

Diffuser Submersible Dewatering Pumps

UCF Series

#Cylindrical / #SpaceSaving / #DeepWell



UCF-253A
(Hose Coupling)



UCF-283A
(Center Flange)

- The cylindrical and almost straight body brings no trouble in handling the pump.
- The hose coupling type and the flange type are available as standard models.
- The Flange is on the same line as the centerline of the motor.
- The top discharge and the cylindrical water channel provides efficient motor cooling.

◆Applications

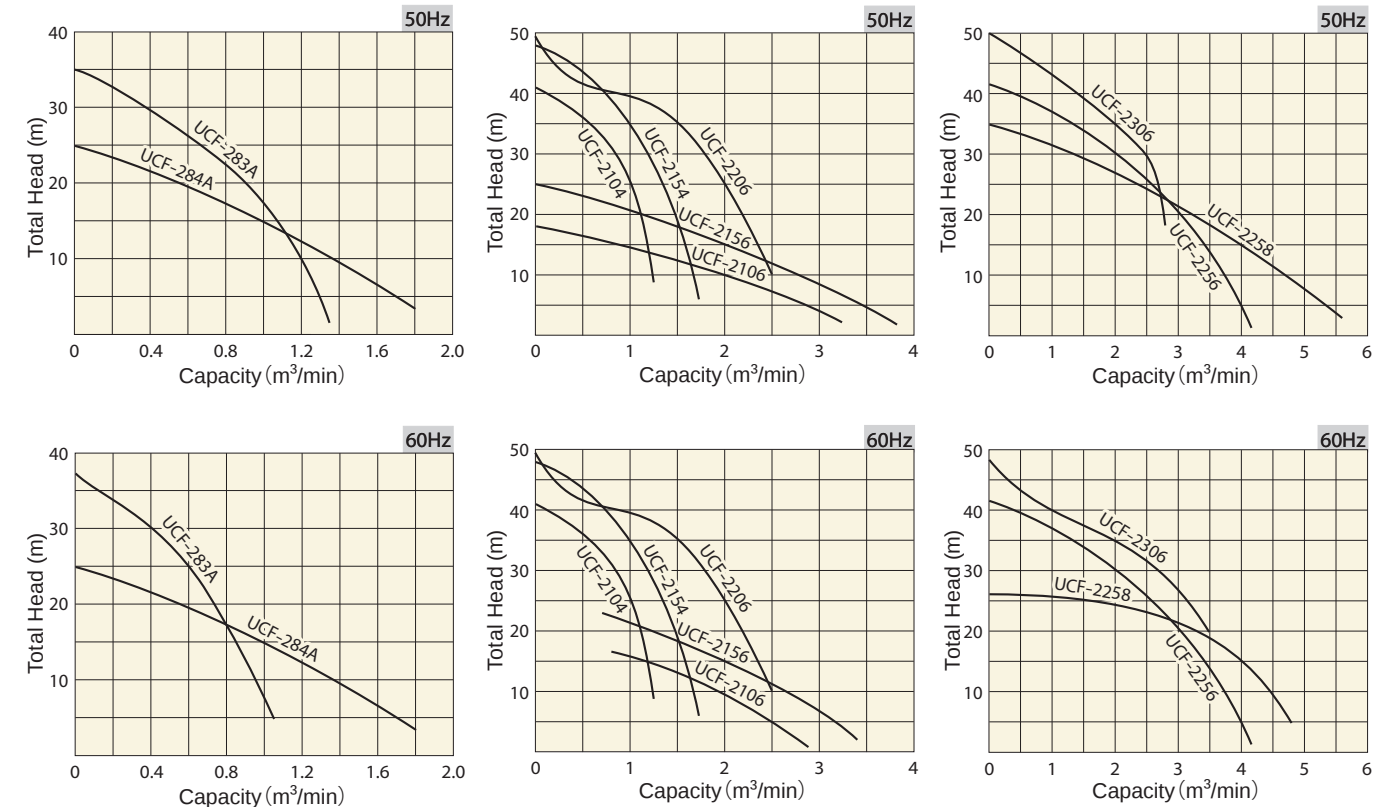
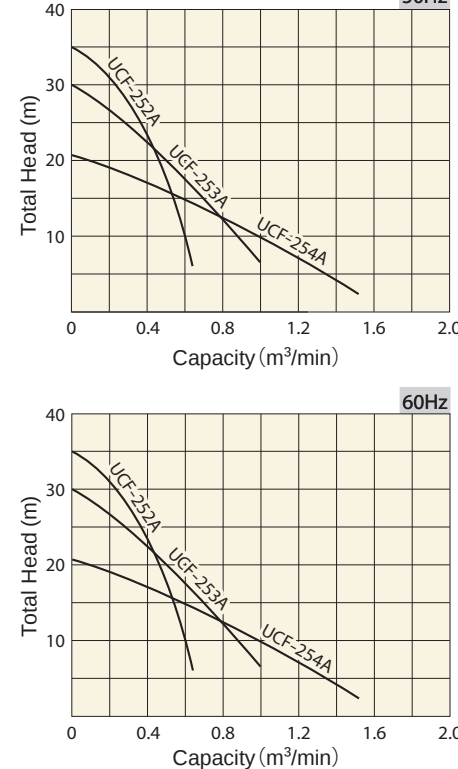
- Dewatering on ground / underground / tunneling construction sites
- Drainage at basements / underpasses / mining sites / in pits
- Groundwater lowering - deep well and well-point drainage

