

Centrifugal Pump



End Suction SERIES

Horizontal Single-stage End-suction Centrifugal Pump

ISO SERIES

Horizontal Single-stage End-suction Centrifugal Pump

EGM SERIES

Vertical Inline Pump

EHS SERIES

Horizontal Single-stage Split Case Pump

ESL SERIES

Vertical Double-suction Split Case Pump

ABOUT MAC-TECH ENGINEERING

NEW VISION
AESTHETIC VALUE

Founded on 17th October 1986, Mac-Tech Engineering has established itself as a trusted leader with over 35 years of expertise in delivering high-quality domestic and industrial water pump solutions. We specialize in providing a wide range of systems for air conditioning, fire protection, and cold and hot water applications, ensuring reliable and efficient performance for every project.

We pride ourselves on our commitment to quality and customer satisfaction. As such, we have a dedicated team focused on ensuring optimal pump performance, offering comprehensive backup services and technical assistance. At Mac-Tech Engineering, we provide expert guidance throughout all project phases, ensuring that our clients receive tailored solutions for their needs.

In addition, our subsidiary, Mac-Tech Maintenance, is devoted to the maintenance and servicing of all pumps sold, ensuring the longevity and efficiency of every system. With a reputation for excellence and a customer-first approach, Mac-Tech Engineering remains the go-to partner for reliable and innovative pump system solutions.



MAC-TECH ENGINEERING SDN. BHD. (156877-M)

MAC-TECH MAINTENANCE SDN. BHD. (623852-W)

No. 21 & 23, Jalan 3/118C, Desa Tun Razak Industrial Park, Cheras, 56000 Kuala Lumpur, West Malaysia.

Tel: (6) 03-9173 2606 (Huting Line), 9173 2601, 9173 2602, 9173 2603 Fax: (6) 03-9173 2893, 9173 2755

Email: enquiry@mac-tech.com.my <http://www.mac-tech.com.my>



PENTAIR
FAIRBANKS NIJHUIS®

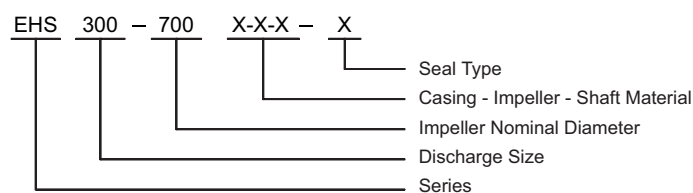
Company Information



Description & Features

Ebsray EHS series split casing pumps are designed with double suctions. This kind of pumps are of high flow rate, high efficiency, stable operation, low noise and long service life, easy to install and maintain. Widely used in plant, mine, city water supply, irrigation, HVAC and vessel industry.

Model Instruction:



Material Code

C: Cast Iron	S304: ASTM 304
Q: Ductile Iron	S316: ASTM 316
B: Bronze	Seal Type:
S: ASTM 420	M: Mechanical Seal
45: ASTM 1045	P: Gland Packing

Design & Structure

Design	Performance referring to GB/T5657-95, Q/ FZEF 001-2014 Standard
Structure	Single-Stage, Double-Suction, Split-Casing
DN (mm)	50~350
Flange	DIN2501 PN16 ; PN25(on request)

Material

Part	Standard Material	Options on request
Casing	Cast Iron	Ductile Iron
Impeller	Bronze	Cast Iron / ASTM304(CF8) / ASTM316(CF8M)
Shaft	ASTM1045	ASTM304 / ASTM316 / ASTM420
Shaft Seal	Mechanical Seal	Gland Packing

Applications

- Fire Fighting System
- HVAC and Cooling Tower
- Municipal Water Supply
- Pump Station
- Industrial water supply system

