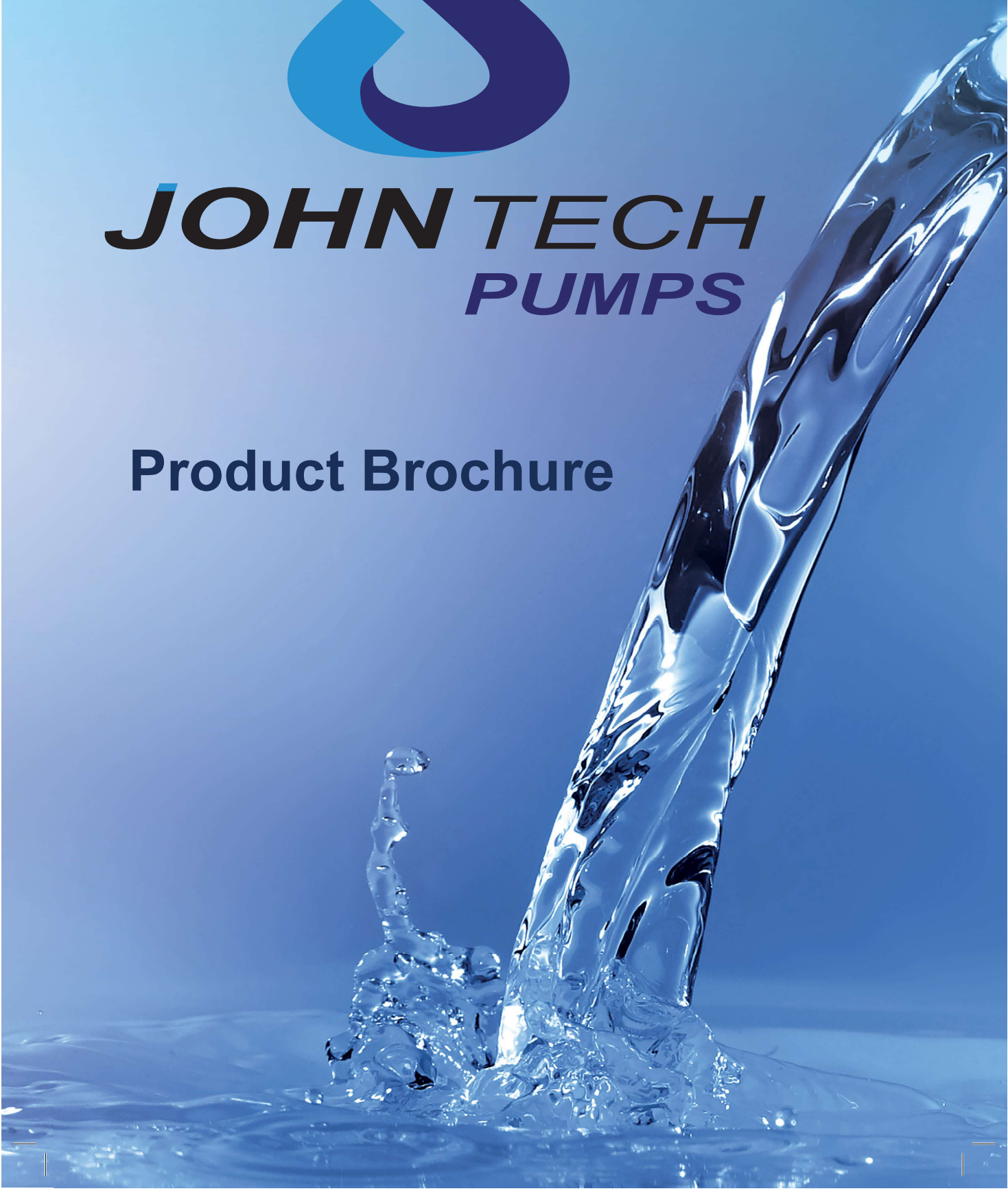




# **JOHN TECH** **PUMPS**

**Product Brochure**





**GOODSPEED**  
ENVIRONMENTAL SERVICES

  
**JOHNTECH**  
PUMPS

  
ashirvad  
by atank

  
AMANDA  
PUMPS

# About us

Goodspeed Environmental Services supply high quality products that comply with the technical and commercial parameters required for each specific application.

## Content

### Surface Pumps

PM Peripheral pumps	4
CPM Centrifugal pumps	5
CPW Centrifugal pumps	6
Jet-JM Self Priming pumps	7
Jet-ST Self Priming pumps	8
DK Centrifugal pumps	9
CS Centrifugal pumps	10
CM2 Twin Impeller pumps	11
SCM Twin Impeller pumps	12
Horizontal Centrifugal Pumps	13
Flow Controllers	19
PS Domestic Drainage pumps	20
V Waste water pumps	21

### Pump Packs/Sets

3" + 4" Pump Packs	22
3" + 4" Pump Sets	23
4" SD Range	24-30
Weights and dimensions	31

# PM

## Peripheral Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total Suction Head = 6-8m

### Pump

- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Ceramic Steatite/  
Metalized Carbon

### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Carbon Steel / Stainless steel
- Insulation: Class B
- Protection: IP44
- Cooling: External Ventilation

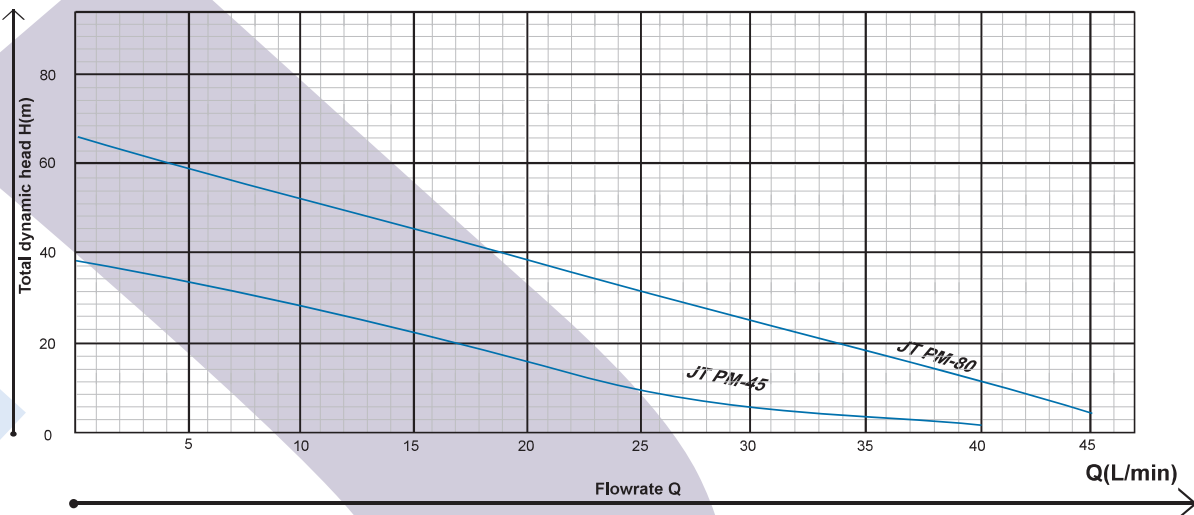


PM Series Peripheral pump



PM Series pump with PS-01 controller

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)									Weight Kg		
								0	10	15	20	25	30	35	40		45	
JT PM45	0.5	0.37	1"/1"	9	40	38		38	35	25	18	14	8	5	2		5.8	
JT PM80	1	0.75	1"/1"	9	46	65		65	55	48	38	29	23	16	9	4	2	10.5



# CPM

## Centrifugal Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Cast Iron
- Impeller: PPO
- Mechanical Seal: Carbon / Ceramic / Stainless Steel
- Front Cover: Cast Iron

### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Welding Shaft/Stainless steel
- Insulation: Class B
- Protection: IP44
- Cooling: External Ventilation

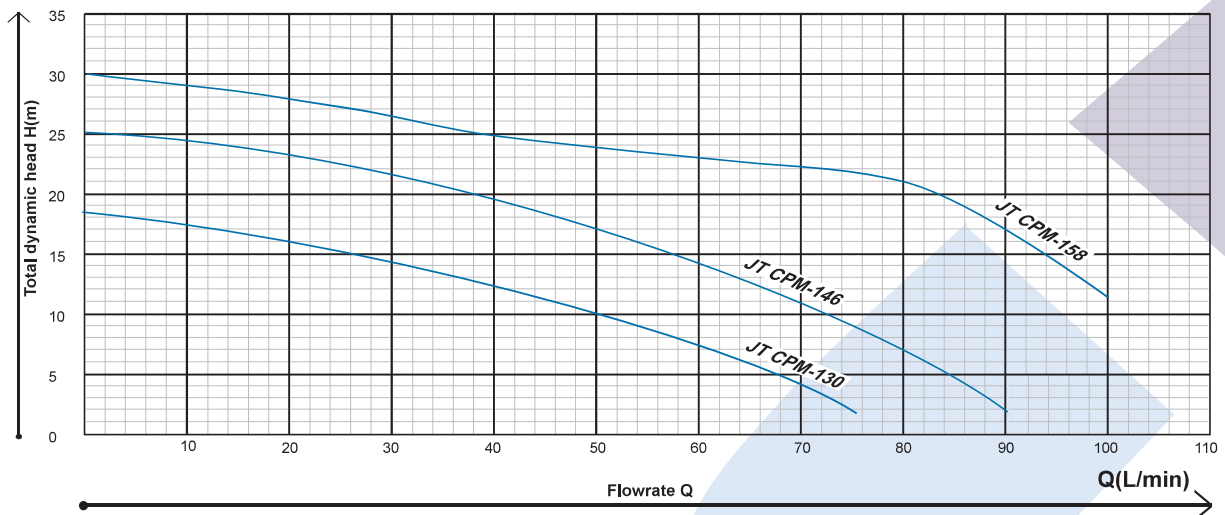


CPM Series pump



CPM Series pump with PS-01 controller

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	0	20	40	60	75	80	90	100	105	Weight Kg
JT CPM130	0.5	0.37	1"/1"	9	75	18	H(m)	18	16	12	8	2					9
JT CPM146	0.75	0.55	1"/1"	9	90	25	H(m)	25	23	19	14	9	7	2			13
JT CPM158	1	0.75	1"/1"	9	100	30	H(m)	30	28	25	20	14	12	8	2		14

# CPW

## Centrifugal Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Cast Iron
- Impeller: PPO
- Mechanical Seal: Carbon / Ceramic / Stainless Steel
- Front Cover: Cast Iron

### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Carbon Steel / Stainless steel
- Insulator: Class B
- Protection: IP44
- Cooling: External Ventilation

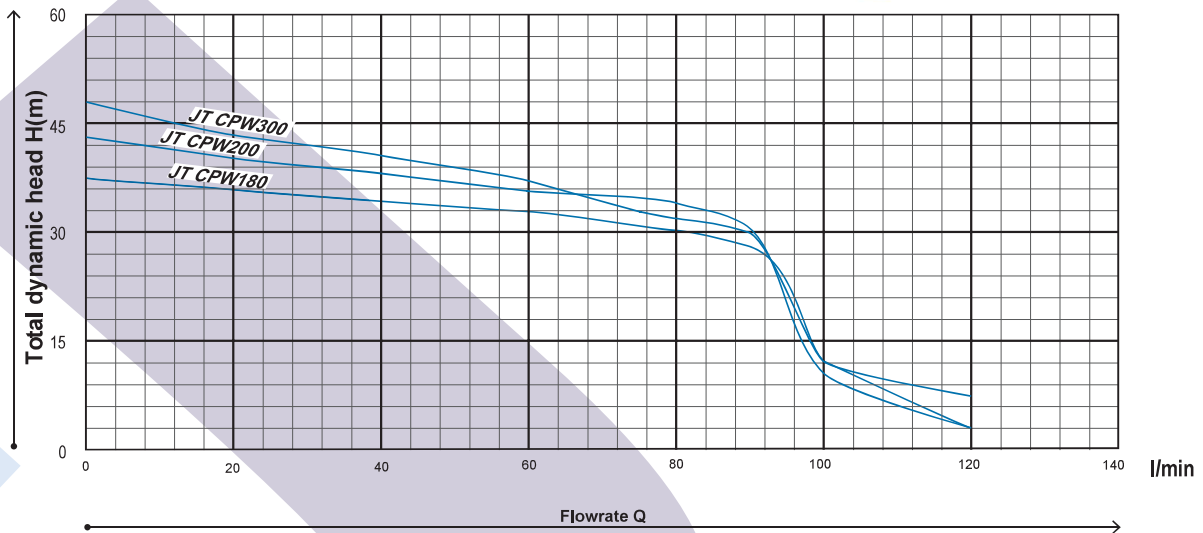


CPW Series pump



CPW Series pump with PS-01 controller

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	0	20	40	60	75	80	90	100	120	Weight Kg
JT CPW180	1.5	1.1	1"/1.25"/1"	9	105	37	H(m)	37	36	34	32	31	30	28	12	3	19
JT CPW200	2	1.5	1"/1.25"/1"	9	120	43	H(m)	43	40	38	36	35	34	31	11	3	20
JT CPW300	3	2.2	1"/1"	9	140	48	H(m)	48	43	40	37	32	31	30	12	8	20

# JETJM

## Self-priming Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Cast Iron
- Impeller: Brass
- Diffuser: Techno-polymer (P.P.O)
- Mechanical Seal: Ceramic Steatite/  
Metalized Carbon

### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Welding shaft/Stainless Steel
- Insulation: Class B
- Protection: IP44
- Cooling: External Ventilation

