



JOHN TECH ***PUMPS***

Product Brochure





Important information:

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About us

We are a leading supplier of high-quality pumps and accessories in Africa. Our broad product range covers all requirements for liquid transfer within the agricultural, industrial, manufacturing, home, fire safety, civil, and mining sectors. Nothing is too big or small for us to help with in a professional manner because we take pleasure in providing individualized service to our customers.

We know that great service depends on having great people. We strive to employ individuals who share our values and embrace the changes that keep us ahead in the market.

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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

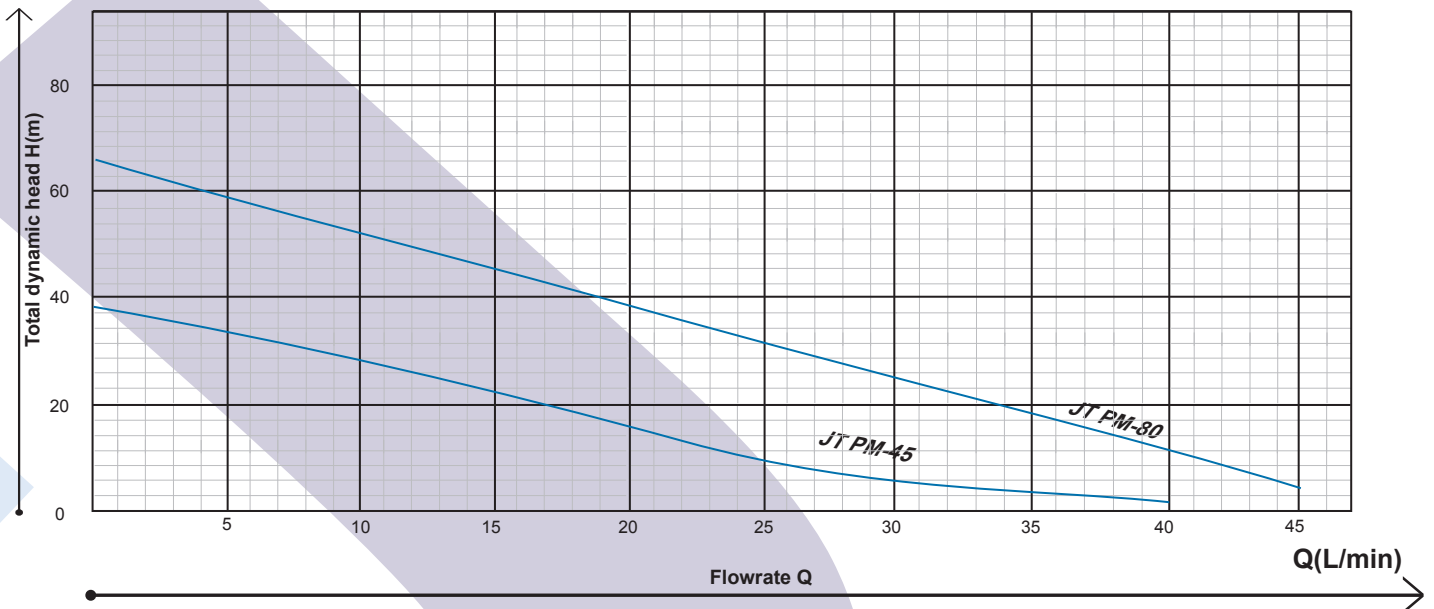


PM Series Peripheral pump



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		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