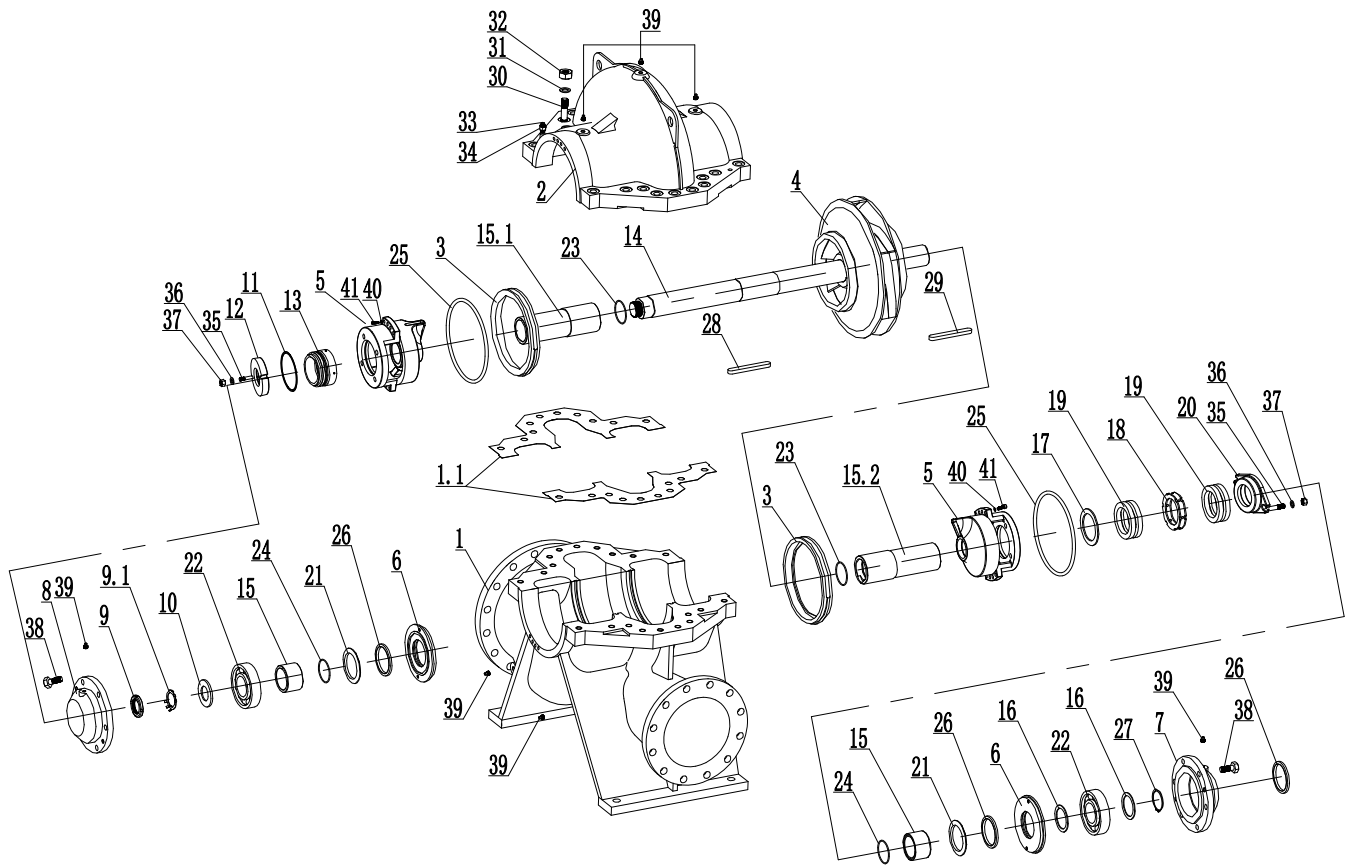
Operating Data

Flow Rate(Q)	36~3400m³/h
Head(H)	8~190 m
Speed	1480 or 2980 rpm (50Hz) / 1780 or 3580 rpm (60Hz)
Max Temperature	85°C(standard) ; 105°C(on request)
Working Pressure	1.6MPa(standard) ; 2.5MPa(on request)
Conveying Medium	Clean water or liquids similar to clean water in physical property

