



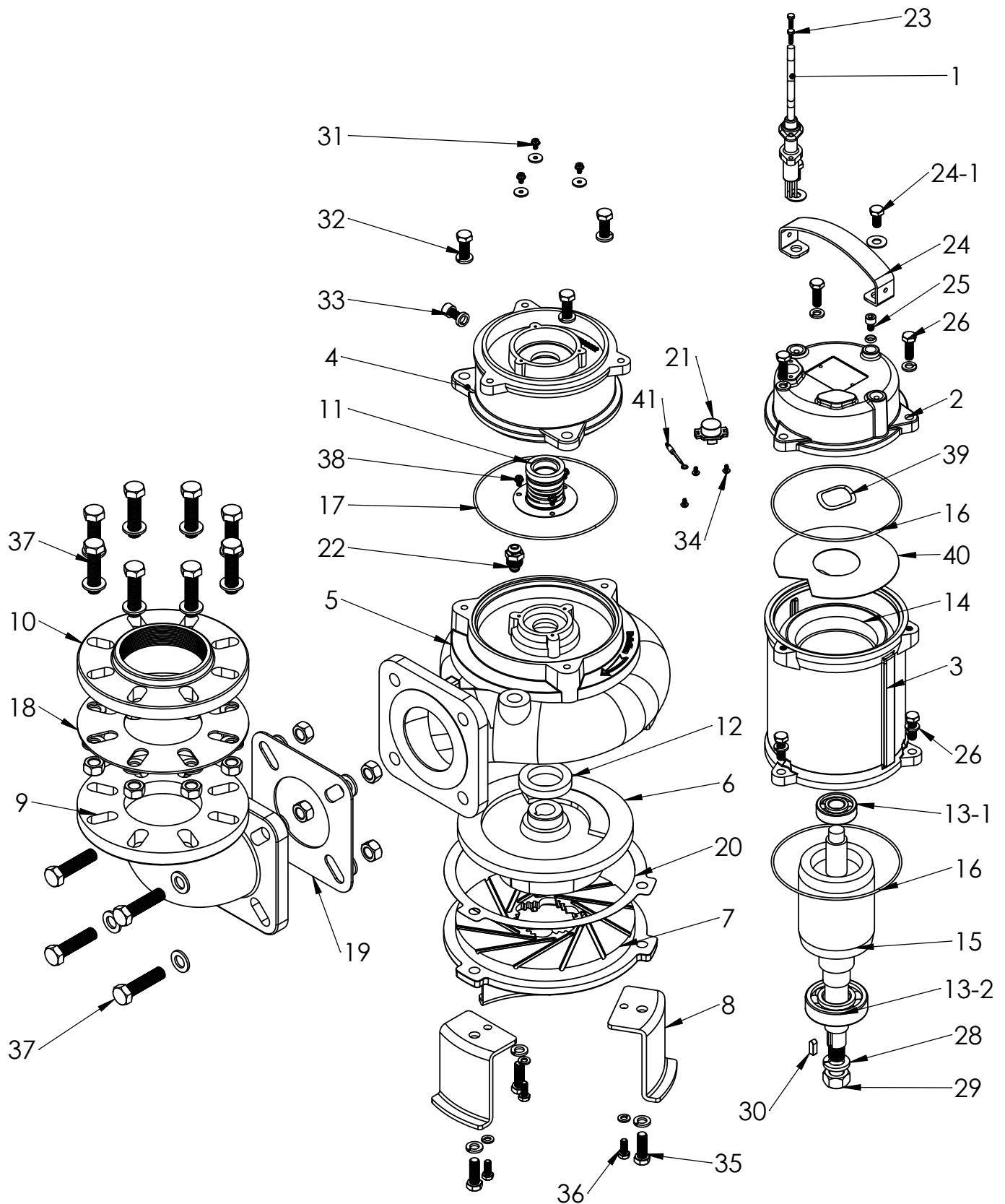
You'll never work alone!

50HZ

SCKSERIES

ASSEMBLY VIEW

MODELS : SCK422 (3HP)





You'll never work alone!

50HZ SCK422 SERIES

PARTS LIST

MODELS : SCK422 (3HP)

NO	Part	Material
1	Cable	H07RN-F / STOW
2	Motor Cover	EN-GJL-200
3	Motor Housing	EN-GJL-200
4	Oil Chamber	EN-GJL-200
5	Volute	EN-GJL-200
6	Impeller	EN-GJL-200
7	Suction Plate	EN-GJS-700
8	Pump Feet	SC
9	Discharge Elbow	EN-GJL-200
10	Flange	EN-GJL-200
11	Mechanical Seal	Upper: CA/CE Lower: SIC/SIC
12	Lip Seal	NBR
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Stator	-
15	Rotor with Shaft	AISI 410
16	O-Ring	NBR
17	O-Ring	NBR
18	Flange Gasket	NBR
19	Elbow Gasket	NBR
20	Suction Plate Gasket	PE
21	Protector	KLIXON
22	Air Release Valve	PP
23	Hex. Bolt	AISI 304
24	Handle	AISI 304
24-1	Hex. Bolt & Spring Washer	AISI 304
25	Socket Screw & O-Ring	AISI 304/NBR
26	Hex. Bolt & Spring Washer	AISI 304
28	Spring Washer	AISI 304
29	Hex. Nut	AISI 304
30	Key	AISI 304
31	Hex. Bolt & Washer	SC
32	Hex. Bolt and Spring Washer	AISI 304
33	Socket Screw & O-Ring	AISI 304/NBR
34	Phillips Screw	SC
35	Hex. Bolt & Spring Washer	AISI 304
36	Hex. Bolt & Spring Washer	AISI 304
37	Hex. Bolt & Spring Washer & Hex. Nut	AISI 304
38	Truss Bolt	SC
39	Wave Washer	SC
40	Insulation Sheet	PAPER
41	Ground lead	-

TPI is a family brand of NTN group.



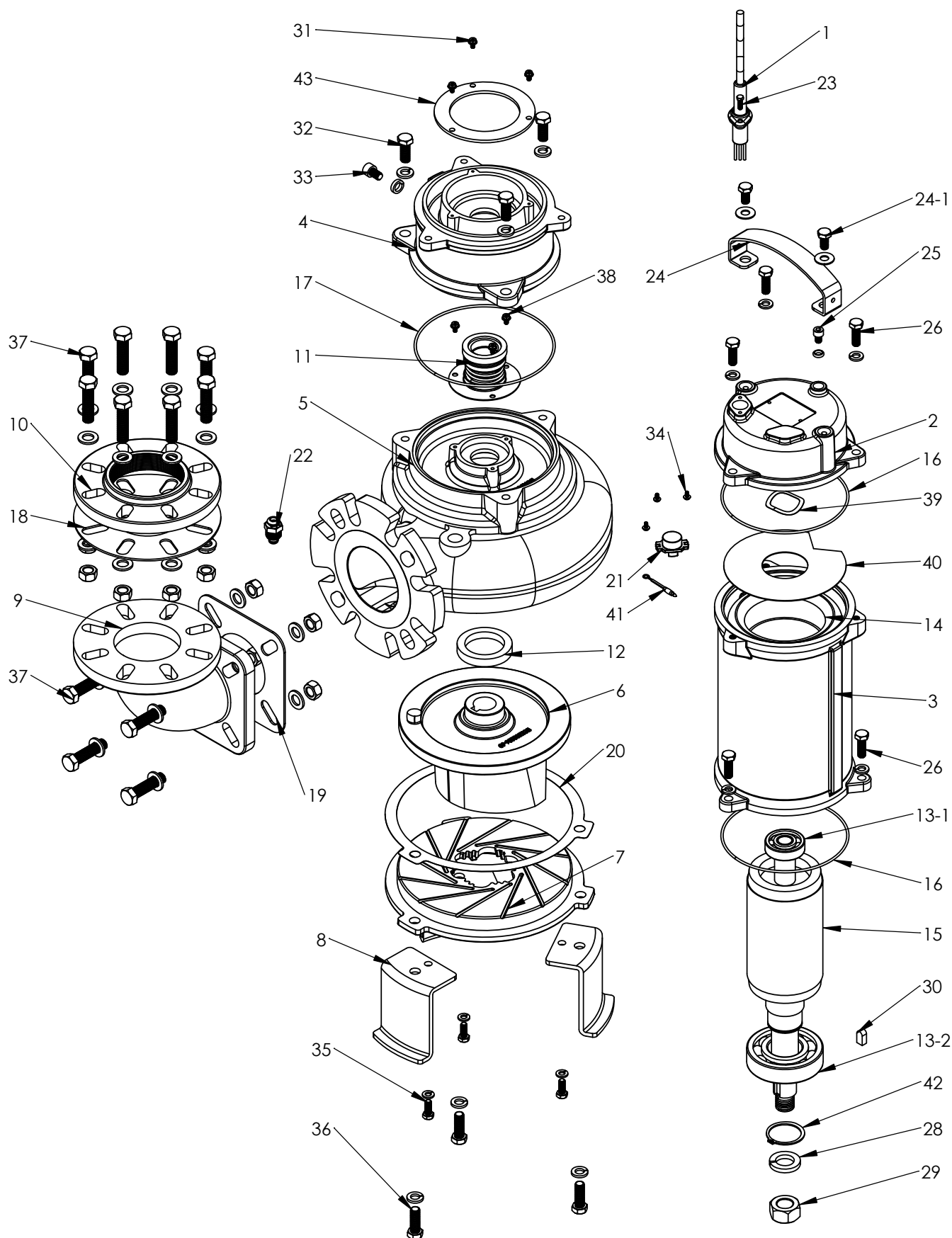
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50HZ

SCK SERIES

ASSEMBLY VIEW

MODELS : SCK437 (5HP)





You'll never work alone!

50HZ

SCK SERIES

PARTS LIST

MODELS : SCK437 (5HP)

NO	Part	Material
1	Cable	H07RN-F / STOW
2	Motor Cover	EN-GJL-200
3	Motor Housing	EN-GJL-200
4	Oil Chamber	EN-GJL-200
5	Volute	EN-GJL-200
6	Impeller	EN-GJL-200
7	Suction Plate	EN-GJS-700
8	Pump Feet	SC
9	Discharge Elbow	EN-GJL-200
10	Flange	EN-GJL-200
11	Mechanical Seal	Upper: CA/CE Lower: SIC/SIC
12	Lip Seal	NBR
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Stator	-
15	Rotor with Shaft	AISI 420
16	O-Ring	NBR
17	O-Ring	NBR
18	Flange Gasket	NBR
19	Elbow Gasket	NBR
20	Suction Plate Gasket	PE
21	Protector	KLIXON
22	Air Release Valve	PP
23	Hex. Bolt	AISI 304
24	Handle	AISI 304
24-1	Hex. Bolt & Spring Washer	AISI 304
25	Socket Screw & O-Ring	AISI 304/NBR
26	Hex. Bolt & Spring Washer	AISI 304
28	Spring Washer	AISI 304
29	Hex. Nut	AISI 304
30	Key	AISI 304
31	Hex. Bolt	SC
32	Hex. Bolt & Spring Washer	AISI 304
33	Socket Screw & O-Ring	AISI 304/NBR
34	Phillips Screw	SC
35	Hex. Bolt & Spring Washer	AISI 304
36	Hex. Bolt & Spring Washer	AISI 304
37	Hex. Bolt & Spring Washer & Hex. Nut	AISI 304
38	Truss Bolt	SC
39	Wave Washer	SC
40	Insulation Sheet	PAPER
41	Ground lead	-
42	Shaft Retaining Ring	SC
43	Bearing Holder	SC

TPI is a family brand of NTN group.