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

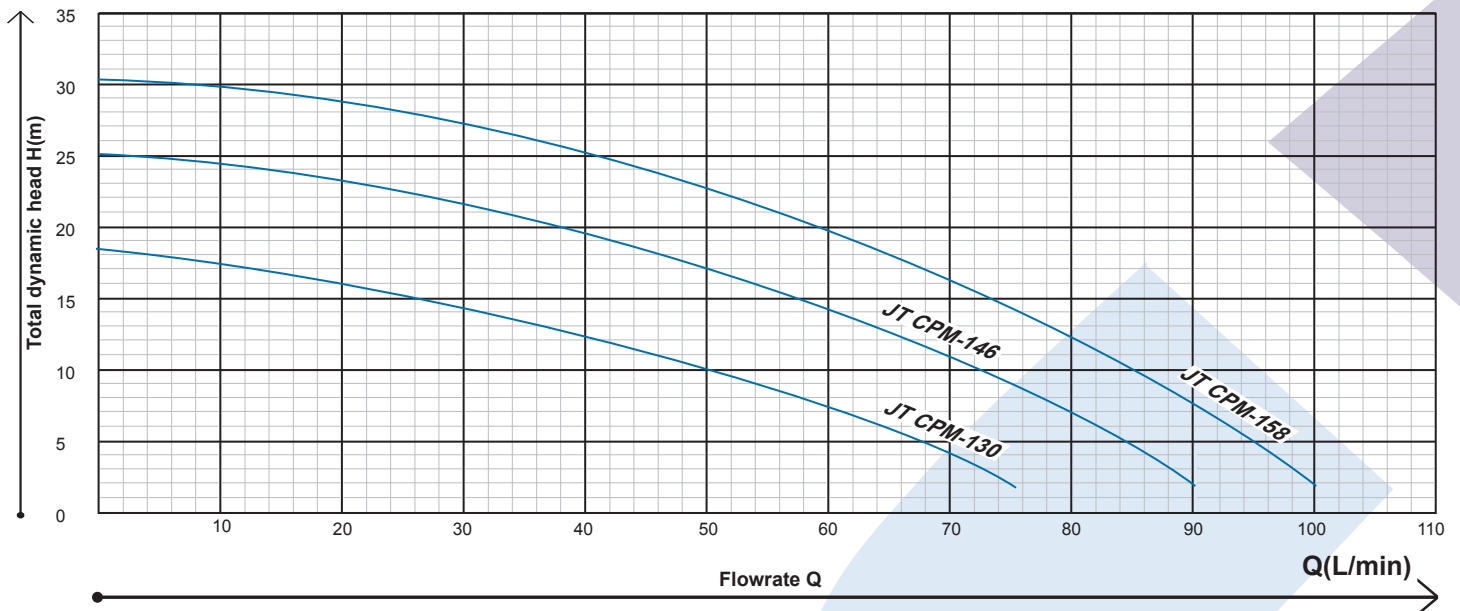


CPM Series pump



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)	Flowrate (l/min)							Weight Kg			
								0	20	40	60	75	80	90		100	105	
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

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

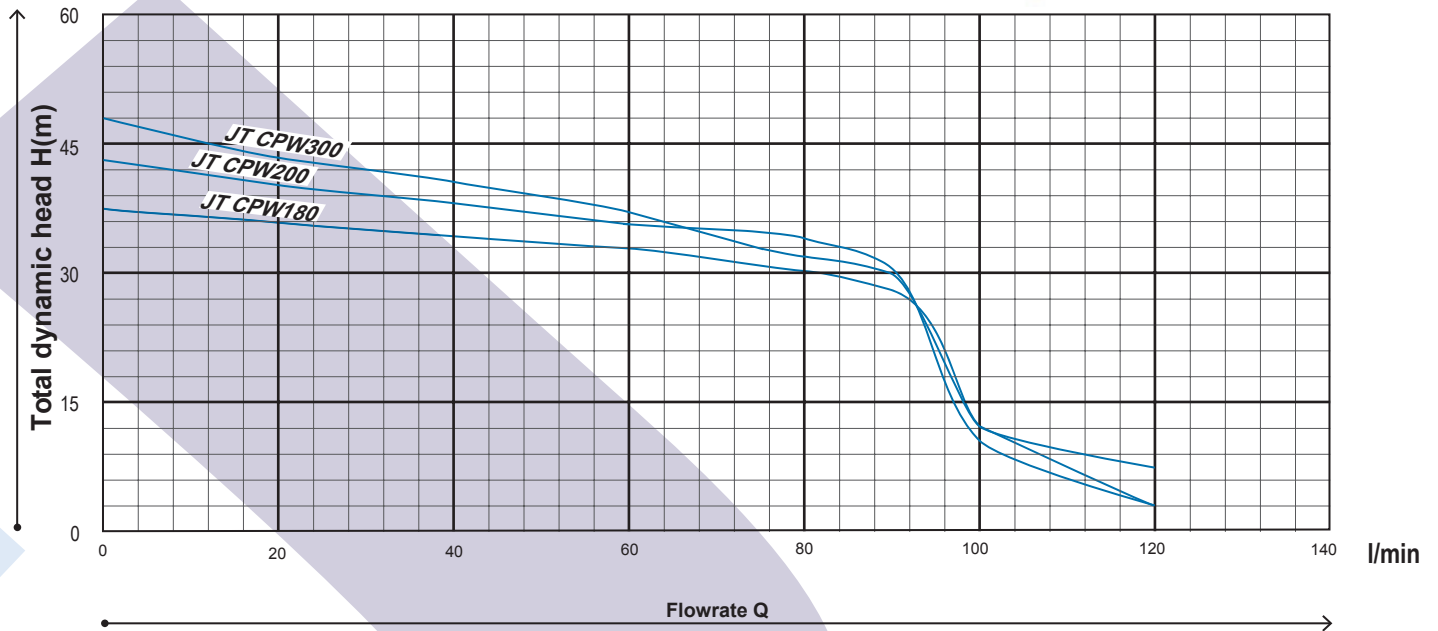


CPW Series pump



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)									Weight Kg	
								0	20	40	60	75	80	90	100		120
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