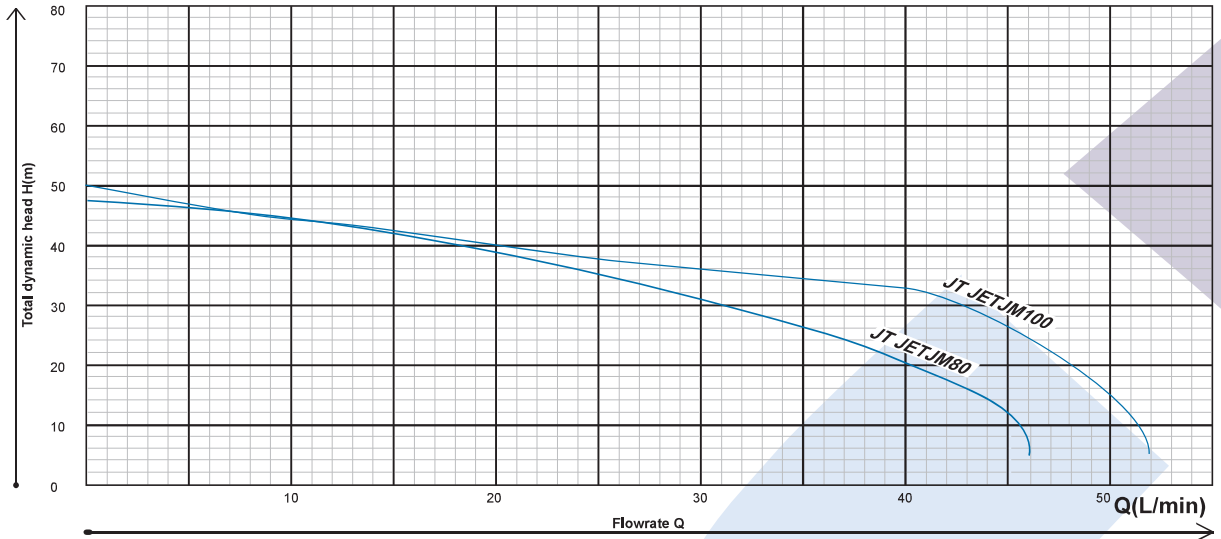


Jet-JM Series pump



Jet-JM Series pump with PS-01 controller

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)								Dimension (mm)	
								0	10	20	30	42	46	52		60
JT JETJM80	0.75	0.55	1"/1"	9	46	45	H(m)	45	38	31	25	12	5			400x220x240
JT JETJM100	1	0.75	1"/1"	9	52	52	H(m)	52	43	37	32	27	12	5		400x220x240

# JETST

## Self Priming Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Stainless Steel
- Impeller: Stainless Steel
- Mechanical Seal: Ceramic Steatite/  
Metalized Carbon

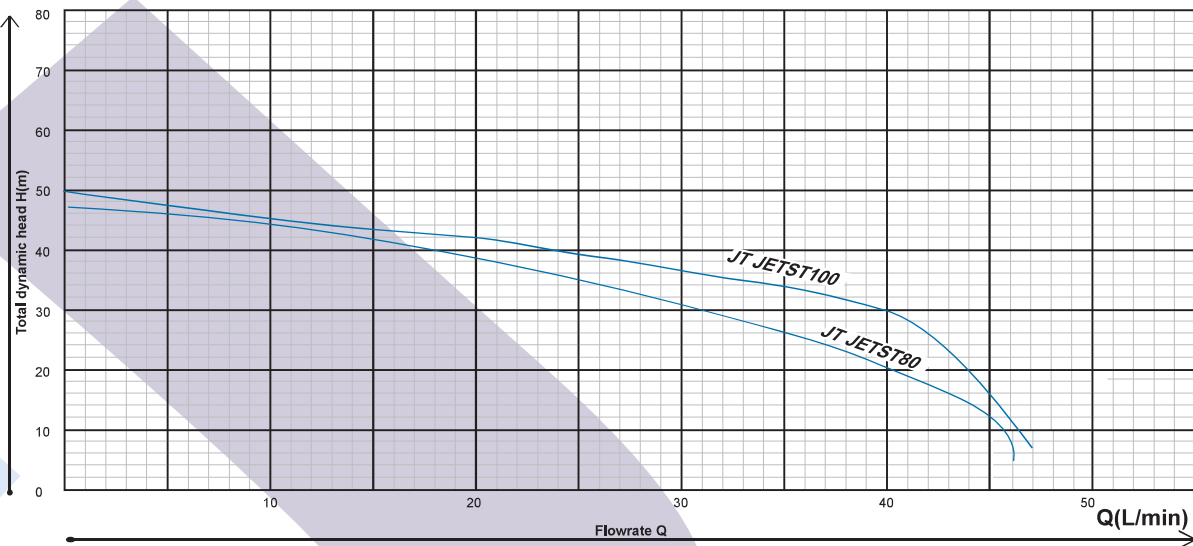
### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Welding shaft/Stainless Steel
- Insulation: Class B
- Protection: IP44
- Cooling: External Ventilation



JET-ST Series Stainless Steel Self-Priming Pump

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	0	10	15	20	30	35	42	46	52	Weight Kg
JT JETST80	0,75	0,55	1"/1"	9	46	45	H(m)	45	38	35	28	25	23	12	5		10
JTJETST100	1	0,75	1"/1"	9	52	50		50	43	40	34	32	30	27	12	5	11

# DK

## Centrifugal Pumps

### Operating Conditions

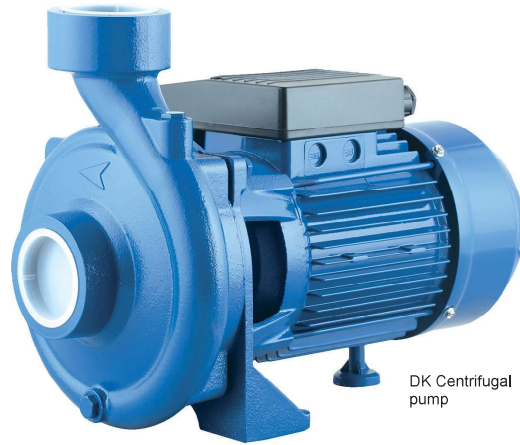
- Liquid temperature up to 80°C
- Ambient temperature up to 40°C
- Max pressure up to 10 bar

### Pump

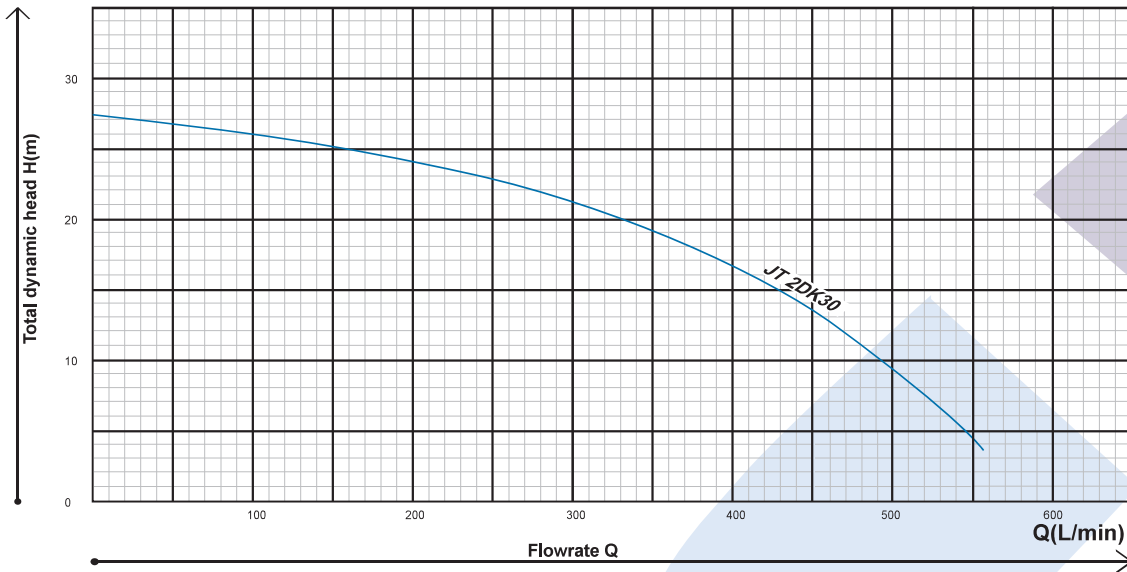
- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Ceramic Steatite/  
Metalized Carbon

### Motor

- Motor Housing: Aluminium
- Shaft: Welding Shaft/Stainless Steel
- Insulation: Class B/F
- Protection: IP44/IP54
- Cooling: External Ventilation



## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	0	30	65	100	180	210	300	480	520	560	Weight Kg
JT 2DK30	3	2.2	2"/2"	9	560	28	H(m)	28	27	26.5	26	25	24	22	12	6	4	24



## Centrifugal Pumps

### Operating Conditions

- Liquid temperature up to 80°C
- Ambient temperature up to 40°C
- Max pressure up to 10 bar

### Pump

- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Ceramic Steatite/  
Metalized Carbon

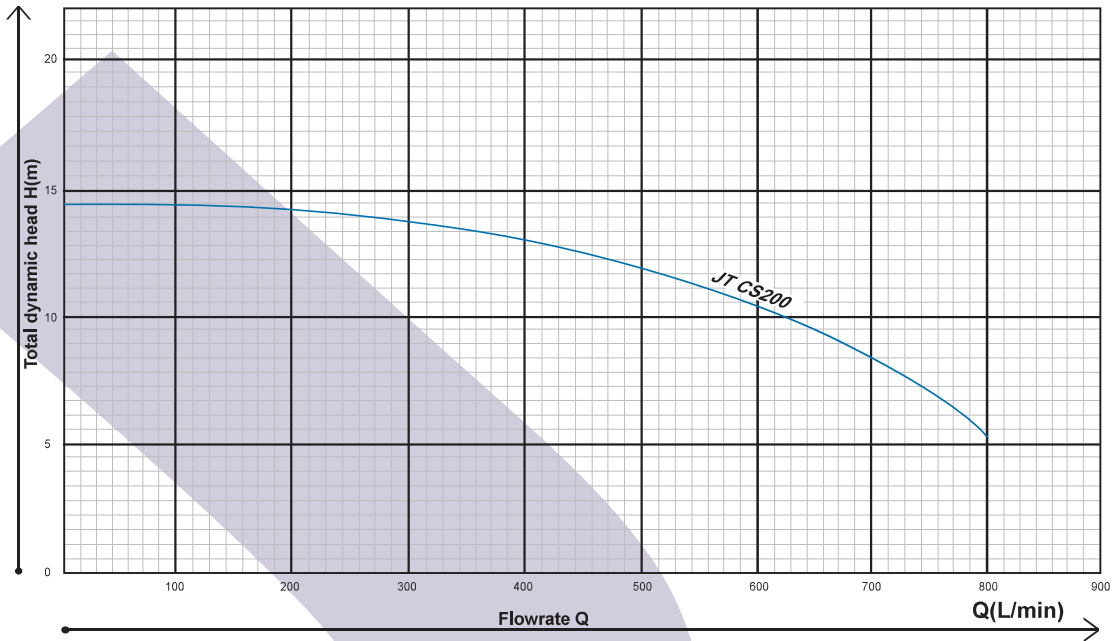
### Motor

- Motor Housing: Aluminium
- Shaft: Welding Shaft/Stainless Steel
- Insulation: Class B/F
- Protection: IP44/IP54
- Cooling: External Ventilation



Centrifugal CS Range Pump

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	0	100	200	300	400	500	600	700	800	900	Weight Kg
JT CS200	2	1.5	2"/2"	9	800	14	H(m)	14	14	14	13.7	13	12	10	7.5	6		26



# CM2

## Twin-Impeller Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Carbon / Ceramic / Stainless Steel

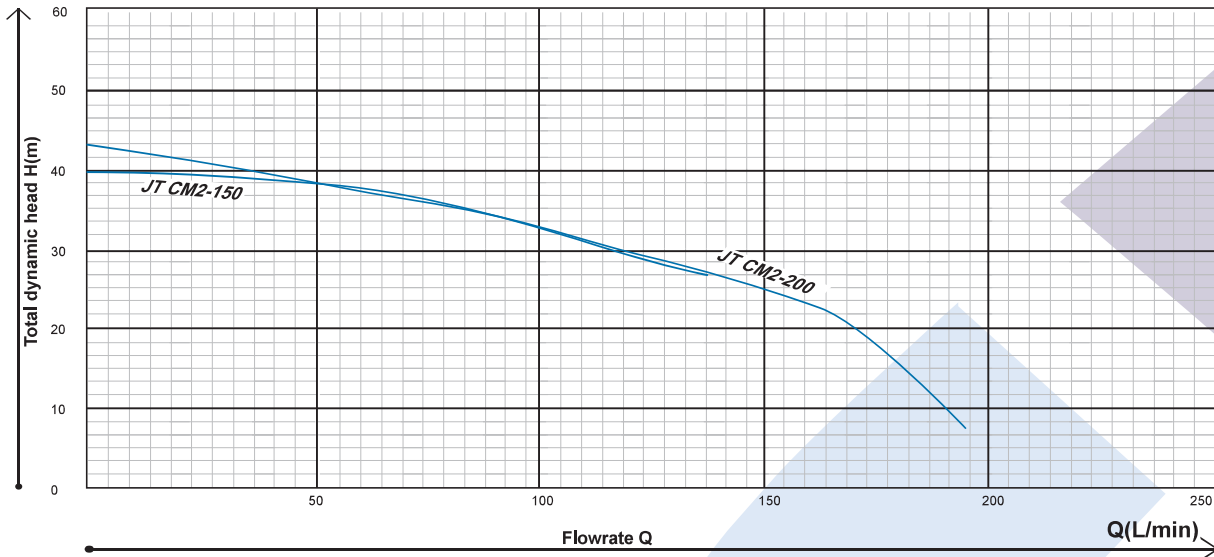
### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Welding shaft/Stainless Steel
- Insulation: Class B
- Protection: IP44
- Cooling: External Ventilation