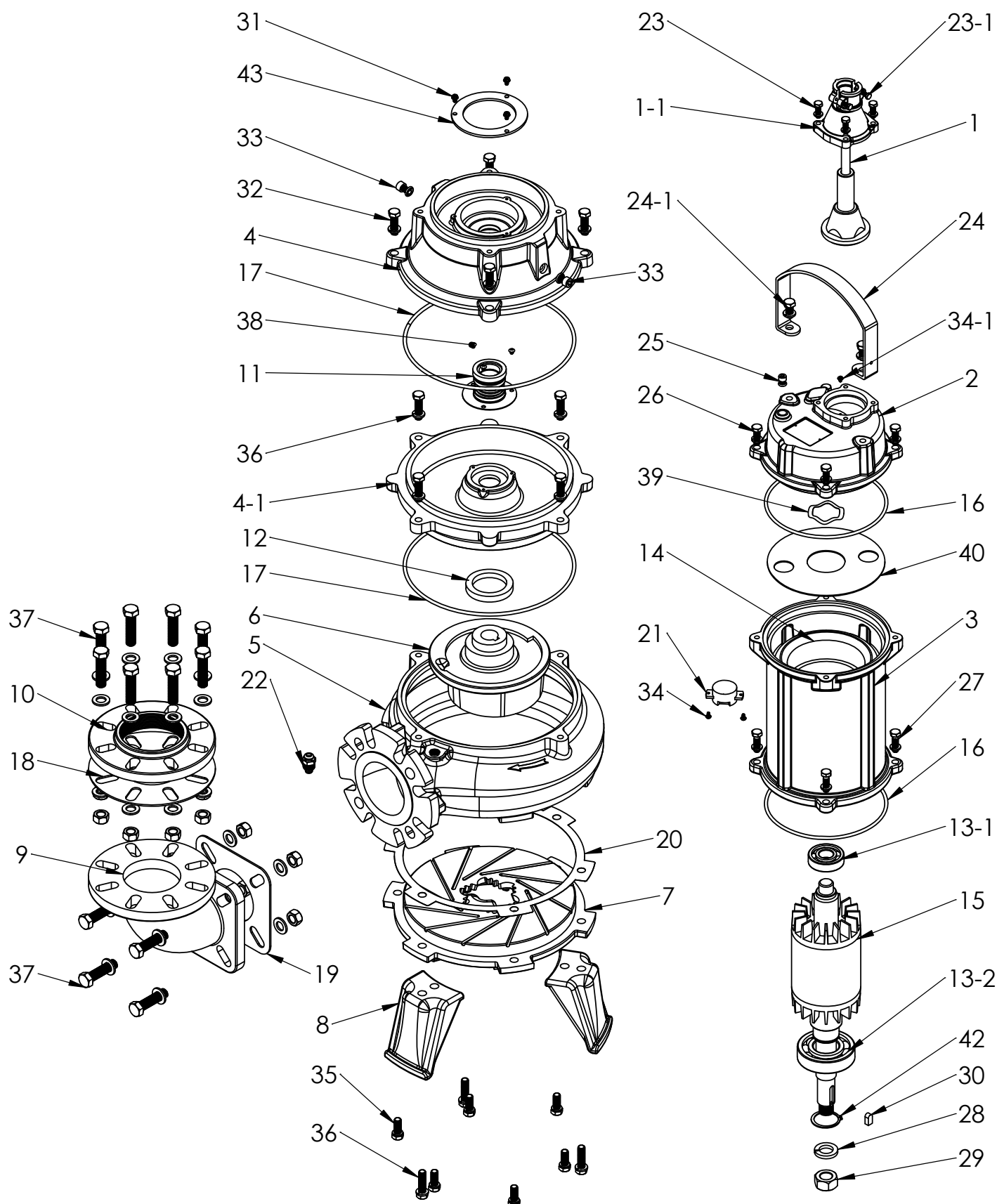
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50HZ

SCK SERIES

ASSEMBLY VIEW

MODELS : SCK455 (7.5HP)





You'll never work alone!

50HZ LEOPARD SERIES

PARTS LIST

MODELS : SCK455 (7.5HP)

NO	Part	Material
1	Cable	H07RN-F / STOW
2	Motor Cover	EN-GJL-200
3	Motor Housing	EN-GJL-200
4	Oil Chamber	EN-GJL-200
4-1	Seal Bracket	EN-GJL-200
5	Volute	EN-GJL-200
6	Impeller	EN-GJL-200
7	Suction Plate	EN-GJS-700
8	Pump Feet	EN-GJL-200
9	Discharge Elbow	EN-GJL-200
10	Flange	EN-GJL-200
11	Mechanical Seal	Upper: CA/CE Lower: SIC/SIC
12	Lip Seal	NBR
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Stator	-
15	Rotor with Shaft	AISI 420
16	O-Ring	NBR
17	O-Ring	NBR
18	Flange Gasket	NBR
19	Elbow Gasket	NBR
20	Suction Plate Gasket	PE
21	Protector	KLIXON
22	Air Release Valve	PP
23	Hex. Bolt	AISI 304
23-1	Hex. Bolt	AISI 304
24	Handle	AISI 304
24-1	Hex. Bolt & Spring Washer	AISI 304
25	Socket Screw & O-Ring	AISI 304/NBR
26	Hex. Bolt & Spring Washer	AISI 304
27	Hex. Bolt & Spring Washer	AISI 304
28	Spring Washer	AISI 304
29	Hex. Nut	AISI 304
30	Key	AISI 304
31	Hex. Bolt	SC
32	Hex. Bolt & Spring Washer	AISI 304
33	Socket Screw & O-Ring	AISI 304/NBR
34	Phillips Screw	SC
34-1	Phillips Screw	SC
35	Hex. Bolt & Spring Washer	AISI 304
36	Hex. Bolt & Spring Washer	AISI 304
37	Hex. Bolt & Spring Washer & Hex. Nut	AISI 304
38	Truss Bolt	SC
39	Wave Washer	SC
40	Insulation Sheet	Bakelite
42	Shaft Retaining Ring	SC
43	Bearing Holder	SC

TPI is a family brand of NTN group.



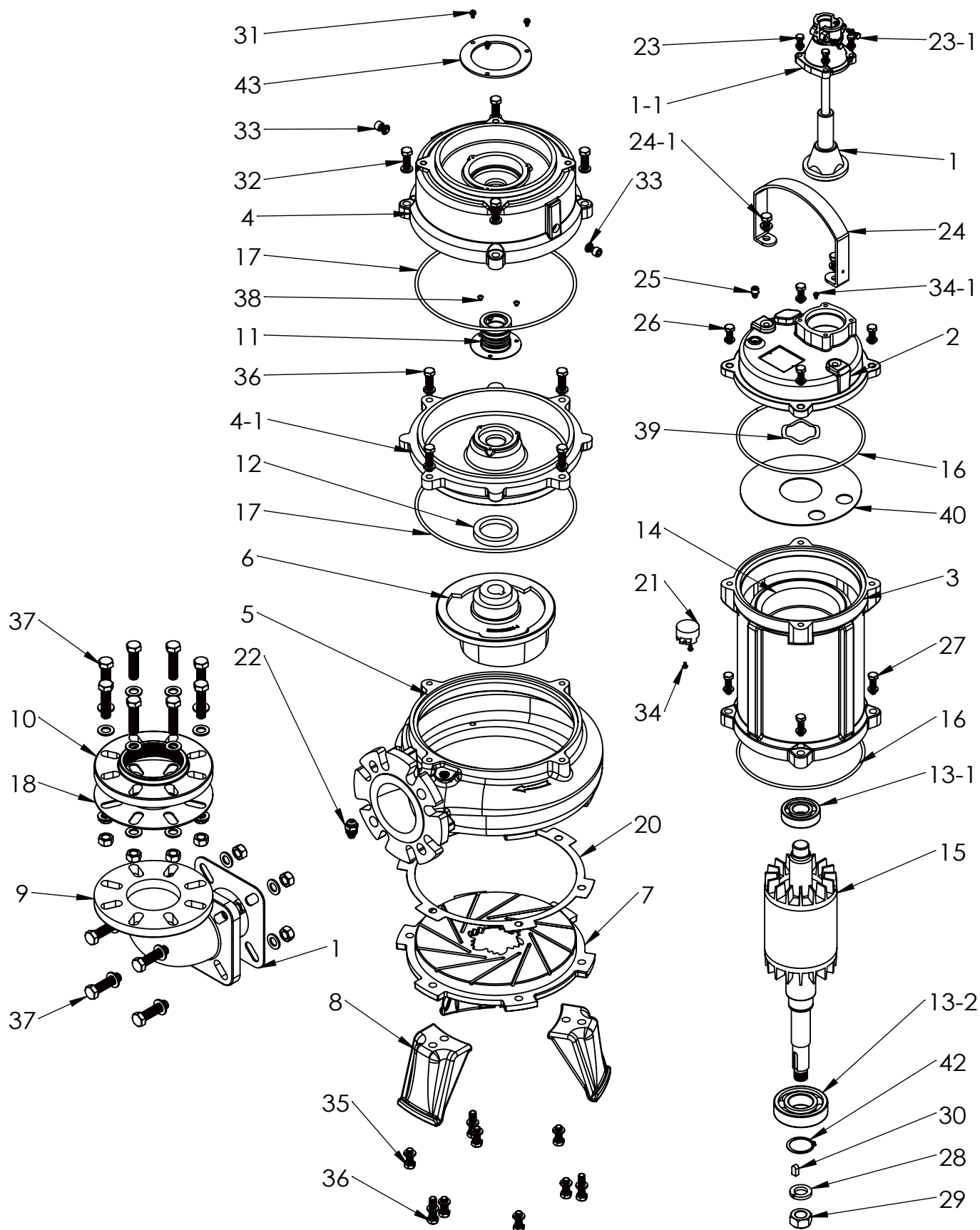
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50HZ

SCK SERIES

ASSEMBLY VIEW

MODELS : SCK475 (10HP)





You'll never work alone!

50HZ

SCK SERIES

PARTS LIST

MODELS : SCK475 (10HP)

NO	Part	Material
1	Cable	H07RN-F / STOW
2	Motor Cover	EN-GJL-200
3	Motor Housing	EN-GJL-200
4	Oil Chamber	EN-GJL-200
4-1	Seal Bracket	EN-GJL-200
5	Volute	EN-GJL-200
6	Impeller	EN-GJL-200
7	Suction Plate	EN-GJS-700
8	Pump Feet	EN-GJL-200
9	Discharge Elbow	EN-GJL-200
10	Flange	EN-GJL-200
11	Mechanical Seal	Upper: CA/CE Lower: SIC/SIC
12	Lip Seal	NBR
13-1	Upper Bearing	NTN/TPI
13-2	Lower Bearing	NTN/TPI
14	Stator	-
15	Rotor with Shaft	AISI 420
16	O-Ring	NBR
17	O-Ring	NBR
18	Flange Gasket	NBR
19	Elbow Gasket	NBR
20	Suction Plate Gasket	PE
21	Overload Protector	KLIXON
22	Air Release Valve	PP
23	Hex. Bolt & Spring Washer	AISI 304
23-1	Hex. Bolt & Spring Washer	AISI 304
24	Handle	AISI 304
24-1	Hex. Bolt & Spring Washer	AISI 304
25	Socket Screw & O-Ring	AISI 304/NBR
26	Hex. Bolt & Spring Washer	AISI 304
27	Hex. Bolt & Spring Washer	AISI 304
28	Spring Washer	AISI 304
29	Hex. Nut	AISI 304
30	Key	AISI 304
31	Hex. Bolt	SC
32	Hex. Bolt & Spring Washer	AISI 304
33	Socket Screw & O-Ring	AISI 304/NBR
34	Phillips Screw	SC
34-1	Phillips Screw	SC
35	Hex. Bolt & Spring Washer	AISI 304
36	Hex. Bolt & Spring Washer	AISI 304
37	Hex. Bolt & Spring Washer & Hex. Nut	AISI 304
38	Truss Bolt	SC
39	Wave Washer	SC
40	Insulation Sheet	Bakelite
42	Shaft Retaining Ring	SC
43	Bearing Holder	SC

TPI is a family brand of NTN group.

