

### MOTOR SPECIFICATIONS

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| <b>Motor Design</b>            | NEMA design B, squirrel cage induction, air filled |
| <b>Motor Type</b>              | Enclosed submersible, IP 68                        |
| <b>Maximum submergence</b>     | 65 feet (20m)                                      |
| <b>Insulation Class</b>        | Class F, rated at 155° C                           |
| <b>Motor Protection</b>        | Bi-metallic Thermal Switch                         |
| <b>Bi-Metallic Temp Trip</b>   | 130° C ± 5° C                                      |
| <b>Service Factor</b>          | 1.15                                               |
| <b>Max. Liquid Temperature</b> | 104°F (40°C)                                       |
| <b>Voltage Tolerance</b>       | ± 10% from nominal                                 |
| <b>MSHA Approval</b>           | 2G-3142A-0                                         |



### MOTOR DATA, 60Hz

| Model   | Phase | Output Power BHP | Volts | Full Load Amps | Locked Rotor Amps | NEMA Code Letter | Power Factor 100% Load | Motor Efficiency 100% Load | Pole/Speed (rpm) |
|---------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| SX-2000 | 3     | 18               | 230   | 49             | 242.3             | F                | 0.87                   | 0.87                       | 2/3450           |
|         |       |                  | 460   | 24.5           | 121.1             | F                | 0.87                   | 0.87                       | 2/3450           |
|         |       |                  | 575   | 17.25          | 84.3              | E                | 0.87                   | 0.87                       | 2/3450           |
|         |       |                  | 950   | 13             | 75                | H                | 0.87                   | 0.87                       | 2/3450           |

### MATERIALS OF CONSTRUCTION

| Material           | Standard                                                 | High chrome                                              |
|--------------------|----------------------------------------------------------|----------------------------------------------------------|
| Upper Motor Lid    | 356-T6 Aluminum                                          | 356-T6 Aluminum                                          |
| Motor Housing      | 356-T6 Aluminum                                          | 356-T6 Aluminum                                          |
| Lower Seal Housing | AISI 304 Stainless Steel                                 | ASTM A532 Class III Type Chromium                        |
| Volute             | 356-T6 Aluminum - Rubber Lined                           | 356-T6 Aluminum - Polyurethane Lined                     |
| External Hardware  | AISI 304 Stainless Steel                                 | AISI 304 Stainless Steel                                 |
| O-Rings            | NBR                                                      | NBR                                                      |
| Motor Shaft        | AISI 416 Stainless Steel                                 | AISI 416 Stainless Steel                                 |
| Upper Bearing      | Deep groove ball bearing, double sealed                  | Deep groove ball bearing, double sealed                  |
| Lower Bearing      | Double row angular contact ball bearing, double shielded | Double row angular contact ball bearing, double shielded |
| Upper Shaft Seal   | Carbon/Ceramic                                           | Carbon/Ceramic                                           |
| Lower Shaft Seal   | SiC/SiC                                                  | SiC/SiC                                                  |
| Impeller HH        | AISI 316 Stainless Steel                                 | ASTM A532 Class III Type Chromium                        |
| Impeller HV        | 17-4PH Stainless Steel                                   | ASTM A532 Class III Type Chromium                        |

### DIMENSIONS, WEIGHT, AND MISC.

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Pump weight (without cable)</b> | 282 lbs (127.9 kg)       |
| <b>Discharge size, HH</b>          | 4 inch NPT male vertical |
| <b>Discharge size, HV</b>          | 6 inch NPT male vertical |

