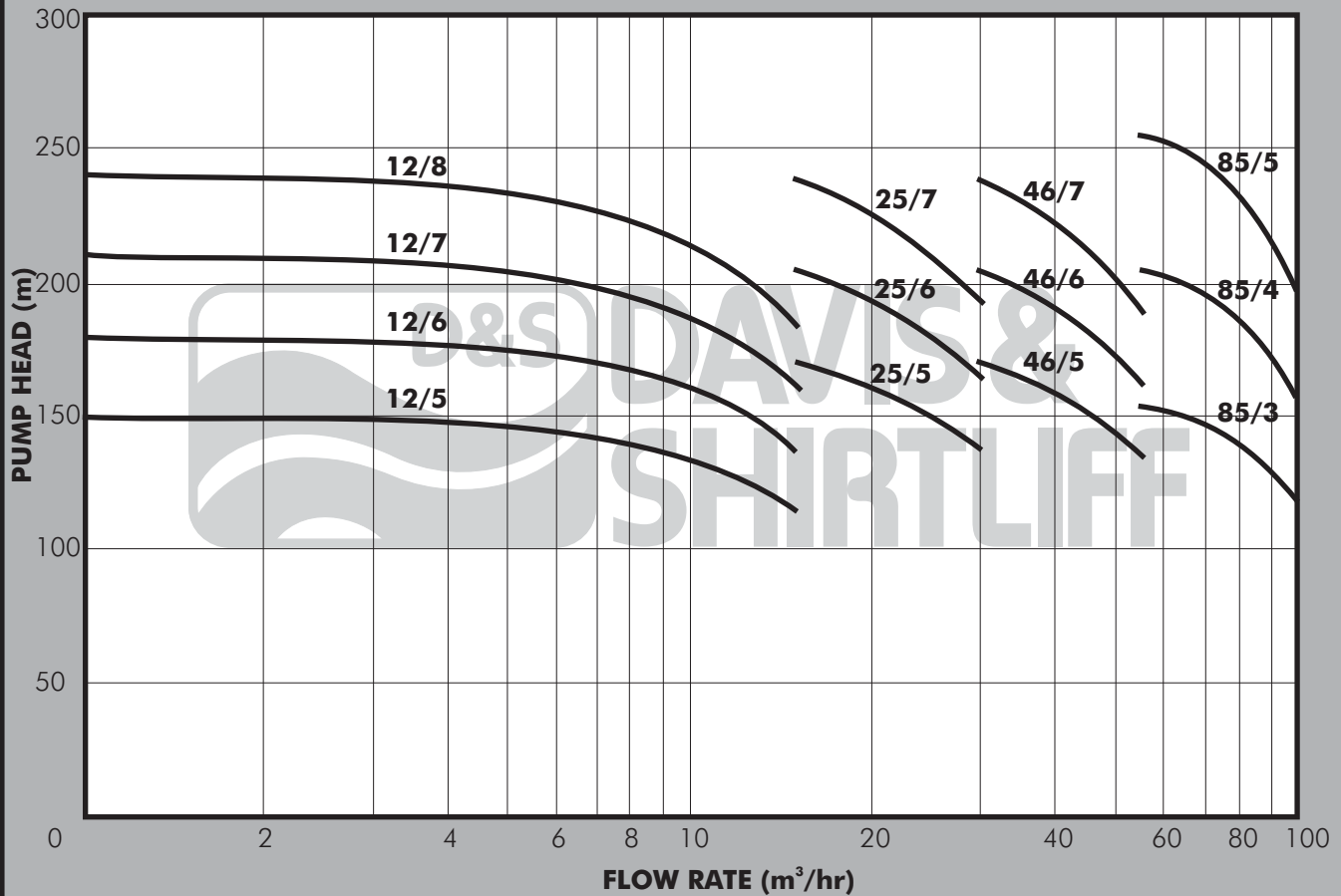




**DATA SHEET**

**Horizontal Multistage Centrifugal Pumps**

**DMS**



## PUMP

The DAYLIFF DMS range of horizontal multistage centrifugal pumps are heavy duty industrial quality pumps suitable for various water supply, irrigation and industrial applications. Particular features include gland packing seals for simple and economical maintenance and external securing tie bolts for ease of disassembly. Construction is heavy duty cast iron stages and pump body, with cast iron impellers and diffusers and stainless steel shaft.