EHS Series

Split Casing Pump

EHS Series Explode View & List of Parts

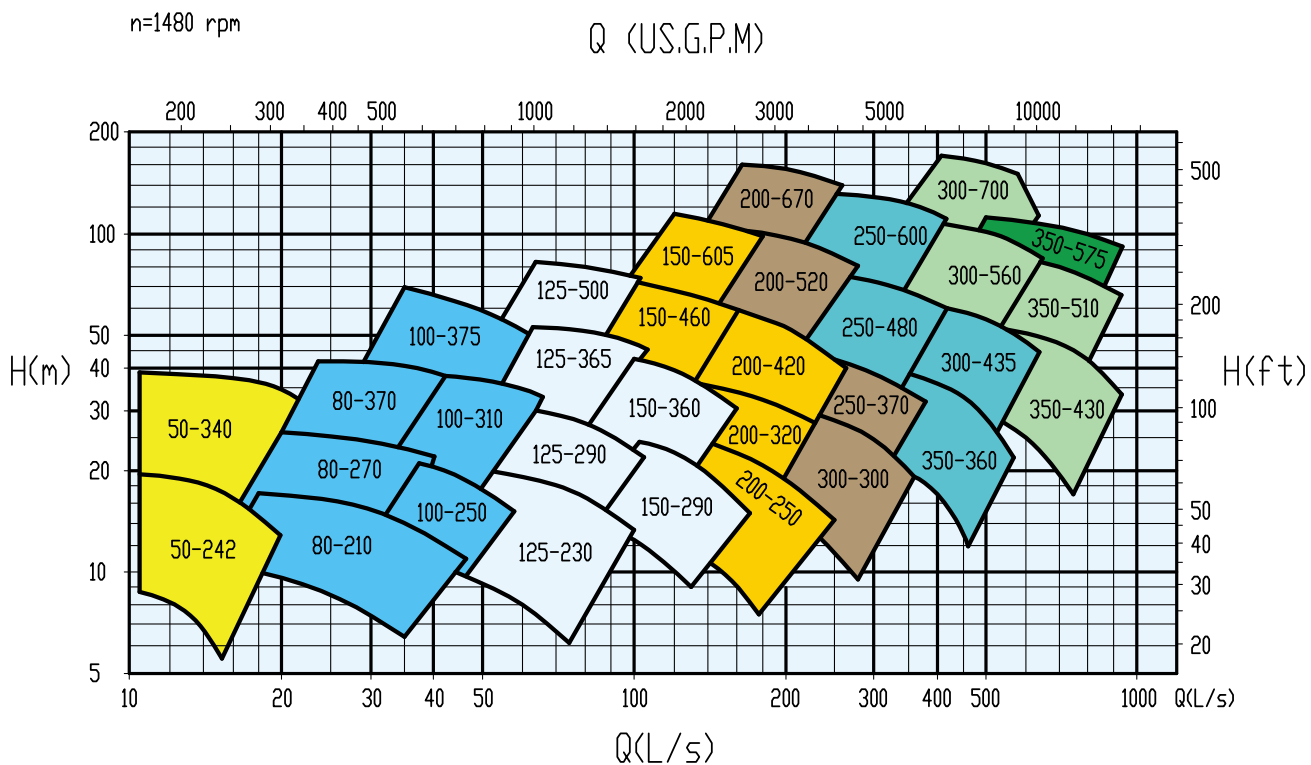
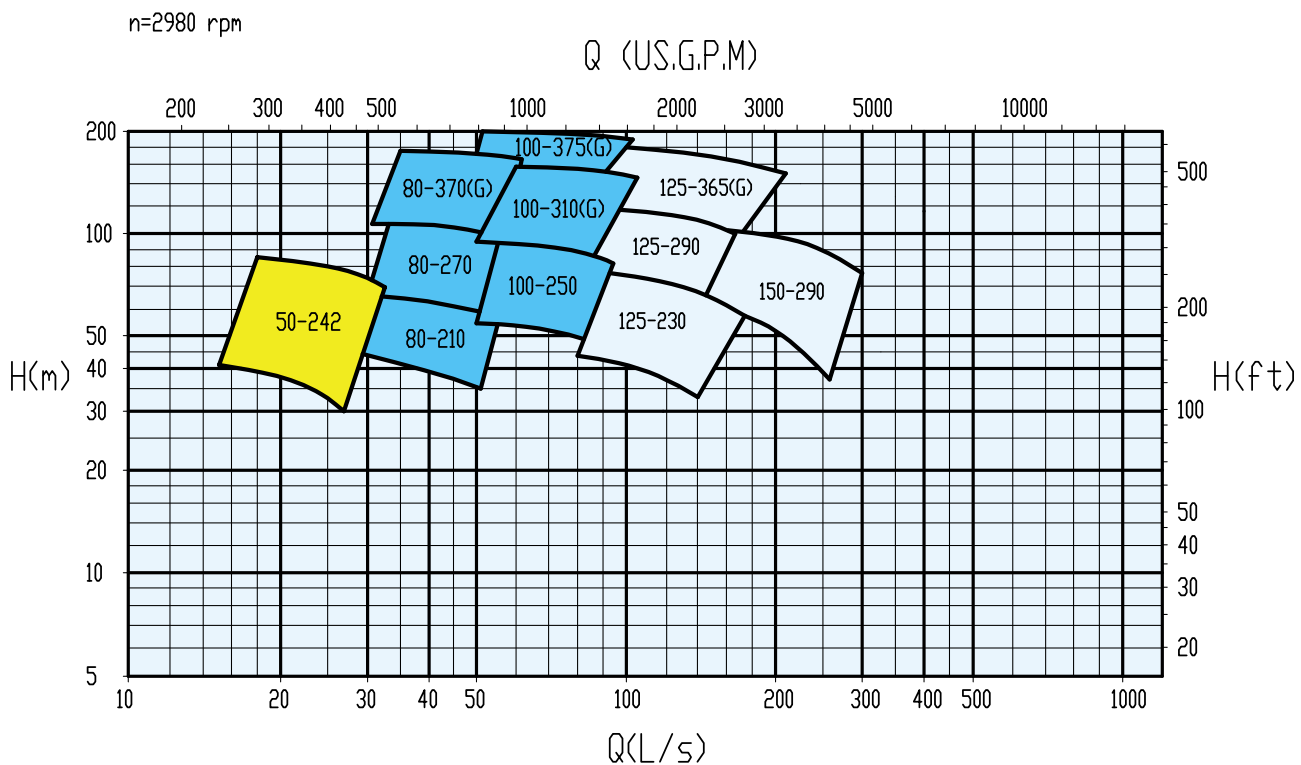