CM2-200 Series  
Twin-Impeller Pump

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)	Q (L/min)											Dimension (mm)
								0	20	40	60	80	100	110	120	140	160		
JT CM2-150	3	1.5	1.25"/1"	9	140	40	H(m)	40	39	37	36	35	33	31	30	28		435x235x285	
JT CM2-200	3	2.2	1.25"/1"	9	160	43	H(m)	43	42	41	39.5	38	36	34	32	28	24	435x235x285	

# SCM

## Twin-Impeller Pumps

### Operating Conditions

- Liquid temperature up to 60°C
- Ambient temperature up to 40°C
- Total suction lift up to 9m

### Pump

- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Carbon / Ceramic / Stainless Steel

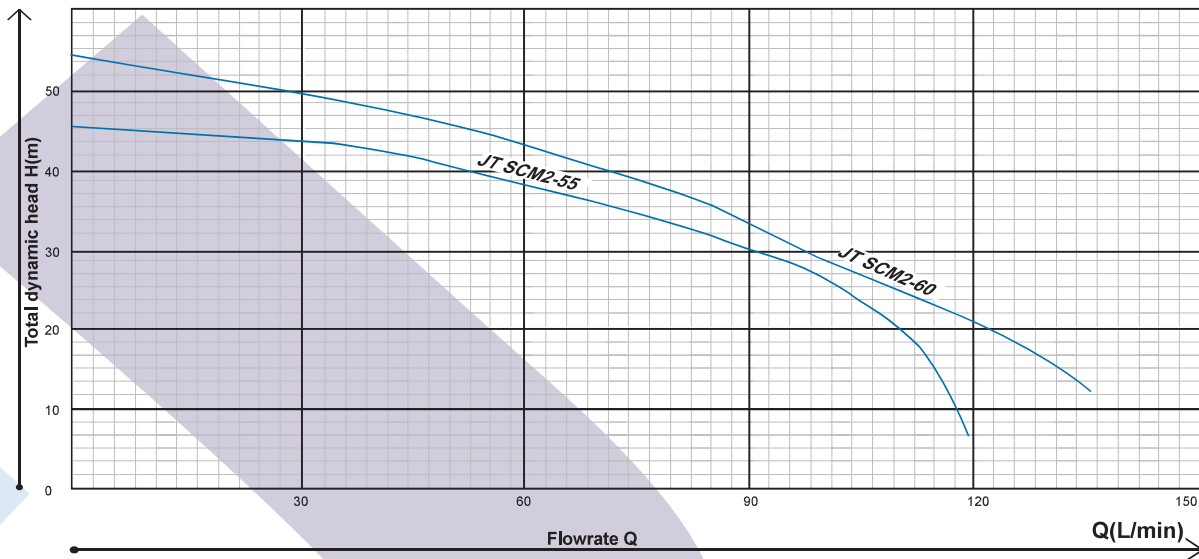
### Motor

- Single Phase
- Motor Housing: Aluminium
- Shaft: Welding shaft/Stainless Steel
- Insulator: Class B
- Protection: IP44
- Cooling: External Ventilation



SCM Series  
Twin-Impeller Pump

## Performance Chart at 2850rpm



## Performance Table

Model	HP	kW	DNA/DNM	Suct.Max m	Q.Max (l/min)	H.Max (m)	Q (l/min)									Weight Kg	
								0	20	40	60	80	100	110	120		140
JT SCM2-55	2.0	1.5	1.25"/1"	9	120	46	H(m)	46	44	41	36	29	19.5	13	6		9
JT SCM2-60	3.0	2.2	1.5"/1.25"&1.25"/1"	9	140	55	H(m)	55	54.5	52	49	43	36	32	27	12	13

## Horizontal Centrifugal Pumps

### Application

- Cooling water • Irrigation • Fire-fighting systems • Water supply • Water distribution

### Pump Specifications

- Discharge flange diameter: DN32 - DN80 mm • Capacity Q range: 4.5m<sup>3</sup>/h - 240m<sup>3</sup>/h (50HZ)
- Head H range: 10m – 92.5m • Operating speed: 2900RPM (50Hz)

### Construction Features

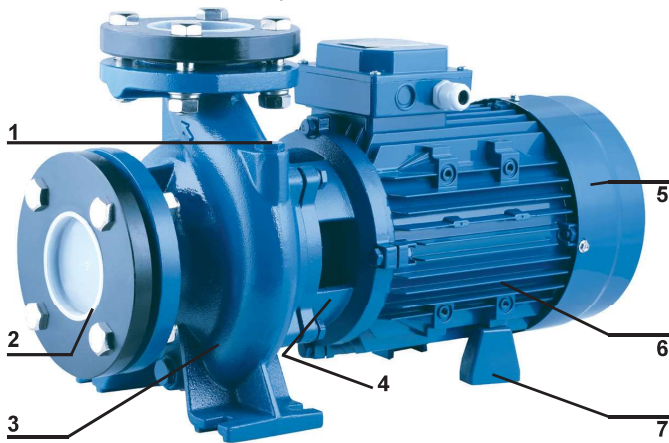
- Main dimensions: Apply to EN733 (DIN24255) standard and back pull out type
- Casing structure: End suction, center radial discharge
- Flange pressure rate: ISO7005.2 PN1.6MPa
- Shaft seal: Single mechanical seal (Graphite / Silicon carbide / Ceramic / NBR / FPM / SS304 / SS316) According to Standard EN 12756
- Driven shaft: Pump and motor flanged together to form a close-coupled unit, with common shaft.

### Operation Conditions

- Working Temperature Range: -10°C ~ +90°C • Max. Allowable Working Pressure (MAWP): 10bar
- Hydrostatic Test Pressure = 1.3 times the maximum discharge pressure, but not exceed 13 bar

### Motor Specifications

- Totally Enclosed Fan Cooled asynchronous induction motor
- Winding: 3 Phase      2 – 4HP      220-240VD / 380-420VY - 50HZ  
    5.5 – 50HP      380-420VD / 660-725VY - 50HZ2 – 5.5HP  
    1 Phase      2 – 5.5HP
- Degree of motor protection: IP55 (IEC60034-5)n• Insulation Class: F
- Duty: S1 continuous duty operation
- Altitude shall not exceed 1000m above seal-level (IEC60034-1)
- Allowed air temperature between -20°C and 40°C (IEC60034-1)



#### 1. Drain Plug

Brass, Anti-corrosion, rust-prevention, rigidity material to seal and prevent a leakage

#### 2. Inlet

Cast iron, ISO7005.2 PN16 connector for common model, special request is acceptable

#### 3. Pump Body

Cast Iron. Professional design in hydraulic passageway brings higher efficiency and stability

#### 4. Bracket

Cast Iron. Rational function layout, excellent physical design

#### 5. Fan Cover

Steel. Good heat dissipation

#### 6. Motor Casing

Aluminum, excellent and rigidity material for fast cooling, more solid

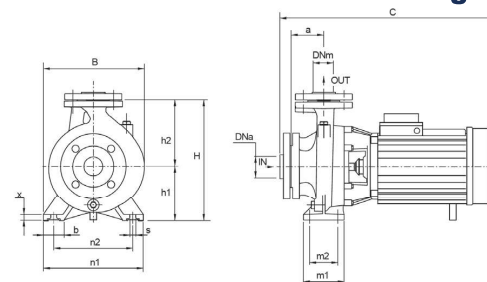
#### 7. Foot

Cast iron Double side foot, more stable

### Inlet and Outlet sizes

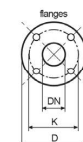
Type	Suc Size (mm)	Dis Size (mm)
CM32-160 / 200 / 250	DN50	DN32
CM40-125 / 200 / 250	DN65	DN40
CM50-125 / 160 / 200 / 250	DN65	DN50
CM65-125 / 160 / 200 / 250	DN80	DN65
CM80-160 / 200	DN100	DN80

### Installation Dimension Drawing

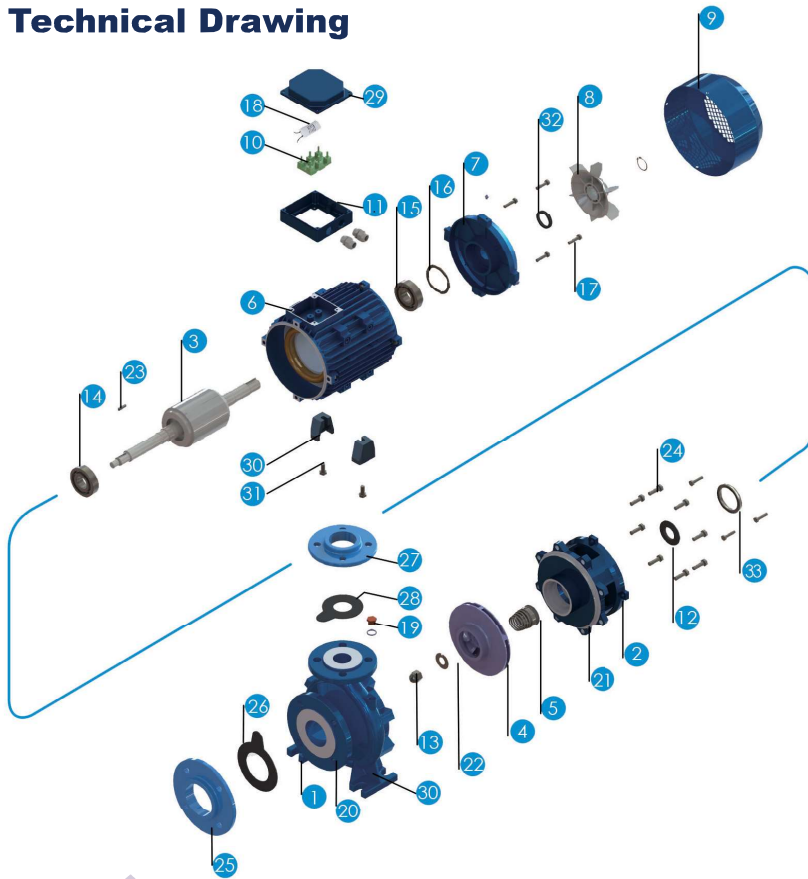


#### Dimensions (mm) Holes

DN	D	K	n°	Ø
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	4	18
100	220	180	8	18



# Technical Drawing

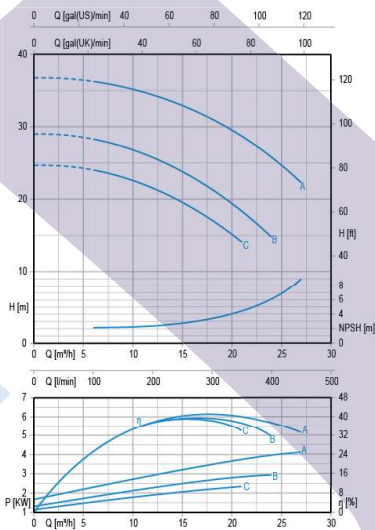


## No Description

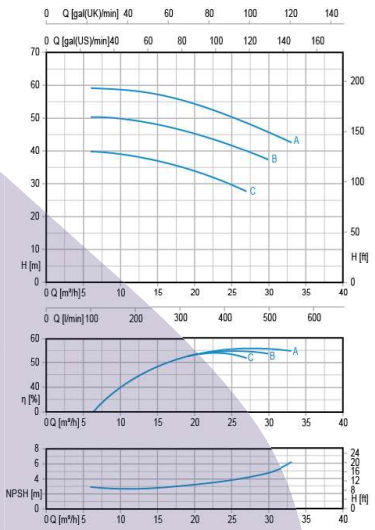
- 1 Pump body
- 2 Motor bracket
- 3 Shaft and rotor 3 phase
- 4 Cast iron impeller / Bronz impeller
- 5 Mechanical sea
- 6 Motor case and winding 3 phase
- 7 Motor cover
- 8 Fan
- 9 Fan cover
- 10 Terminal box 3 phase / terminal box 1 phase
- 11 Terminal box cover
- 12 Splash guard
- 13 Impeller stop nut
- 14 Pump side ball bearing
- 15 Fan side ball bearing
- 16 Adjusting ring
- 17 Motor rod
- 18 capacitor
- 19 Filling plug
- 20 Drain plug
- 21 Pump body O-R gasket
- 22 Mechanical seal spacer
- 23 Key
- 24 Motor bracket-pump body screw
- 25 Suction pipe flange
- 26 Suction pipe gasket
- 27 Delivery pipe flange
- 28 Delivery pipe gasket
- 29 capacitor holding box
- 30 Metal foot
- 31 Lockinpin (screw)
- 32 V-Ring
- 33 Ring seal