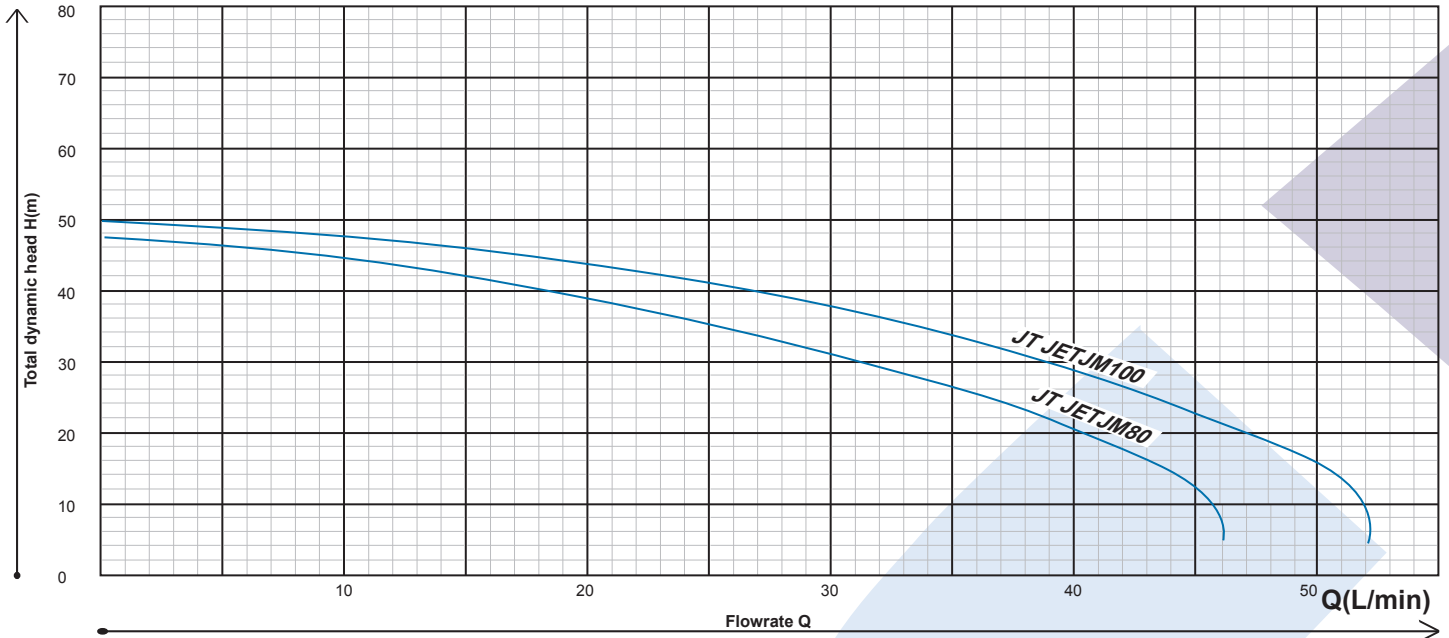


Jet-JM Series pump



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		70		
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

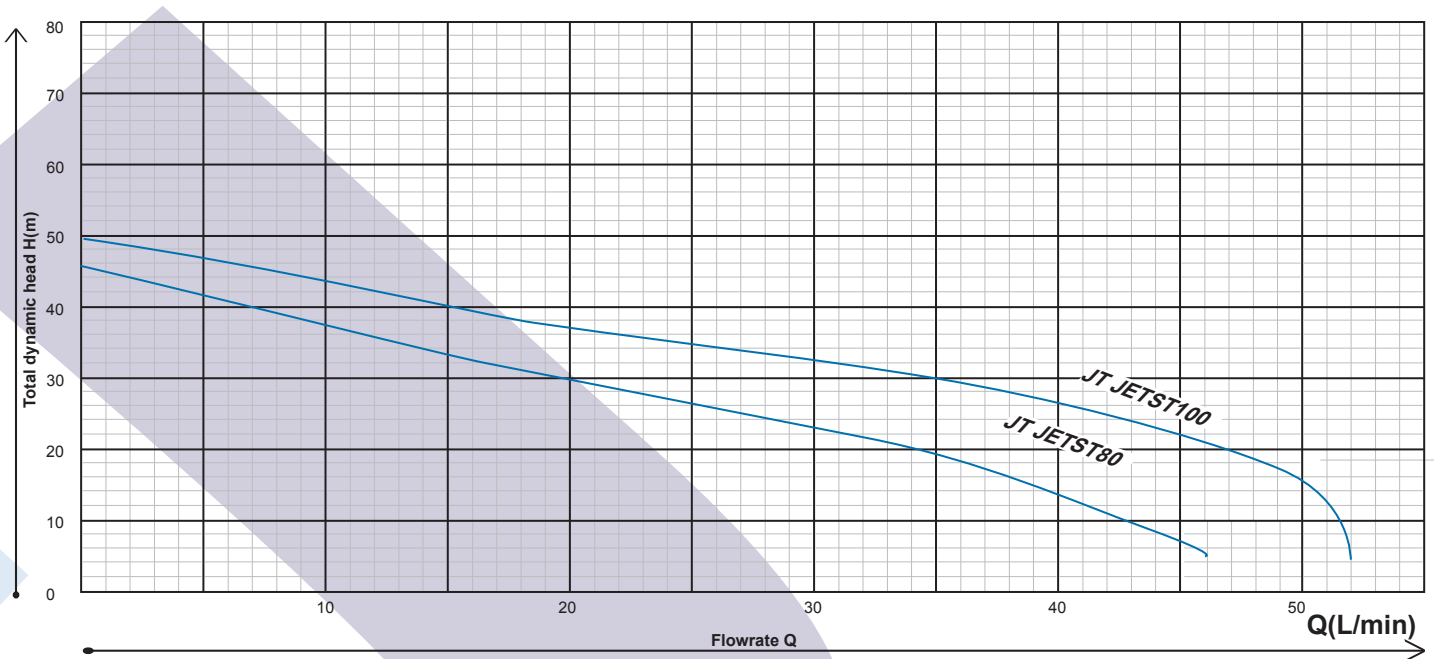
Motor

- 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)	Q (l/min)								Weight Kg	
								0	10	15	20	30	35	42	46		52
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