A wide range of models and specifications are available, a combination of the pump size and number of stages being selected to achieve maximum efficiency at a specific duty point. Electric motors are selected according to the required power input at the duty point and mounted together with the pump and coupling on a base frame. All pumps are also suitable for direct or belt drive by diesel engine.

## OPERATING CONDITIONS

**Pumped liquid:** Thin, clean, chemically non-aggressive liquids without abrasive particles or fibres

**Max. Fluid Temperature:** +110°C

**Max. Suction Pressure:** 10 Bar

**Max. Delivery Pressure:** 30 Bar

**Rotation:** Clockwise viewed from driving end

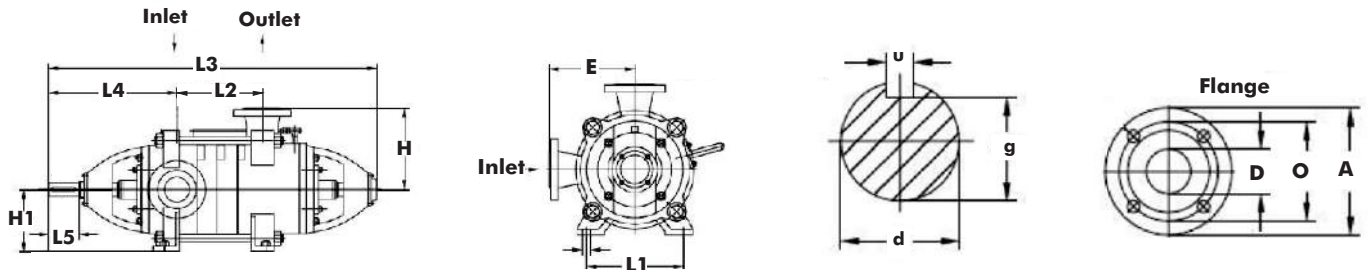
## STANDARD DIMENSIONS

Pump Size	Dimensions (mm)								Shaft			Inlet Flange				Outlet Flange			
	Inlet	Outlet	L1	L4	L5	E	H1	H	d	u	g	D	A	O	Holes	D	A	O	Holes
<b>DMS 12</b>	50	40	210	265	62	170	150	170	25	8	21	50	140	110	4X13.5	40	150	110	4X17.5
<b>DMS 25</b>	65	65	295	330	80	210	170	210	30	8	26	65	160	130	4X17.5	65	185	145	8X17.5
<b>DMS 46</b>	80	65	295	330	80	210	170	210	30	8	26	80	190	150	4X17.5	65	185	145	8X17.5
<b>DMS 85</b>	100	100	345	326	86	250	210	250	35	10	30	100	210	170	4X17.5	100	235	180	8X22

## STANDARD DIMENSIONS

Stages	DMS 12				DMS 25				DMS 46				DMS 85			
	Power* (Kw)	L2	L3	Weight (kg)	Power* (Kw)	L2	L3	Weight (kg)	Power* (Kw)	L2	L3	Weight (kg)	Power* (Kw)	L2	L3	Weight (kg)
<b>3</b>	-	-	-	-	-	-	-	-	-	-	-	-	55	277	906	877
<b>4</b>	-	-	-	-	-	-	-	-	-	-	-	-	75	351	980	1040
<b>5</b>	11	210	795	292	22	360	975	452	37	360	975	560	90	425	1054	1061
<b>6</b>	15	210	845	316	30	425	1040	572	37	425	1040	576	-	-	-	-
<b>7</b>	15	210	895	333	30	490	1105	592	45	490	1105	664	-	-	-	-
<b>8</b>	18.5	210	945	370	-	555	1170	-	-	-	-	-	-	-	-	-