Code	Part Name
01	Casing-Bottom
01.1	Casing Gasket
02	Casing-Top
03	Wear Ring
04	Impeller
05	Seal Frame
06	Bearing Cover
07	Bearing Frame-Driving End
08	Bearing Frame-Non-driving End
09	Screw Nut
09.1	Lock Washer for Nut
10	Bearing Slinger
11	O-Ring
12	Seal Cover
13	Mech. Seal

Code	Part Name
14	Shaft
15	Shaft Sleeve-Short
15.1	Shaft Sleeve
15.2	Packing Shaft Sleeve
16	Bearing Seal Plate
17	Packing Seal Plate
18	Lantern Ring
19	Gland
20	Packing Cover
21	Slinger
22	Ball Bearing
23	O-ring
24	O-ring
25	O-ring
26	Felting

Code	Part Name
27	External Circlips
28	Key
29	Key
30	Screw Bolt
31	Spring Washer
32	Screw Nut
33	Pin
34	Screw Nut
35	Screw Bolt
36	Spring
37	Screw Nut
38	Bolt
39	Plug
40	Bolt
41	Spring Washer

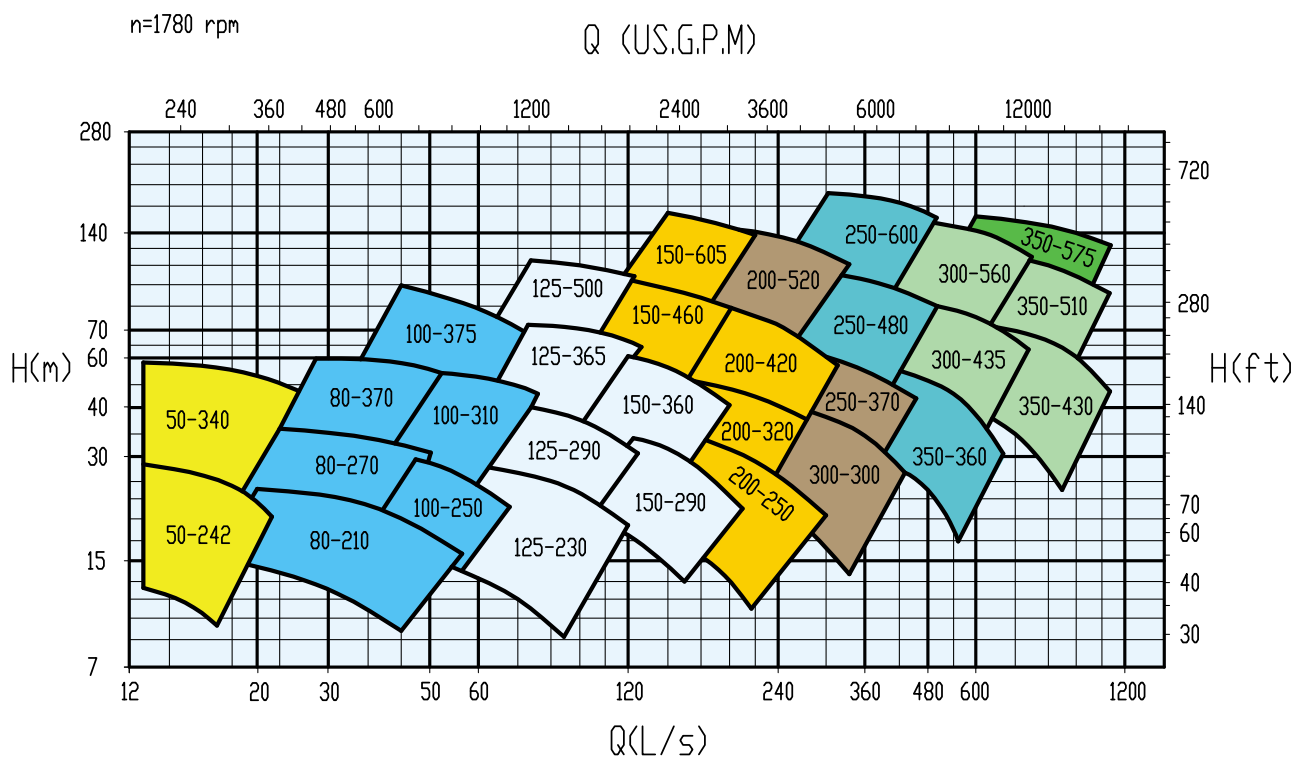
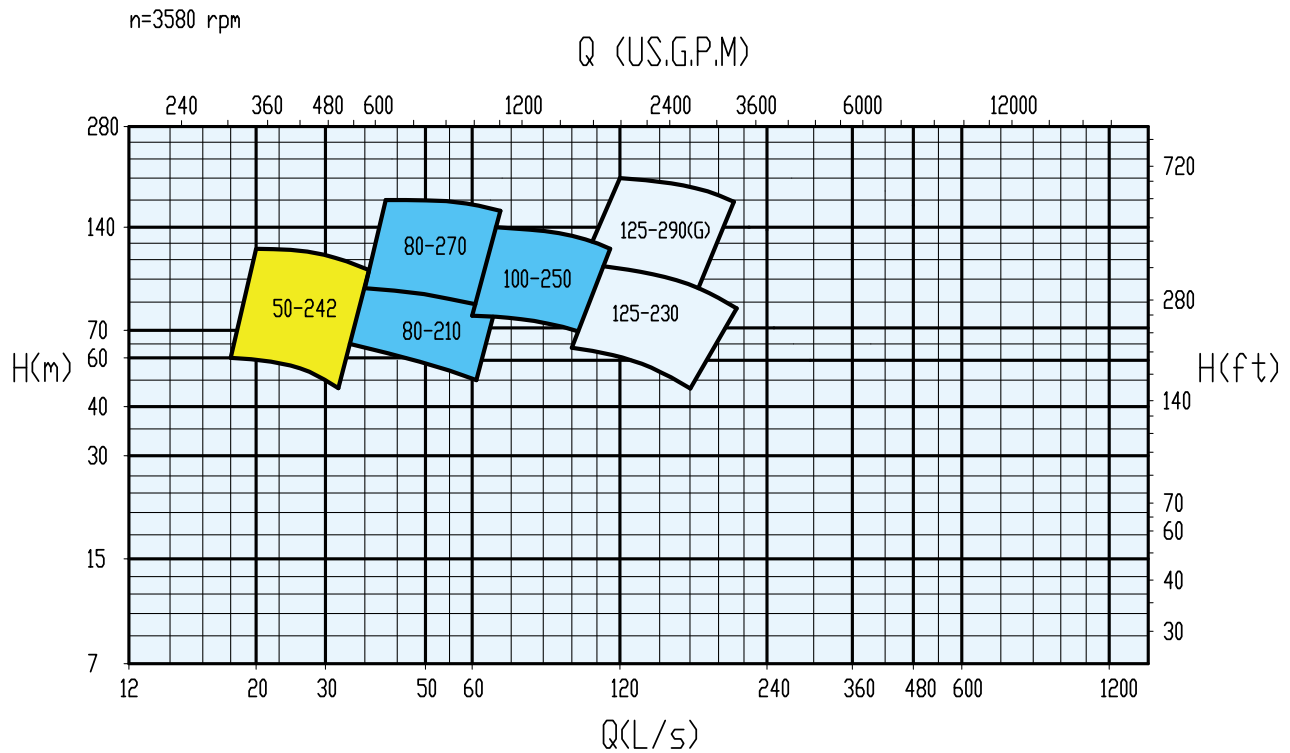
EHS Series-50Hz Performance