◆Main Specifications

Discharge Diameter (mm)		50	80	100	80	100	100	150	100	150	150	150	200	150
Pump Models		UCF-252A	UCF-253A	UCF-254A	UCF-283A	UCF-284A	UCF-2104	UCF-2106	UCF-2154	UCF-2156	UCF-2206	UCF-2256	UCF-2258	UCF-2306
Motor Output (kW)		3.7	3.7	3.7	5.5	5.5	7.5	7.5	11	11	15	19	19	22
Medium	Type	Rain Water / Spring Water / Muddy Water												
	Temperature	Max 40 Degrees Celsius												
Pump	Shaft Seal	Double Type Mechanical Seal												
	Shaft Bearing	Sealed Ball Bearing												
	Impeller	High Chrome										*FCD	High Chrome	*FCD
	Casing	*FCD	*RL				*FCAD	*RL	*FCAD	*RL	*FCAD	*RL		*FCAD
	Discharge Type	Hose Coupling(Center Flange)												
Motor	Type/Pole	Dry Type Induction Motor/2pole												
	Insulation Class	B						E		B				
	Protector	Auto-Cut												
	Frame	*FC												
	Shaft	Stainless Steel												

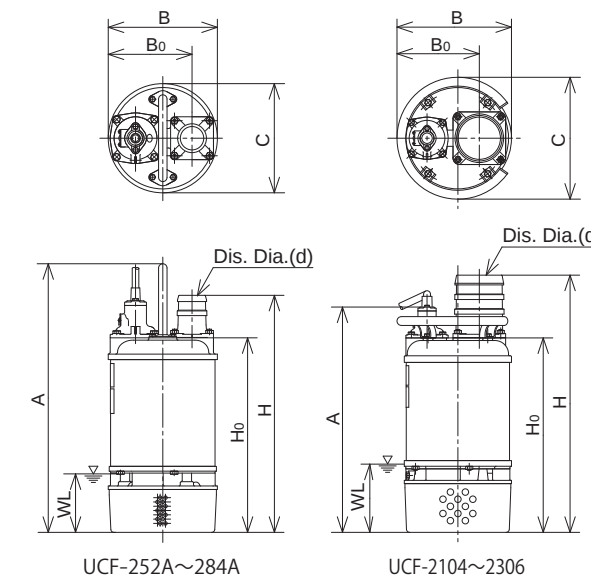
*FCD : Ductile Cast Iron / RL : Rubber Lining / FCAD : Austempered Ductile Iron / FC : Cast Iron

◆Performance Curve



◆Specifications(Hose Coupling)