\* Power absorbed at 2900rpm



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DY201A-07/11

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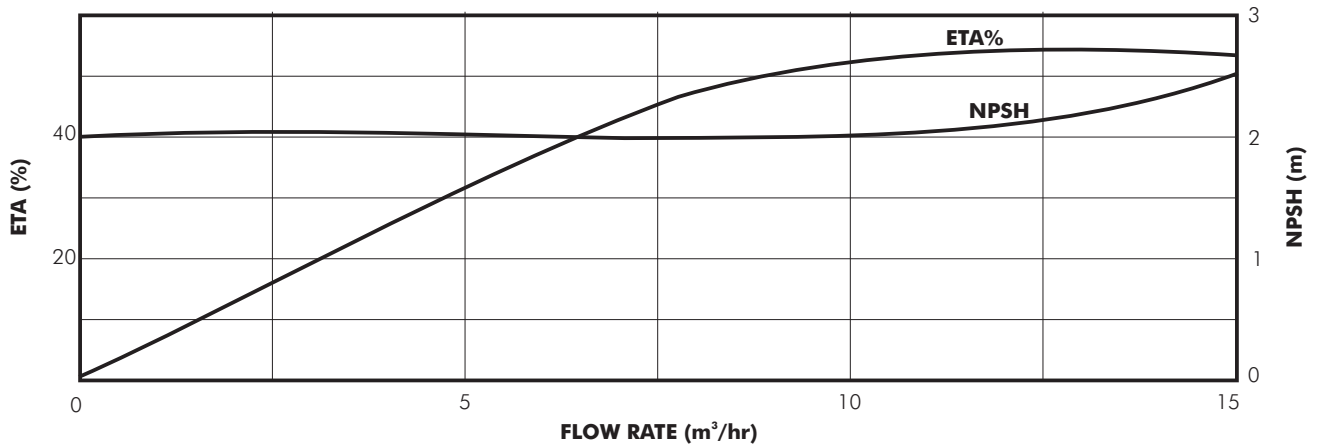
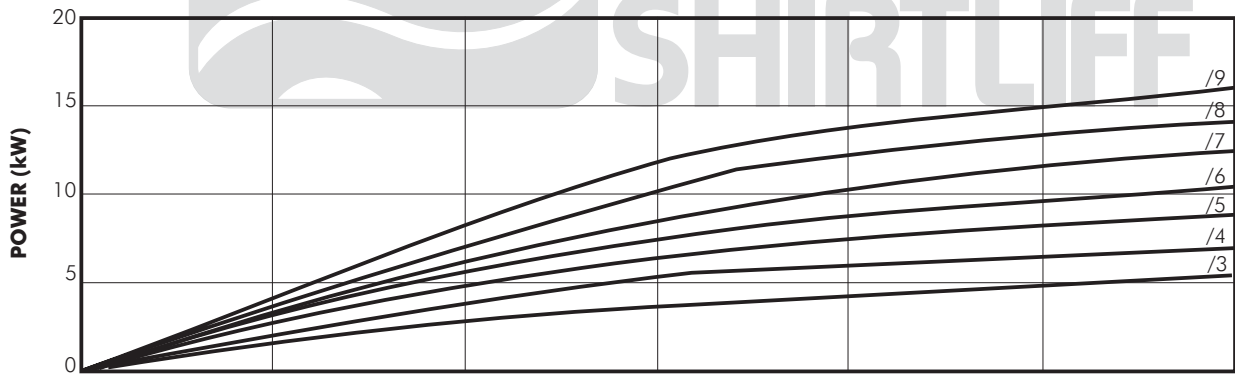
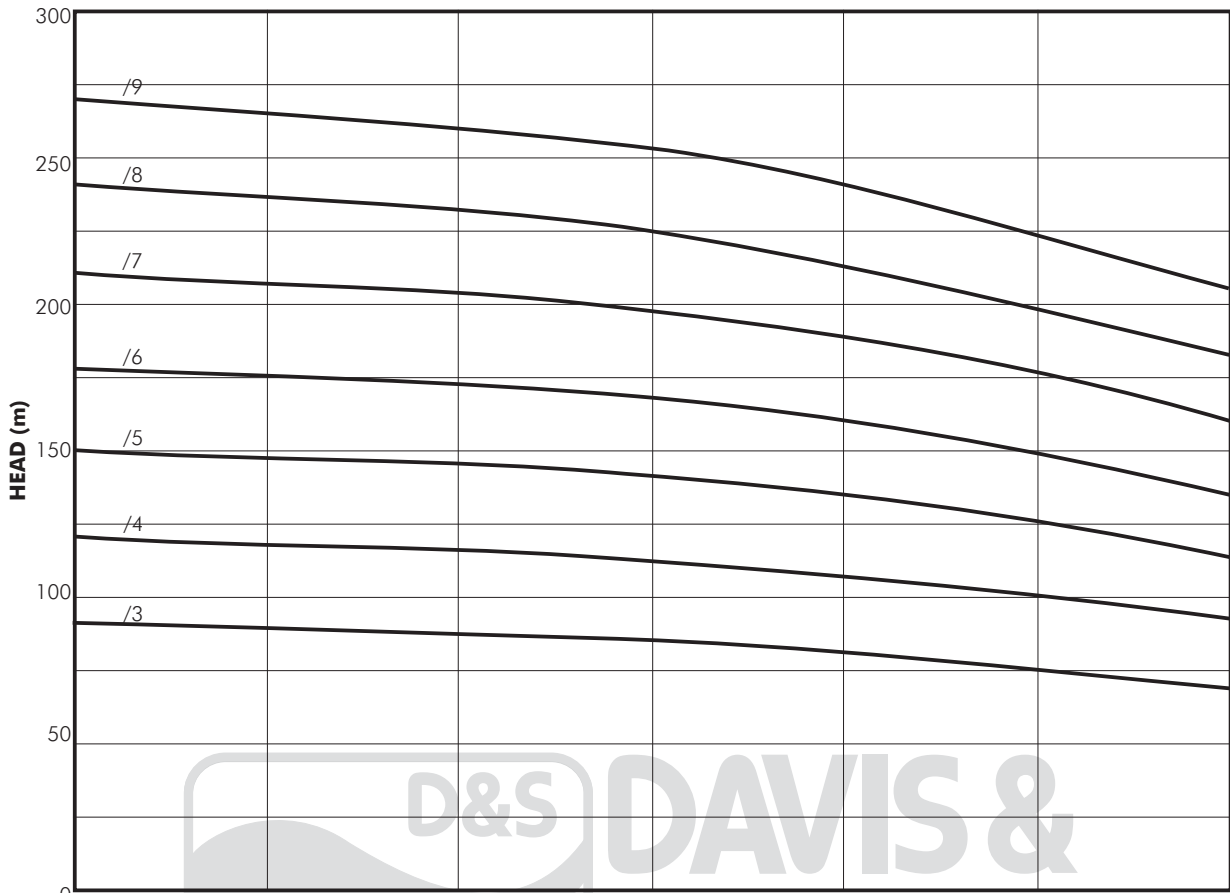
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