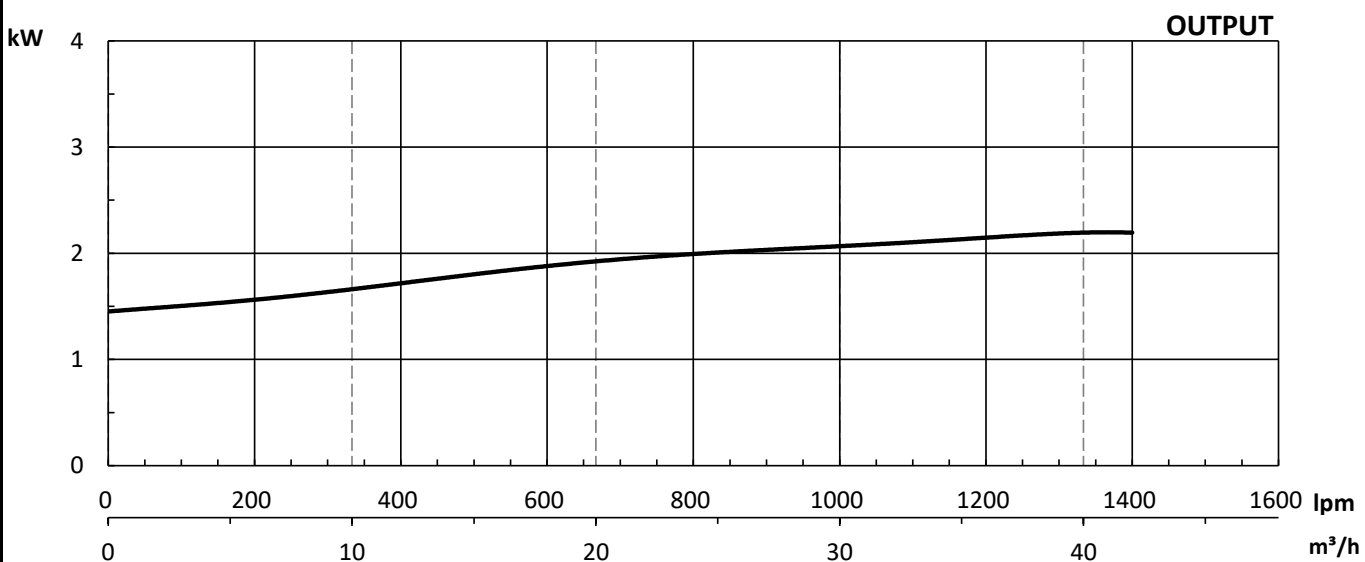
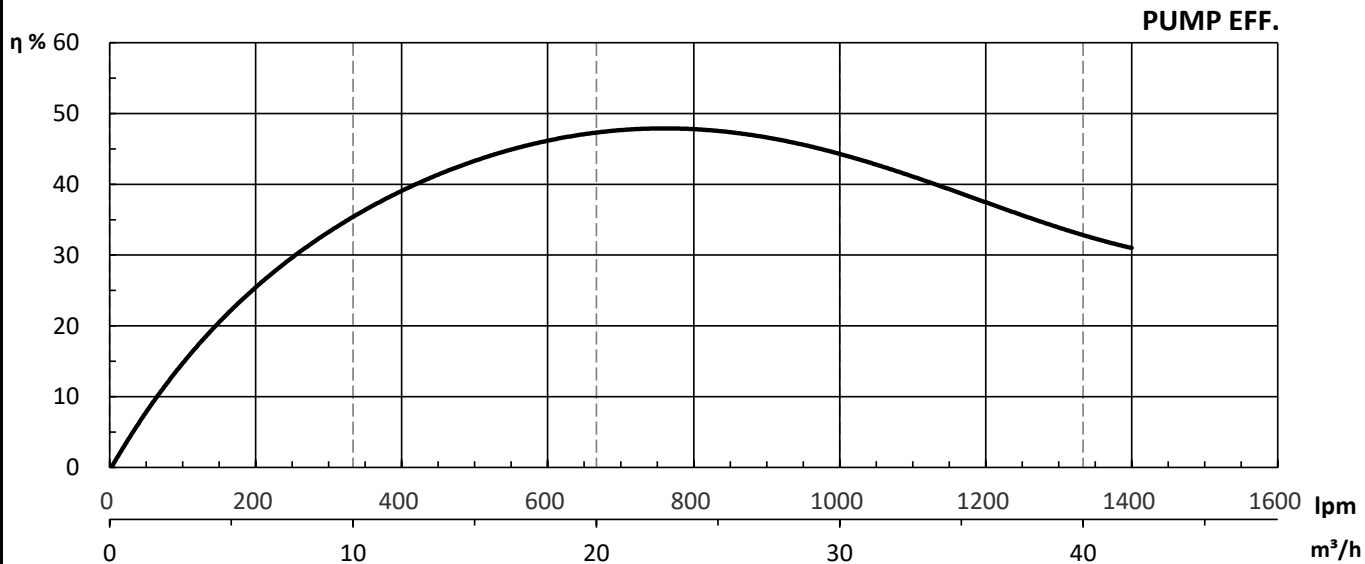
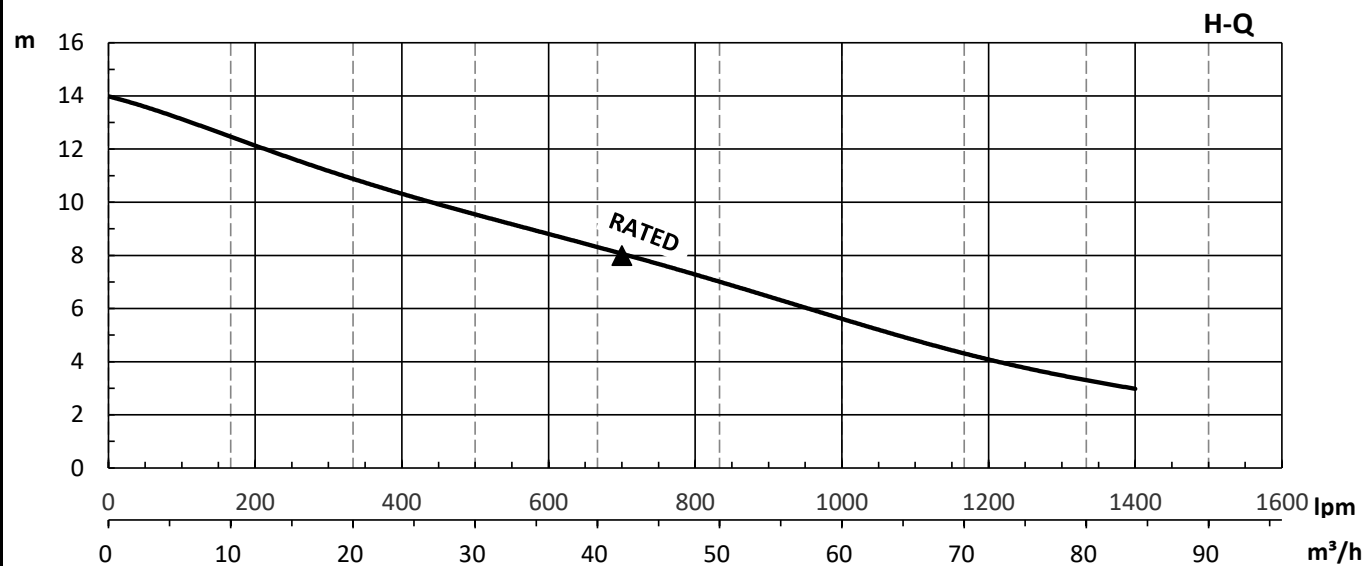


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FILE NO. SCK422

PUMP PERFORMANCE REPORT

MODEL	SCK422				HEAD	RATED	
FREQUENCY	50 HZ				8	m	
DISCHARGE	4 Inch / 100 mm				CAPACITY	700	lpm
OUTPUT	3 HP / 2.2 kW				POLE / RPM	4P / 1450	RPM
PHASE/VOLTAGE	3 ϕ	380V	400V	415V	START METHOD	DIRECT ON LINE	
F.L.A.	A	5.1	5	5	INSULATION CLASS	F	CLASS



