

# ESL End Suction Monoblocs

## Construction

Horizontal surface pump sets with specially designed impellers made of cast iron material gives best in class performance. Enamel coated winding made of 99.9% pure copper ensures reliability and value for money. Optimized Aluminium rotor and ventilated fins ensures all round the clock operation.

### Applications

- Agriculture
- Domestic Building Services
- Commercial Building Services
- Public Utilities

### Operating Conditions

- Liquid temperature : upto 33 °C
- Total Solids : 3000ppm (Max.)
- Durability : 50ppm (Silica Scale Max.)
- Continuous duty

### Water filled Rewindable motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- For three Phase 440V
- Voltage tolerances : +6% -15%
- Insulation class : B

### Special features

- Noiseless Operation
- Easy to dismantle and Rewindable
- Low voltage operation
- Easy Handling

## MATERIAL SPECIFICATIONS

### PUMP

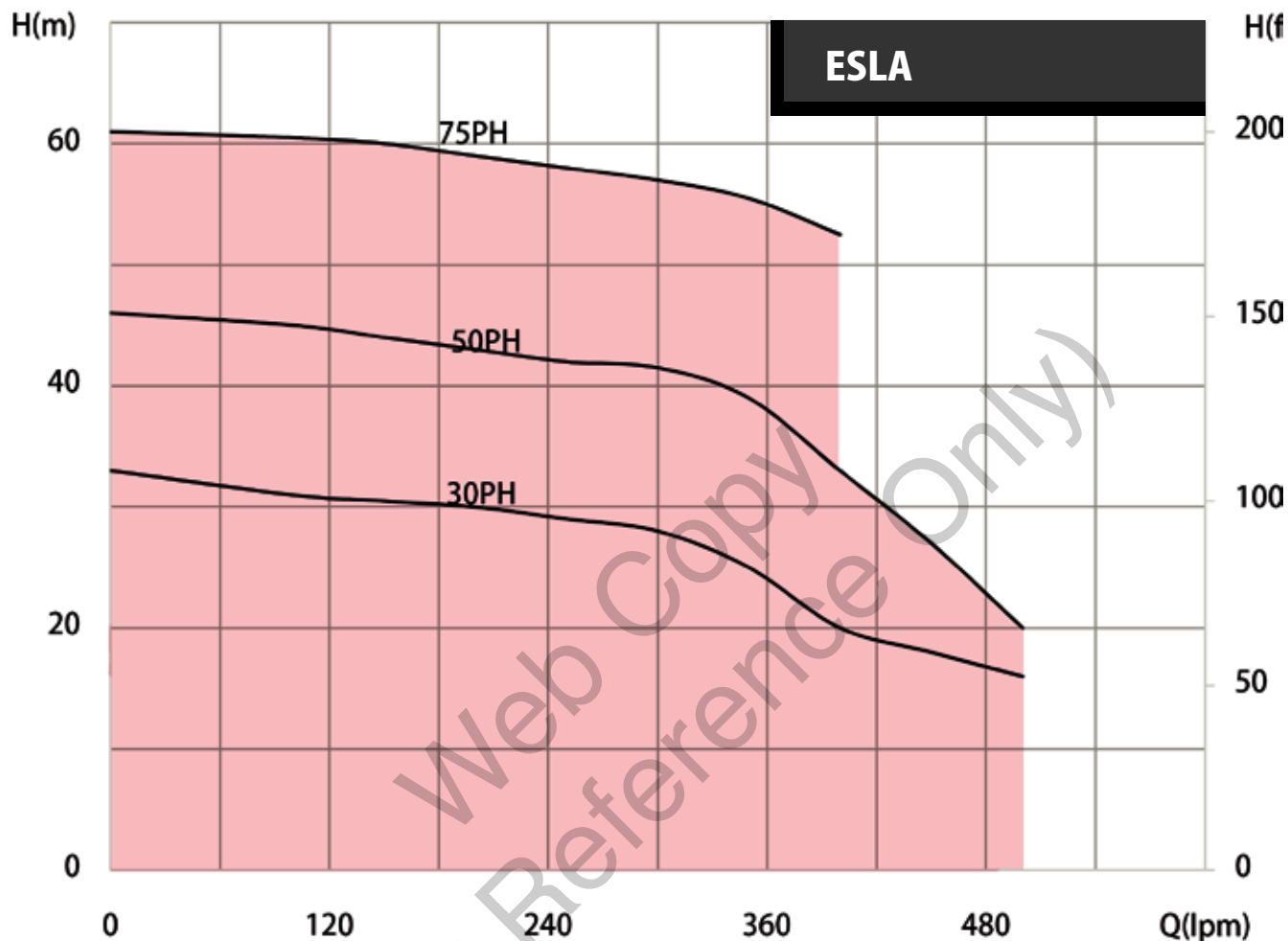
Components	Materials
Volute Casing	Cast Iron FG 200
Impeller	Cast Iron FG 200
Yoke	Cast Iron FG 200
Flange	SG 400/12
Strainer	SS 202
Seal	Packing Rope

