)	Max. Capacity	Length (ft)
SE-40O/M	4/10	115	5	2″	22	64GPM	16
SE-50O/M	1/2	115/220/460	8/4/2	2″	37	74GPM	16
SE-100O/M	1	115/220/460	14/7/3.5	2″	50	100 GPM	33
SE-200 O/M	2	220/230/460	21/10/5.5	2″ (3″)	62	172 GPM	33
SV-300 O/M	3	230/460	9/5.2	3″ (4″)	70	210 GPM	33
SV-500 O/M	5	230/460	15/8.6	3″ (4″)	80	280 GPM	33
SV-750 O/M	7.5	230/460	22.5/12.8	3″ (4″)	90	330 GPM	33

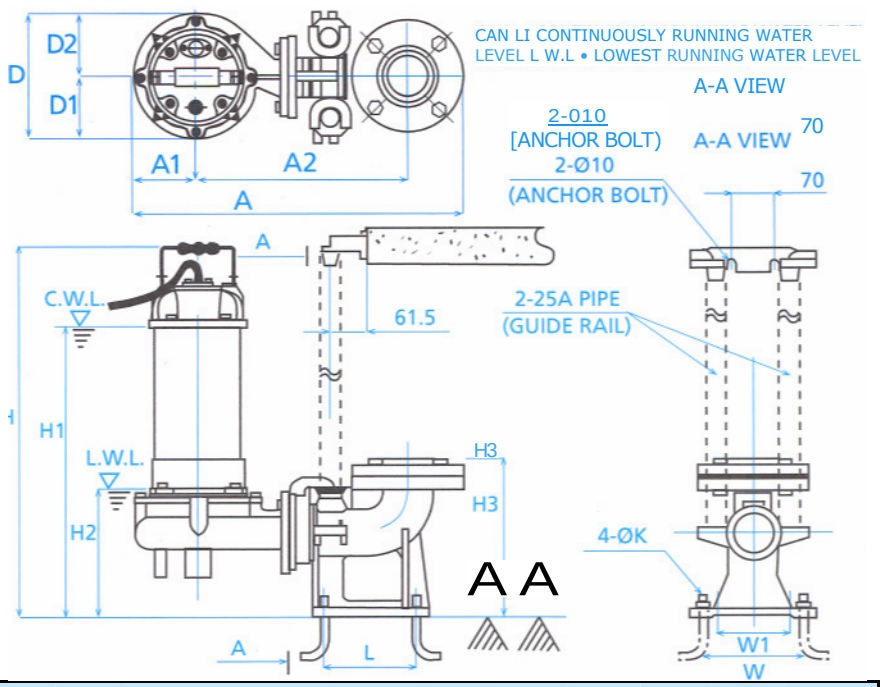
1. Guiderail systems are available for all Stancor pumps
2. Elbow with female threaded connection provided, standard
3. 208V available as special order

DIMENSION DRAWING

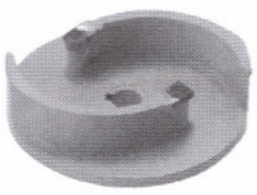
Standard Freestanding Type



Optional Guiderail Type



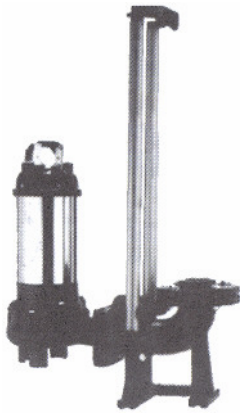
DIMENSION TABLE															
G/R TYPE	PUMP TYPE	OUTPUT HP	DIMENSION (mm) A	Al	A2	0	D1	D2	H	Fll	H2	H3	L	W	W1
N/A	Freestanding	0.5	223	70	115	132	63	69	395	338	125	156	-	-	-
N/A	Freestanding	1	223	70	115	132	63	69	425	368	125	156	-	-	-
N/A	Freestanding	2	390	103	235	210	105	105	530	400	150	155	-	-	-
N/A	Freestanding	3	390	103	235	210	105	105	550	420	150	155		-	-
N/A	Freestanding	5	525	125	295	250	117	133	635	520	200	275	-	-	-
N/A	Freestanding	7.5	525	125	295	250	117	133	675	560	200	275	-	-	-
G/R 200	Guiderail	1	475	80	300	165	77	78	490	390	190	267	150	180	100
G/R 200	Guiderail	2	550	103	350	210	105	105	600	470	216	360	150	180	100
G/R 200	Guiderail	3	550	103	350	210	105	105	620	490	216	360	150	180	100
G/R 750	Guiderail	5	690	125	460	250	117	133	730	585	265	360	230	250	250
0/R 750	Guiderail	7.5	690	125	460	250	117	133	770	625	265	360	230	250	250



Tungsten edge Cutter Impeller

High Efficiency Effluent Impeller

Vortex Non-Clog Impeller



Guiderail Installation

STANCOR

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