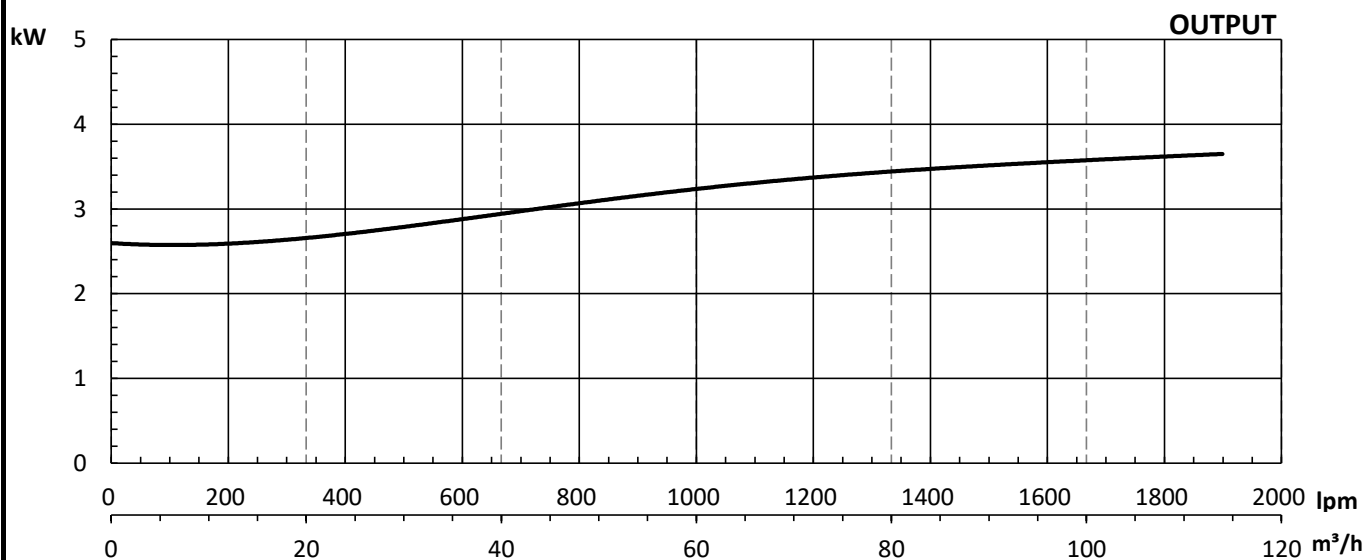
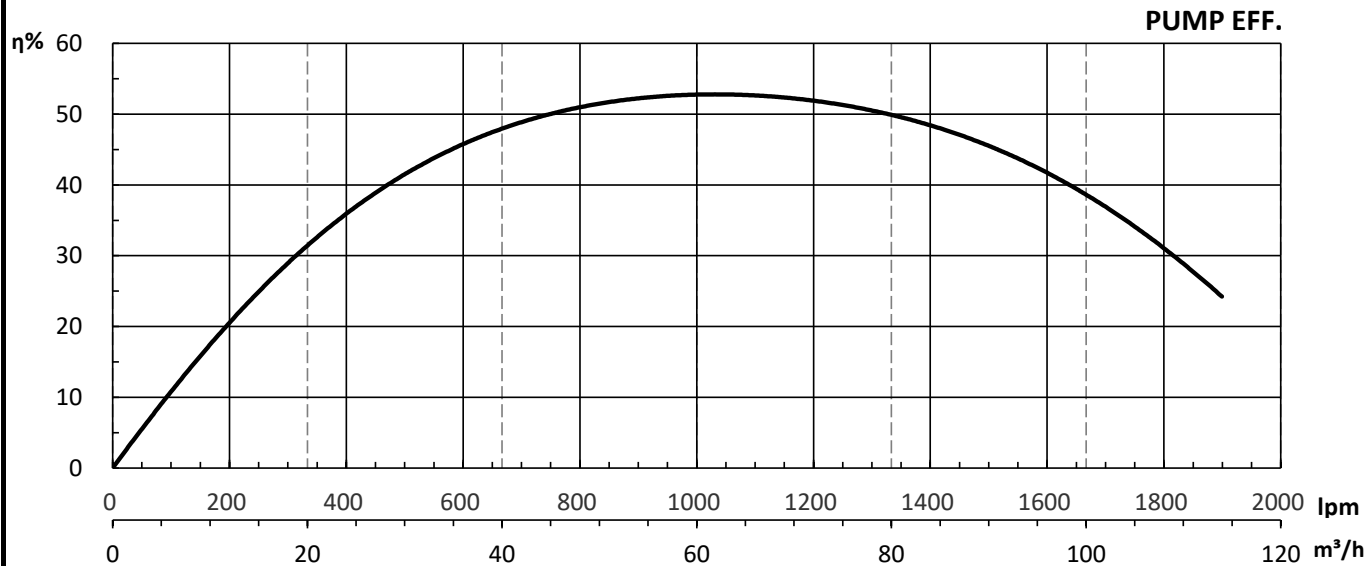
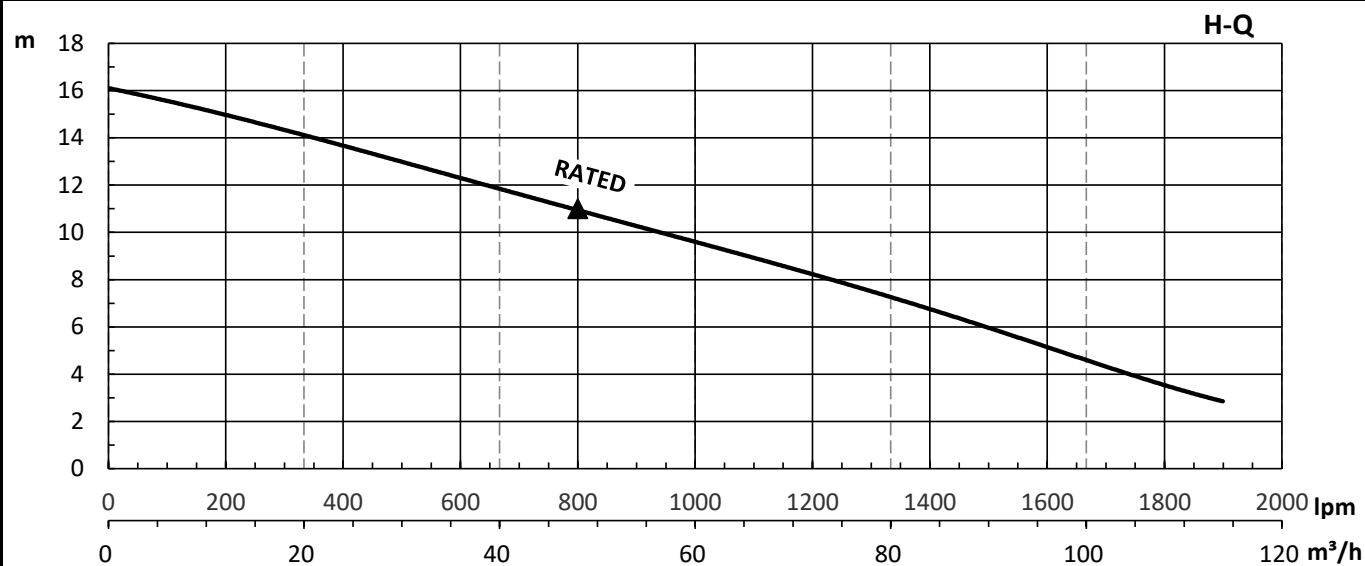


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FILE NO. SCK437

PUMP PERFORMANCE REPORT

MODEL	SCK437				HEAD	RATED	
FREQUENCY	50 HZ				11	m	
DISCHARGE	4 Inch / 100 mm				CAPACITY	800	lpm
OUTPUT	5 HP / 3.7 kW				POLE / RPM	4P / 1450	lpm
PHASE/VOLTAGE	3ø	380V	400V	415V	START METHOD	DIRECT ON LINE	
F.L.A.	A	8.3	8.2	8.1	INSULATION CLASS	F	CLASS



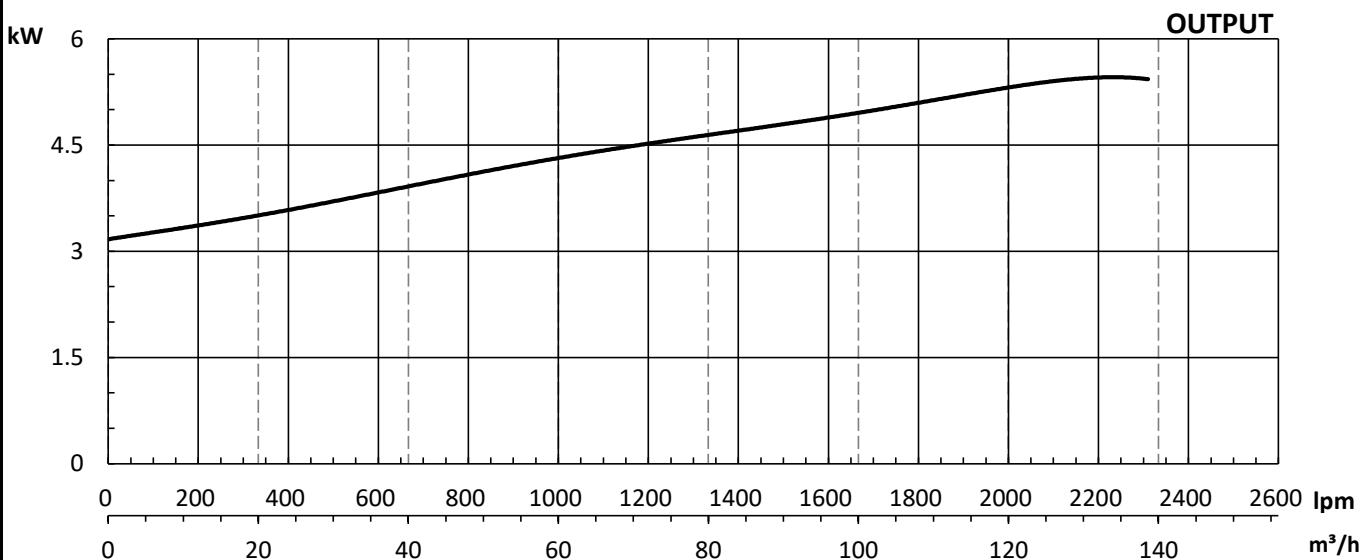
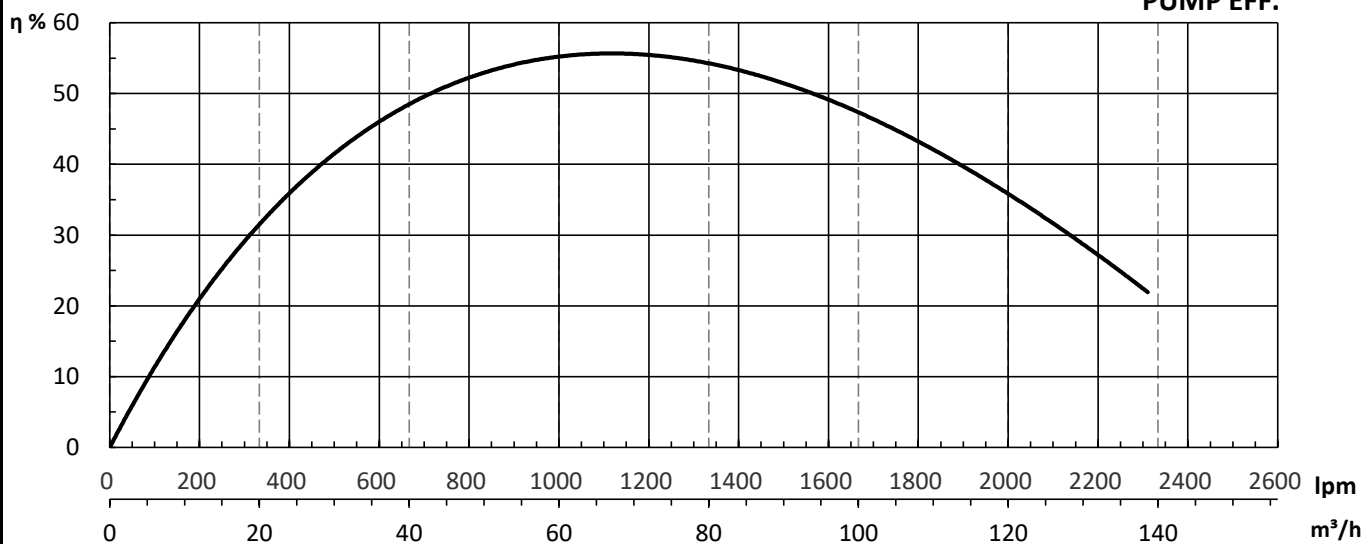
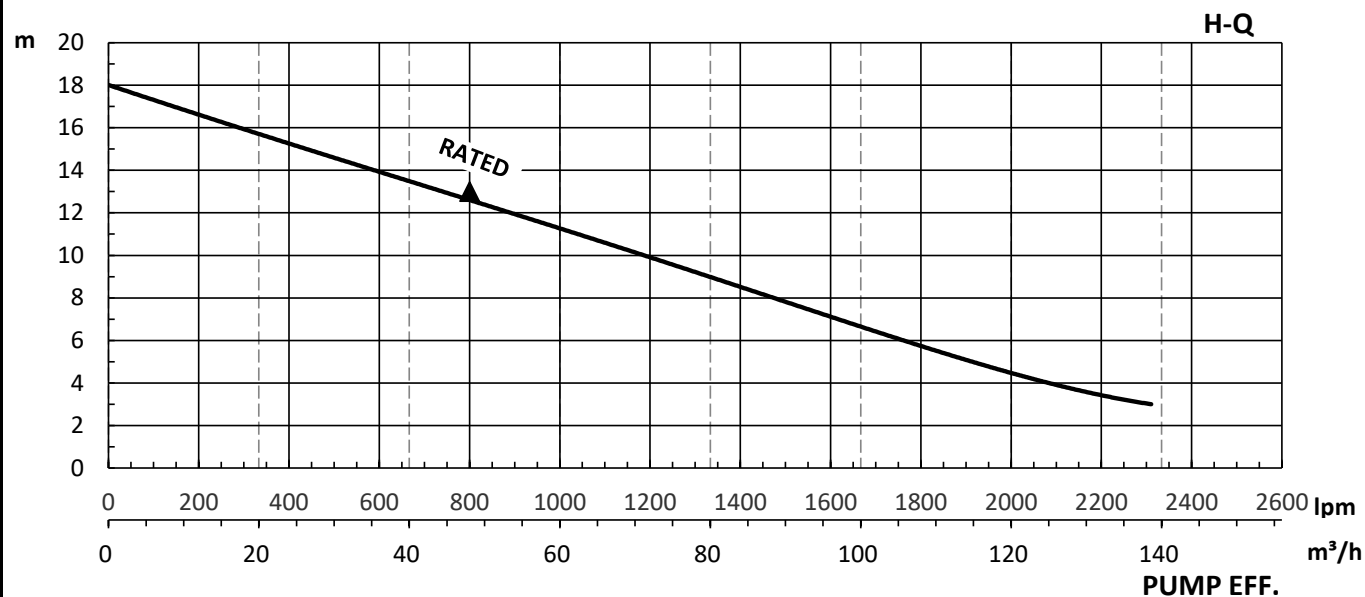