# Performance Chart & Table

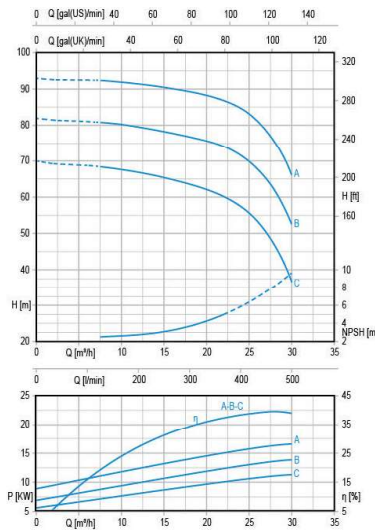
## CM32-160



## CM32-200



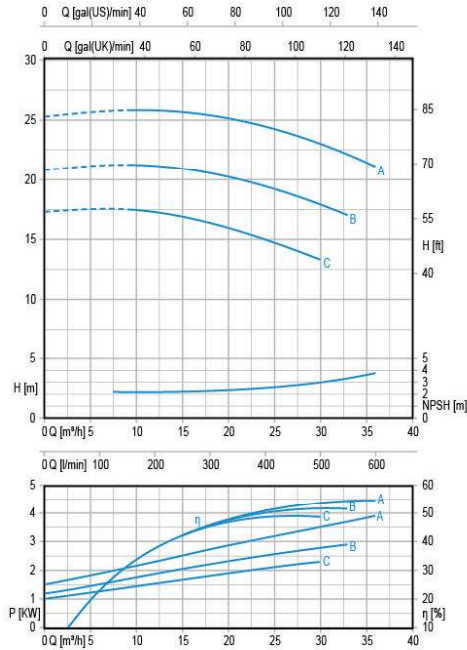
## CM32-250



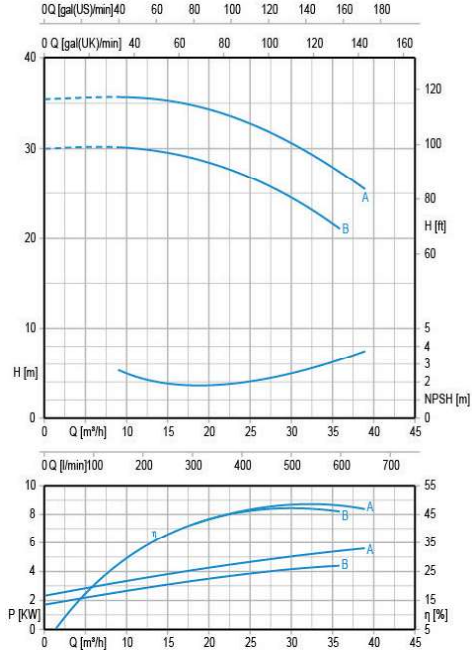
Type	P2			I	Q (m³/h - l/min)															
	nom.		max		0	4,5	6	7,5	9	12	15	18	21	24	27	30	33	36	156	168
	HP	KW	KW		0	75	100	125	150	200	250	300	350	400	450	500	550	600	2600	2800
CM32-160C	2.0	1.5	2.3	4	24.7	24.4	24.1	23.6	23	21.5	19.6	17.2	14.1							
CM32-160B	3.0	2.2	2.9	5.2	29	28.5	28	27.3	25.7	23.8	21.4	18.5	14.8							
CM32-160A	4.0	3	4.1	7.1	36.8	36.4	36	35.4	34.2	32.8	31.1	28.8	26	22.3						
CM32-200C	5.5	4.0	4.9	8.8	40.1	39.7	39.6	39.3	38.3	36.9	35.2	33.0	30.4	27.6						
CM32-200B	7.5	5.5	7.0	12.4	50.1	50.2	50.1	49.9	49.3	48.0	46.4	44.5	42.4	39.8	42.5			~ 2900 r.p.m.		
CM32-200A	10	7.5	8.5	15.0	58.6	59.0	58.9	58.8	58.2	57.1	55.5	53.4	51.1	48.4						
CM32-250C	12.5	9.2	11.9	20.1	70		68.5	68.0	67.0	65.5	63.5	61	58	50						
CM32-250B	15	11	14.4	24.2	82		81.0	80.5	79.5	78.5	77.0	74.5	71.9	65						
CM32-250A	20	15	18.1	30.1	93.0		92.5	92.0	91.5	90.5	89.5	87.5	85	78.5						

# Performance Chart & Table

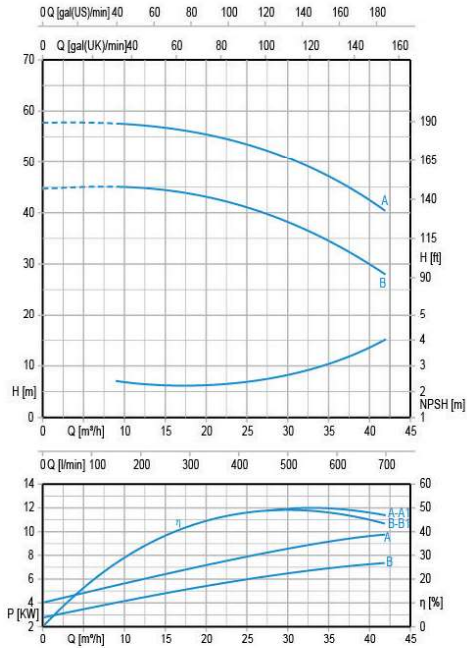
## CM40-125



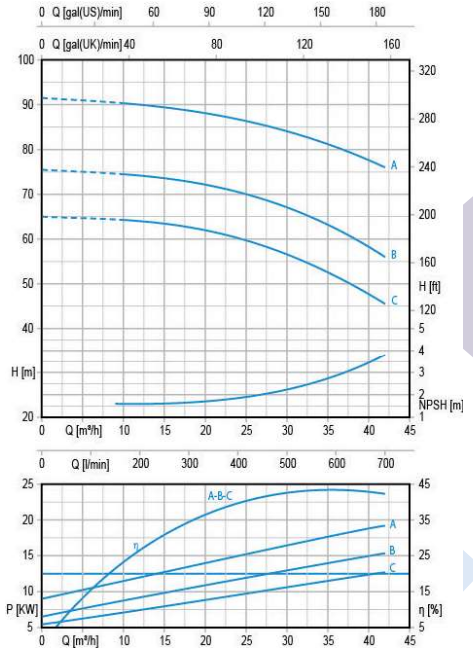
## CM40-160



## CM40-200



## CM40-250

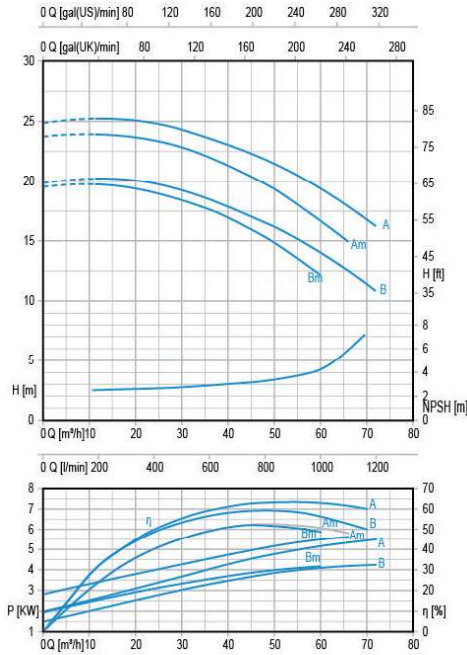


Type	P2 nom.		P1 max	I	Q (m <sup>3</sup> /h - l/min)																
	HP	KW			0	4,5	6	7,5	9	12	15	18	21	24	27	30	33	36	39	42	
			KW	3x400V 50HZ	0	75	100	125	150	200	250	300	350	400	450	500	550	600	650	700	
CM40-125C	2.0	1.5	2.3	4	17.4																
CM40-125B	3.0	2.2	2.9	5.2	20.7																
CM40-125A	4.0	3.0	4.1	7.1	25.2																
CM40-160B	4.0	3.0	4.4	7.4	30.0																
CM40-160A	5.5	4.0	5.7	9.9	35.4																
CM40-200B	7.5	5.5	7.4	12.7	44.7																
CM40-200A	10	7.5	9.8	16.5	57.7																
CM40-250C	12.5	9.2	12.6	21	65.0																
CM40-250B	15	11.0	14.4	24.2	75.5																
CM40-250A	20	15.0	19.0	32.0	91.5																

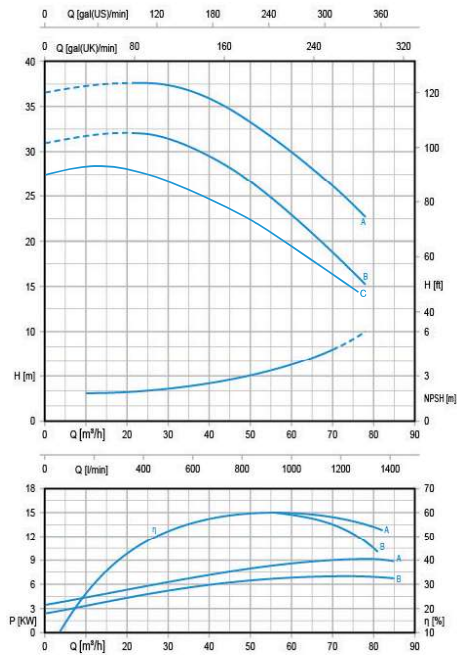


# Performance Chart & Table

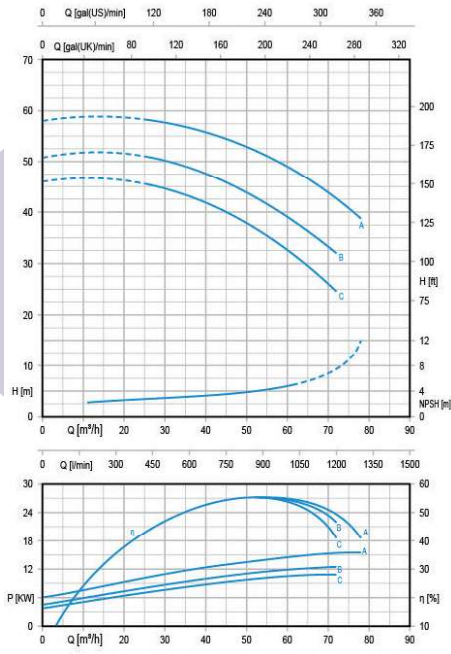
## CM50-125



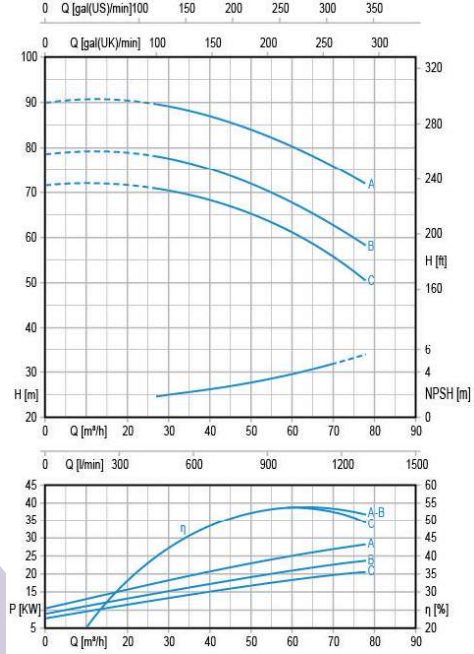
## CM50-160



## CM50-200



## CM50-250

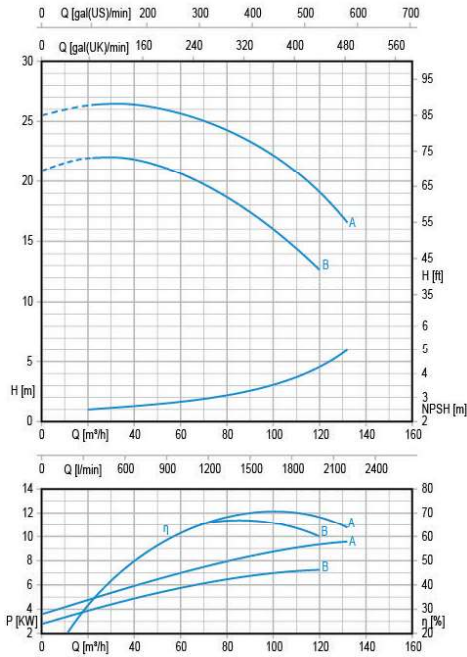


Type	P2 nom.	P1 max	I 3x400v 50 Hz	Q (m <sup>3</sup> /h - l/min)																		
				0	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	72	78	
				0	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300	
CM50-125B	4	3.0	4.2	7.1	19.8	20.2	20.2	20.1	20.0	19.8	19.5	19.3	18.8	18.5	18.0	17.6	16.5	15.3	14.0	12.5	10.8	
CM50-125A	5.5	4.0	5.5	9.6	24.8	25.2	25.2	25.1	25.0	24.8	24.6	24.3	23.9	23.5	23.2	22.7	21.8	20.7	19.4	17.9	16.2	
CM50-160C	5.5	4.0	5.5	9.6		27.4				26.3		25		23.1		21.4	19.1	17.2	14	11.6	8.5	
CM50-160B	7.5	5.5	6.7	11.6	31.1				32.1	32.0	31.7	31.4	31.0	30.4	29.7	28.9	27.3	25.3	23.1	20.7	18.0	15.2
CM50-160A	10	7.5	9.4	15.8	36.7				37.9	37.8	37.7	37.4	37.1	36.6	36.1	35.4	33.9	32.1	30.0	27.8	25.3	22.6
CM50-200C	12.5	9.2	10.8	18.5	46.0					45.6	45.1	44.5	43.7	42.9	41.8	40.8	38.5	35.9	33.0	29.0	24.5	
CM50-200B	15	11	12.4	21	50.8					51.0	50.5	50.0	49.3	48.5	47.7	46.8	44.7	42.2	39.5	35.9	32.0	
CM50-200A	20	15	15.4	27	58.0					58.3	58.0	57.5	57.0	56.4	55.7	55.0	53.2	51.3	49.0	46.3	42.8	38.8
CM50-250C	20	15	20	32.5	71.5					70.8	70.3	69.7	69.0	68.3	67.6	66.0	64.0	61.5	58.6	55.0	50.5	
CM50-250B	25	18.5	23	41.5	78.0					78.0	77.4	76.8	76.1	75.3	74.5	72.8	70.6	68.2	65.5	62.2	58.3	
CM50-250A	30	22	28.5	51.5	90.0					89.5	88.8	88.3	87.7	86.9	86.1	84.5	82.7	80.5	78	75.2	71.7	