Centrifugal Pumps

Operating Conditions

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

Pump

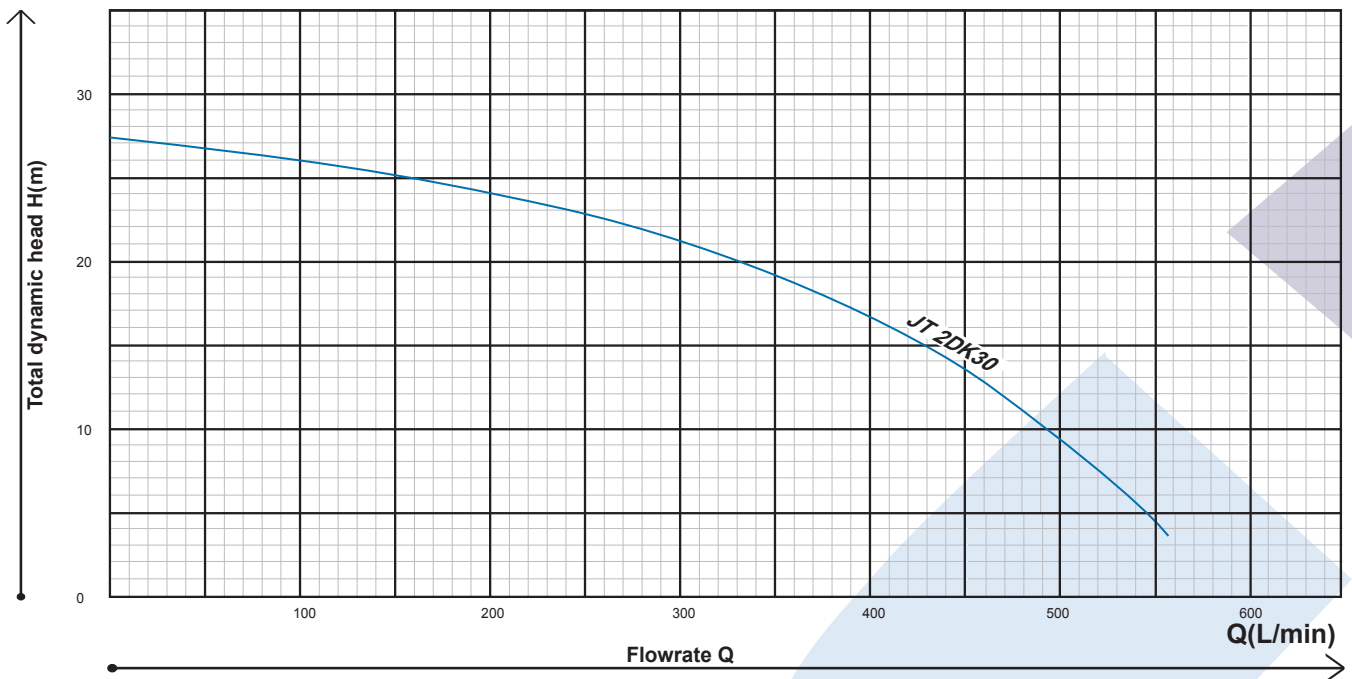
- Pump Body: Cast Iron
- Impeller: Brass
- Mechanical Seal: Ceramic Steatite/
Metalized Carbon

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"1/2"	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