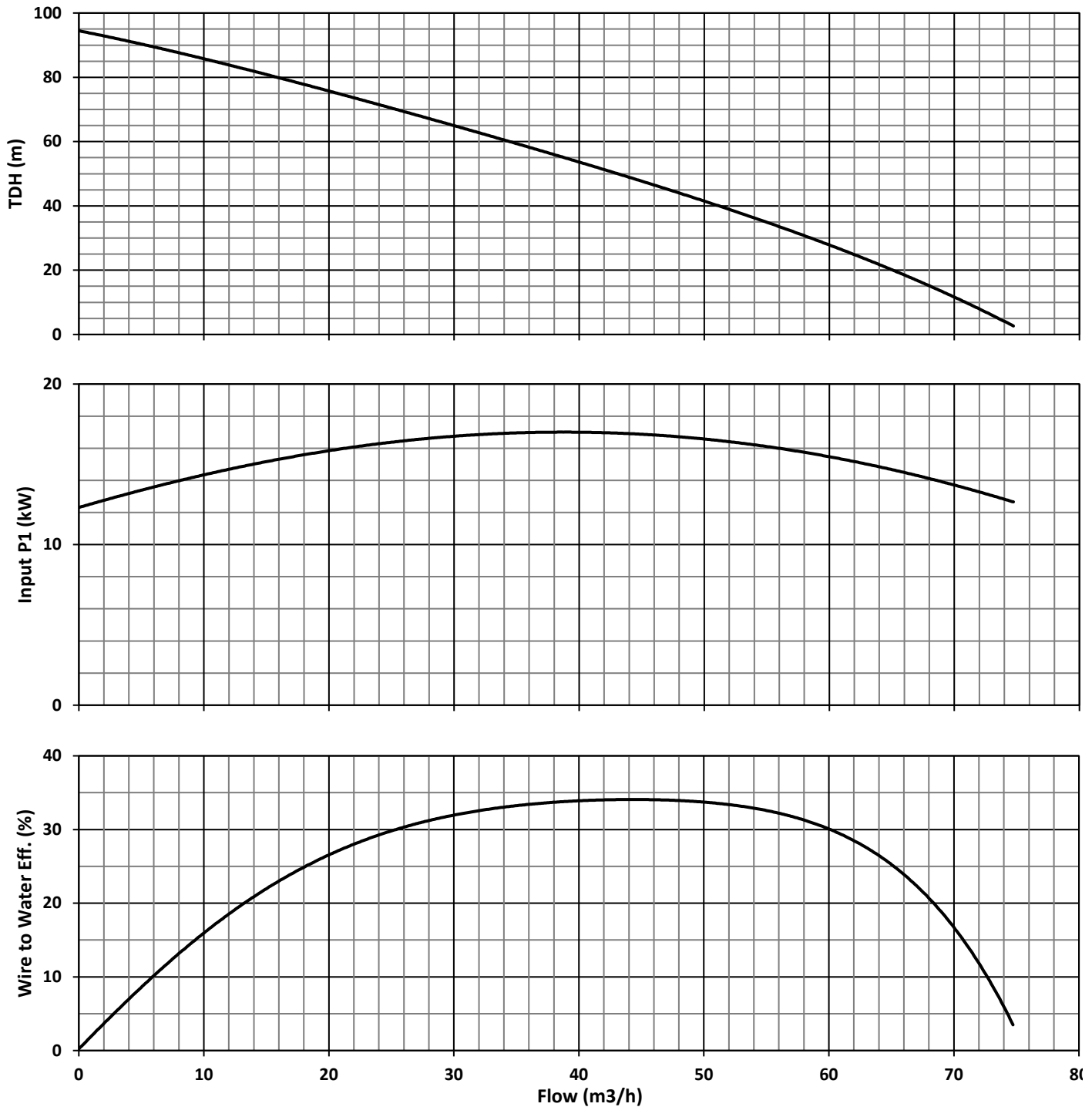
### CABLE SPECIFICATIONS

| MODEL  | PHASE/VOLTAGE | POWER CABLE *      | LENGTH *          | OUTER JACKET    |
|--------|---------------|--------------------|-------------------|-----------------|
| SX2000 | 3Ø-230V       | 8/3, 6/3, 4/3 G-GC | Per MSHA Approval | CPE, Heavy Duty |
|        | 3Ø-460V       | 8/3, 6/3, 4/3 G-GC | Per MSHA Approval | CPE, Heavy Duty |
|        | 3Ø-575V       | 8/3, 6/3, 4/3 G-GC | Per MSHA Approval | CPE, Heavy Duty |
|        | 3Ø-950V       | 6/3, 4/3 SHD-GC    | Per MSHA Approval | CPE, Heavy Duty |

\* Cable size and length per MSHA approval.