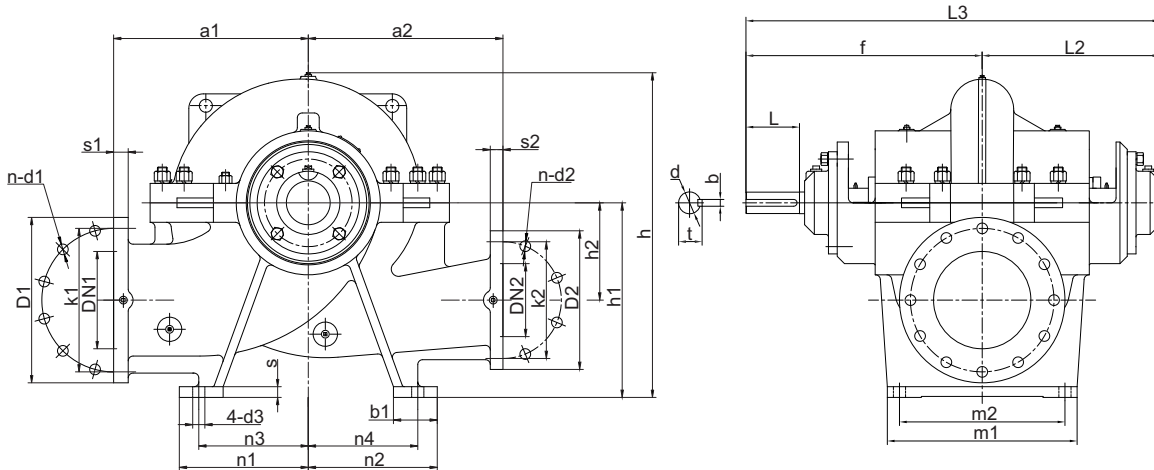
EHS Series

Split Casing Pump

EHS Series-60Hz Performance



EHS Series Installation Dimensions



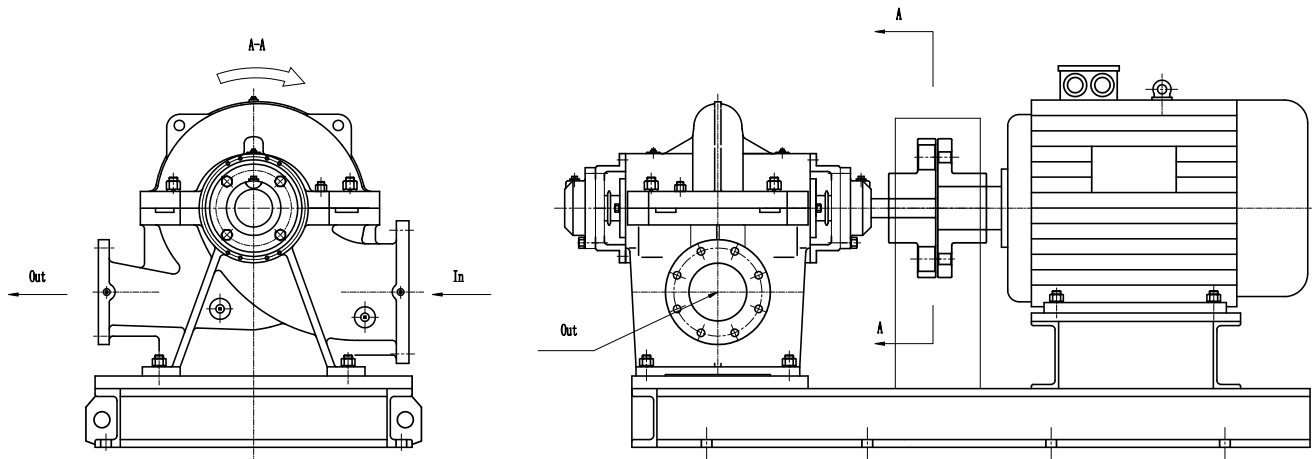
Model	DN1	DN2	Pump Dimensions									Foot										Shaft					Weight											
			a1	a2	f	l2	l3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	l	t	kg														
EHS50-242	65	50	216	216	305	237	542	345	178	89	222	178	152.5	152.5	130	130	60	Φ19	16	Φ24	8	65	27.3	76														
EHS50-340			254	254				433	216	127														93														
EHS80-210			125	80				300	300	300														685	490	315	140	205	205	170	170	80	22	Φ34	10	80	37.3	179
EHS80-270								330	330																528							558						200
EHS80-370	570	605			209																																	
EHS80-370G	150	100			370	370	320	705	558		355	170	235	235	200	200	75	Φ39	12	22	Φ34	10	80		37.3							214						
EHS100-250			620	605					245																													
EHS100-310			605	620					260																													
EHS100-310G			605	620					260																													
EHS100-375G	200	125	370	370	485	365	850	620	400	200	390	340	265	265	225	225	90	Φ25	Φ44	12	110	47.3	309															
EHS125-230								635															665	293														
EHS125-290								635															665	310														
EHS125-365								665															665	332														
EHS125-290G	150	450	450	365	850	365	850	720	210	200	320	320	280	280	85	26	Φ44	12	110	47.3	414																	
EHS125-365G								660													670	323																
EHS150-250								660													670	350																
EHS150-290								710													710	418																