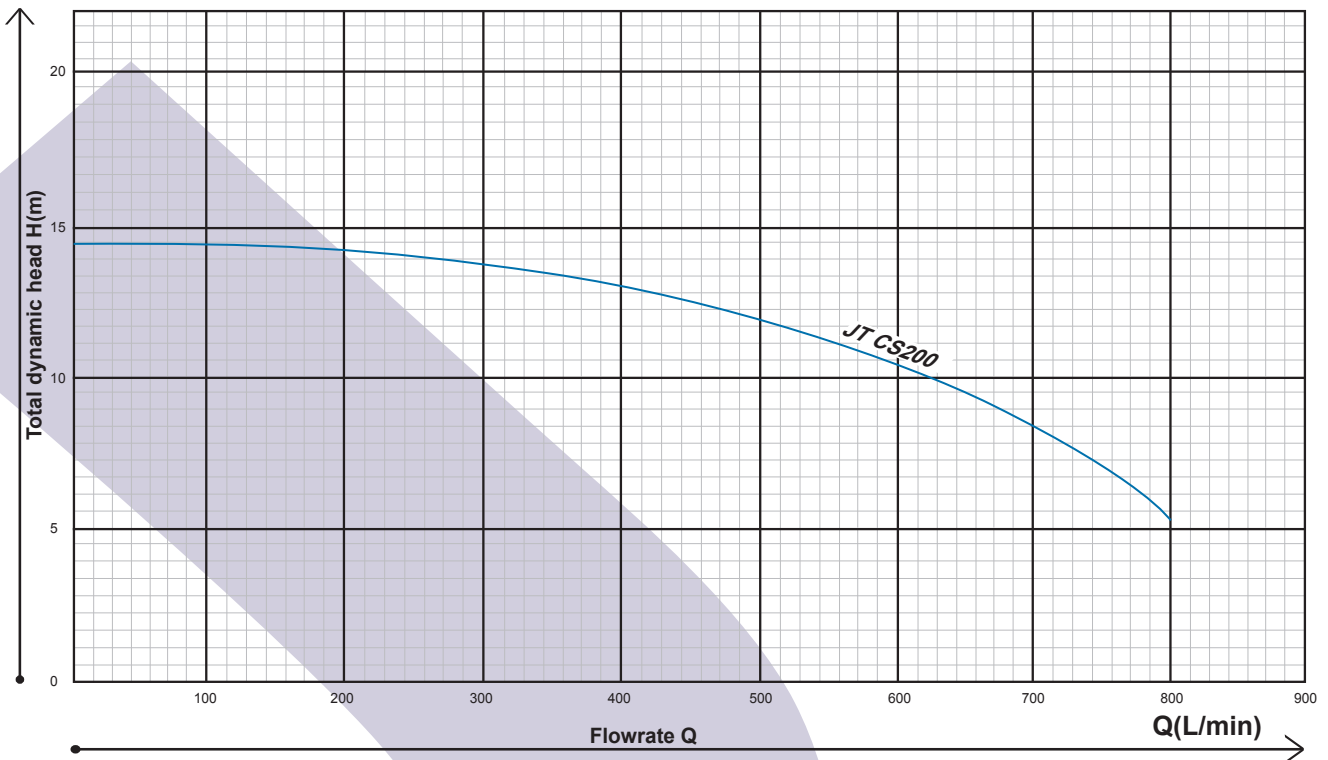
Motor

- 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)	Q (l/min)									Weight Kg
								0	100	200	300	400	500	600	700	800	
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

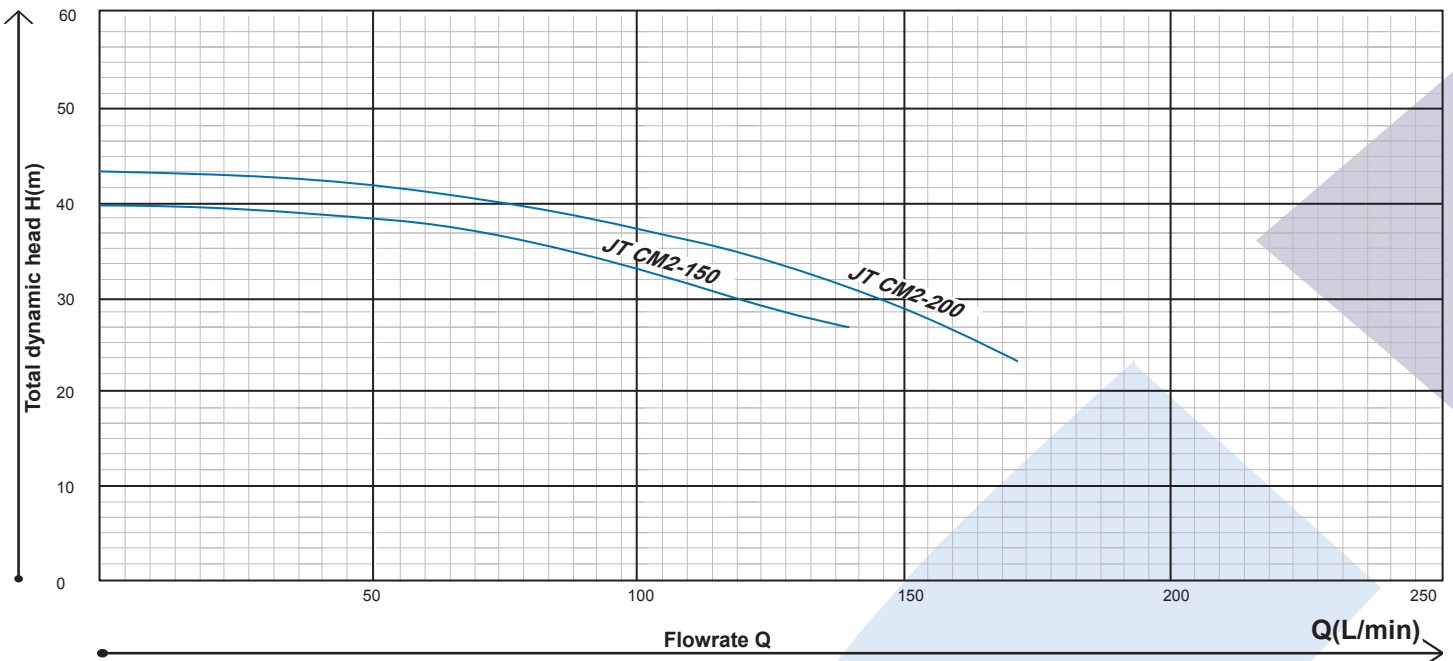
Motor

- 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)										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