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FILE NO. SCK 455

PUMP PERFORMANCE REPORT

MODEL	SCK455				RATED	
FREQUENCY	50 HZ				HEAD	13 m
DISCHARGE	4 Inch / 100 mm				CAPACITY	800 lpm
OUTPUT	7.5 HP / 5.5 kW				POLE / RPM	4P / 1450 lpm
PHASE/VOLTAGE	3 ϕ	380V	400V	415V	START METHOD	DIRECT ON LINE
F.L.A.	A	12.4	12.1	12	INSULATION CLASS	F CLASS



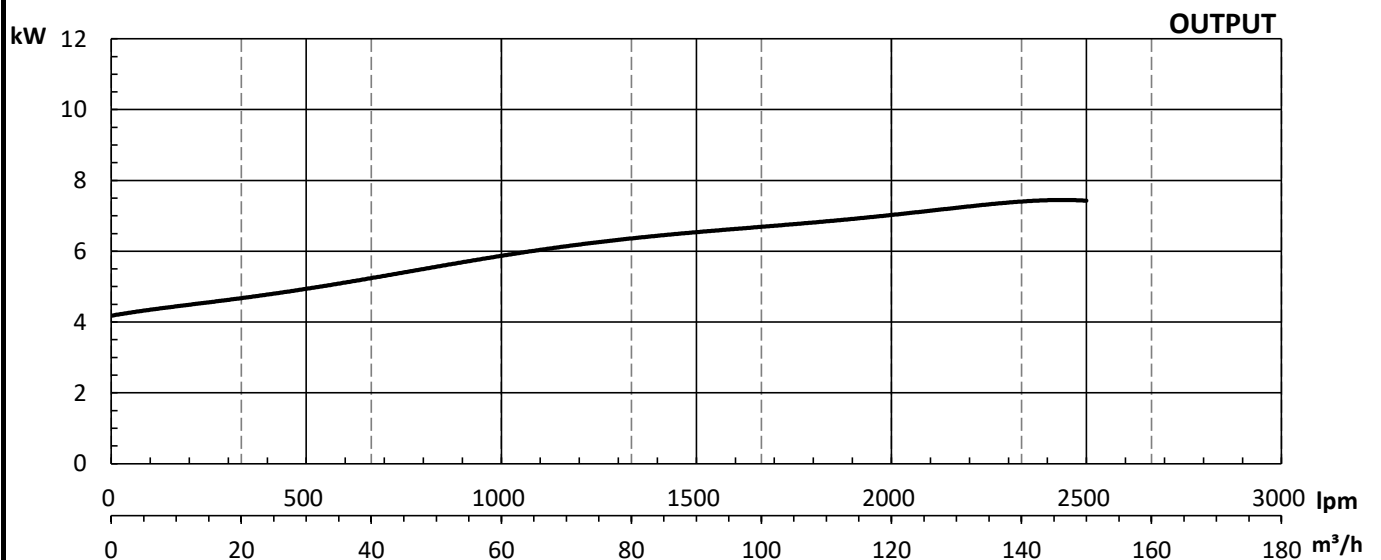
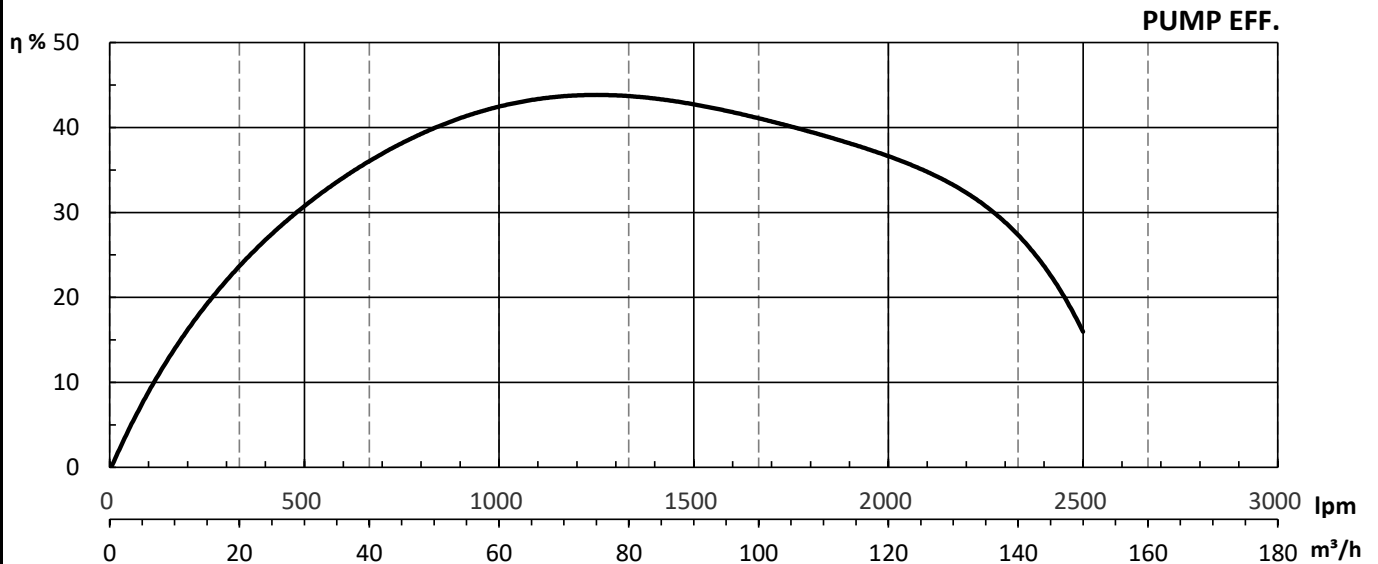
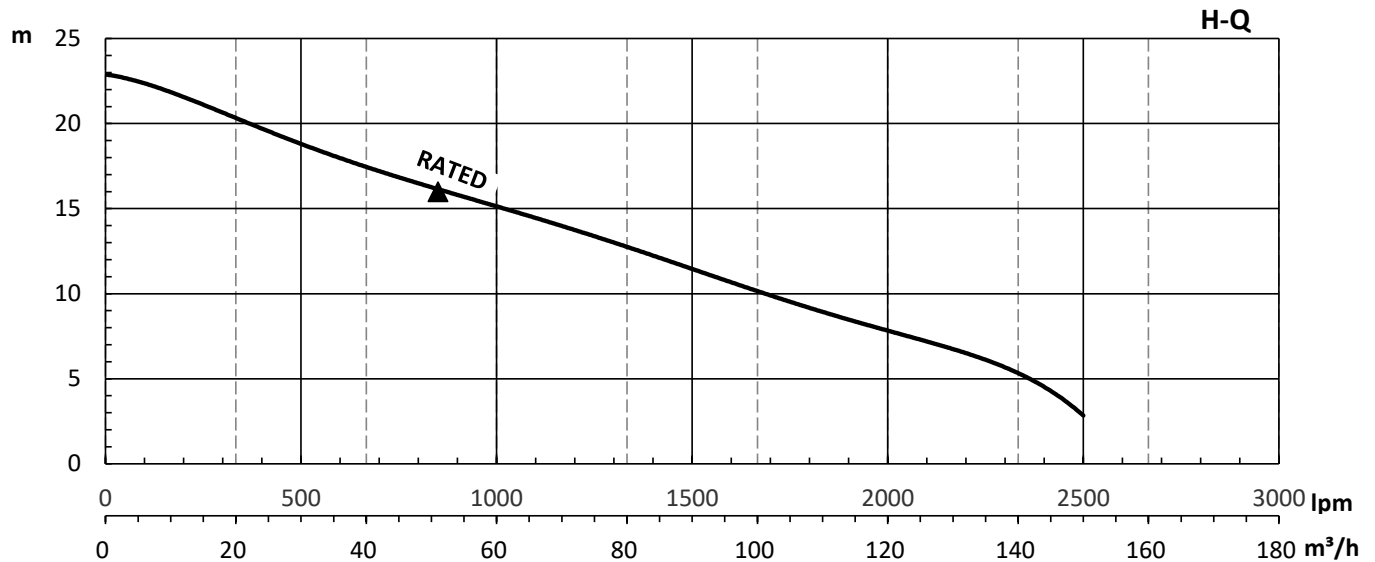


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FILE NO. SCK 475

PUMP PERFORMANCE REPORT

MODEL	SCK 475					RATED	
FREQUENCY	50 HZ				HEAD	16	m
DISCHARGE	4 Inch / 100 mm				CAPACITY	850	lpm
OUTPUT	10 HP / 7.5 kW				POLE / RPM	4P / 1450	lpm
PHASE/VOLTAGE	3ø	380V	400V	415V	START METHOD	DIRECT ON LINE	
F.L.A.	A	16.3	15.9	15.7	INSULATION CLASS	F	CLASS