### MOTOR

Components	Materials
Cooling cover	Cast Iron FG 200
Back cover	Cast Iron FG 200
Body	Cast Iron FG 200
Middle Bracket	Cast Iron FG 200
Rotor shaft	EN8
Thrust bearing	Ball bearing



## Characteristic Curves

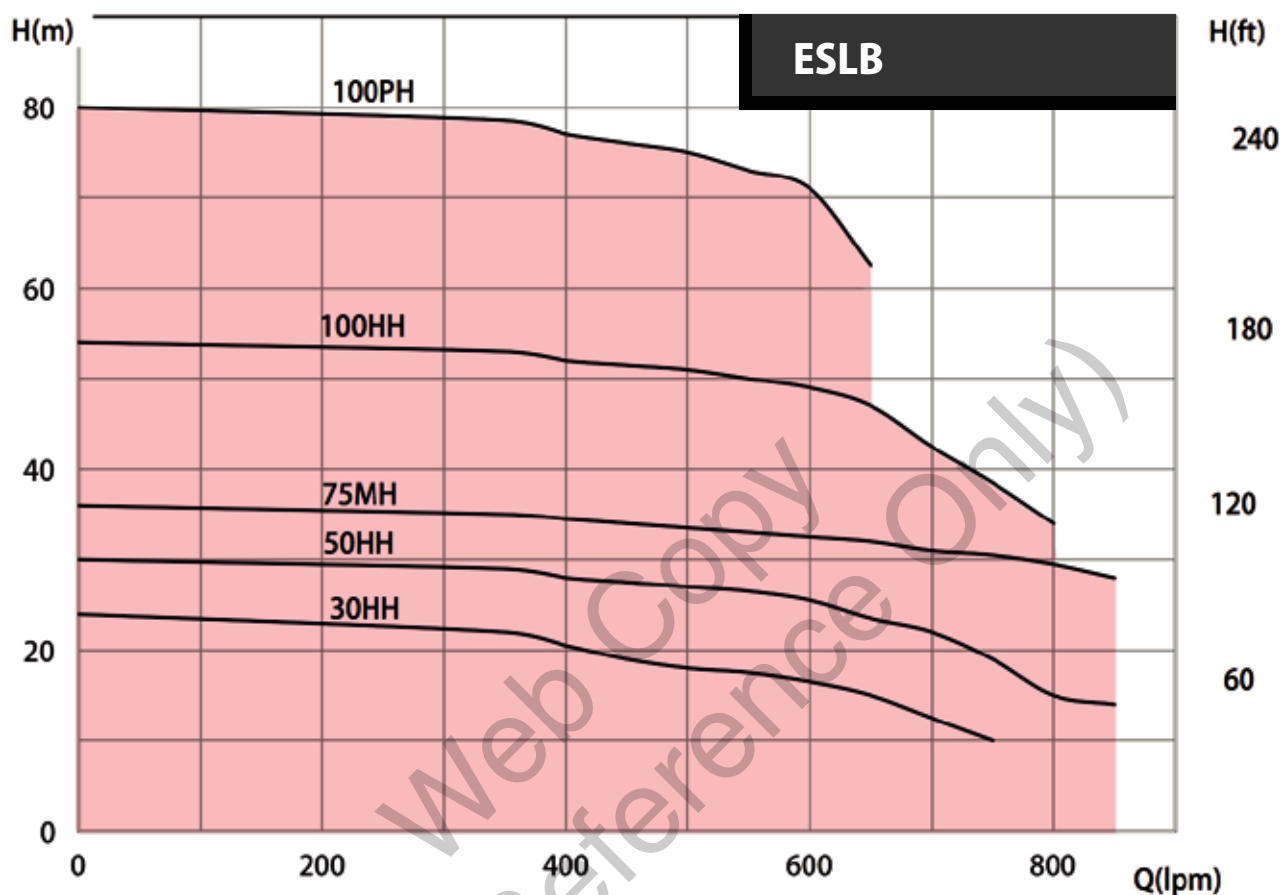


## Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Total Head in meters	Q - m <sup>3</sup> /hr	0	6	9	12	15	18	21	24	27	30	DNM
					Q - l/min	0	100	150	200	250	300	350	400	450	500	
ESLA30PH/1	3.0	2.2	T			33	31	30.5	30	29	28	25	20	18	16	2.5" x 2"
ESLA50PH/1	5.0	3.7	T			46	45	44	43	42	41.5	39	33	27	20	2.5" x 2"
ESLA75PH/1	7.5	5.5	T			61	60.5	60	59	58	57	55.5	52.5	-	-	2.5" x 2"

