

ECY-30 Ice Machine Pump Motor

(30 Watt - Input Power)



Introduction

The ECY-30 pump motor has been designed as an energy efficient replacement to shaded pole and PSC motors used in ice making machines.

The motor is constructed with sealed ball bearings, meets IP65 ingress protection and incorporates a rubber sling washer on the motor shaft which has been designed to throw water which has travelled up the motor shaft by capillary action back into the water chamber.

Using our ECY-30 motor with high efficiency levels this helps reduce input power and eliminate a heat source within the application which results in higher life expectancy whilst used in continuous operation.

Flow rates upto 47 l/min (12 US Gal/Min) with head height of 160cm (65") with a 19mm (0.75") outlet port.

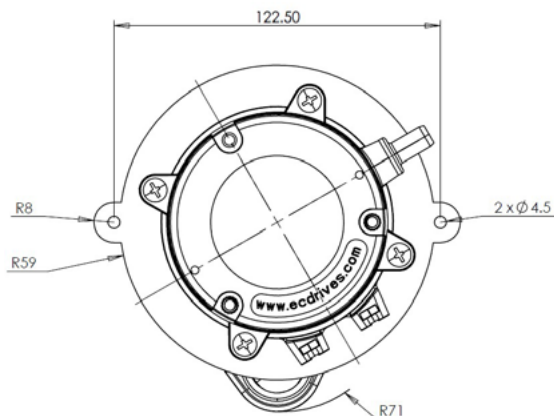
The pump assembly can be supplied with a customer bespoke stainless steel bracket for easy fitment and the motor cable can be supplied to customer requirement and include customer specific connectors / moulded plugs.

Side fixing brackets can be fitted using the side fixing feet, therefore, allowing the customer to suspend the motor over the water chamber.

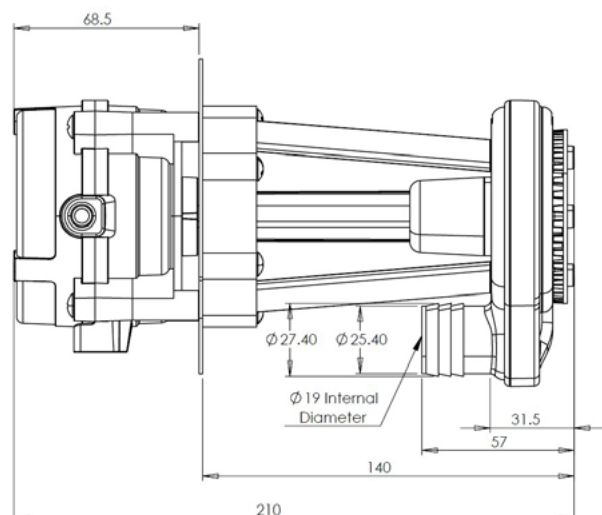
Technical Data

Input Voltage Range	110VAC or 230VAC Single Voltage and 110-230VAC Global Voltage
Maximum Input Power	30 Watt
Maximum Output Power	21 Watt
Efficiency	70%
Insulation Class	Class B (130°C)
Thermal Protection	Thermally Protected Windings
Electronic Protection	Locked Rotor & Auto-Restart, Current Limit
Ingress Protection	IP65 (per ISO/EN 60529 2003)
L10 Life Expectancy	40,000 Hours @ 40°C ambient (motor installed vertical)
Operating Temperature	-40°C to +50°C (-40°F to 122°F)
Shaft Material	Stainless Steel 303
Fixing Plate	Stainless Steel 430
Motor Housing Material	PBT (Food Grade Compliant)
Column Pump Material	ABS (Food Grade Compliant)
Impellor Material	POM (Food Grade Compliant)

DIMENSIONS (UNIT:MM)



Stainless steel fixing plate. Can be designed to meet customer requirements



Please contact us if you have any queries or need additional information

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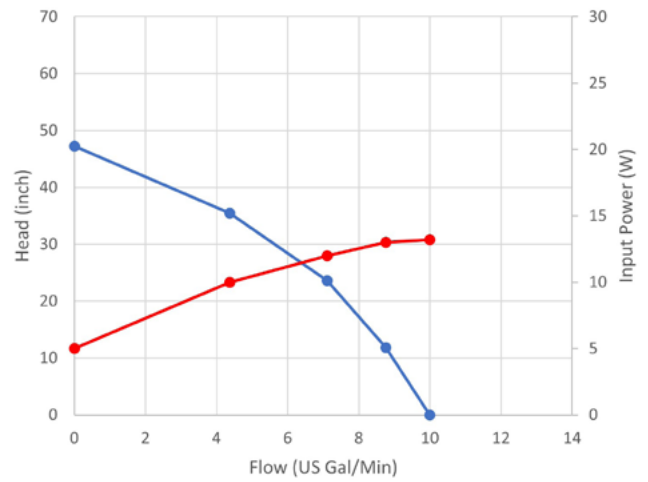
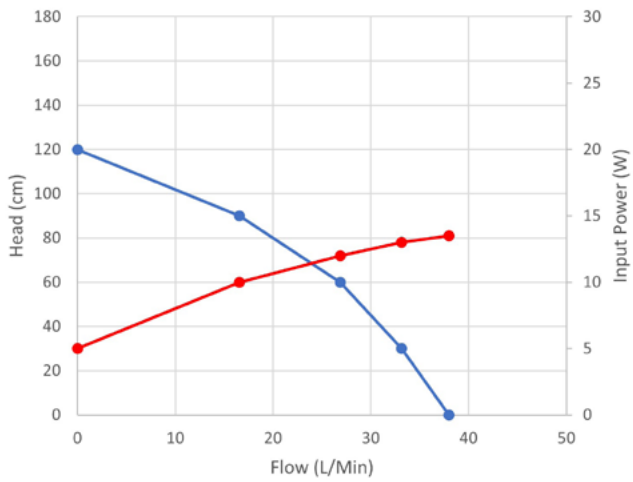
sales@ecdrives.com