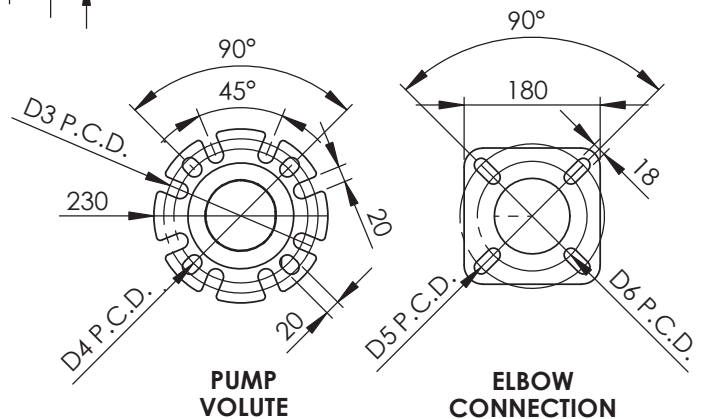
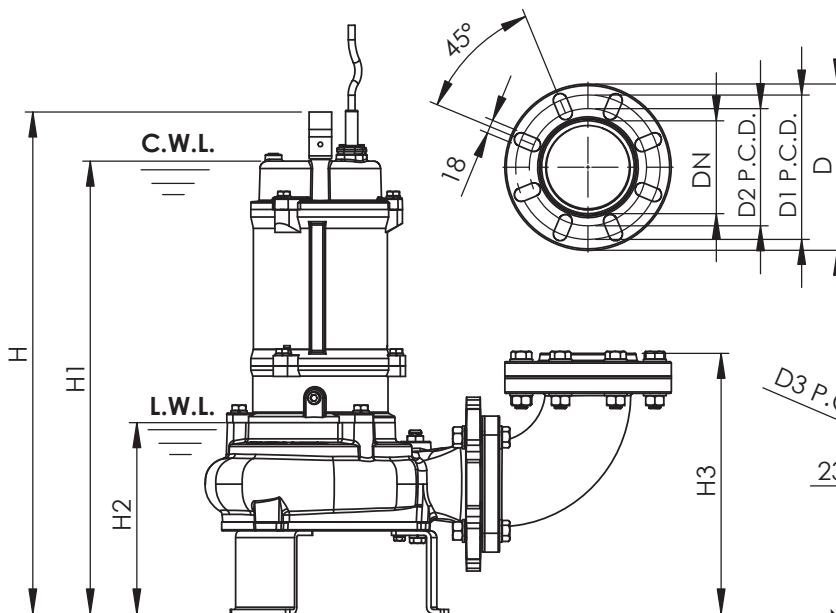
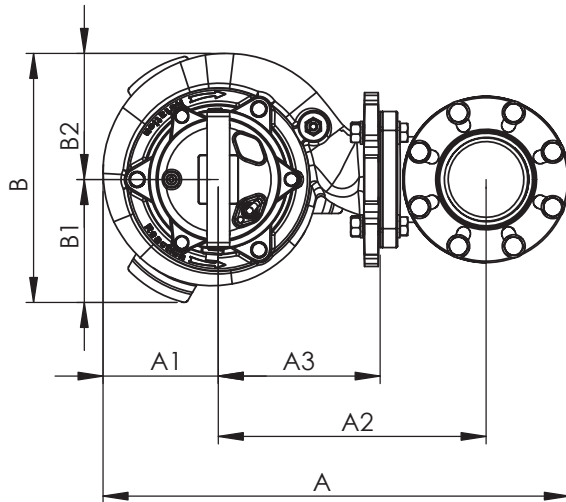
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50HZ

SCK SERIES

DIMENSIONAL DRAWING

MODEL : SCK422(3HP)



DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL	A	A1	A2	A3	B	B1	B2	DN	D	D1	D2	D3	D4	D5	D6	H	H1	H2	H3	WT
SCK422	615	152	352	212	330	163	167	4"	220	191	155	191	175	191	145	664	597	253	345	75

C.W.L.:Continuous Running Water Level

WT: Pump Weight Without Cable

L.W.L.:Lowest Running Water Level



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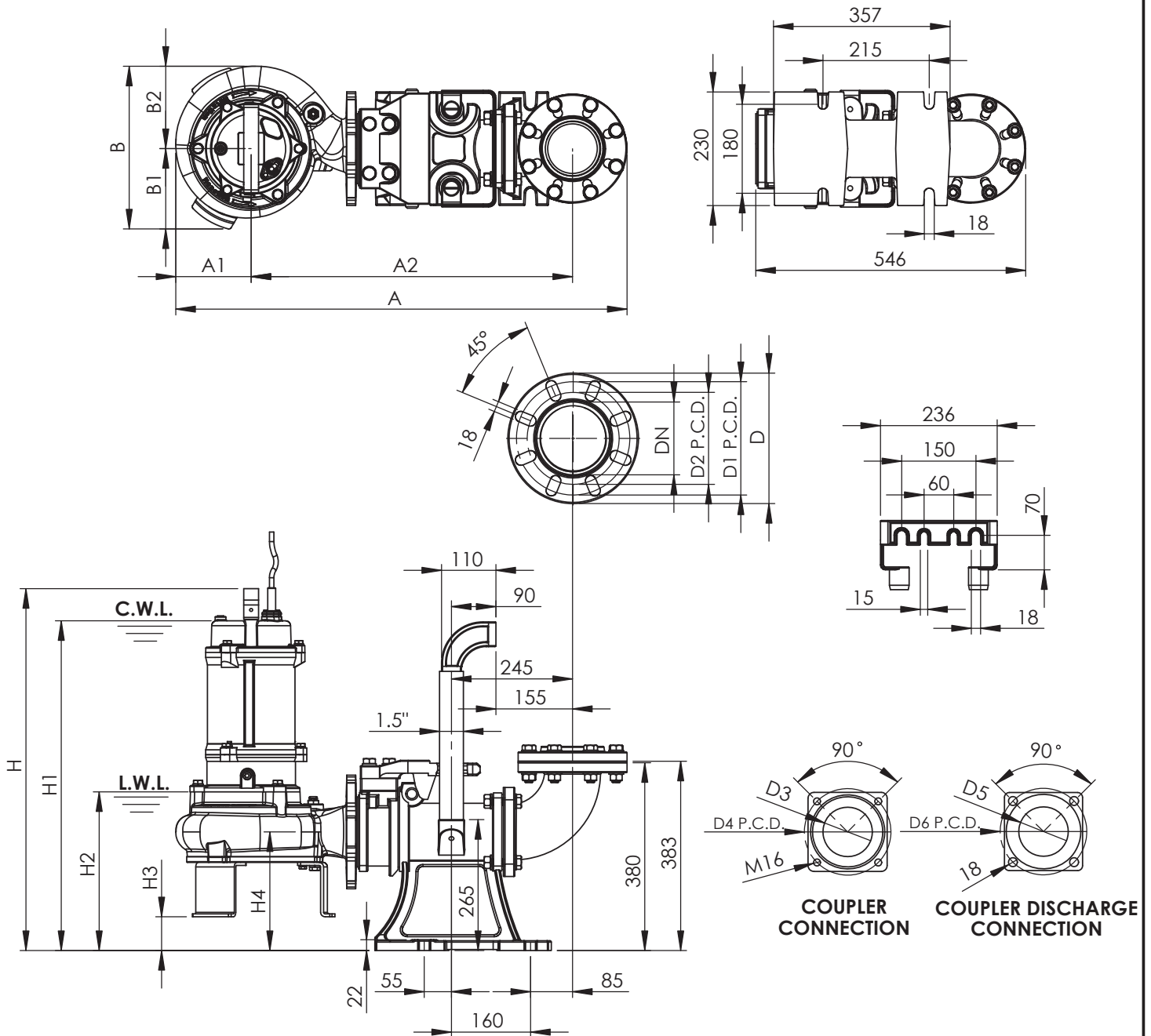
50HZ

SCK SERIES

DIMENSIONAL DRAWING

MODEL : SCK422 (3HP)

QUICK DISCHARGE CONNECTION : QL-100



DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL	A	A1	A2	B	B1	B2	D	D1	D2	D3	D4	D5	D6	DN	H	H1	H2	H3	H4	WT	WT1
SCK422	911	152	648	330	163	167	220	191	155	100	175	100	175	4"	733	665	321	68	240	75	45

C.W.L.:Continuous Running Water Level

L.W.L.:Lowest Running Water Level

WT: Pump Weight Without Cable

WT1: Q.D.C. Weight



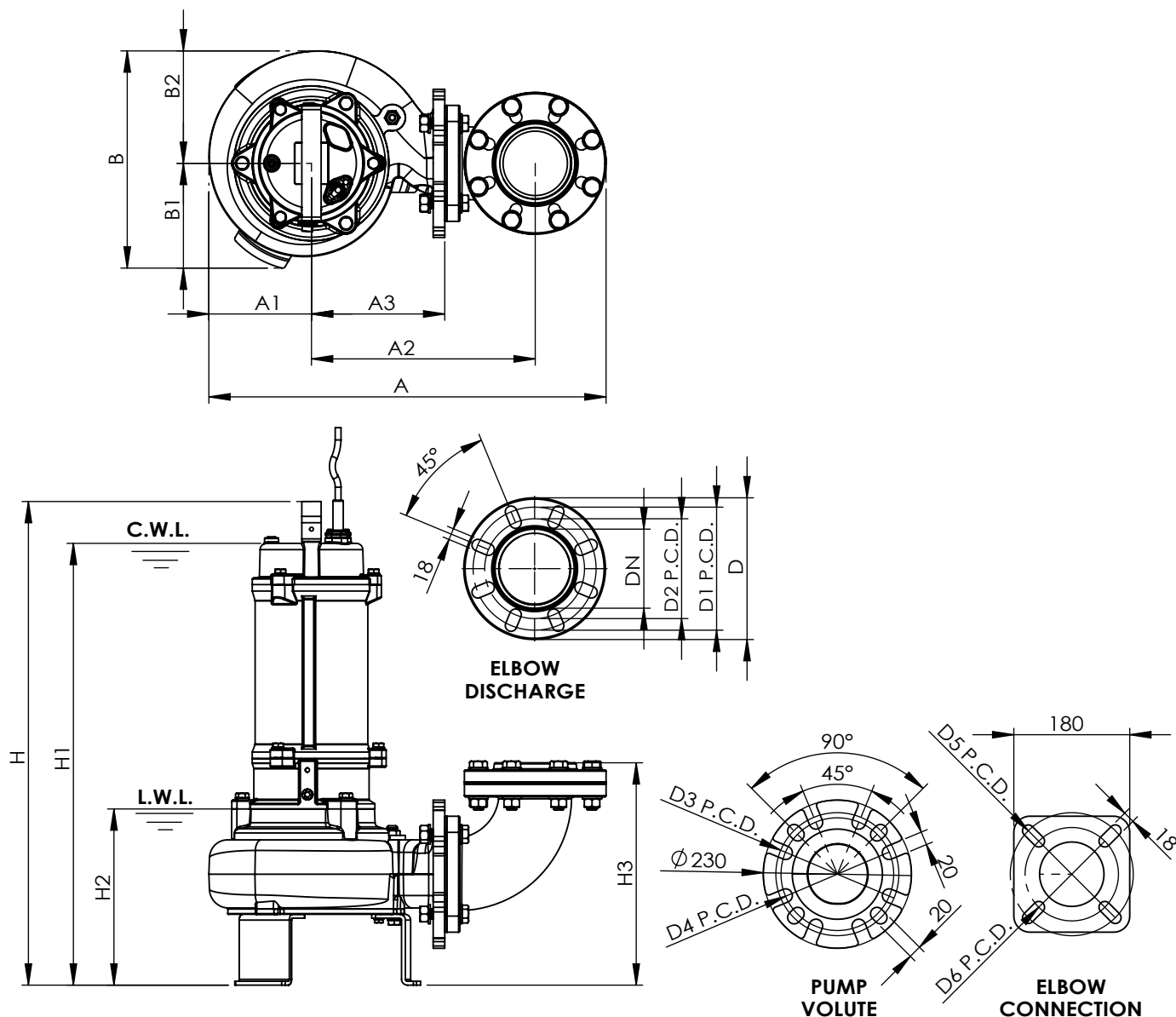
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50HZ

