

# DRY-PRIMING 4" SURFACE PUMP - IMP4E-15-CH

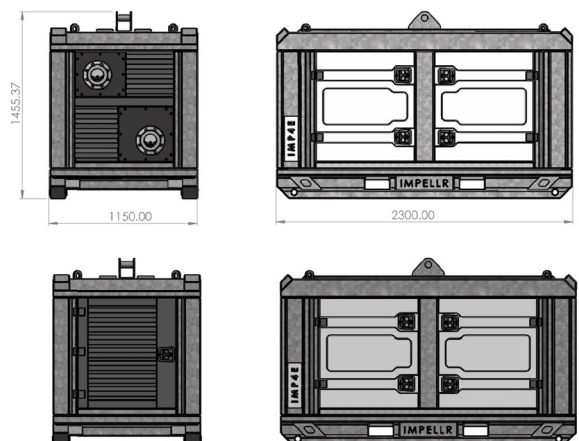
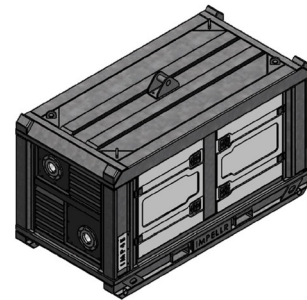


FLOW @ BEP: 134 M3/HR | HEAD @ BEP: 15 M

The IMPELLR surface pumps are designed for heavy industrial site water dewatering with many features to make the rental of the equipment a success.

Ideal for construction, utilities, disasters, mining and quarrying where water need to be moved quickly.

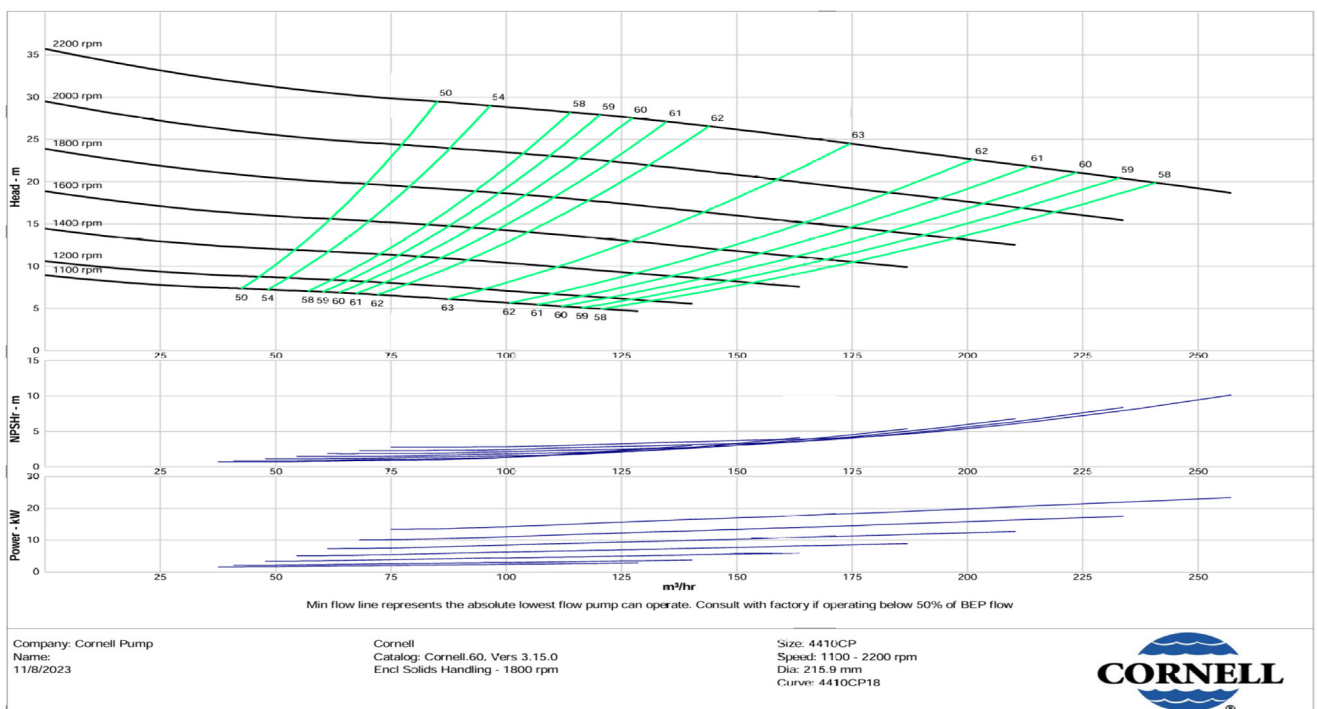
- Full load lifting eyes and stacking frame for neat and compact storage.
- Heavy-duty galvanised frame that will protect motor, pump, and controls in harsh environments
- Simple to use controls with remote monitoring options.