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UCF-252A	3.7	30	0.2	DOL	9	86	10
80	UCF-253A	3.7	20	0.5	DOL	9	80	10
100	UCF-254A	3.7	10	1	DOL	12	82	10
80	UCF-283A	5.5	28	0.5	DOL	9	80	10
100	UCF-284A	5.5	15	1	DOL	12	82	10
100	UCF-2104	7.5	27	1	DOL	8	113	10
150	UCF-2106	7.5	10	2	DOL	20	106	10
100	UCF-2154	11	35	1	DOL	8	118	10
150	UCF-2156	11	15	2	DOL	20	111	10
150	UCF-2206	15	25	2	DOL	8	151	10
150	UCF-2256	19	30	2	DOL	20	225	10
200	UCF-2258	19	15	4	DOL	20	214	10
150	UCF-2306	22	35	2	DOL	20	228	10



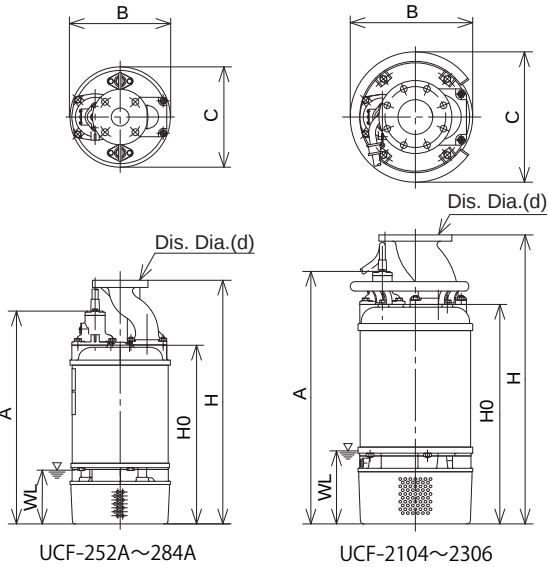
◆External Diagrams (mm)

Pump Models	d	H	H0	A	B	B0	C	WL
UCF-252A	50	584	499	689	280	215	280	150
UCF-253A	80	609	499	689	280	215	280	150
UCF-254A	100	609	499	689	280	215	280	150
UCF-283A	80	609	499	689	280	215	280	150
UCF-284A	100	609	499	689	280	215	280	150
UCF-2104	100	774	632	727	353	254	375	210
UCF-2106	150	826	632	727	353	254	375	210
UCF-2154	100	741	599	694	353	254	375	210
UCF-2156	150	793	599	694	353	254	375	210
UCF-2206	150	843	649	744	353	254	376	210
UCF-2256	150	901	699	794	430	290	459	250
UCF-2258	200	931	699	794	430	290	459	250
UCF-2306	150	901	699	794	430	290	459	250

WL : Pump Starting Level

◆ Specifications(Center Flange)

Discharge Diameter (mm)	Pump Models	Motor Output (kW)	Total Head (m)	Capacity (m³/min)	Starting	Max Solid Through (mm)	Weight (kg) *Without Cable	Cable Length (m)
50	UCF-252A	3.7	30	0.2	DOL	9	90	10
80	UCF-253A	3.7	20	0.5	DOL	9	85	10
100	UCF-254A	3.7	10	1	DOL	12	90	10
80	UCF-283A	5.5	28	0.5	DOL	9	85	10
100	UCF-284A	5.5	15	1	DOL	12	90	10
100	UCF-2104	7.5	27	1	DOL	8	118	10
150	UCF-2106	7.5	10	2	DOL	20	113	10
100	UCF-2154	11	35	1	DOL	8	123	10
150	UCF-2156	11	15	2	DOL	20	118	10
150	UCF-2206	15	25	2	DOL	8	159	10
150	UCF-2256	19	30	2	DOL	20	231	10
200	UCF-2258	19	15	4	DOL	20	224	10
150	UCF-2306	22	35	2	DOL	20	231	10