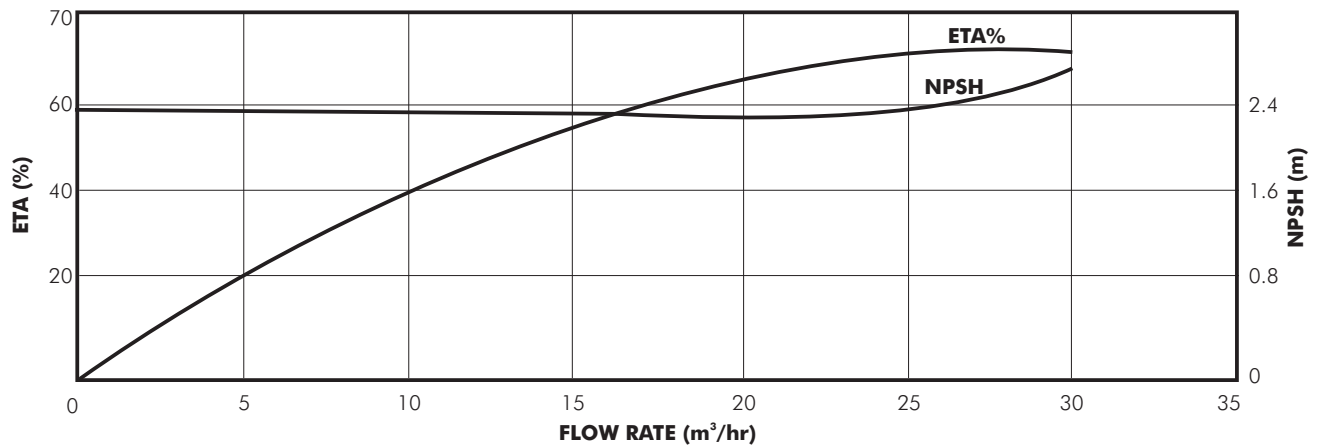
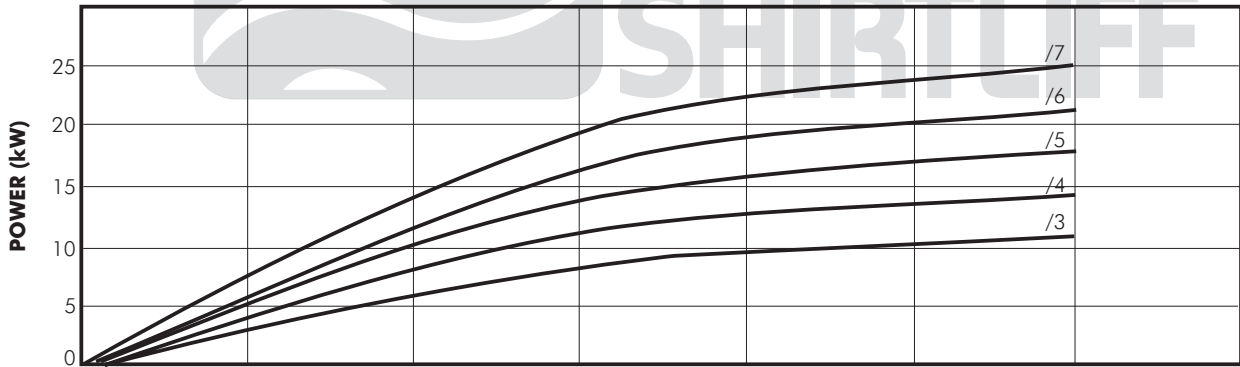
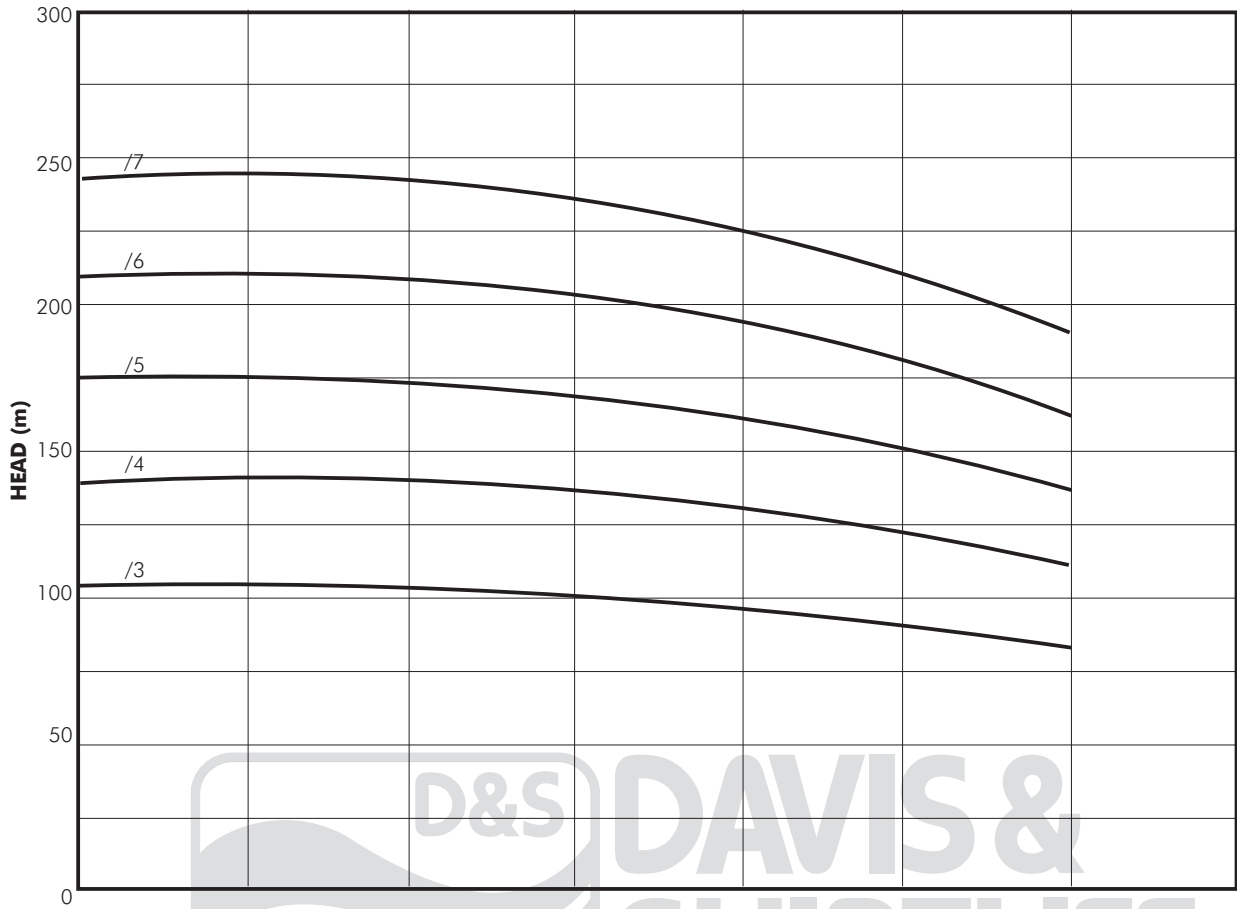