EHS150-360	250	200	400	400	540	420	960	885	500	240	480	430	315	315	280	280	75	Φ30	35	Φ54	16	58.3	755															
EHS150-605								793															805	450														
EHS200-250								805															830	506														
EHS200-320								830															925	551														
EHS200-420	300	250	500	500	629	479	1108	1055	600	300	480	400	400	400	350	350	100	Φ28	28	Φ64	18	145	68.4	700														
EHS200-520								1055																955	1218													
EHS200-670								955																975	550													
EHS250-280								975																985	550													
EHS250-370	350	300	550	500	695	515	1210	1060	630	350	600	520	400	400	350	350	100	Φ30	32	Φ74	20	170	78.9	906														
EHS250-480								1060																1010	1116													
EHS250-600								1010																1072	792													
EHS300-300								1072																1140	947													
EHS300-435	400	300	650	550	695	515	1210	1140	710	350	620	520	525	525	475	475	110	Φ30	35	Φ84	22	180	89.4	1301														
EHS300-560								1255																750	1640													
EHS300-700								1255																750	1077													
EHS350-360								1255																750	1445													
EHS350-430	450	350	750	650	785	605	1390	1200	750	400	620	530	530	475	475	120	35	Φ84	22	180	89.4	1456																
EHS350-510								1200															780	630	560	560	485	485	150	Φ35	35	Φ95	25	210	100.4			
EHS350-575								1200															900	420	780	630	560	560	485	485	150	Φ35	35	Φ95	25	210	100.4	
EHS350-575								1200															900	420	780	630	560	560	485	485	150	Φ35	35	Φ95	25	210	100.4	