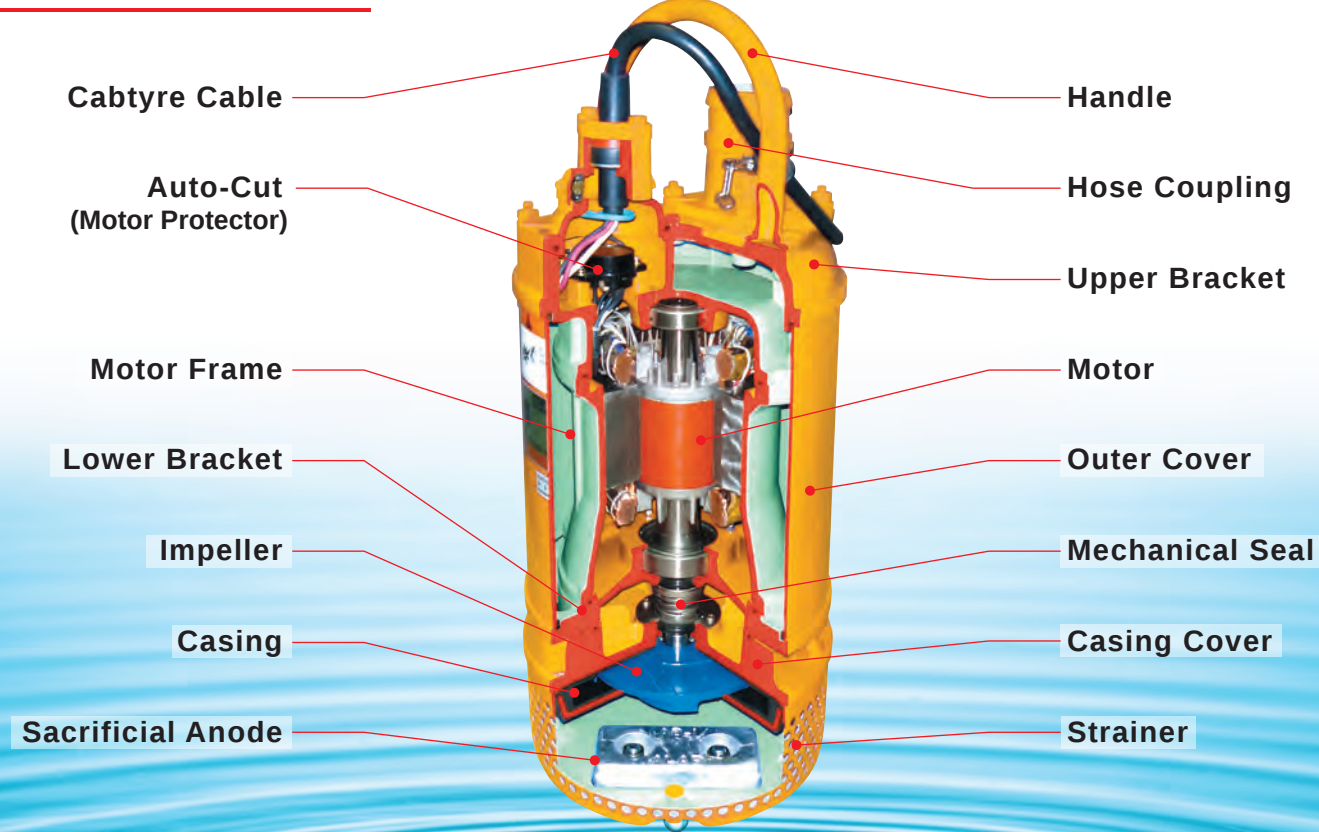


◆ External Diagrams(Center Flange) (mm)

Pump Models	d	H	H0	A	B	C	WL
UCF-252A	50	681	499	594	280	280	150
UCF-253A	80	689	499	594	280	280	150
UCF-254A	100	701	499	594	280	280	150
UCF-283A	80	689	499	594	280	280	150
UCF-284A	100	701	499	594	280	280	150
UCF-2104	100	834	632	727	353	353	219
UCF-2106	150	859	632	727	353	353	210
UCF-2154	100	801	599	694	353	353	210
UCF-2156	150	826	599	694	353	353	210
UCF-2206	150	876	649	744	353	353	210
UCF-2256	150	911	699	794	430	430	250
UCF-2258	200	951	699	794	430	430	250
UCF-2306	150	911	699	794	430	430	250

WL : Pump Starting Level

Cylindrical Water Channel



Single Water Channel

