



Industrial Pumps

50 hz / 60 hz

Performance Curves Data





Dewatering from building and construction sites

Flow rate upto 1500 m³/hr
Maximum head 120 m
Motor upto 222 kW

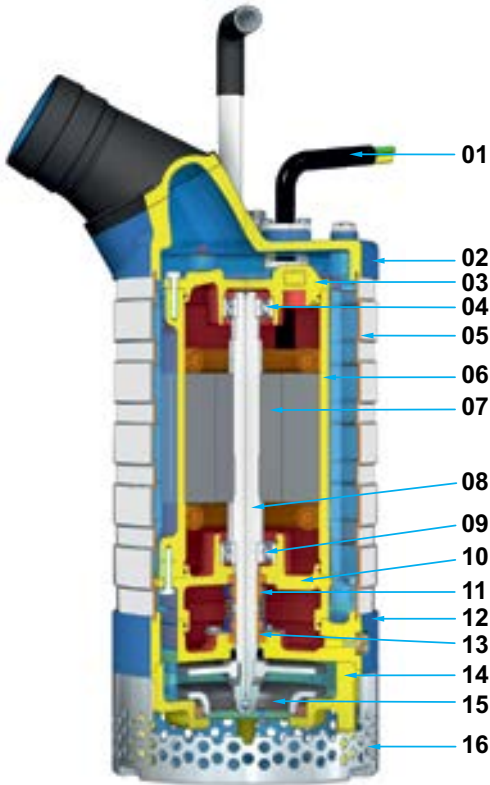
Ease of use, easy maintenance and cost effective solutions



Submersible Dewatering Pumps

DCAL Series

Cross Section • Model : Aluminium • 1 to 15 HP



NO.	DESCRIPTION	MATERIAL
01	POWER & CONTROL CABLE	PVC. INSU. SHEATHED
02	DISCHARGE OUT LET	ALUMINIUM
03	TOP BEARING COVER	ALUMINIUM
04	BALL BEARING (N.D.E.)	FAG. (GREASE LUB.)
05	BODY JACKET	S.S. 304
06	STATOR BODY	ALUMINIUM
07	ROTOR	ALU. DYE-CAST
08	ROTOR SHAFT	S.S. 410
09	BALL BEARING (D.E.)	FAG. (GREASE LUB.)
10	BEARING HOUSING	ALUMINIUM
11	MECH. SEAL (UPPER)	CR / SS
12	BYPASS	ALUMINIUM
13	MECH. SEAL (LOWER)	TC / TC
14	GUIDE VANE	C.I.
15	IMPELLER	C.I. / S.S.
16	BASE WITH STRAINER	ALUMINIUM / S.S.
#	FASTENER	S.S. 304
Note: M.O.C. SHOWING MAJOR PARTS ONLY		

GA Drawing • Model : Aluminium • 1 to 15 HP



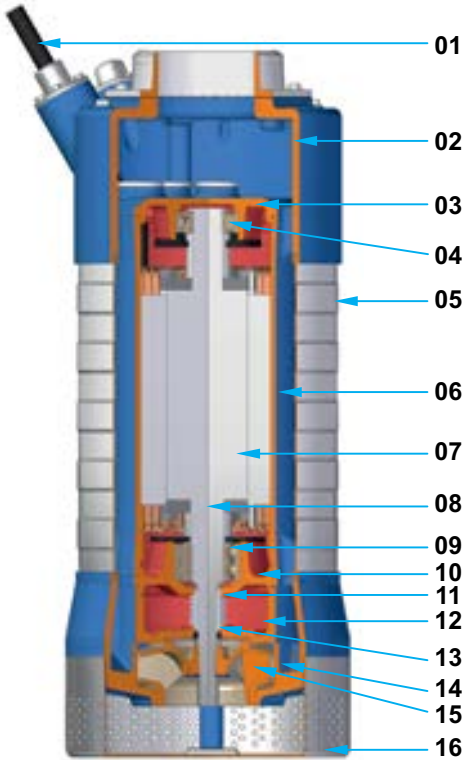
All Dimension are in mm

MODEL	MIN. OPENING	A	D	L	PUMP WEIGHT in Kg.	BOX SIZE LxBxH in inch	TOTAL WEIGHT in Kg.
2DCAL1C2H	275	200	50	410	21	18x12x9	26
2DCAL2C3H	275	200	75	430	26	18x12x9	32
2DCAL3C3H	280	210	75	420	30	18x12x10	37
2DCAL5C4M	280	240	100	500	45	21x12x11	55
2DCAL5C3H	280	240	75	500	45	21x12x11	55
2DCAL7.5C4M	390	270	100	495	55	21x17x12	70
2DCAL7.5C3H	390	270	75	495	55	21x17x12	70
2DCAL10C4M	390	270	100	550	65	23x17x12	100
2DCAL10C3H	390	270	75	550	65	23x17x12	100
2DCAL15C6M	440	305	150	825	105	34x19x13	145
2DCAL15C4H	440	305	100	845	105	35x19x13	145
2DCAL15C3HH	440	305	75	835	105	35x19x13	145