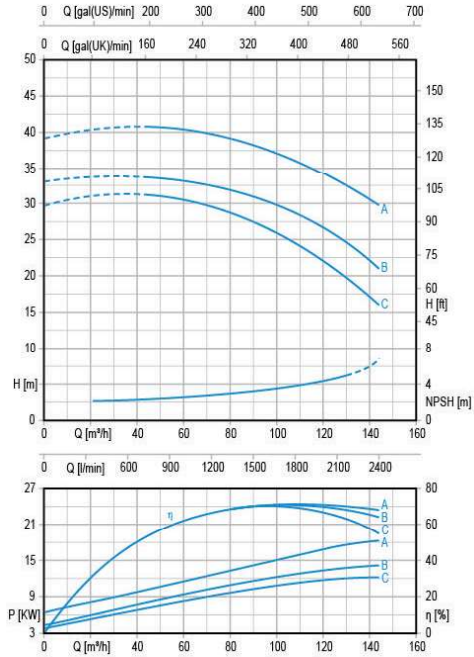


# Performance Chart & Table

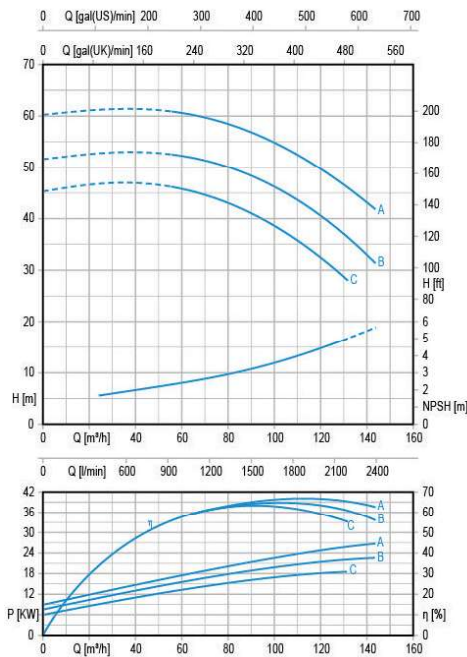
## CM65-125



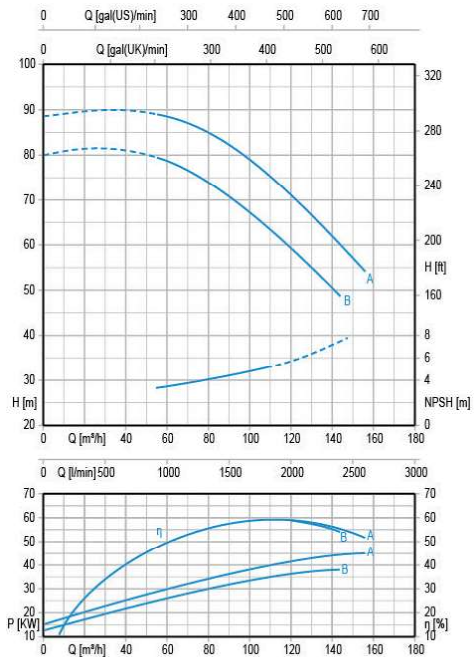
## CM65-160



## CM65-200



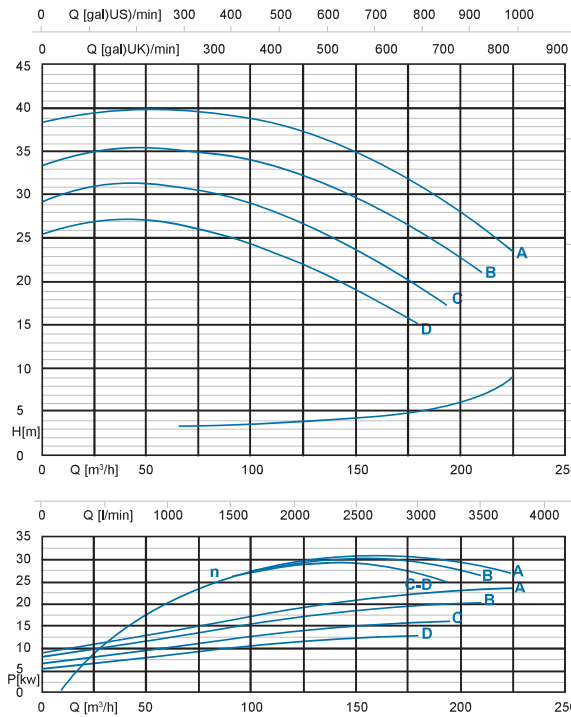
## CM65-250



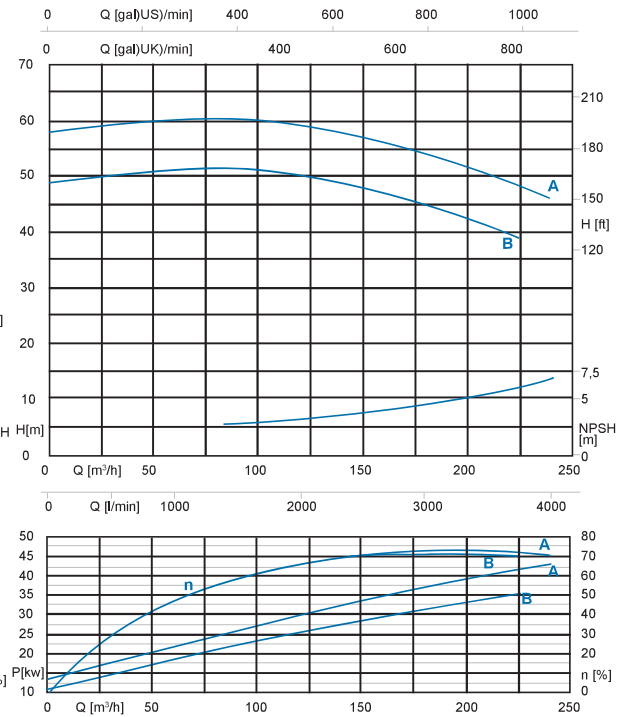
Type	P2 nom.		P1 max	I 3x400V 50 Hz	Q (m³/h - l/min)																			
	HP	KW			0	30	33	36	39	42	48	54	60	66	72	78	84	96	108	120	132	144	156	
					0	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	
CM65-125B	7.5	5.5	7.2	12.6	20.9	22.0	22.0	21.9	21.8	21.7	121.4	21.0	20.6	20.1	19.6	19.0	18.3	16.6	14.7	12.6				
CM65-125A	10	7.5	9.5	16.3	25.4	26.4	26.4	26.4	26.3	26.3	26.1	25.9	25.6	25.3	24.9	24.5	24.0	22.7	21.0	18.9	16.5			
CM65-160C	12.5	9.2	11.7	19.5	29.8					31.2	31.1	30.8	30.5	30.1	29.6	29.0	28.3	26.6	24.6	22.1	19.3	16.0		
CM65-160B	15	11.0	13.0	22.5	33.0					34.6	34.4	34.2	34.0	33.7	33.3	32.8	32.1	30.6	28.8	26.7	24.1	21.1		
CM65-160A	20	15.0	18.0	30.0	39.2					40.6	40.6	40.4	40.2	40.0	39.7	39.4	38.9	37.7	36.2	34.3	32.2	29.8		
CM65-200C	20	15	18.6	31.4	45.3							46.3	45.7	45.1	44.3	43.4	42.3	39.8	36.7	32.7	28.0			
CM65-200B	25	18.5	22.6	38.2	51.6							52.6	52.2	51.8	51.0	50.2	49.3	47.1	44.1	40.9	36.6	31.3		
CM65-200A	30	22.5	26.6	43.8	60.2							61.0	60.6	60.1	59.5	58.7	57.8	55.8	53.1	49.8	46.1	41.7		
CM65-250B	40	30	37.8	63.5	81.0							79.5	78.5	77.3	76.0	74.5	73.0	69.3	65.0	60.0	54.5	48.5		
CM65-250A	50	37	45	74.5	90.0							89.5	88.5	87.5	86.5	85.5	84.0	80.5	76.5	72.0	66.5	60.5	54.4	

# Performance Chart & Table

## CM80-160

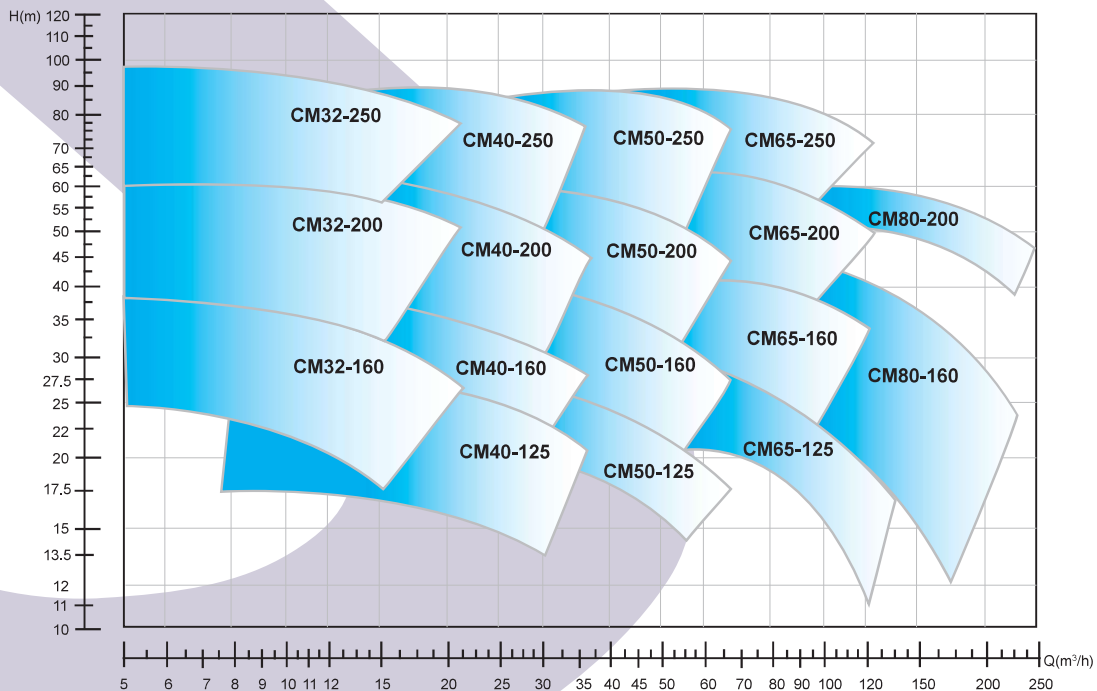


## CM80-200



Type	P2 nom.	P1 max	I 3x400V 50 Hz	Q (m³/h - l/min)																
				H (m)																
				0	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240
CM80-160D	15	11	12.7	22.1	25.4	26.4	26.1	25.7	25.3	23.6	22.5	21.3	20.0	18.5	16.9	15.1				
CM80-160C	20	15	15.9	27.4	29.7	30.7	30.5	30.3	29.9	28.1	27.1	26.0	24.7	23.1	21.5	19.7	17.2			
CM80-160B	25	18.5	20.1	34.8	34	35.0	35.0	34.8	34.6	33.3	32.5	31.6	30.5	29.2	27.8	26.0	23.6	21.0		
CM80-160A	30	22.5	23.7	39.8	38.8	39.8	39.7	39.6	39.4	38.2	37.5	36.7	35.7	34.5	33.2	31.6	29.4	26.8	23.5	
CM80-200B	40	30	37.8	63.5	49.0				50.8	50.3	49.8	49.3	48.6	47.7	46.7	45.5	43.8	41.5	38.6	
CM80-200A	50	37	45	74.5	58.0					59.2	58.6	58.0	57.3	56.4	55.5	54.3	52.7	50.8	48.5	46.1

## Selection



# Flow/Pressure Controllers

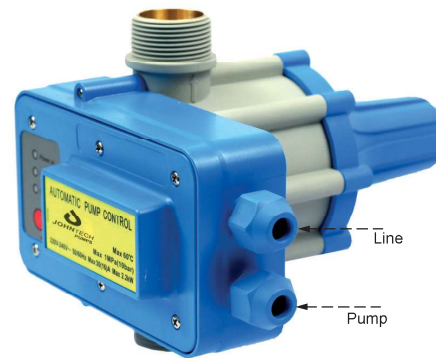
## Automatic Pump Control PS01

**Rated Voltage:** 220-240V  
**Max power:** 1.1kw  
**Max rated current:** 10A  
**Protection Degree:** IP65  
**Connection:** 1" Male  
**Starting pressure:** 1.5 Bar  
**Maximum pressure:** 10 Bar



## Automatic Pump Control PS01A

**Rated Voltage:** 220-240V  
**Max power:** 2.2kw  
**Max rated current:** 30A  
**Protection Degree:** IP65  
**Connection:** 1 1/4" Male  
**Starting pressure:** 2.2 Bar  
**Maximum pressure:** 10 Bar



