

**POSITIVE DISPLACEMENT**

**UNIT: PUM002**

**PERFORMANCE**

Maximum Flow Rate	36.5 USGPM (0.138 m <sup>3</sup> /min)
Maximum Head	2768 ft
Minimum NPSH	22 ft

**DRIVE**

Make	Baldor
Model	IDXM7556T
Horsepower	20 HP
RPM	1150 RPM
Volts	230 V / 460 V
Amps	46/23
Hertz	60 Hz
VFD Compatible	Yes



**PUMP**

Make	Hydracell
Model	D-35-XKR Diaphragm
Inlet Shaft Driven	2.5" NPT
Casing Rating	1200 psi (8,270 kPa)

**PIPING CONNECTIONS**

Inlet	2.5" (73.0 mm)
Connection	CL150 RF
Outlet	1.25" (48.3 mm)
Connection	CL600 RF

**SHIPPING DIMENSIONS**

Width	55" (1.39 m)
Length	56" (1.42 m)
Height	60" (1.52 m)
Weight Estimate	883 lbs

**POWER REQUIREMENTS**

Motor	66.5 kW
Voltage Input	460V
Phase	3Ø

\*\*Approximate Power Requirements\*\*



**CERTIFICATION**

Drive	Class I Div 1, Groups D; Class II Div 1, Groups E,F, G Class I Zone 1, Groups IIA
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# D35 Series Performance

## Capacities

### Flow

Model	Max. Input rpm	Max. Flow	
		@ 1200 psi (83 bar) gpm	@ 1200 psi (83 bar) l/min
D35-X	1050	36.5	138
D35-E	1150	34.0	129

@ 1500 psi (103 bar)*			
D35-X	700	23.1	87.5

### Pressure

#### Maximum Inlet Pressure

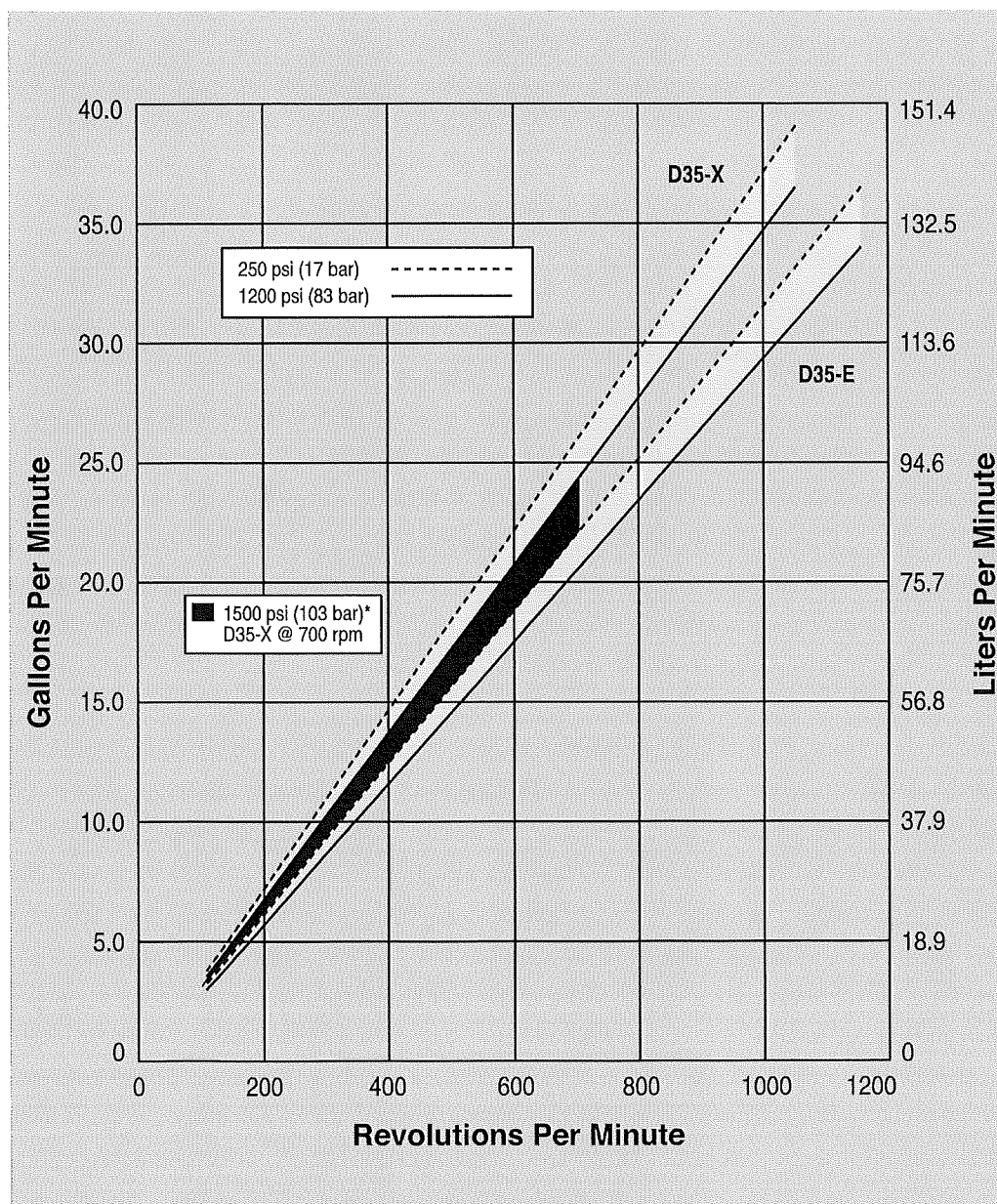
250 psi (17 bar) with 1500 psi (103 bar) maximum discharge pressure  
 500 psi (34 bar) with 1200 psi (83 bar) maximum discharge pressure

#### Maximum Discharge Pressure

1200 psi (83 bar) @ 1150 rpm max.  
 1500 psi (103 bar) @ 700 rpm max.

Performance and specification ratings apply to D35 configurations unless specifically noted otherwise.

## Maximum Flow at Designated Pressure



\* Consult factory if operating above 1200 psi (83 bar).