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

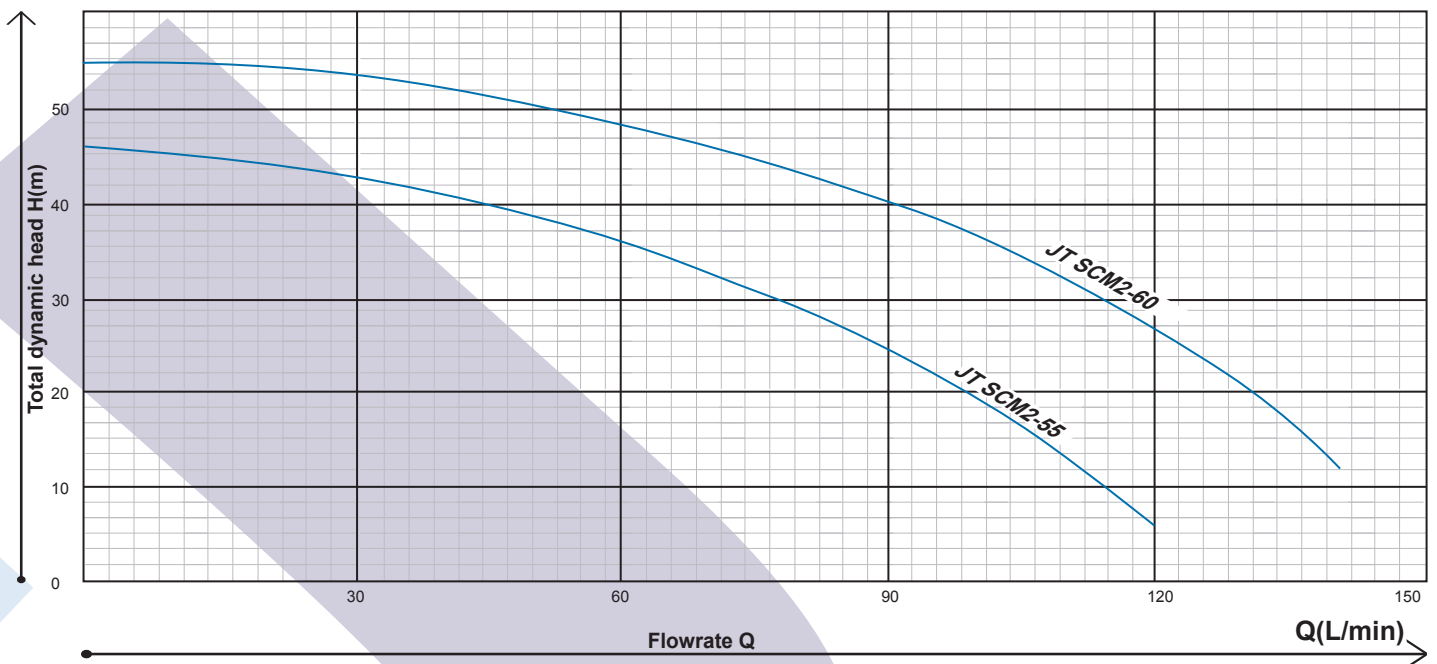
Motor

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



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: 4.5m³/h - 240m³/h (50HZ)
- Head H range: 10m – 92.5m • Operating speed: 2900RPM (50Hz)

Construction Features

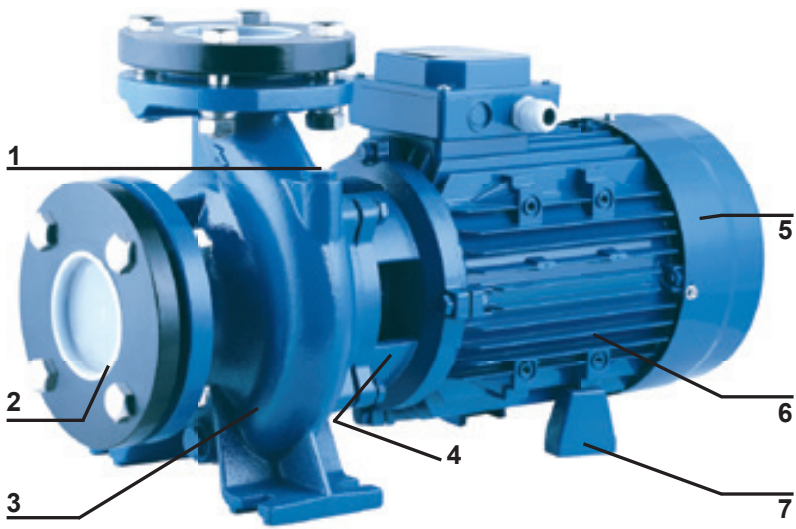
- Main dimensions: Apply to EN733 (DIN24255) standard and back pull out type
- Casing structure: End suction, center radial discharge
- Flange pressure rate: ISO7005.2 PN1.6MPa
- Shaft seal: Single mechanical seal (Graphite / Silicon carbide / Ceramic / NBR / FPM / SS304 / SS316) According to Standard 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) • 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