## Automatic Pump Control PS02B

**Rated Voltage:** 220-240V  
**Max power:** 1.1kw  
**Max rated current:** 10A<sup>o</sup>  
**Protection Degree:** IP65  
**Connection:** 1" Male  
**Starting pressure:** 1.5 - 3 Bar adjustable  
**Maximum pressure:** 10 Bar



# PS

## Domestic Drainage Pumps

### Operating Conditions

- Max submersion depth = 7m
- Max particle size = 30mm
- Pipe outlet dia. = 25mm / 1"
- NOT FOR CONTINUOUS DUTY

### Pump

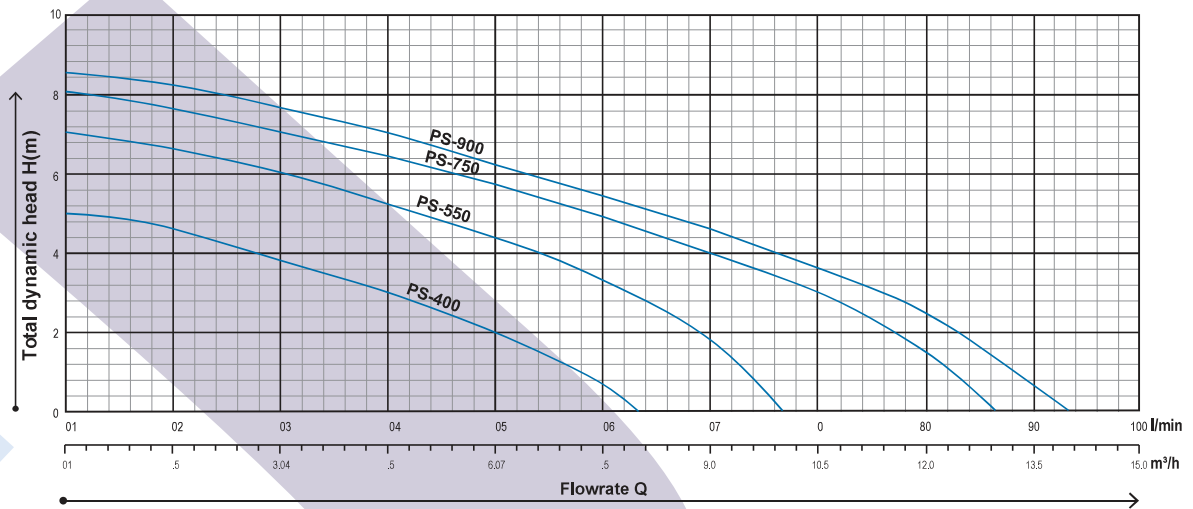
- Max. immersion depth: 7 m
- Max. liquid temperature: 40 °C
- Liquid pH value: 4-10
- Max. Particle size: 30mm

### Motor

- Copper winding
- Insulation Class: B
- Protection Class: IPX8



## Performance Chart at 2850rpm



## Technical Data (220-240/50Hz)

Model	PS-400	PS-550	PS-750	PS-900
Nominal output	0.4kW	0.55 kW	0.75kW	0.9 kW
Protection type	IPX8	IPX8	IPX8	IPX8
Max. supply height	5 m	7 m	8 m	8.5 m
Max. conveying amount	8000 l/h	10000 l/h	13000 l/h	14000 l/h
Max. submersion depth	7 m	7 m	7 m	7 m
Max. Grain size	30 mm	30 mm	30 mm	30 mm

# V RANGE

## Waste Water Pumps

### Application

- Waste water drainage in factories, construction sites and commercial facilities.
- Drainage stations in quarters.
- Residential / Municipal projects.
- Methane pools and field irrigation in rural areas.

### Pump

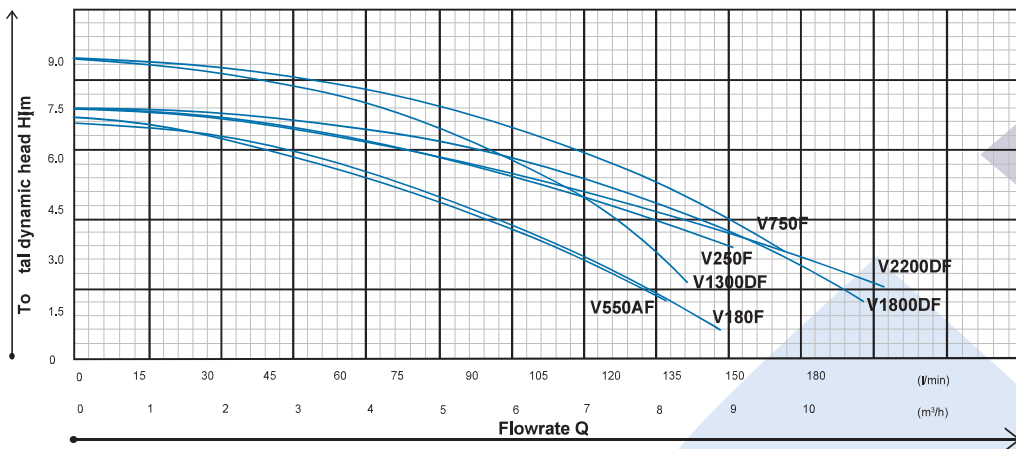
- Max. immersion depth: 5 m
- Max. liquid temperature: 40 °C
- Liquid pH value: 4-10
- Max. liquids density 1.2 x 10kg/m

### Motor

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation Class: B
- Protection Class: IPX8



## Performance Chart at 2850rpm



## Performance Table

Model	Power (kW)	Outlet Diameter (mm)	(V/Hz)	Max Flow (l/min)	Max Head (M)	G.W. (kg)
V180F	0.18	32, 40	220/50	133	7	9.0
V250F	0.25	32, 40	220/50	150	7,5	9.5
V550AF	0.55	50	220/50	260	9.5	14
V750F	0.75	50	220/50	300	12	21
V1300DF	1.3	50	220/50	300	12	25.5
V1800DF	1.8	75	220/50	400	10	32.5
V2200DF	2.2	75	220/50	520	10	31.5



# 3" & 4" Pump Packs

## Application

- Pumping clean water with sand content less than 150g/m<sup>3</sup>.
- For well pumping, river pumping, farm irrigation, water supply.

## Motor and Pump

- 2 pole induction motor
- Single-phase: 220V 50Hz
- Submersible motor in oil bath.
- Insulation: Class B.
- Protection: IP X8

## Operating Conditions

- Submersible Depth: 100m
- Liquid temperature up to + 40 Degree
- Ambient temperature up to + 40 Degree
- Minimum well diameter: 3.5"

## Material

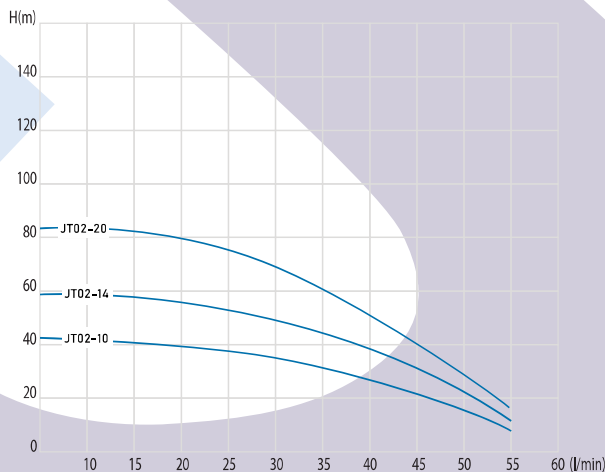
- Pump Body: Stainless steel
- Motor Bracket: Stainless Steel
- Pump Shaft & motor shaft: Stainless steel.
- Mechanical Seal: Graphite-Silicon carbide.
- Impeller: POM
- Coupling and outlet: Brass

## Included in the pack:

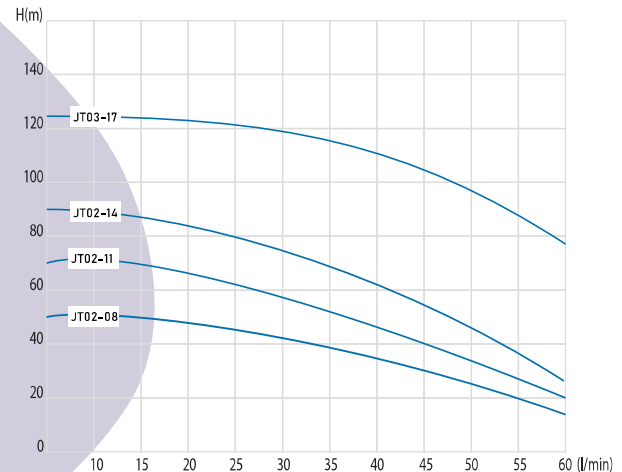
Pump, Oil Filled Motor, Control Box, 1 x Base plate, 3 x Compression Fittings, Rope, Submersible cable



## 3" Performance Curves



## 4" Performance Curves





# 3" & 4" Pump Sets

## Application

- Pumping clean water with sand content less than 150g/m<sup>3</sup>.
- For well pumping, river pumping, farm irrigation, water supply.

## Motor and Pump

- 2 pole induction motor
- Single-phase: 220V 50Hz
- Submersible motor in oil bath.
- Insulation: Class B
- Protection: IP X8

## Operating Conditions

- Submersible Depth: 100m
- Liquid temperature up to + 40 Degree
- Ambient temperature up to + 40 Degree
- Minimum well diameter: 3.5"

## Material

- Pump Body: Stainless steel
- Motor Bracket: Stainless Steel
- Pump Shaft & motor shaft: Stainless steel.
- Mechanical Seal: Graphite-Silicon carbide.
- Impeller: POM
- Coupling and outlet: Brass

## Included in the set:

Pump, Oil Filled Motor, Control Box, Submersible cable



## 3" Sets

	Pump	Cable	Power Range
3" Set 1	3SGM2-10	40m	0.25kW
3" Set 2	3SGM2-14	50m	0.37kW
3" Set 3	3SGM2-20	60m	0.55kW
3" Set 4	3SGM2-27	70m	0.75kW

## 4" Sets

	Pump	Cable	Power Range
4" Set 1	4SGM2-8	50m	0.37kW
4" Set 2	4SGM2-10	60m	0.55kW
4" Set 3	4SGM2-14	70m	0.75kW
4" Set 4	4SGM3-17	80m	1.1kW

# 4SD Range

## Deep Well Submersible Pumps

### Operating Conditions

- Maximum ambient temperature < 40°C
- Sand content (mass fraction) up to 0.01%
- Submersible Depth: 70m below static water table

### Motor

- Flange 4" NEMA standard
- Oil-filled motor, stable & reliable running with pressure regulating membrane
- Installation in 4" or larger boreholes.