Specifications subject to change without notice

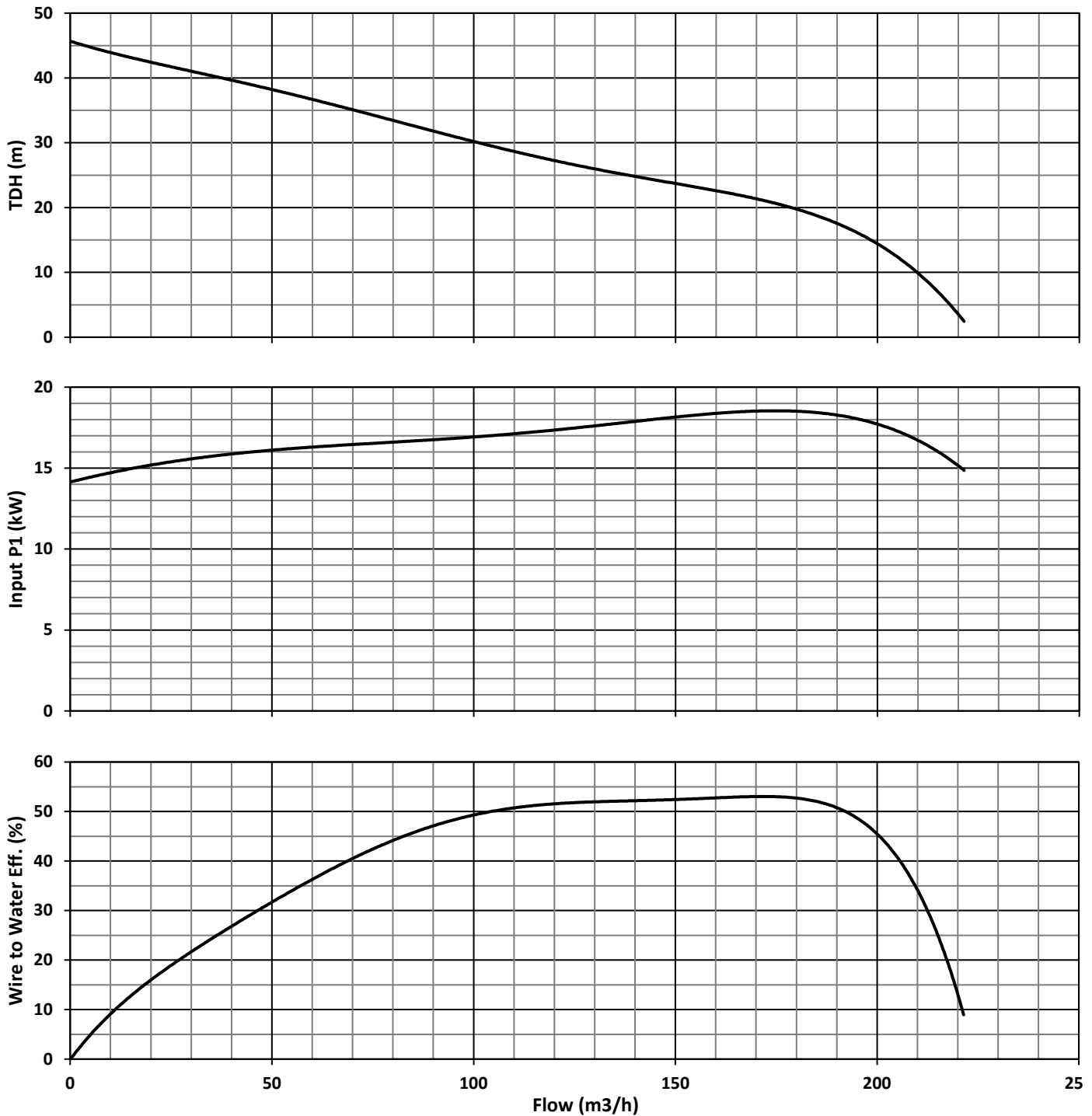


**Pump Performance Test - Metric Units**

Test Standard : HI 11.6 Gr 3B  
 Tested with water at 20°C  
 Frequency            60 Hz  
 Pump Speed         3450 RPM  
 Impeller             Ø185 / 178mm