Flange Dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

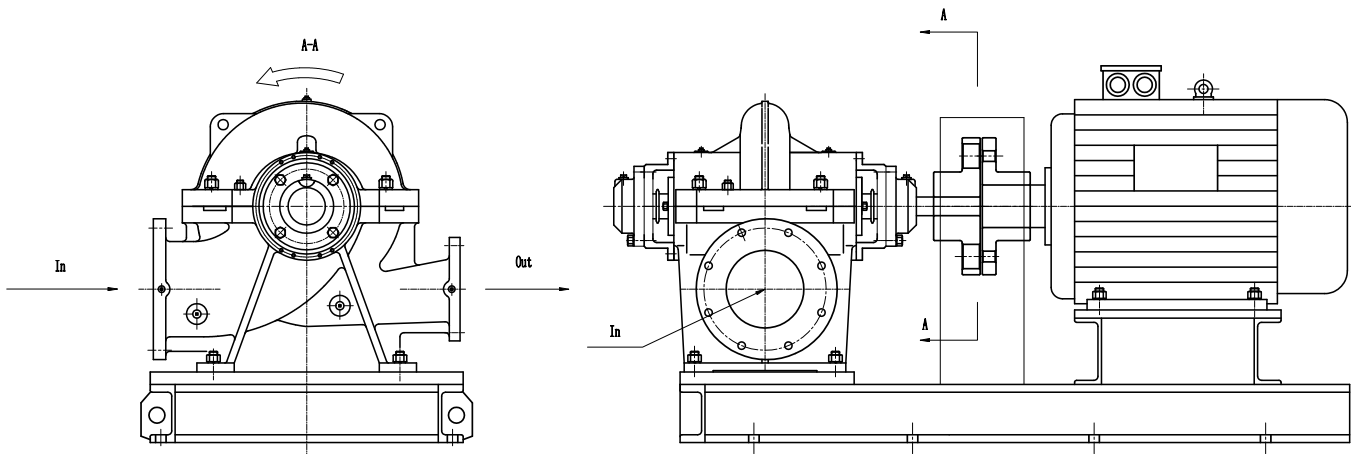
DN1/DN2	80	100	125	150	200	250	300	350	400	450	500	600	700
K1/K2	160	180	210	240	295	355	410	470	525	585	650	770	840
D1/D2	200	220	250	285	340	405	460	520	580	640	715	840	910
S1/S2	22	24	26	26	30	32	34	38	40	40	46	54	54
n-d1/n-d2	8-Φ17.5	8-Φ17.5	8-Φ17.5	8-Φ22	12-Φ22	12-Φ26	12-Φ26	16-Φ26	16-Φ30	20-Φ30	20-Φ33	20-Φ36	24-Φ36

EHS Series Split Casing Pump

Standard Type : Clockwise viewing from the drive side



Special Type : Counter-clockwise viewing from the drive side



NOTE : FOR REFERENCE ONLY



MAC-TECH ENGINEERING SDN. BHD.(156877-M)

NO.21 & 23, Jalan 3/118C, Desa Tun Razak Industrial Park

Cheras, 56000 Kuala Lumpur, West Malaysia.

Tel: (6)03-91732606 (Hunting Line),91732601,91732602,91732603,91732609

Fax: (6)03-91732893,91732755

Email: Enquiry@mac-tech.com.my Web: <http://www.mac-tech.com.my>

The technical data are subject to change without prior notice.