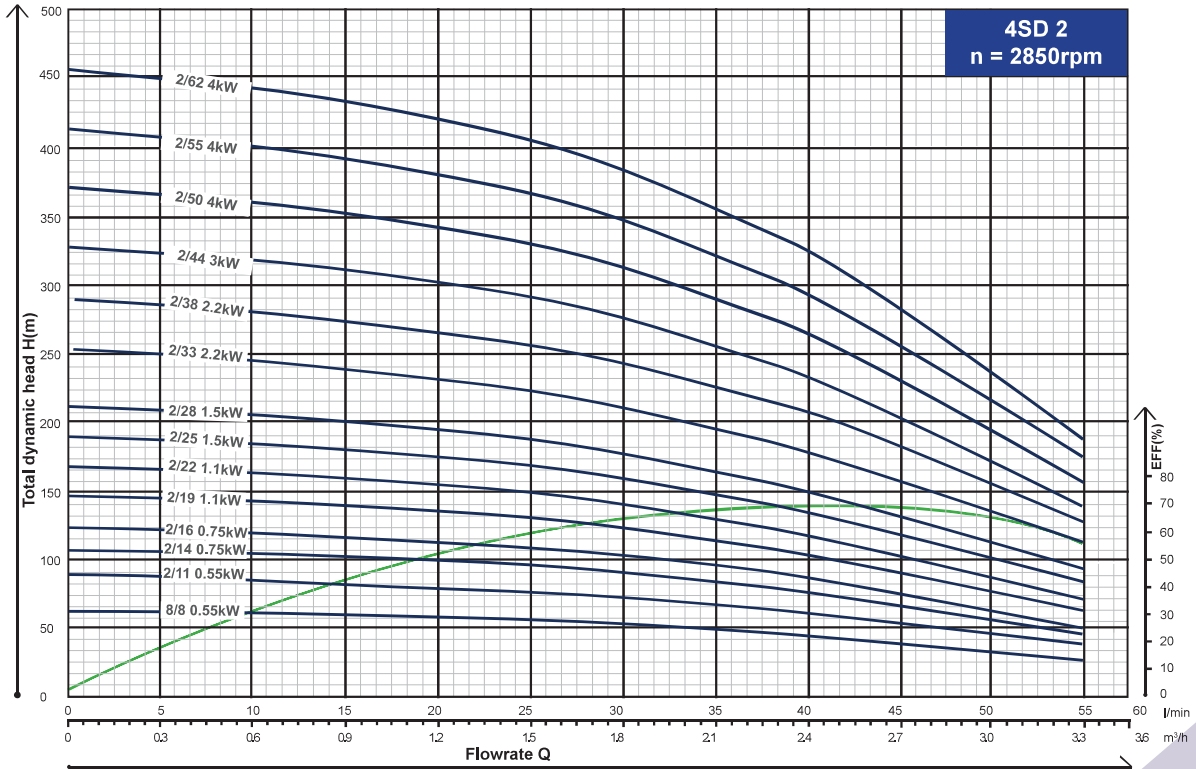
### Pump Range

- Max flow: 12m<sup>3</sup>/h
- Max head: 454m



# 4SD 2 Range

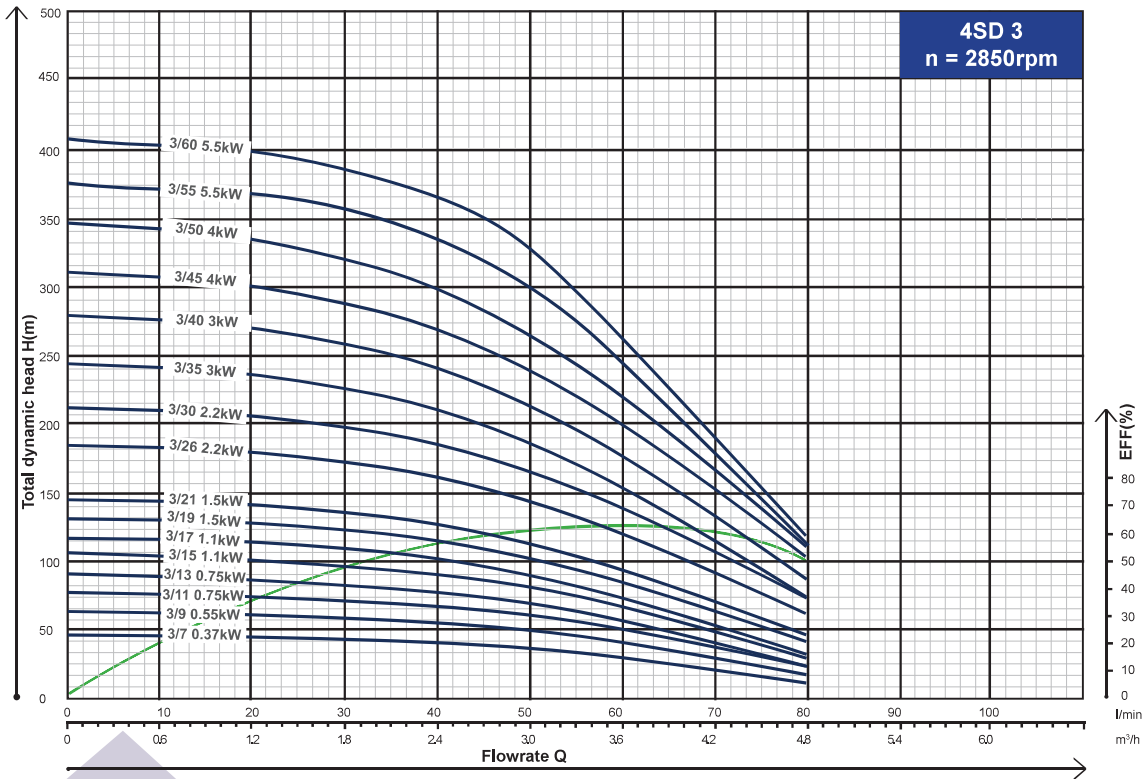
**Performance Curves**



MODEL	POWER		OUTLET SIZE (DN)	Flowrate Q													
	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	
				l/min	0	5	10	15	20	25	30	35	40	45	50	55	
4SD 2/8	0.37	0.5	1 1/4" 32mm	HEAD (M)	58	56	55	54	52	50	46	43	38	34	27	21	
4SD 2/11	0.55	0.75			82	80	79	77	74	71	67	62	56	49	41	32	
4SD 2/14	0.75	1			102	100	99	97	93	89	84	82	70	62	51	41	
4SD 2/16	0.75	1			117	114	113	111	106	102	96	94	80	71	58	47	
4SD 2/19	1.1	1.5			140	137	135	133	127	122	115	107	98	86	71	57	
4SD 2/22	1.1	1.5			162	159	156	154	147	141	133	124	113	100	82	66	
4SD 2/25	1.5	2			184	180	178	174	169	162	152	142	128	114	96	78	
4SD 2/28	1.5	2			206	202	199	195	189	181	170	159	143	128	108	87	
4SD 2/33	2.2	3			246	241	238	233	226	216	204	191	174	153	130	106	
4SD 2/38	2.2	3			283	278	274	268	260	249	235	220	200	176	150	122	
4SD 2/44	3	4			320	317	311	304	295	284	269	250	225	198	165	132	
4SD 2/50	3	4			364	360	353	345	335	323	306	284	256	225	188	150	
4SD 2/55	4	5.5	410	403	396	386	376	361	342	318	289	252	206	165			
4SD 2/62	4	5.5	454	446	438	427	416	400	379	352	320	279	228	183			

# 4SD 3 Range

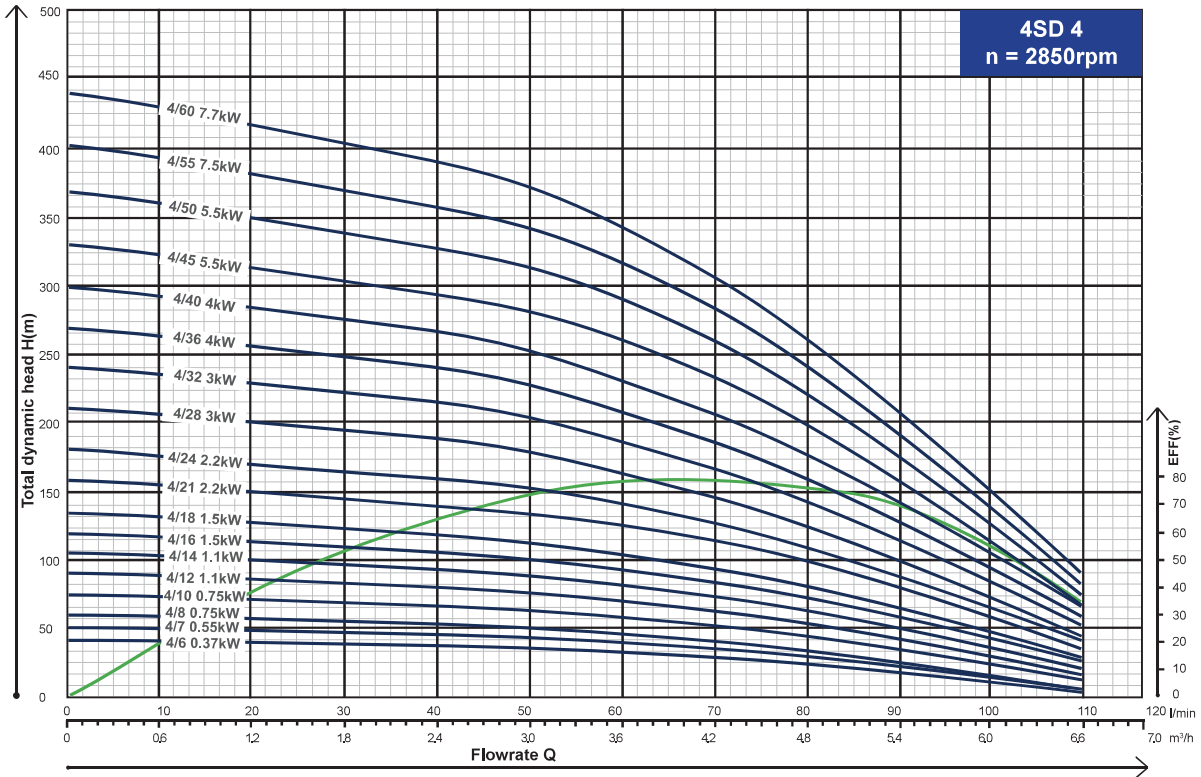
## Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	m³/h	EFF (%)								
	kW	HP			0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
4SD 3/7	0.37	0.5	1½" 32mm	HEAD (M)	49	48	47	44	40	35	28	23	12
4SD 3/9	0.55	0.75			65	64	63	60	55	48	40	30	19
4SD 3/11	0.75	1			81	79	78	75	68	60	49	37	24
4SD 3/13	0.75	1			69	39	2	89	80	71	58	44	28
4SD 3/15	1.1	1.5			110	108	106	102	96	84	68	49	28
4SD 3/17	1.1	1.5			125	122	120	116	109	95	77	56	32
4SD 3/19	1.5	2			140	138	136	130	120	106	87	66	43
4SD 3/21	1.5	2			155	153	150	144	133	117	96	73	48
4SD 3/26	2.2	3			195	193	190	182	168	150	124	96	65
4SD 3/30	2.2	3			225	223	219	210	194	173	143	111	75
4SD 3/35	3	4			260	258	253	243	224	198	163	124	78
4SD 3/40	3	4			297	295	289	278	256	226	186	142	89
4SD 3/45	4	5.5			332	330	324	310	288	256	208	162	107
4SD 3/50	4	5.5			369	367	360	344	320	284	231	180	114
4SD 3/55	5.5	7.5	400	398	393	380	355	323	250	187	115		
4SD 3/60	7.5	7.5	436	434	429	415	387	352	273	207	125		

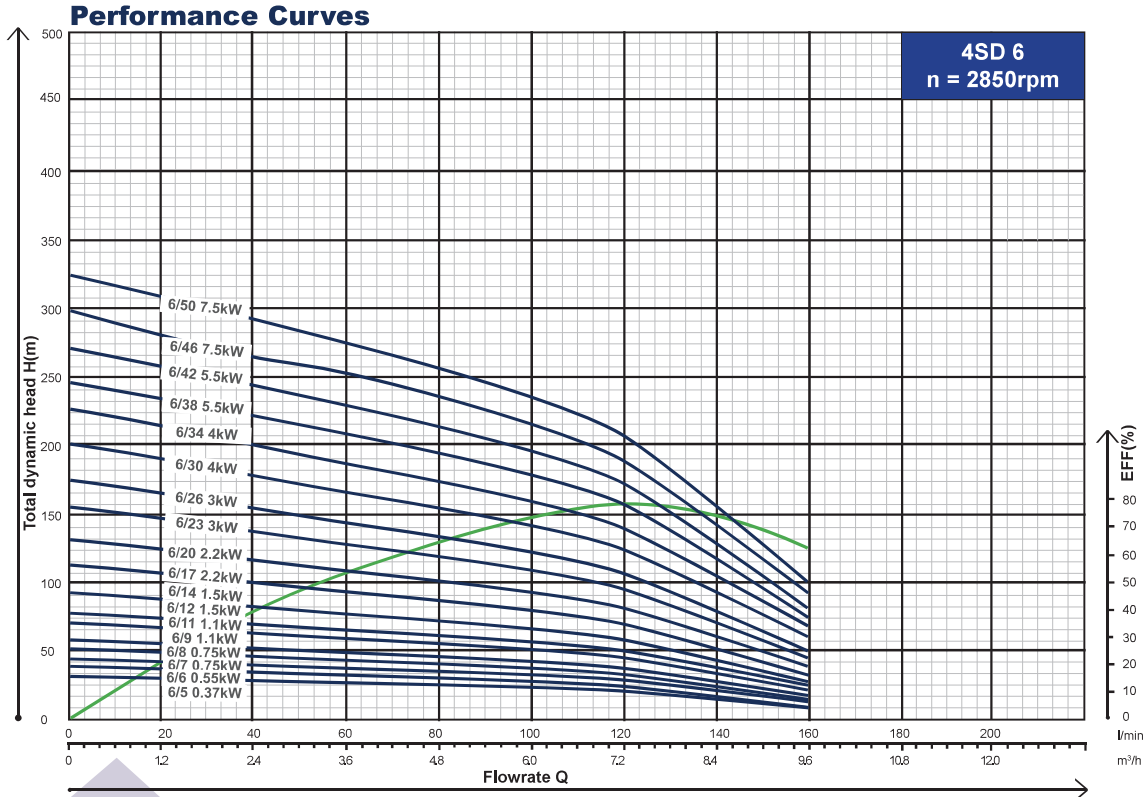
# 4SD 4 Range

## Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	Flowrate Q											
	kW	HP		m <sup>3</sup> /h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
4SD 4/6	0.37	0.5	1 1/4" 32mm	42	40	39	37	35	32	29	24	19	12	4	
4SD 4/7	0.55	0.75		50	48	47	46	44	40	36	31	25	18	9	
4SD 4/8	0.75	1		59	57	55	53	51	47	43	37	29	21	11	
4SD 4/10	0.75	1		74	71	69	66	64	59	54	46	36	26	14	
4SD 4/12	1.1	1.5		89	85	83	81	77	72	65	56	45	33	18	
4SD 4/14	1.1	1.5		104	99	97	95	90	84	76	65	53	39	21	
4SD 4/16	1.5	2		118	113	110	107	102	95	86	75	60	45	26	
4SD 4/18	1.5	2		133	127	124	120	115	107	97	84	68	51	29	
4SD 4/21	2.2	3		156	150	146	142	136	127	116	101	82	62	35	
4SD 4/24	2.2	3		178	171	167	162	155	145	133	115	94	71	40	
4SD 4/28	3	4		209	203	196	190	182	170	152	130	106	77	45	
4SD 4/32	3	4		239	232	224	217	208	194	174	147	121	88	51	
4SD 4/36	4	5.5		267	257	250	243	232	216	194	167	136	98	57	
4SD 4/40	4	5.5		297	286	278	270	258	240	216	186	151	109	63	
4SD 4/45	5.5	7.5		328	317	308	297	286	269	242	207	165	118	67	
4SD 4/50	5.5	7.5		364	352	342	330	318	299	269	230	183	131	74	
4SD 4/55	7.5	10	401	388	375	363	349	328	296	250	202	145	82		
4SD 4/60	7.5	10	437	423	409	396	381	356	323	273	220	158	89		