SCK SERIES

DIMENSIONAL DRAWING

MODEL : SCK437 (5HP)



DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL SCK437	A	A1	A2	A3	B	B1	B2	DN	D	D1	D2	D3	D4	D5	D6	H	H1	H2	H3	WT
	619	159	348	207	338	163	175	4"	220	191	155	191	175	191	145	752	686	274	346	90

C.W.L.:Continuous Running Water Level

WT: Pump Weight Without Cable

L.W.L.:Lowest Running Water Level



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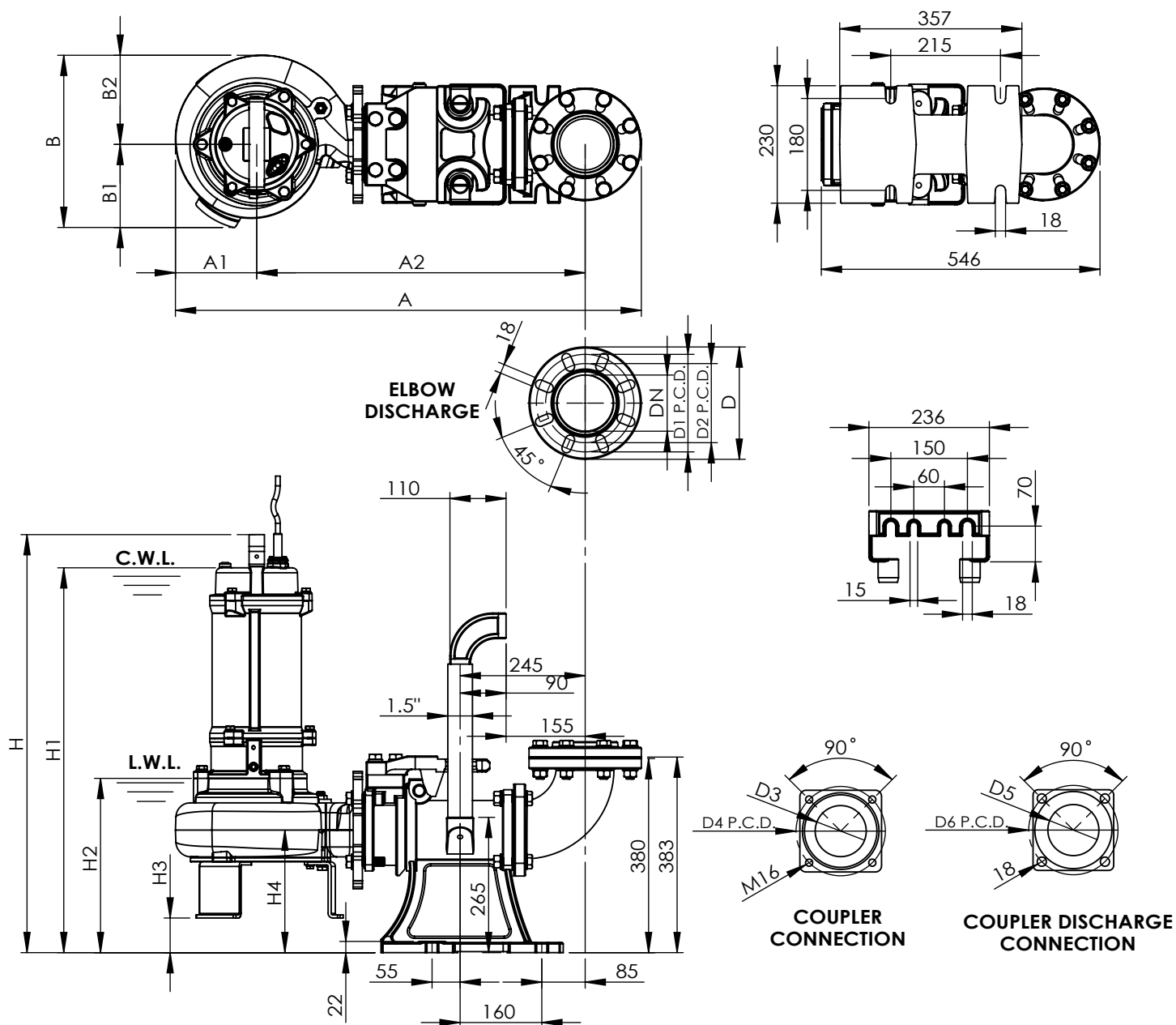
50HZ

SCK SERIES

DIMENSIONAL DRAWING

MODEL : SCK437 (5HP)

QUICK DISCHARGE CONNECTION : QL-100



DIMENSION : mm
WEIGHT : kg

PIPE CONNECTION TYPE

PT	NPT
----	-----

MODEL	A	A1	A2	B	B1	B2	D	D1	D2	D3	D4	D5	D6	DN	H	H1	H2	H3	H4	WT	WT1
SCK437	913	160	644	338	163	175	220	191	155	100	175	100	175	4"	820	754	342	68	240	90	45

C.W.L.:Continuous Running Water Level

L.W.L.:Lowest Running Water Level

WT: Pump Weight Without Cable

WT1: Q.D.C. Weight



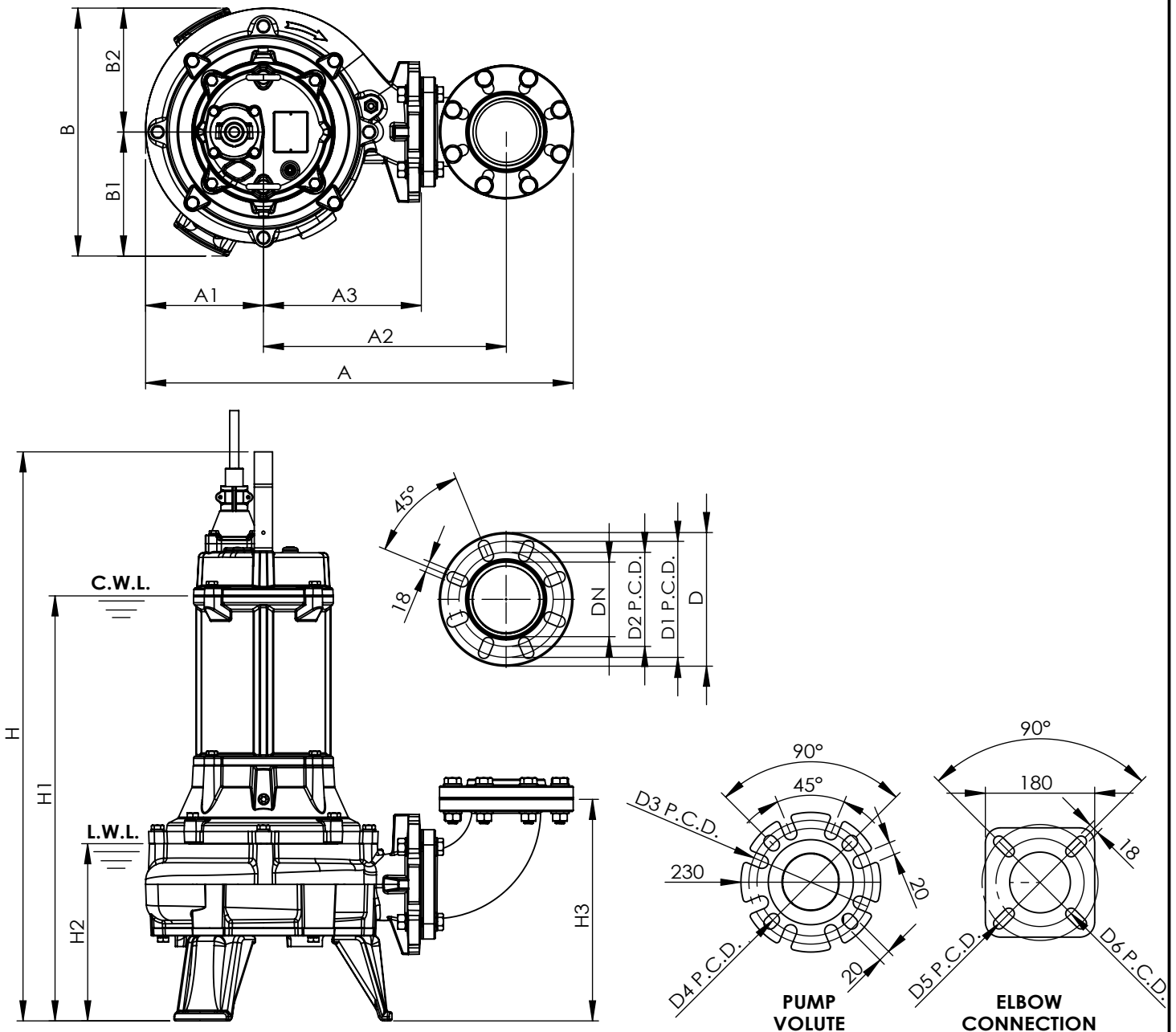
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50HZ

SCK SERIES

DIMENSIONAL DRAWING

MODEL : SCK455(7.5HP)



DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE	
PT	NPT

MODEL SCK475	A	A1	A2	A3	B	B1	B2	DN	D	D1	D2	D3	D4	D5	D6	H	H1	H2	H3	WT
	705	195	400	260	410	205	205	4"	220	191	155	191	175	191	145	935	700	292	365	140

C.W.L.:Continuous Running Water Level

L.W.L.:Lowest Running Water Level

WT: Pump Weight Without Cable



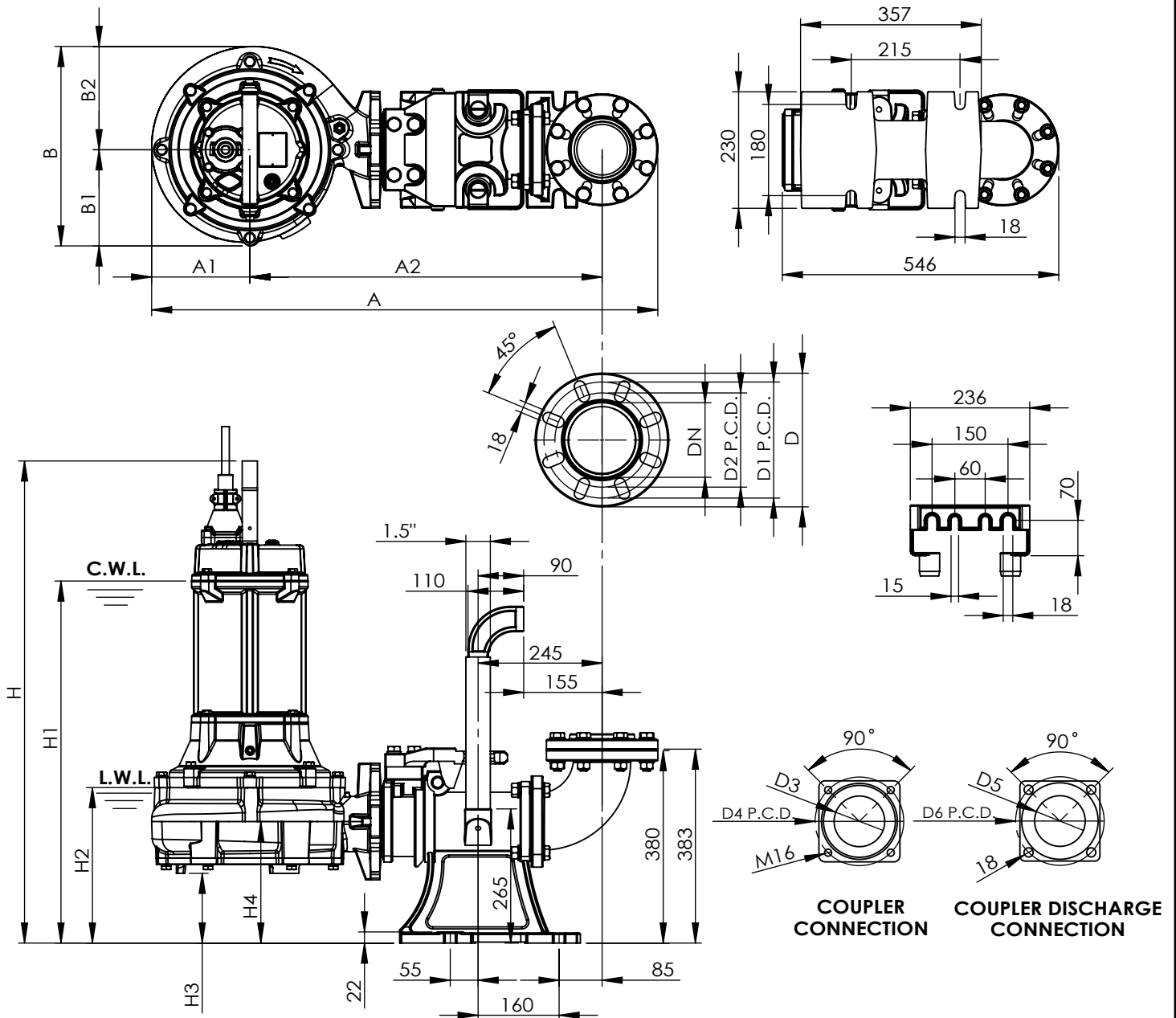
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50HZ SCK455 SERIES

