

UC-UCF SERIES

HEAVY DUTY DEWATERING



UC AND UCF - RUGGED AND ROBUST

The UC is manufactured from corrosion resistant aluminium alloy. The UCF series uses selected iron castings providing a more robust, heavy duty unit. Performance data is identical for both series.



MOTOR PROTECTION

An "Auto-Cut" recycling thermal protector is embedded at the neutral point of the motor winding circuit to protect against thermal overload (Other than 200V to 230V units above 19kW are not fitted with "Auto-Cut"). Original switch boxes for 400V class motors are available at extra cost.

MOTOR

The stators comply with Class B insulation rating, high heat resistance. The motors are designed to provide high motor efficiency and torque. Class B rated insulation is a feature of the range. Maximum water temperature is 40°C. For higher operating temperatures consult your distributor.

SACRIFICIAL ANODE

To decrease the risk of galvanic corrosion each model is provided with an aluminium alloy anode. For severely corrosive service conditions such as sea water consult your distributor.

MOTOR COOLING

Water jacketed slim line cylindrical design provides efficient motor cooling by circulating pumped water.

SHAFT SEAL

A new design pressure resistant Mechanical Seal (980kpa) is incorporated. This double seal is cooled and lubricated in an oil bath which guarantees reliable sealing and service for maximum life, at demanding installations. The seal is effective to 70m submergence. However, for normal operation maximum submergence of 30m is recommended. For greater than 30m submergence or brackish and seawater operation consult your distributor.

DURABILITY

The closed type impeller made of High Chrome Alloy is housed in a heavy gauge body and gives high efficiency pump performance. When combined with available casing material the pump provides excellent wear resistance in water containing abrasive particles.

The impeller is made from High Chrome Alloy (except UC/UCF-2256 and 22306) and is precisely balanced. For resistance to abrasive particles most models feature rubber coated casing discharge and suction cover.

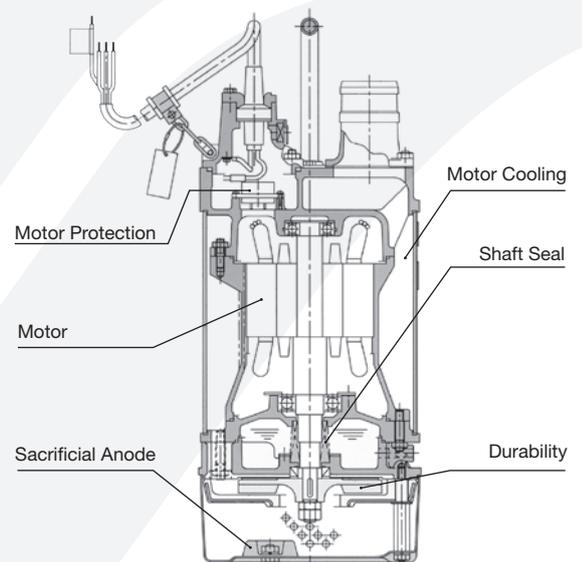
SIMPLE AND ECONOMICAL

Common and interchangeable parts between the UC and UCF series simplifies fleet servicing and reduces costs.

APPLICATIONS

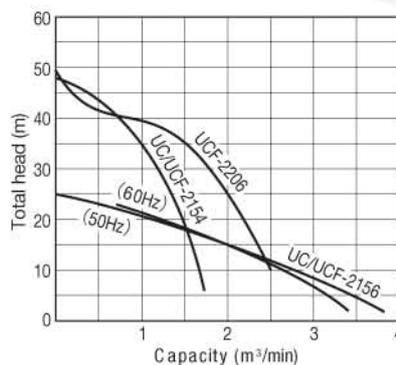
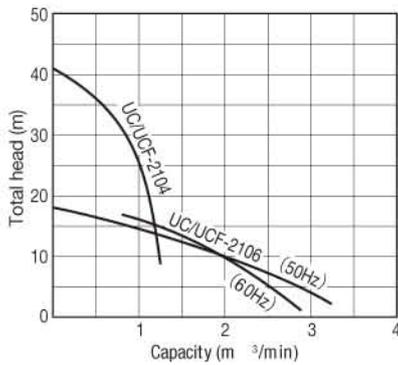
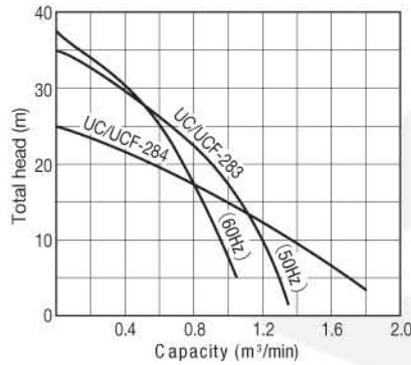
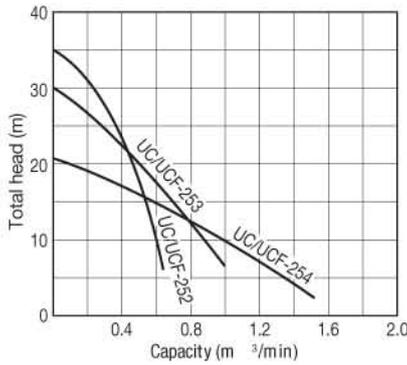
Civil engineering and construction
Tunnel and caisson dewatering
Narrow trenches
Manholes
Pit and sump dewatering
Irrigation, etc.

CUT-AWAY SECTION



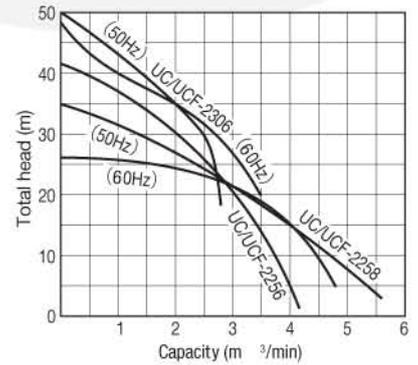
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PERFORMANCE CURVES



Center-flange type

Hose-coupling type



SPECIFICATIONS

MODELS	DISCHARGE DIA		MOTOR OUTPUT		TOTAL HEAD	CAPACITY	CABLE LENGTH	WEIGHT WITHOUT CABLE
	mm	in	kW	HP	m	m³/min	m	kg
UC-252	50	2	3.7	5	30	0.2	10	51
UCF-252								89
UC-253	80	3	3.7	5	20	0.5	10	49
UCF-253								82
UC-254	100	4	3.7	5	10	1	10	49
UCF-254								84
UC-283	80	3	5.5	7.5	28	0.5	10	49
UCF-283								82
UC-284	100	4	5.5	7.5	15	1	10	49
UCF-284								84
UC-2104	100	4	7.5	10	27	1	10	82
UCF-2104								118
UC-2106	150	6	7.5	10	10	2	10	79
UCF-2106								113
UC-2154	100	4	11	15	35	1	10	87
UCF-2154								123
UC-2156	150	6	11	15	15	2	10	84
UCF-2156								118
UCF-2206	150	6	15	20	35(25)*	1.5(2)*	10	139
UC-2256	150	6	19	25	30	2	10	167
UCF-2256								231
UC-2258	200	8	19	25	15	4	10	157
UCF-2258								224
UC-2306	150	6	22	30	35	2	10	170
UCF-2306								231

*Figures in parentheses refer at 60Hz. † Specifications are subject to change without notice.