Submersible Dewatering Pumps

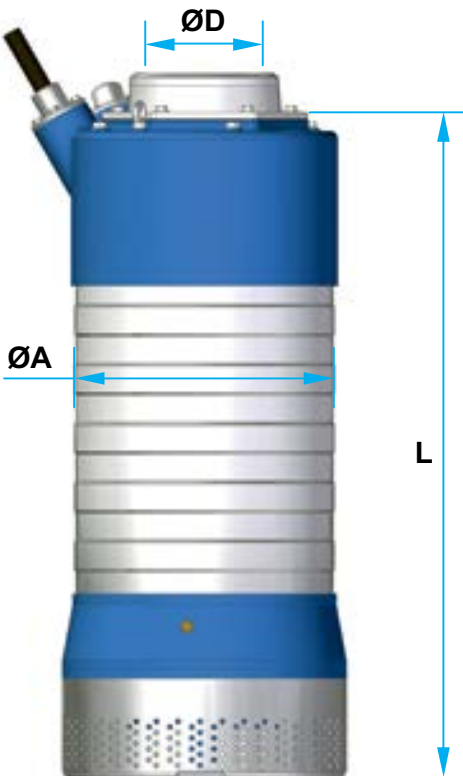
DCAL Series

Cross Section • Model : 25 to 85 HP



NO.	DESCRIPTION	MATERIAL
01	POWER & CONTROL CABLE	PVC INSULATED SHEATHED
02	DISCHARGE OUTLET	ALLUMINIUM
03	TOP BRG. COVER	C.I. IS-210, FG260
04	BALL BEARING	FAG. (GREASE LUB.)
05	BODY JACKET	S.S. 304
06	STATOR BODY	ALLUMINIUM
07	ROTOR	ALLU. DYE CAST
08	ROTOR SHAFT	S.S. 410
09	BALL BEARING	FAG. (GREASE LUB.)
10	BRG. HOUSING	C.I. IS-210, FG260
11	MECH SEAL (UPPER)	CR / SS
12	SEAL PLATE	C.I. IS-210, FG260
13	MECH SEAL (LOWER)	SIC / SIC
14	GUIDE VANE	C.I. IS-210, FG260
15	IMPELLER	C.I. / S.S.
16	BASE WITH STRAINER	C.I. / S.S.
#	FASTNER	S.S 304
Note: M.O.C. SHOWING MAJOR PARTS ONLY		

GA Drawing • Model : 25 to 85 HP



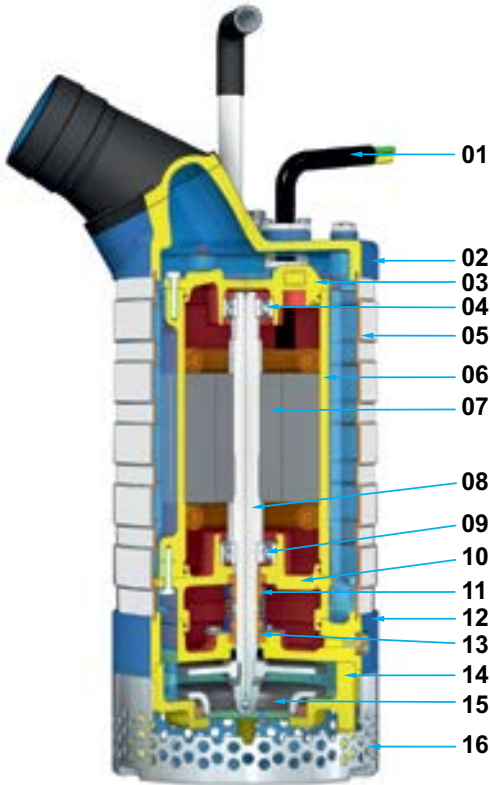
All Dimension are in mm

MODEL	MIN. OPENING	A	D	L	PUMP WEIGHT in Kg.	BOX SIZE LxBxH in inch	TOTAL WEIGHT in Kg.
2DCAL25C6M	Details available on request				Details available on request		
2DCAL25C4H	Details available on request				Details available on request		
4DCAL40C8L	Details available on request				Details available on request		
2DCAL50C8M	Details available on request				Details available on request		
2DCAL50C4H	Details available on request				Details available on request		
4DCAL85C8L	600	475	200/250	1230	Details available on request		
2DCAL85C8M	600	475	200	1230	Details available on request		
2DCAL85C6H	600	475	150	1230	Details available on request		