# TECHNICAL DATASHEET

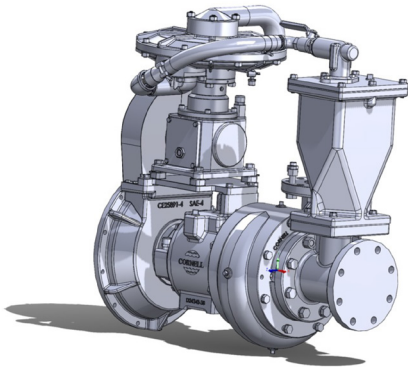
Pump specifications:	IMP4E-15-CH
Max Flow	197 m3/hr
Max Closed Head	22 mtrs
Max Operating Head	18 mtrs
Best Efficiency	63%
BEP Flow / Head	160 m3/hr / 16 m
Suction / Discharge	4" (DN100) / 4" (DN100)
Solids Handling	76 mm
Impeller Type	Channel
Speed	1200 – 1700 RPM
Motor / Engine	15 kw _ 4 pole 50 Hz 400 volt
Vacuum Prime	85 m3/h (50 CFM)
Vacuum Lift	8.5 m (27 Ft)
Dimensions L x W x H	2300 mm X 1150 mm X 1460 mm
Vacuum Prime	85 m3/h (50 CFM)
Vacuum Lift	8.5 m (27 Ft)
Dimensions	2300mm x 1150mm x 1800mm

## PUMP PERFORMANCE CURVE



# TECHNICAL DATASHEET

## PUMP: DRY PRIME CENTRIFUGAL



Pump Type: Cornell 4410CP  
Max Flow: 197 m<sup>3</sup>/hr  
Max Head: 22 m  
Solids Handling: 76 mm (3")  
Pump Casting: Ductile Iron  
Impeller: Ductile Iron  
Impeller Type: Open 2 blades  
Pump Shaft: Stainless Steel 17-4PH  
Priming system: Mechanically Driven Diaphragm Style  
Air Removal Float Box: Single chamber with positive sealing air separation. Stainless steel float ball and linkage.  
Discharge Check Valve: Swing check type

## ENGINE



Motor Brand: WEG  
Gross Power: 15 kW  
Power Requirements: 32 amp 3 phase 415V  
RPM – 1200 – 1700 RPM

## CONTROLS



Auto Start/Stop System  
Switch OFF / NO / START  
Tachometer  
Hour Counter  
Warning Lights "Oil and Engine Temperature"  
Warning Light "Auto Stand-by"  
GPRS – Impellr Web supervisor & APP  
Geolocation and Geo-fencing  
Two Float Switches (Man/Max Level) Support for Automatic Operation  
2 Emergency Stop buttons

# DRY PRIME SURFACE DEWATERING PUMP RANGE

IMP4D-11-CH



## Diesel 11 Kw 4" Dry Prime Surface Pumps

Max Flow	Max Head	BEP Flow	BEP Head	Solids Handling	Engine
200 m3/hr	20.8 m	156 m3/hr	12.4 m	76 mm	Hatz 11 Kw

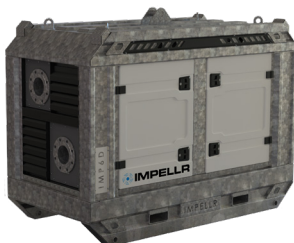
IMP4D-11-CH



## Diesel 18.5 Kw 4" Dry Prime Surface Pumps

Max Flow	Max Head	BEP Flow	BEP Head	Solids Handling	Engine
237 m3/hr	29.5 m	158 m3/hr	21 m	76 mm	Hatz 18.5Kw

IMP6D-18.5-CH



## Diesel 18.5 Kw 6" Dry Prime Surface Pumps

Max Flow	Max Head	BEP Flow	BEP Head	Solids Handling	Engine
450 m3/hr	24.5 m	340 m3/hr	16.25 m	76 mm	Hatz 18.5Kw

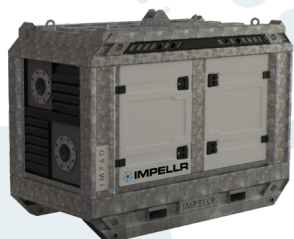
IMP4E-15-CH



## Electric 15 Kw 4" Dry Prime Surface Pumps

Max Flow	Max Head	BEP Flow	BEP Head	Solids Handling	Engine
197 m3/hr	22 m	160 m3/hr	16 m	76 mm	15 Kw 4 pole

IMP6E-18.5-CH



## Electric 18.5 Kw 6" Dry Prime Surface Pumps

Max Flow	Max Head	BEP Flow	BEP Head	Solids Handling	Engine
420 m3/hr	22 m	350 m3/hr	14 m	76 mm	18.5 Kw 4 pole

## Trailer Options