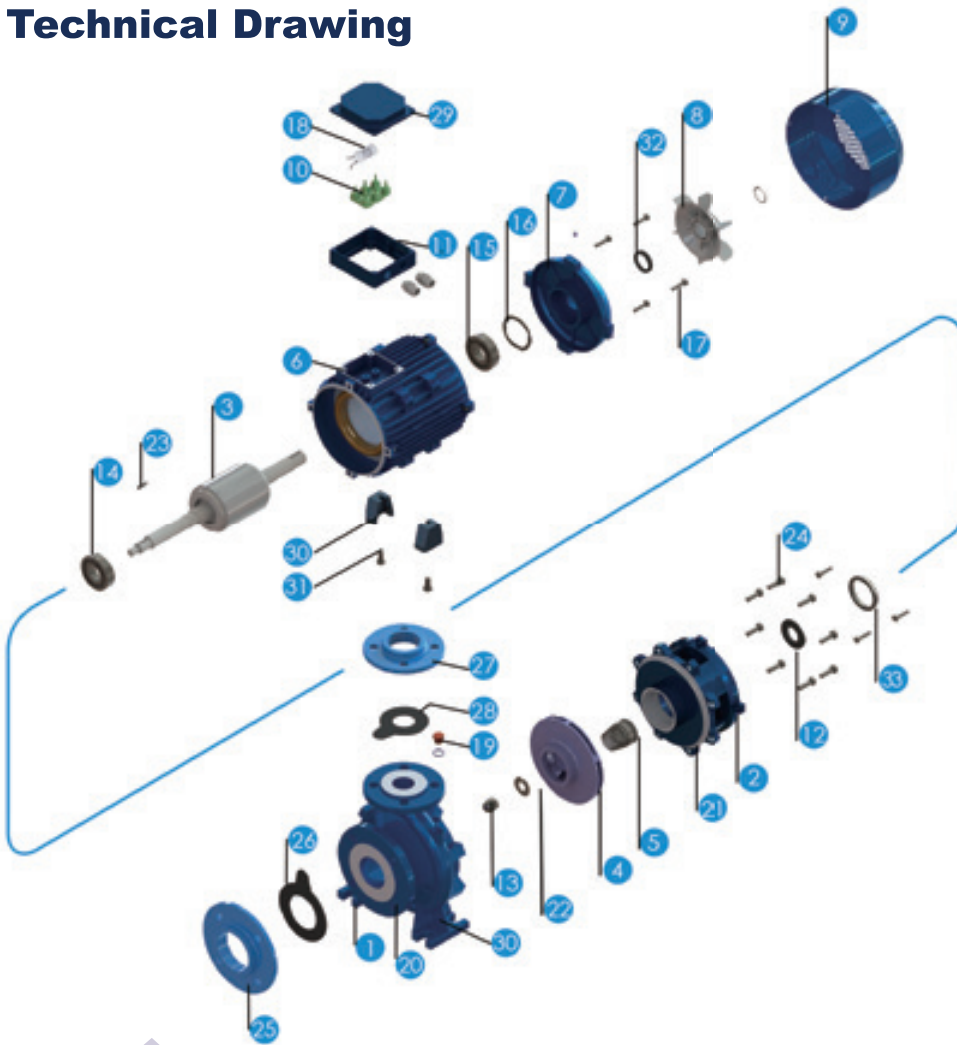
Inlet and Outlet sizes

Type	Suc Size (mm)	Dis Size (mm)
CM32-160 / 200 / 250	DN50	DN32
CM40-125 / 200 / 250	DN65	DN40
CM50-125 / 160 / 200 / 250	DN54	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

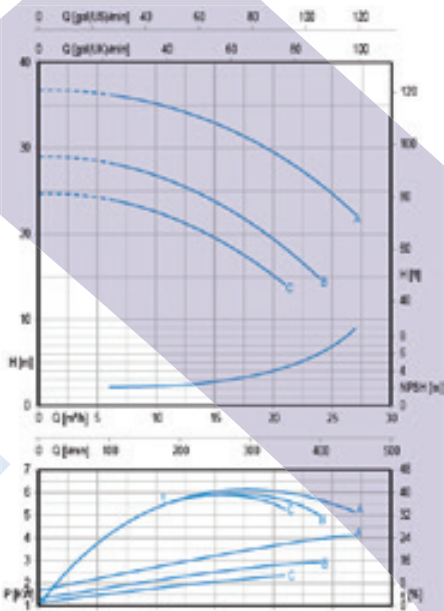


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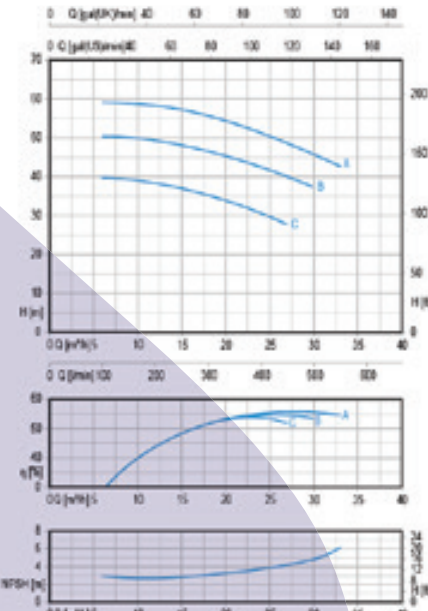
- 1 Pump body
- 2 Motor bracket
- 3 Shaft and rotor 3 phase
- 4 Cast iron impeller / Bronz impeller
- 5 Mechanical sea
- 6 Motor case and winding 3 phase
- 7 Motor cover
- 8 Fan
- 9 Fan cover
- 10 Terminal box 3 phase / terminal box 1 phase
- 11 Terminal box cover
- 12 Splash guard
- 13 Impeller stop 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