Performance Data

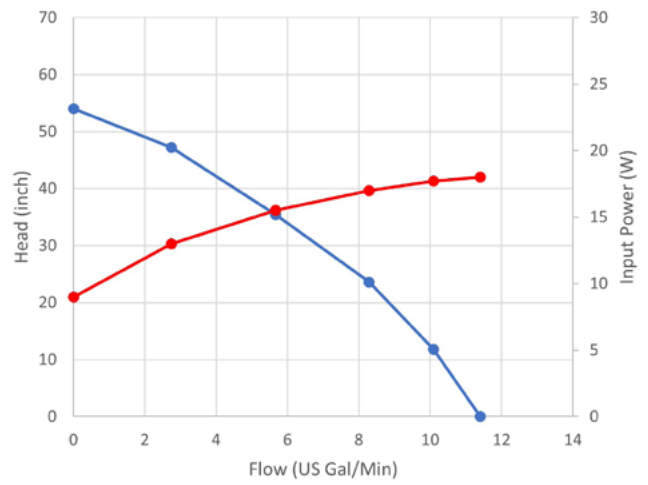
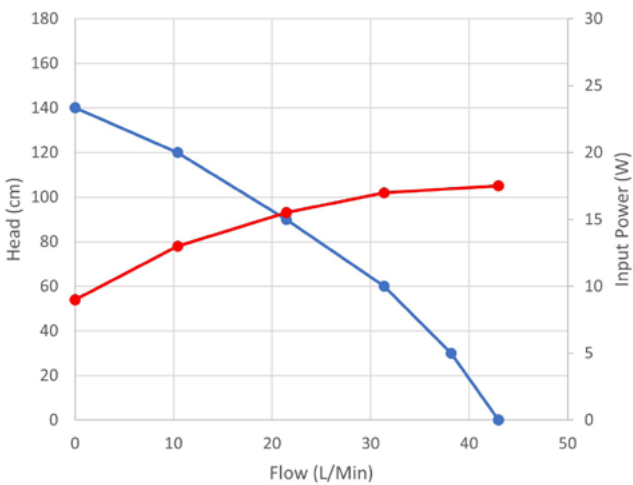
Metric

1300 rpm

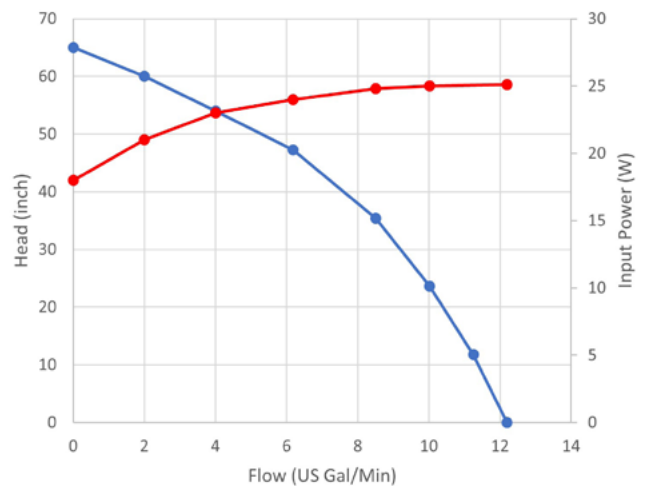
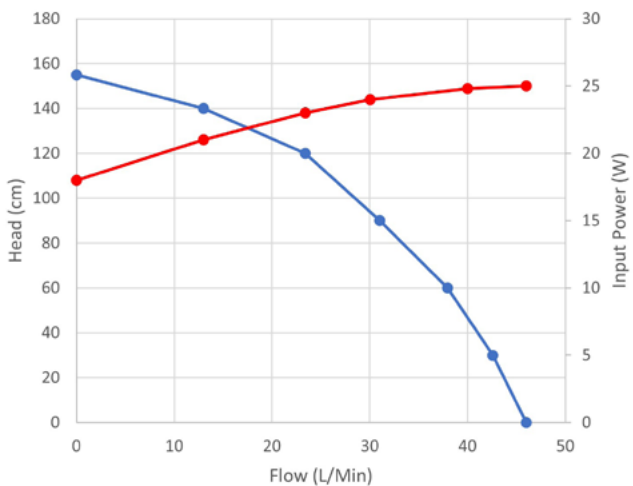
Imperial



1400 rpm



1600 rpm



Pump tested in controlled environment with clean water at 20°C. Performance may differ depending on application and setup.

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