Specifications subject to change without notice

**Dwg:** DS-A16-089    **Rev:** 3    **Date:** 11/7/2016



**Pump Performance Test - Metric Units**

Test Standard : HI 11.6 Gr 3B  
 Tested with water at 20°C  
 Frequency            60 Hz  
 Pump Speed        3450 RPM  
 Impeller            Ø160mm

Specifications subject to change without notice



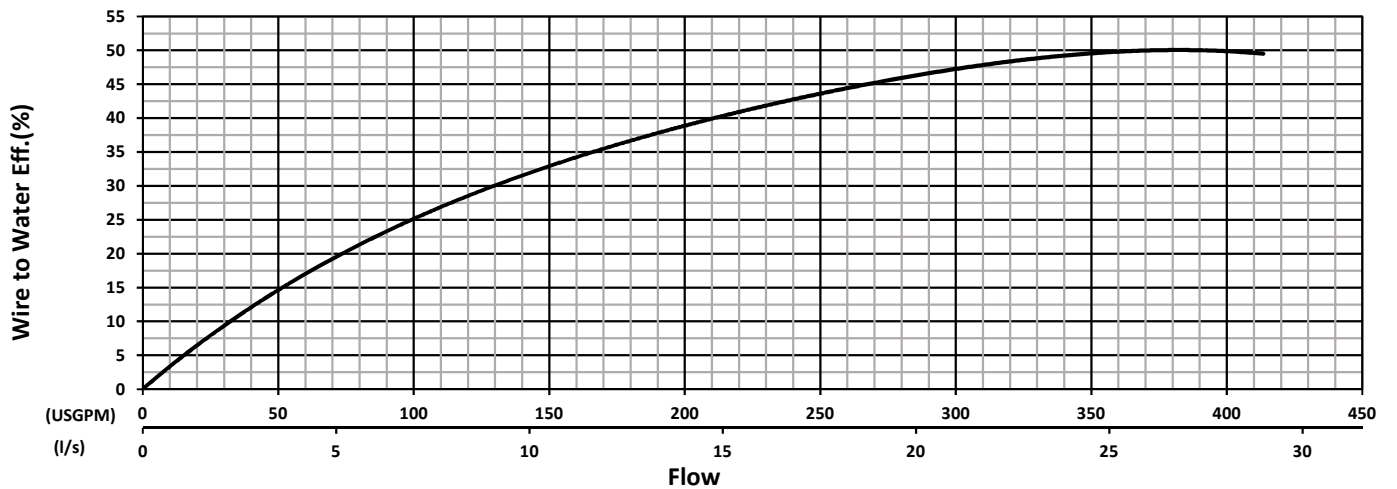
