

DAYLIFF DI/DIN pumps are of non-self-priming vertical multistage design suitable for a wide range of water supply, irrigation, liquid transfer and boosting applications. Pumps are made of heavy duty construction and designed for long life in continuous duty commercial and industrial use.

### Features

- In-line design for simple installation
- DI pumps feature 304 stainless steel for impeller and chamber and cast iron top and bottom housing
- DIN pumps feature 316 stainless steel construction throughout and are suitable for pumping highly mineralised corrosive water
- Fitted with high efficiency motors
- All models provided with flange connections with separate BSP internally threaded stainless steel counter flanges and bolts provided
- Cartridge type silicon carbide mechanical seal for simple seal replacement without pump dismantling
- Enclosure Class: IP55
- Insulation Class: F

### Operating Conditions

**Pumped Liquids:** Thin, clean, non-explosive liquids without solid particles or fibres

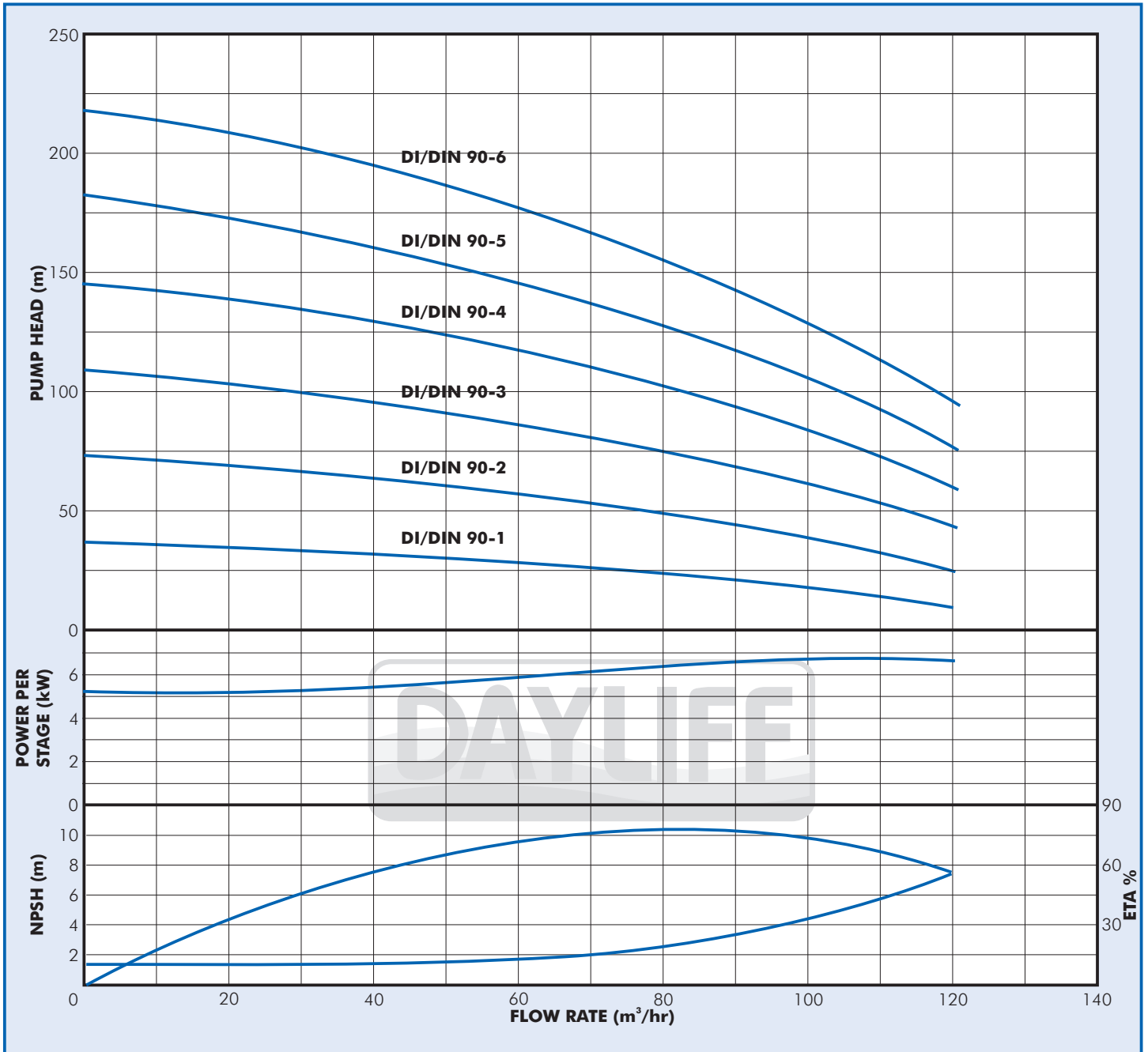
**Liquid Temperature Range:** -15°C to +120°C

**Maximum Ambient Temperature:** +50°C

**Maximum Suction Lift:** According to the NPSH curve plus a safety margin of 1 m

### Material Specification

Pos	Name	DI Material	DI Material Specification	DIN Material	DIN Material Specification
1	Motor Bracket	Cast Iron	ASTM 35B	Cast Iron	ASTM 35B
2	Pump Head	Cast Iron	ASTM 25B	Stainless Steel	AISI 316
3	Shaft	Stainless steel	AISI 431	Stainless Steel	AISI 316
4	Outer Sleeve	Stainless steel	AISI 304	Stainless Steel	AISI 316
5	Neck Ring	PTFE (for DI/DIN 1,3,5,10,15,20,120,150)		PTFE + Carbon Fibre + POB (for DI/DIN 32,45,64,90)	
6	Base	Cast Iron	ASTM 25B	Stainless Steel	AISI 316
7	Mechanical Seal	Cartridge Type		Cartridge Type	
8	Chamber	Stainless Steel	AISI 304	Stainless Steel	AISI 316
9	Bearing Ring	Bronze		POB+Graphite+PTFE	
10	Impeller	Stainless Steel	AISI 304	Stainless Steel	AISI 316
11	Bottom Bearing Ring	Tungsten Carbide		Tungsten Carbide	
12	Chamber	Stainless Steel	AISI 304	Stainless Steel	AISI 316
13	Base Plate	Cast Iron		Cast Iron	ASTM 25B
14	Coupling	Fe-Cu-C		Fe-Cu-C	MPIF Fc0525



## Pump Data

Model	Motor		Nominal Current (A)	Dimensions (mm)					Weight (kgs)
	kW	HP		H1	H2	D1	D2	D3	
DI/DIN 90-1	7.5	10	15.3	572	972	234	199	300	125
DI/DIN 90-2	15	20	26	774	1263	268	215	350	175
DI/DIN 90-3	22	30	37.7	866	1,445	317	242	350	225
DI/DIN 90-4	30	40	51	958	1,581	317	290	400	316
DI/DIN 90-5	37	50	62.5	1,050	1,775	398	365	400	391
DI/DIN 90-6	45	60	78.6	1,142	1,867	398	365	450	425

**Maximum Operating Pressure:** DI90-1 to 4 -16Bar, DI90-5 to 6 -30Bar  
**Maximum Inlet Pressure:** DI90-1-4Bar, DI90-2 -10Bar, DI90-3 to 6 -15Bar  
**Voltage:** 3x415V

