

A photograph of an irrigation system in a field, showing a long line of pipes and a central pivot point, with water being distributed across the crops.

CENTRIFUGAL PUMPS: D-SERIES

FEATURES

- Heavy-duty cast iron body for increased durability
- Stainless steel impellers (DA1A and DA1B)
- Bronze impellers (DB1 through DB2/DC2)
- Cast iron impellers (DC4)
- 56C frame motors with shaft coupling design for easy removal (1/2–2 hp models)
- JM frame motors utilize a shaft sleeve/O-ring design for added protection against shaft damage
- Single- or three-phase motors with ODP and TEFC options available on selected models
- Seal features standard carbon/ceramic faces, nitrile elastomers, and 300 Series stainless components

SPECIFICATIONS

- Capacities to 650 gpm
- Heads to 300 feet
- 150 psi maximum working pressure
- 212 °F maximum temperature
- Clockwise rotation when viewed from motor end
- NPT pipe connections

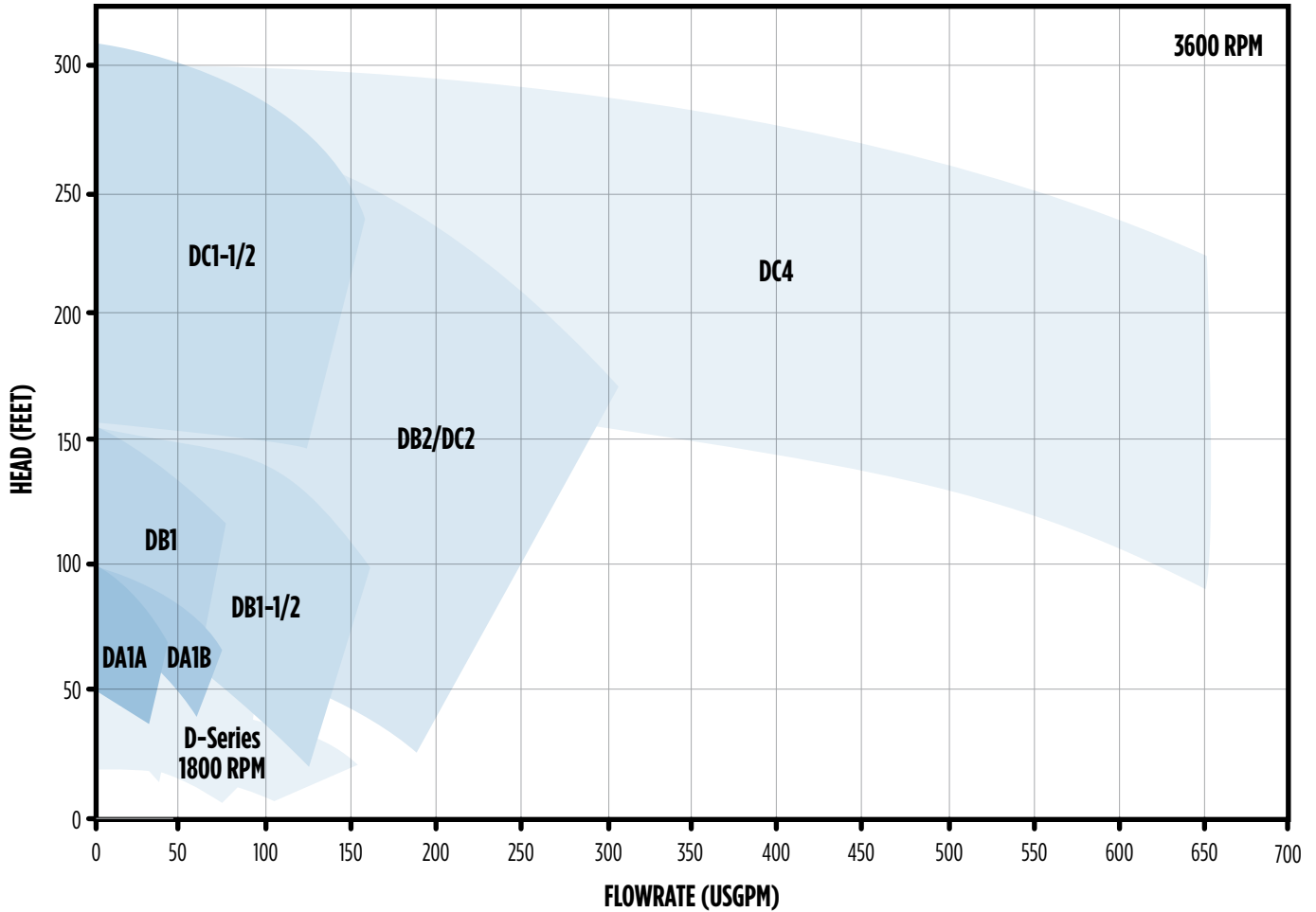


APPLCIATIONS

- Irrigation
- Commercial
- Construction
- Municipal
- Light Industrial
- General Services

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PERFORMANCE



PUMP ENERGY INDEX

D Series	Basic Model	PEI _{CL} Number
3600 RPM	DA1A	0.91
	DA1B	0.88
	DB1	0.99
	DB1-1/2	0.90
	DC1-1/2	0.92
	DB2	0.94
	DC2	0.91
	DC4	0.97

D Series	Basic Model	PEI _{CL} Number
1800 RPM	DBL1-1/2	0.90
	DCL1-1/2	0.94
	DBL2	0.91
	DCL2	0.87

MODEL INFORMATION

Item	Model	Standard Construction	ASTM Reference	Features/Specifications
Volute Case	D-Series	Heavy-Duty Cast Iron	A48 Class 20/30	NPT
Impeller	DA1A & DA1B	Stainless Steel	B124 Alloy	Dynamically balanced to reduce bearing loads and extend life of pump
	DB1, DB1-1/2, DB2, DC1-1/2, DC2	Bronze	B584 Silicon Brass	
	DC4	Cast Iron	A48 Class 30	
Motor	All	Open Drip-Proof	NEMA 56C or JM	Single-phase and Three-phase