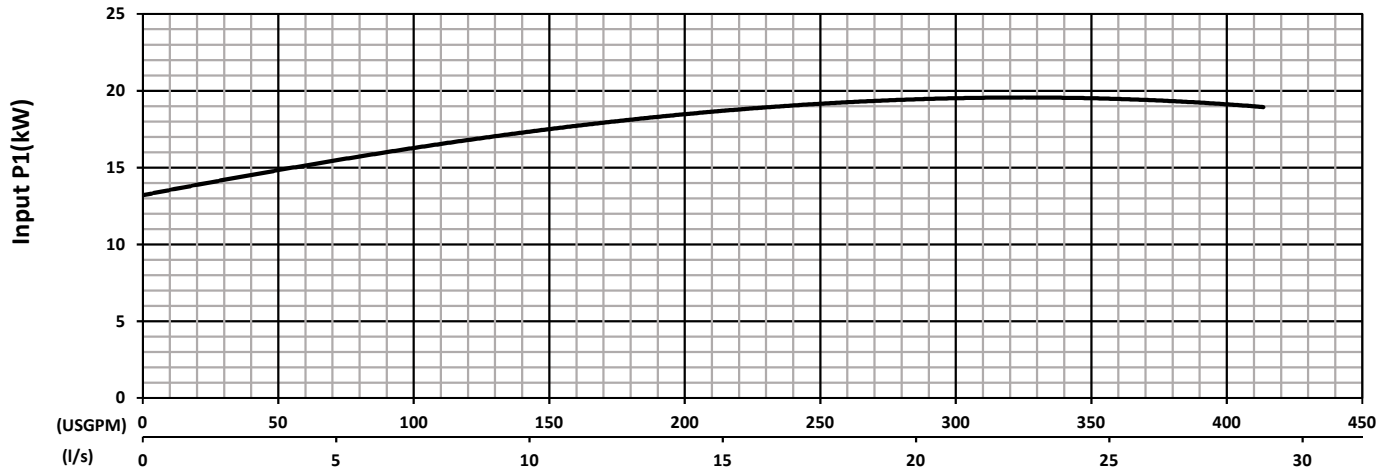
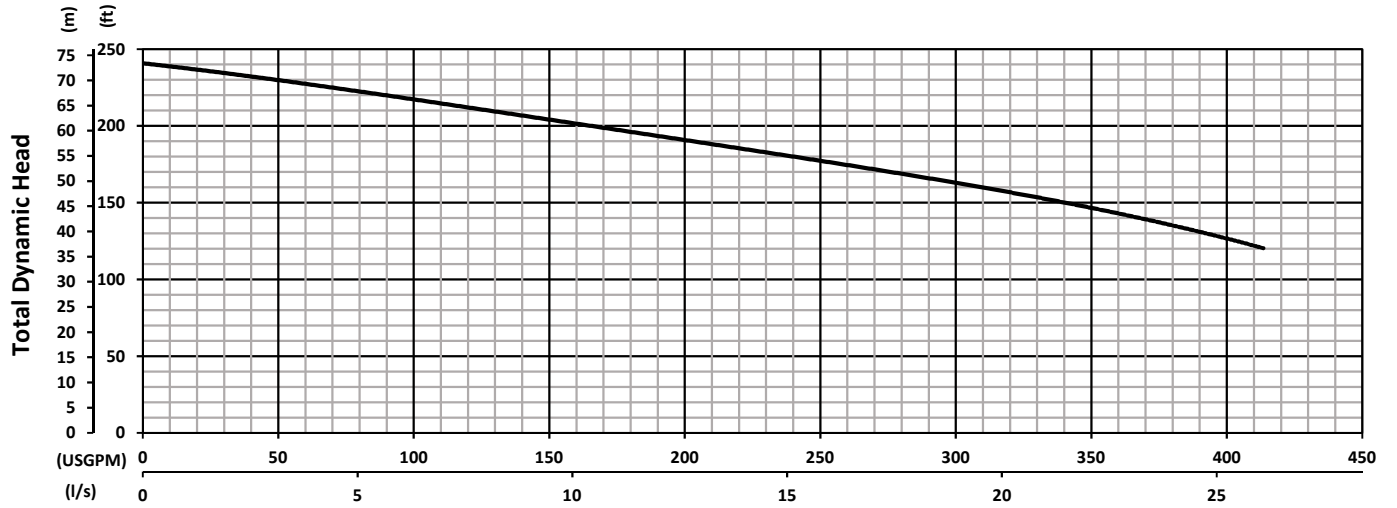
# PERFORMANCE CURVE

# Dewatering Pumps SX2000 MR

Dwg: DS-A16-133

Rev: 1

Date: 2/8/2019



Test Standard : HI 11.6 Gr 3B  
 Tested with water at 20°C

### Dewatering Pumps - Dual Units

Frequency 60 Hz  
 Pump Speed 3450 RPM  
 Impeller 215mm

Specifications subject to change without notice