Submersible Dewatering Pumps

DCSS Series

Cross Section • Model : SS • 1 to 15



NO.	DESCRIPTION	MATERIAL
01	POWER & CONTROL CABLE	PVC. INSU. SHEATHED
02	DISCHARGE OUT LET	S.S. 304 / S.S. 316
03	TOP BEARING COVER	S.S. 304 / S.S. 316
04	BALL BEARING (N.D.E.)	FAG. (GREASE LUB.)
05	BODY JACKET	S.S. 304 / S.S. 316
06	STATOR BODY	S.S. 304 / S.S. 316
07	ROTOR	ALU. DYE-CAST
08	ROTOR SHAFT	S.S. 410
09	BALL BEARING (D.E.)	FAG. (GREASE LUB.)
10	BEARING HOUSING	S.S. 304 / S.S. 316
11	MECH. SEAL (UPPER)	CR / SS
12	BYPASS	S.S. 304 / S.S. 316
13	MECH. SEAL (LOWER)	TC / TC
14	GUIDE VANE	S.S. 304 / S.S. 316
15	IMPELLER	S.S. 304 / S.S. 316
16	BASE WITH STRAINER	S.S. 304 / S.S. 316
#	FASTENER	S.S. 304 / S.S. 316
Note: M.O.C. SHOWING MAJOR PARTS ONLY		

GA Drawing • Model : SS • 1 to 15



All Dimension are in mm

MODEL	MIN. OPENING	A	D	L	PUMP WEIGHT in Kg.	BOX SIZE LxBxH in inch	TOTAL WEIGHT in Kg.
2DCSS1S2H	275	200	50	410	21	18x12x9	50
2DCSS2S3H	275	200	75	430	26	18x12x9	67
2DCSS3S3H	280	210	75	420	30	18x12x10	75
2DCSS5S4M	280	240	100	500	45	21x12x11	91
2DCSS5S3H	280	240	75	500	45	21x12x11	91
2DCSS7.5S4M	390	270	100	495	55	21x17x12	170
2DCSS7.5S3H	390	270	75	495	55	21x17x12	170
2DCSS10S4M	390	270	100	550	65	23x17x12	192
2DCSS10S3H	390	270	75	550	65	23x17x12	192
2DCSS15S6M	440	305	150	825	105	34x19x13	280
2DCSS15S4H	440	305	100	845	105	35x19x13	280
2DCSS15S3HH	440	305	75	835	105	35x19x13	280

Submersible Dewatering Pumps

DCSS Series with SS 304 & SS 316 Construction

Performance Chart • 2900 / 3500 RPM

No.	Model	HP/KW	Del. Size in mm	HEAD IN METERS																																																
				DISCHARGE IN m ³ /hr																																																
				2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78										
1	2DCSS1S2H	1.0/0.75	50			24	19	13	7																																											
2	2DCSS2S3H	2.0/1.5	75				34	27	20	11																																										
3	2DCSS3S3H	3.0/2.2	75							50	48	44	41	37	33	29	22	16	8																																	
4	2DCSS4S4M	5.0/3.7	100							122	115	107	98	88	77	65	48	27																																		
5	2DCSS5S3H	5.0/3.7	75							51	48	45	42	39	36	32	29	26	22	19	15	12	8	4																												
6	2DCSS7.5S4M	7.5/5.5	100																																																	
7	2DCSS7.5S3H	7.5/5.5	75							72	68	64	60	56	52	48	44	40	36	31	27	22	18	13	9	4																										
8	2DCSS10S4M	10.0/7.5	100							198	184	169	154	140	125	111	96	80	64	48	32	16																														
9	2DCSS10S3H	10.0/7.5	75							65	63	61	60	58	56	55	53	51	50	48	46	44	43	41	39	37	36	32	30	27	25	22	19	17	14	11	8	6	3													
10	2DCSS15S6M	15.0/11.2	150							198	190	182	174	166	158	150	141	131	126	110	98	84	70	56	42	28	14																									
11	2DCSS15S4H	15.0/11.2	100																																																	
12	2DCSS15S4HH	15.0/11.2	100																																																	

Performance Curves • 2900 / 3500 RPM