\* M - Single Phase, T - Three Phase, Q - Discharge, DNM - Nominal Diameter

## Characteristic Curves

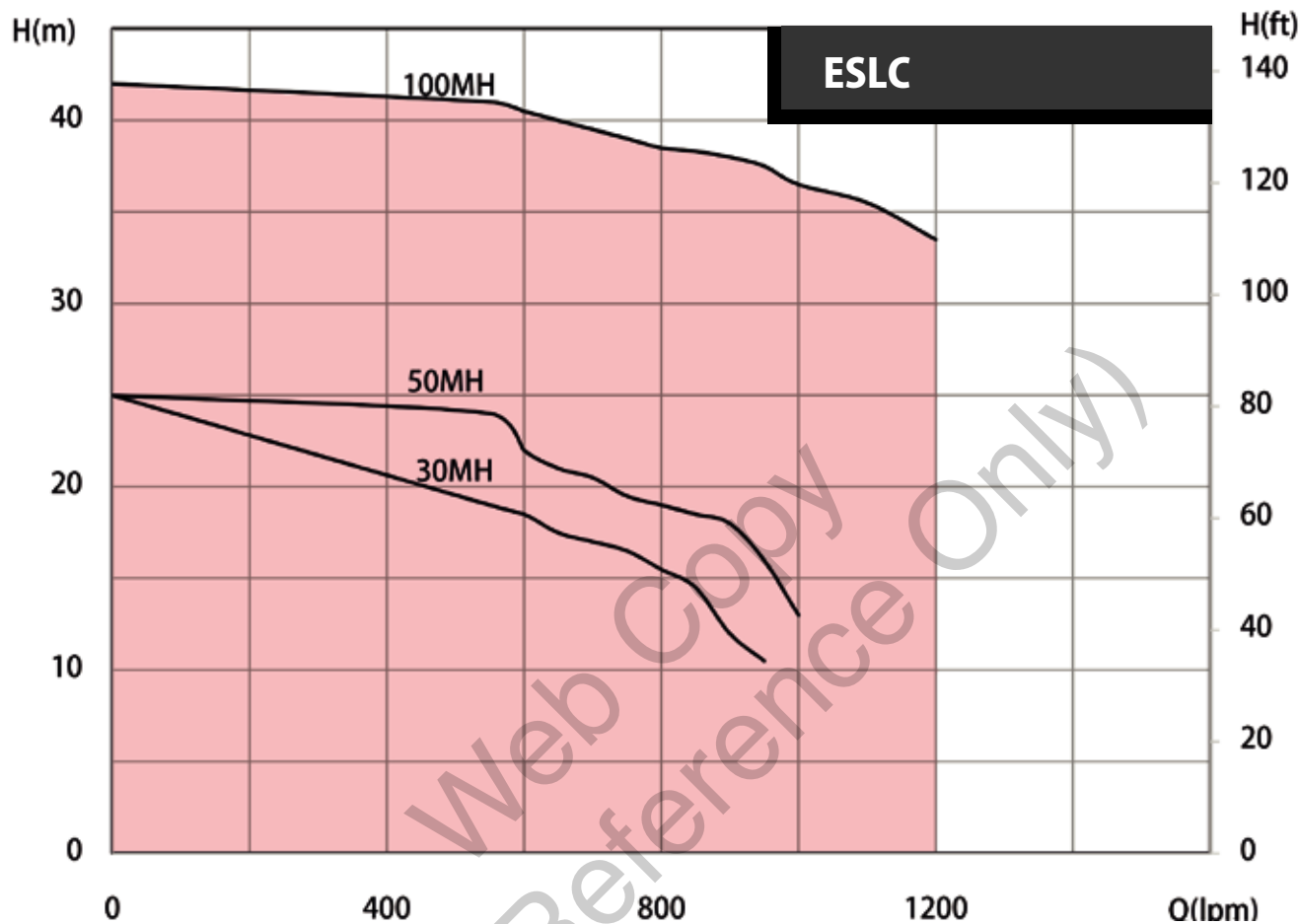


## Hydraulic Performance & Dimensions

Product Code	HP	kW	PHASE	Q - m <sup>3</sup> /hr	0	21	24	27	30	33	36	39	42	45	48	51	DNM
				Q - l/min	0	350	400	450	500	550	600	650	700	750	800	850	
ESLB30HH	3.0	2.2	T	Total Head in meters	24	22	20.5	19	18	17.5	16.5	15	12.5	10	-	-	2.5" x 2"
ESLB50HH	5.0	3.7	T		30	29	28	27.5	27	26.5	25.5	23.5	22	19	15	14	2.5" x 2"
ESLB75MH	7.5	5.5	T		36	35	34.5	34	33.5	33	32.5	32	31	30.5	29.5	28	3" x 2.5"
ESLB100PH	10.0	7.5	T		80	78.5	77	76	75	73	71	62.5	-	-	-	-	2.5" x 2"
ESLB100HH	10.0	7.5	T		54	53	52	51.5	51	50	49	47	42.5	38.5	34	-	2.5" x 2"