# DMS 12 PUMP CURVES 2950RPM



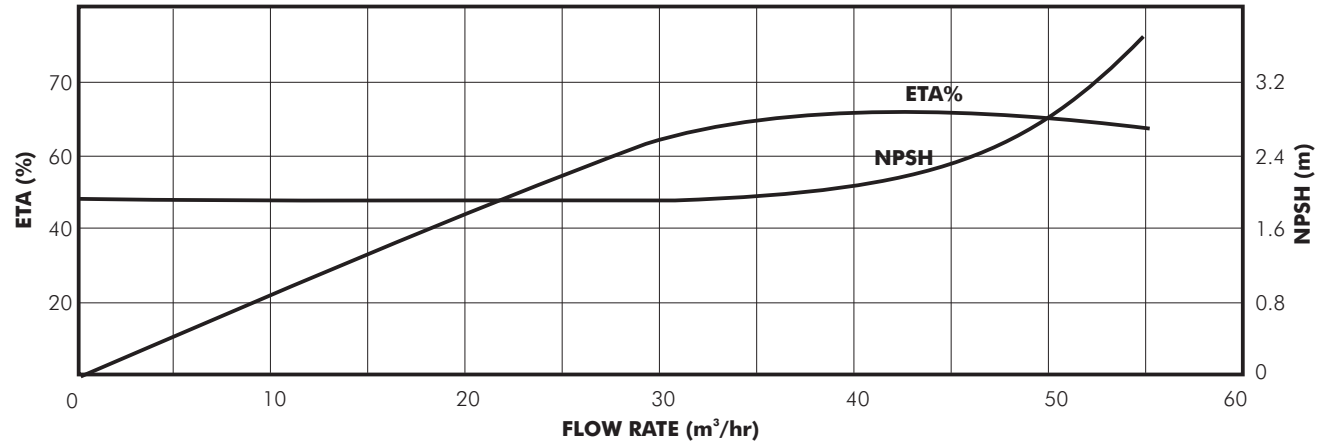
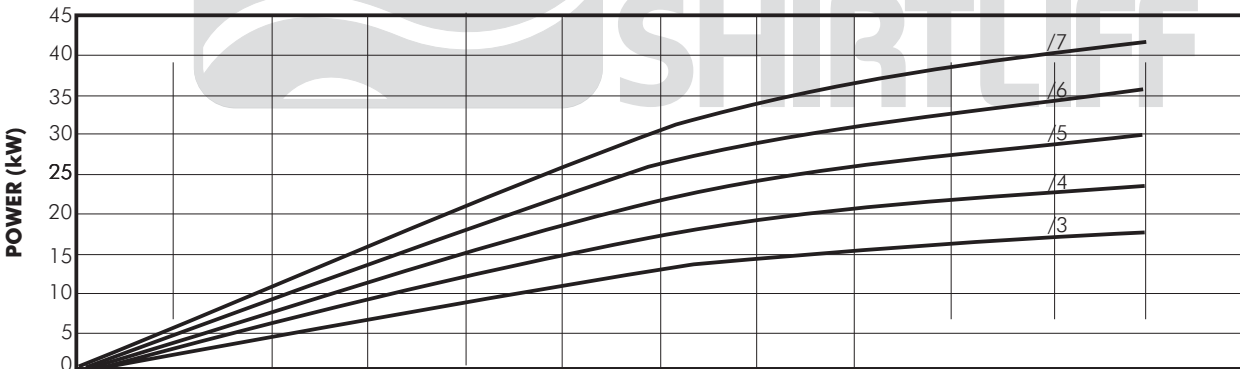
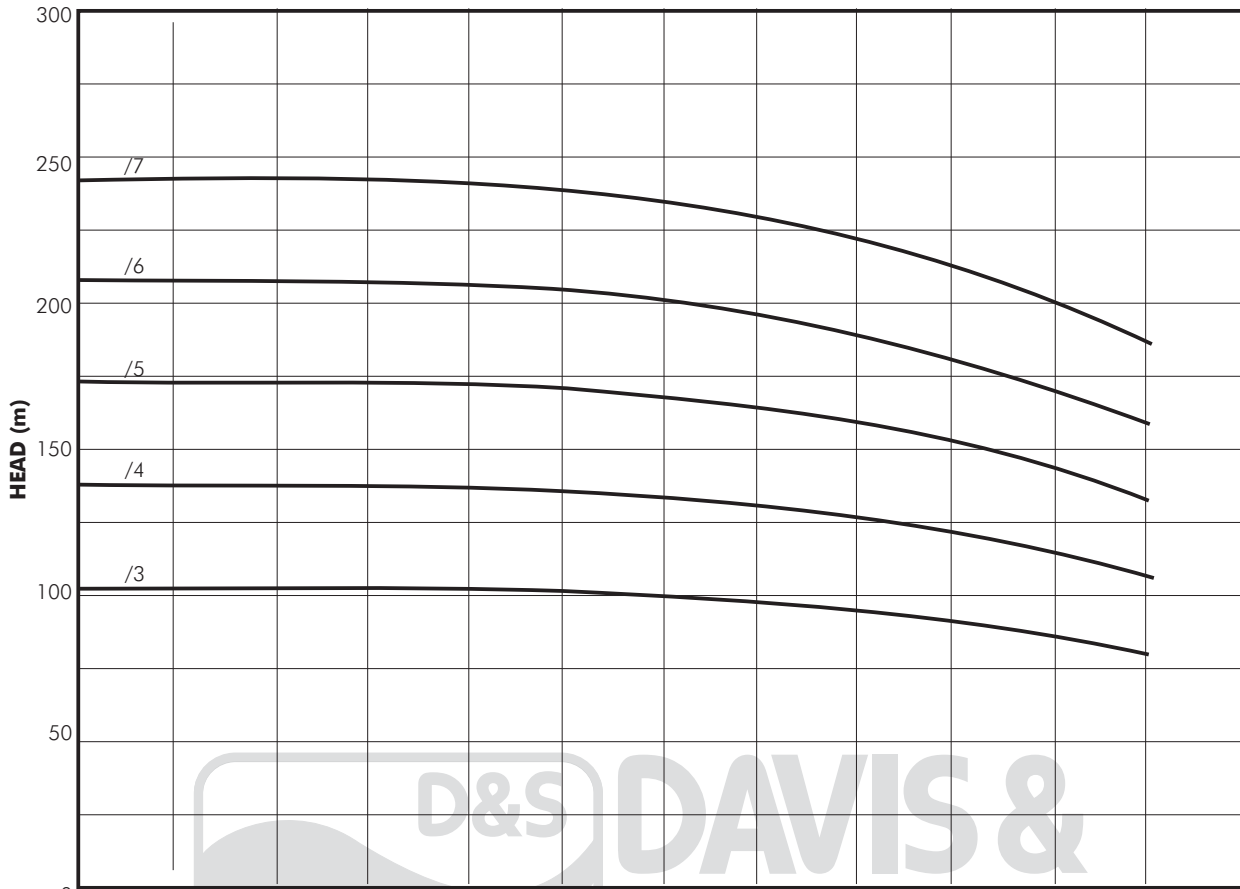
# DAYLIFF

## DMS 25 PUMP CURVES 2950RPM





# DMS 46 PUMP CURVES 2950RPM



# DAYLIFF

## DMS 85 PUMP CURVES 2950RPM