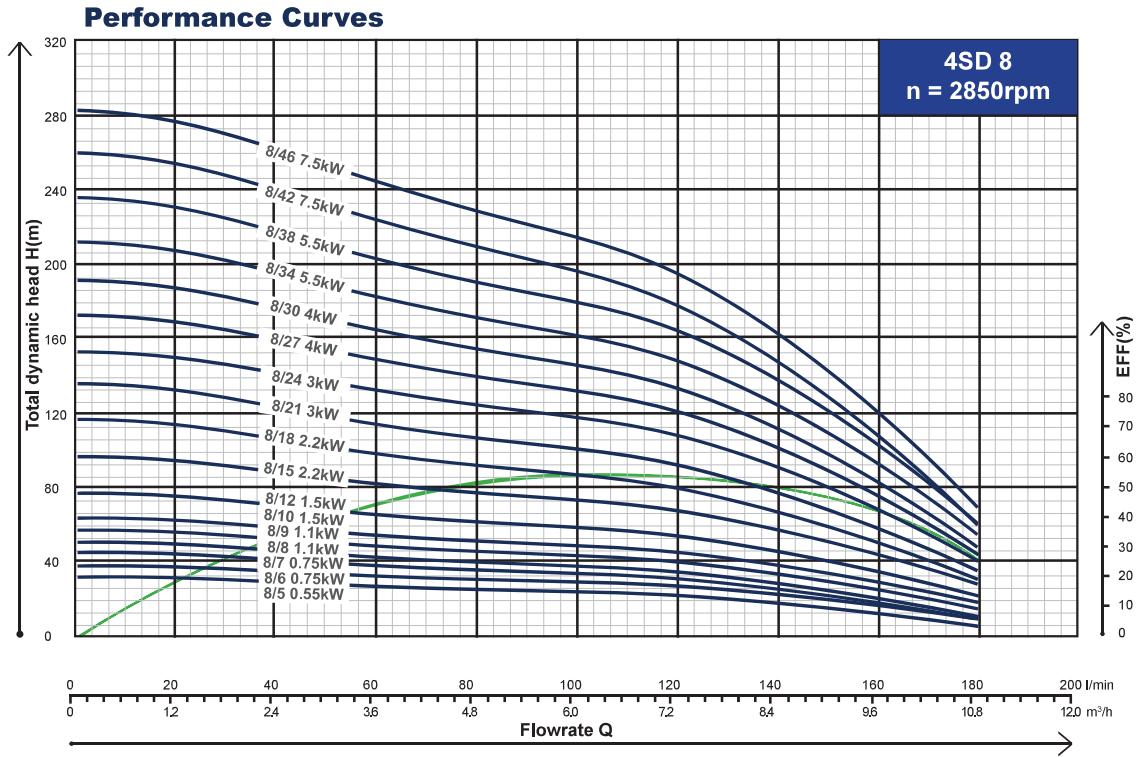
# 4SD 6 Range



MODEL	POWER		OUTLET SIZE (DN)	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
	kW	HP			0	20	40	60	80	100	120	140
4SD 6/5	0.37	0.5	1½" 40mm	HEAD (M)	33	31	29	27	24	22	16	10
4SD 6/6	0.55	0.75			39	36	34	32	29	26	19	12
4SD 6/7	0.75	1			46	42	39	37	34	30	23	14
4SD 6/8	0.75	1			53	48	45	43	39	35	26	16
4SD 6/9	1.1	1.5			59	55	51	48	44	39	29	18
4SD 6/11	1.1	1.5			72	67	61	59	54	48	35	22
4SD 6/12	1.5	2			79	74	67	64	59	52	39	24
4SD 6/14	1.5	2			92	86	78	75	68	61	45	28
4SD 6/17	2.2	3			113	106	98	91	83	74	55	34
4SD 6/20	2.2	3			133	125	113	107	98	87	64	40
4SD 6/23	3	4			154	142	132	123	112	100	74	46
4SD 6/26	3	4			174	161	150	139	127	113	84	52
4SD 6/30	4	5.5			201	185	172	160	147	130	97	60
4SD 6/34	4	5.5			228	210	192	181	166	147	110	68
4SD 6/38	5.5	7.5			247	229	220	203	186	165	122	76
4SD 6/42	5.5	7.5			273	253	238	224	205	182	135	84
4SD 6/46	7.5	10	299	280	260	245	225	199	148	92		
4SD 6/50	7.5	10	325	303	284	267	244	217	161	100		

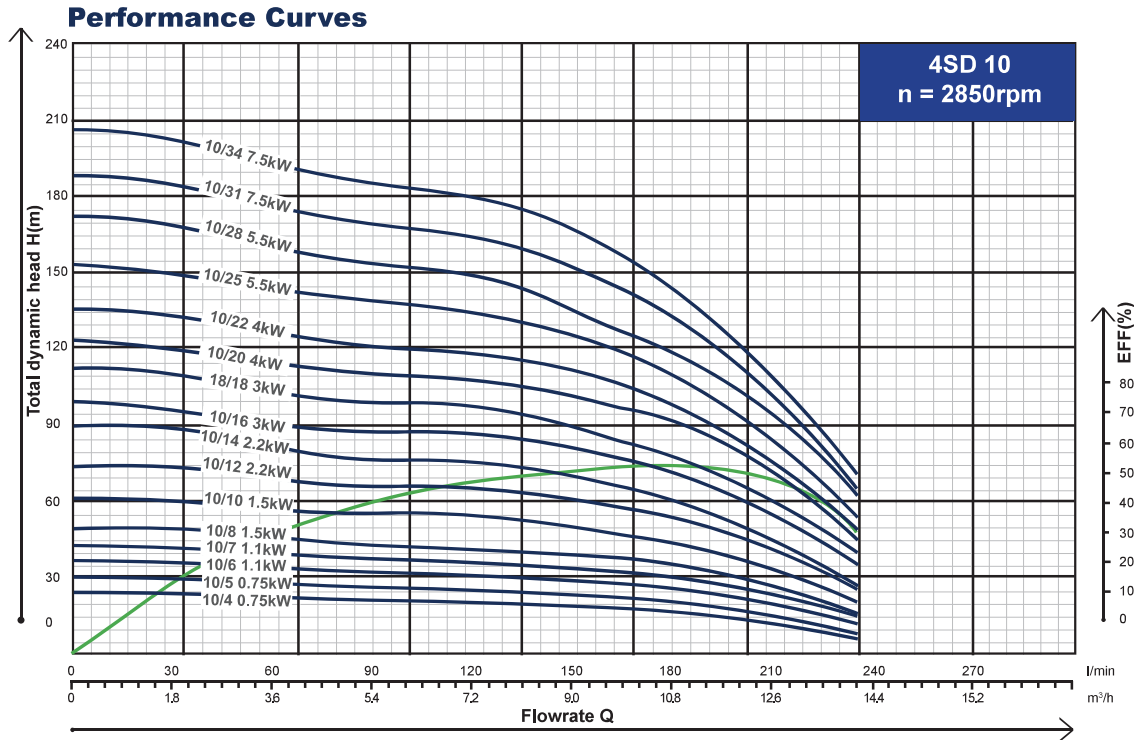


# 4SD 8 Range



Model	Power		Outlet Size (DN)	Flowrate Q											
	kW	HP		m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
				l/min	0	20	40	60	80	100	120	140	160	180	
4SD 8/5	0.55	0.75	1.5" 40mm	Head (M)	32	31	28	26	25	23	21	17	13	7	
4SD 8/6	0.75	1			39	38	35	32	30	28	26	22	17	10	
4SD 8/7	0.75	1			46	44	41	37	35	33	30	26	20	12	
4SD 8/8	1.1	1.5			51	50	46	43	40	38	35	30	23	15	
4SD 8/9	1.1	1.5			57	56	52	48	45	43	39	34	26	17	
4SD 8/10	1.5	2			64	63	58	54	51	48	44	38	30	29	
4SD 8/12	1.5	2			77	76	70	65	61	58	53	46	36	23	
4SD 8/15	2.2	3			98	95	88	82	78	73	67	58	45	29	
4SD 8/18	2.2	3			118	114	106	98	94	88	80	70	54	35	
4SD 8/21	3	4			103	130	124	114	107	102	93	80	63	40	
4SD 8/24	3	4			153	149	142	130	122	117	106	91	72	46	
4SD 8/27	4	5.5			172	168	160	147	138	132	120	103	80	49	
4SD 8/30	4	5.5			191	187	178	163	153	147	133	114	89	54	
4SD 8/34	5.5	7.5			212	208	198	182	171	162	147	125	95	56	
4SD 8/38	5.5	7.5			237	232	221	203	191	181	164	140	106	62	
4SD 8/42	7.5	10			260	253	241	223	209	196	178	149	112	63	
4SD 8/46	7.5	10	285	277	264	244	229	217	195	163	123	69			

# 4SD 10 Range



Model	Power		Outlet Size (DN)	Flowrate Q								
	kW	HP		m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6
				l/min	0	30	60	90	120	150	180	210
4SD 10/4	0.75	1	2" 50mm	Head (M)	25	24	23	22	21	18	14	7
4SD 10/5	0.75	1			31	30	29	27	26	23	18	9
4SD 10/6	1.1	1.5			37	36	34	33	31	28	23	13
4SD 10/7	1.1	1.5			43	42	40	39	36	33	27	15
4SD 10/8	1.5	2			50	49	46	44	42	37	30	17
4SD 10/10	1.5	2			63	61	58	55	53	46	38	21
4SD 10/12	2.2	3			77	76	70	66	63	55	42	22
4SD 10/14	2.2	3			90	89	82	77	74	64	49	26
4SD 10/16	3	4			100	98	91	88	84	74	59	36
4SD 10/18	3	4			113	110	102	99	98	87	64	40
4SD 10/20	4	5.5			124	121	114	110	106	95	76	45
4SD 10/22	4	5.5			136	133	125	121	117	105	84	50
4SD 10/25	5.5	7.5			154	150	141	136	130	116	92	55
4SD 10/28	5.5	7.5			172	168	158	152	146	125	100	62
4SD 10/31	7.5	10			188	184	174	168	160	141	110	66
4SD 10/34	7.5	10	206	202	191	184	175	155	121	72		

# Dimensions & Weight

Pump	Box Size	Weight	Pump	Box Size	Weight
PM45	29 X 17.5 X 20cm	6.3kg	JETJM-80	40 X 22.5 X 23.5cm	15.3kg
PM45 + PS01	30 X 25 X 36cm	8.3kg	JETJM-80 + PS01	48 X 30 X 50cm	17.3kg
PM80	34 X 19 X 21cm	9.2kg	JETJM-100	40 X 22.5 X 23.5cm	17.3kg
PM80 + PS01	30 X 25 X 36cm	11.2kg	JETJM-100 + PS01	48 X 30 X 50cm	17.3kg
CPM130	30.5 X 18.5 X 24.5cm	9.5kg	JETST-80	48 X 22 X 23.5cm	9.0kg
CPM130 + PS01	30 X 26 X 42cm	11.5kg	JETST-80 + PS01	50 X 28 X 38cm	11.5kg
CPM146	34 X 21.5 X 27cm	11.4kg	JETST-100	50 X 30 X 30cm	12.5kg
CPM146 + PS01	35 X 29 X 45cm	13.4kg	JETST-100 + PS01	50 X 28 X 38cm	14kg
CPM158	34 X 21.5 X 27cm	12.9kg	SCM2-55	42 X 23 X 28cm	25kg
CPM158 + PS01	35 X 29 X 45cm	14.9kg	SCM2-55 + PS01A	47 X 35 X 60cm	27kg
CPW180	39 X 25.5 X 33.5cm	20.7kg			
CPW180 + PS01	40 X 30 X 50cm	22.7kg			
CPW200	39 X 25.5 X 33.5cm	23.1kg			

## 3" Packs

Water Pack 1	103 X 38.5 X 14cm	15kg
Water Pack 2	103 X 38.5 X 14cm	18kg
Water Pack 3	103 X 38.5 X 14cm	24kg

## 4" Packs

JohnTech Pack 1	103 X 38.5 X 14cm	20kg
JohnTech Pack 2	103 X 38.5 X 14cm	26kg
JohnTech Pack 3	103 X 38.5 X 14cm	29kg
JohnTech Pack 4	103 X 38.5 X 14cm	40kg

## Notes

---



---



---



---



---



---



---



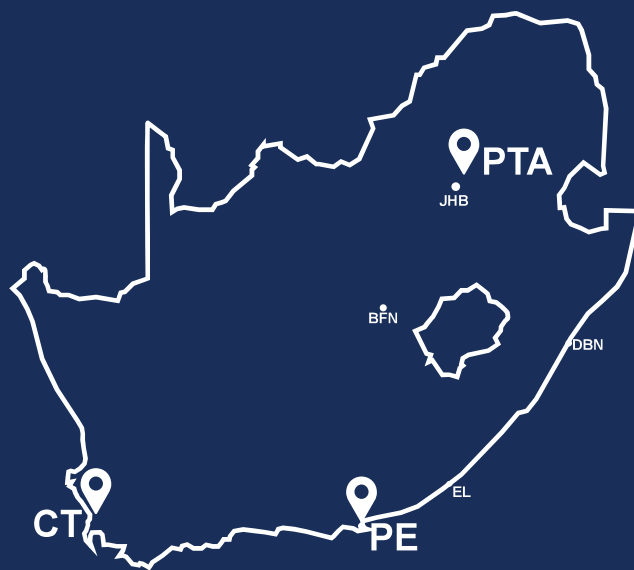
---



---



---



+27 72 245 1395

val@goodspeedsa.co.za

www.goodspeedsa.co.za