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## Characteristic Curves

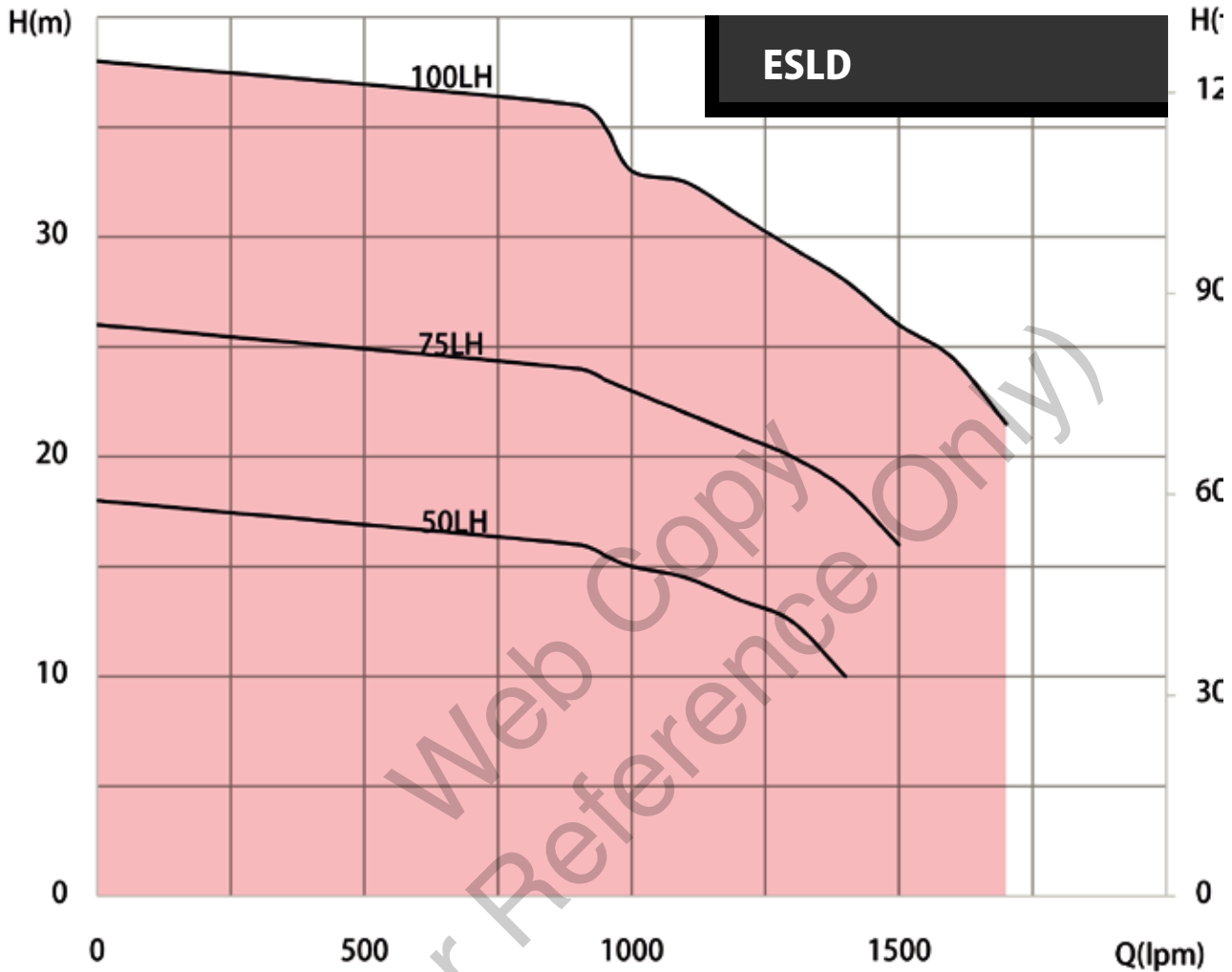


## Hydraulic Performance & Dimensions

Product Code	HP	kW	PHASE	Q - m <sup>3</sup> /hr	0	33	36	39	42	45	48	51	54	57	60	66	72	DNM
				Q - l/min	0	550	600	650	700	750	800	850	900	950	1000	1100	1200	
ESLC30MH	3.0	2.2	T	Total Head in meters	25	19	18.5	17.5	17	16.5	15.5	14.5	12	10.5	-	-	-	3" x 2.5"
ESLC50MH	5.0	3.7	T		25	24	22	21	20.5	19.5	19	18.5	18	16	13	-	-	3" x 2.5"
ESLC100MH	10.0	7.5	T		42	41	40.5	40	39.5	39	38.5	38.3	38	37.5	36.5	35.5	33.5	3" x 2.5"

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### Characteristic Curves



### Hydraulic Performance & Dimensions

Product Code	HP	kW	Phase	Q - m <sup>3</sup> /hr	0	54	57	60	66	72	78	84	90	96	102	108	114	DNM
				Q - l/min	0	900	950	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	
ESLD50LH	5.0	3.7	T	Total Head in meters	18	16	15.5	15	14.5	13.5	12.5	10	-	-	-	-	-	4" x 3"
ESLD75LH	7.5	5.5	T		26	24	23.5	23	22	21	20	18.5	16	-	-	-	-	4" x 3"
ESLD100LH	10.0	7.5	T		38	36	35	33	32.5	31	29.5	28	26	24.5	21.5	-	-	4" x 3"

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