DIMENSIONAL DRAWING

MODEL : SCK455 (7.5HP) QUICK

DISCHARGE CONNECTION : QL-100



Remark: Remove pump feet for QDC installation

DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL	A	A1	A2	B	B1	B2	D	D1	D2	D3	D4	D5	D6	DN	H	H1	H2	H3	H4	WT	WT1
SCK455 1000	195	97	94	90	205	220	91	55	100	75	100	75		4"	953	716	308	138	240	140	45

C.W.L.:Continuous Running Water Level

L.W.L.:Lowest Running Water Level

WT: Pump Weight Without Cable

W1: Q.D.C. Weight



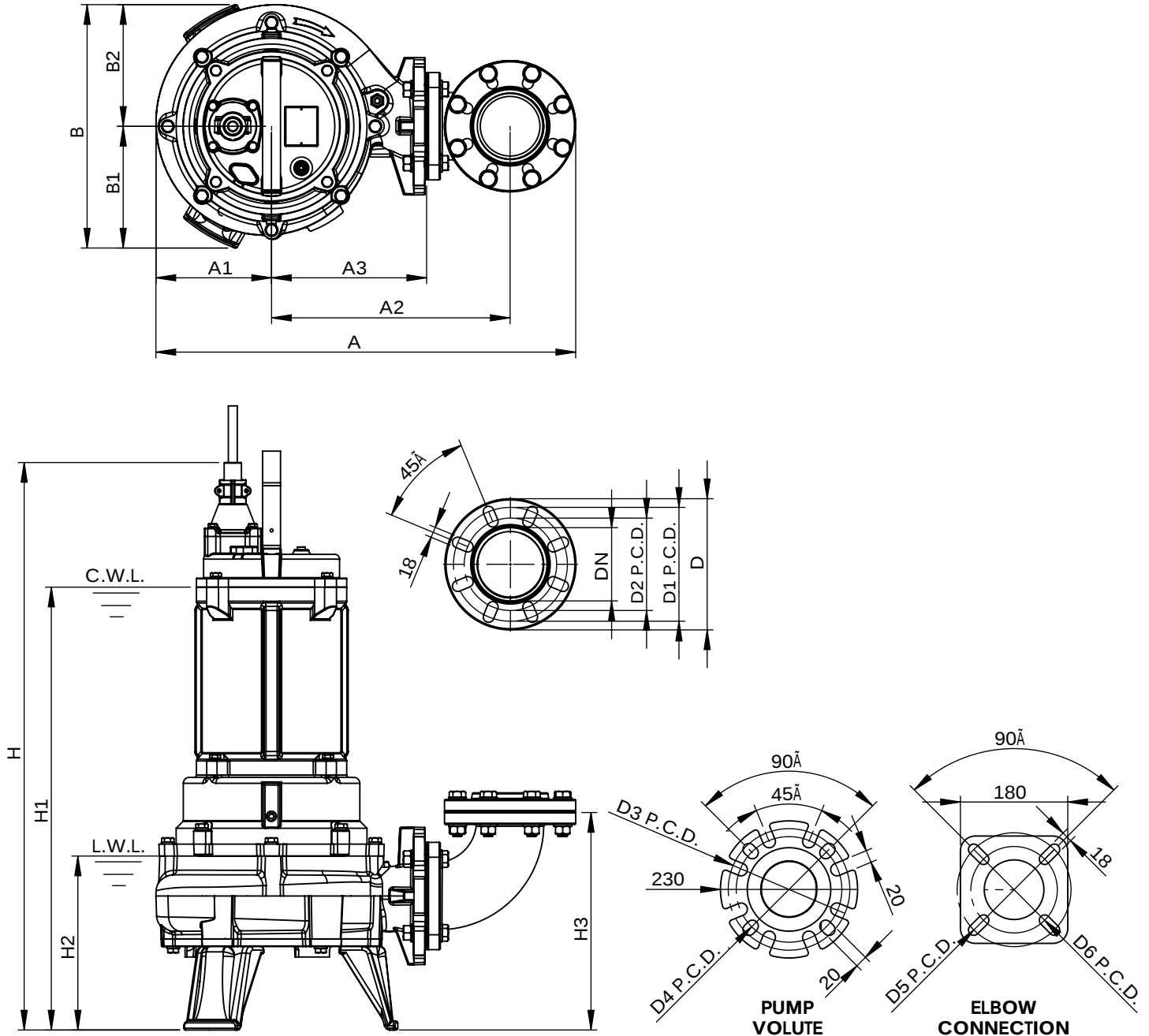
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50HZ

SCK SERIES

DIMENSIONAL DRAWING MODEL :

SCK 475 (10HP)



DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL	A	A1	A2	A3	B	B1	B2	DN	D	D1	D2	D3	D4	D5	D6	H	H1	H2	H3	WT
SCK475	705	195	400	260	410	205	205	4"	220	191	155	191	175	191	145	952	743	292	365	166

C.W.L.:Continuous Running Water Level

WT : Pump Weight without cable

L.W.L.:Lowest Running Water Level



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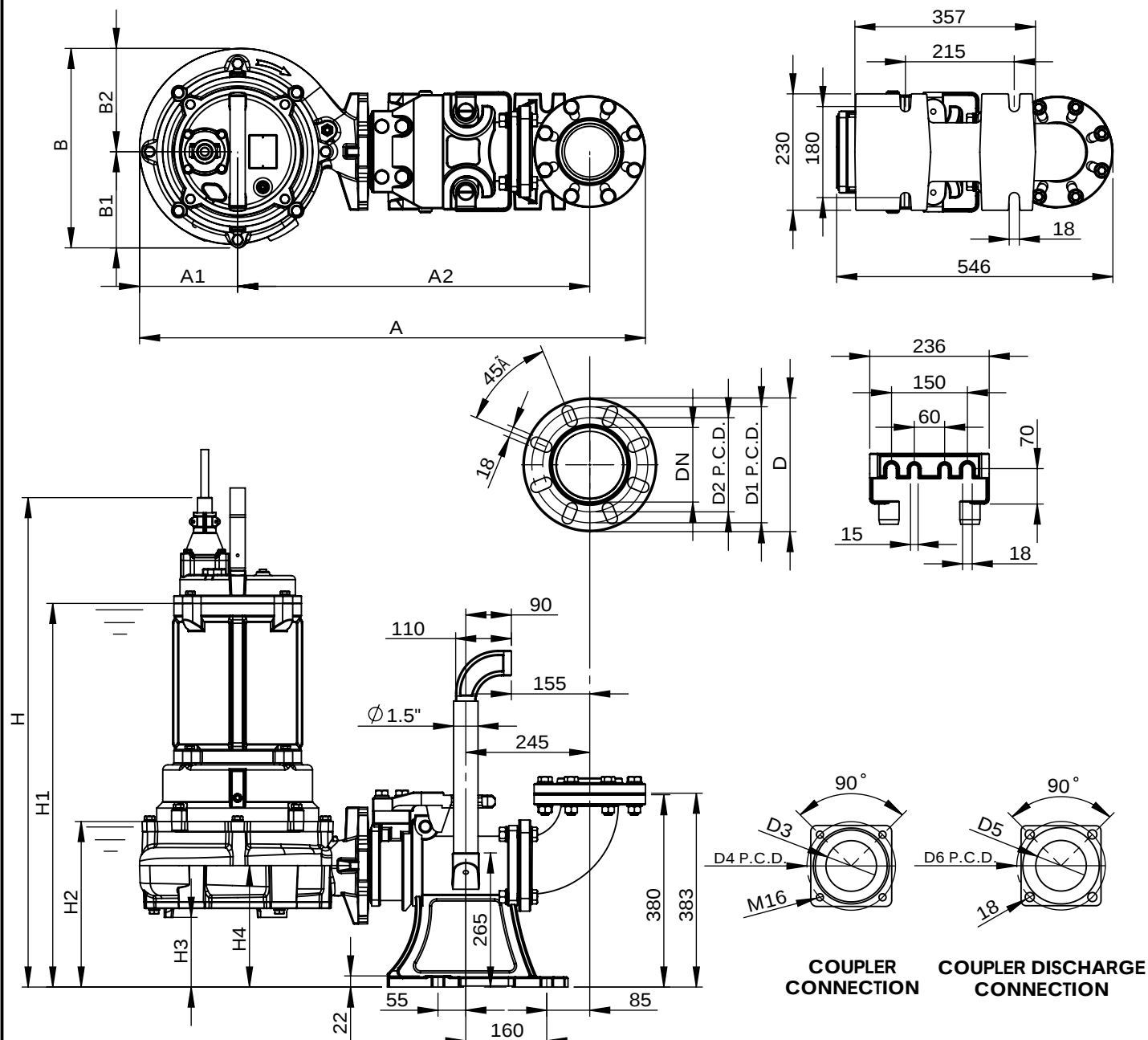
50HZ

SCK SERIES

DIMENSIONAL DRAWING MODEL : SCK475

(10HP) QUICK DISCHARGE CONNECTION :

QL-100



Remark: Remove pump feet for QDC installation

DIMENSION : mm

WEIGHT : kg

PIPE CONNECTION TYPE

PT

NPT

MODEL	A	A1	A2	B	B1	B2	D	D1	D2	D3	D4	D5	D6	DN	H	H1	H2	H3	H4	WT	WT1
SCK475	1000	195	697	394	205	220	220	191	155	100	175	100	175	4"	967	758	308	138	240	166	45

C.W.L.:Continuous Running Water Level

L.W.L.:Lowest Running Water Level

WT : Weight without cable

WT1: Q.D.C. Weight