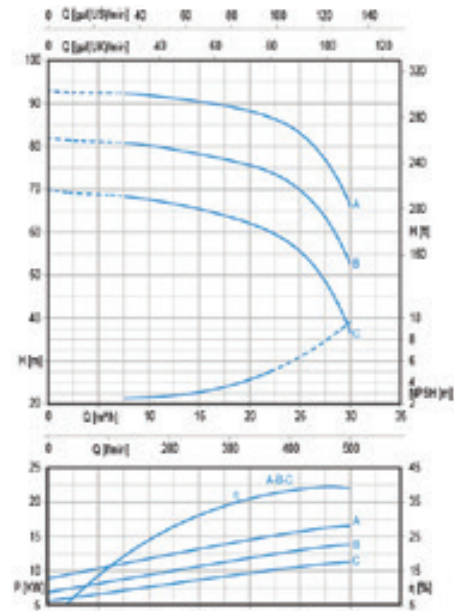
CM32-160



CM32-200



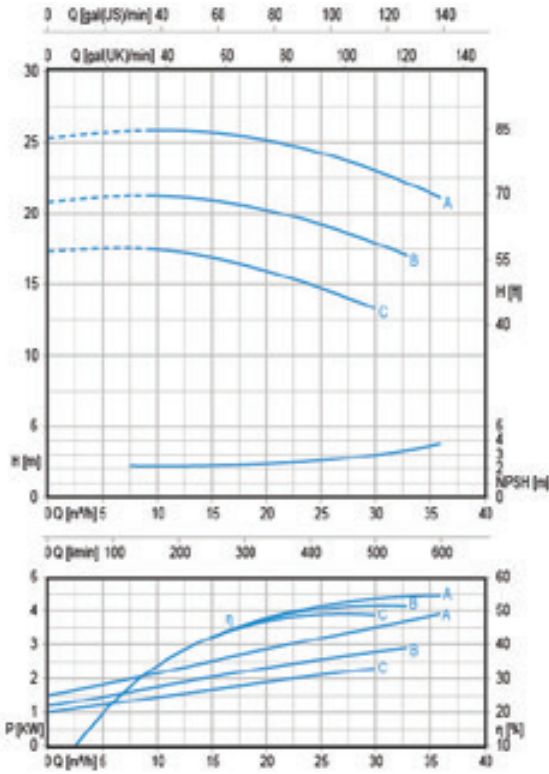
CM32-250



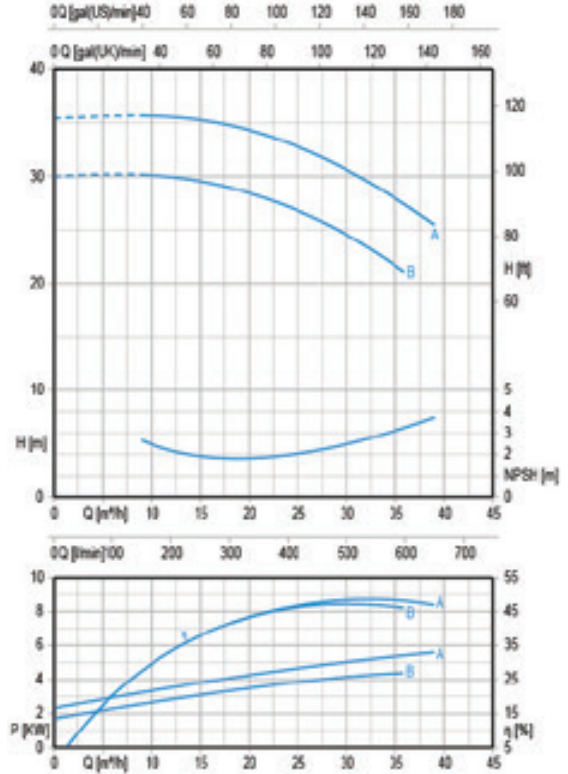
Type	P2 nom.		P1 max	I	Q (m³/h - l/min)															
	HP	KW			0	4,5	6	7,5	9	12	15	18	21	24	27	30	33	36	156	168
			KW	3x400V 50 HZ	0	75	100	125	150	200	250	300	350	400	450	500	550	600	2600	2800
CM32-160C	2.0	1.5	2.3	4	24.7	24.4	24.1	23.6	23	21.5	19.6	17.2	14.1							
CM32-160B	3.0	2.2	2.9	5.2	29		28.5	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

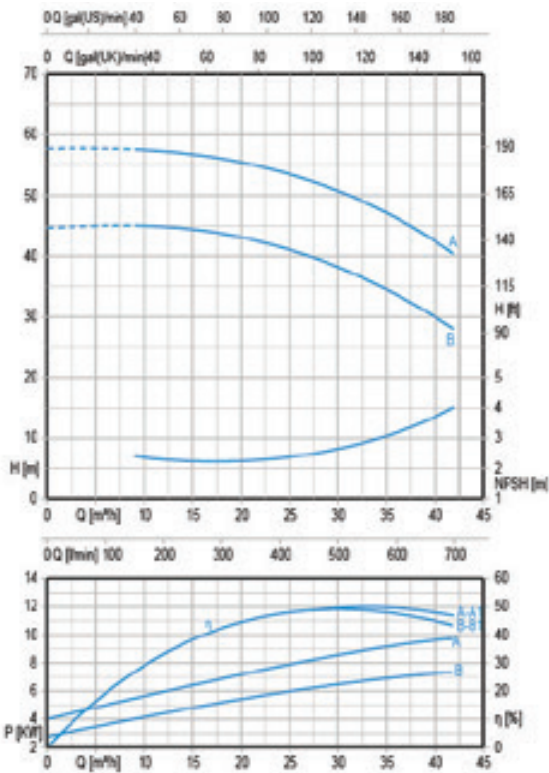
CM40-125



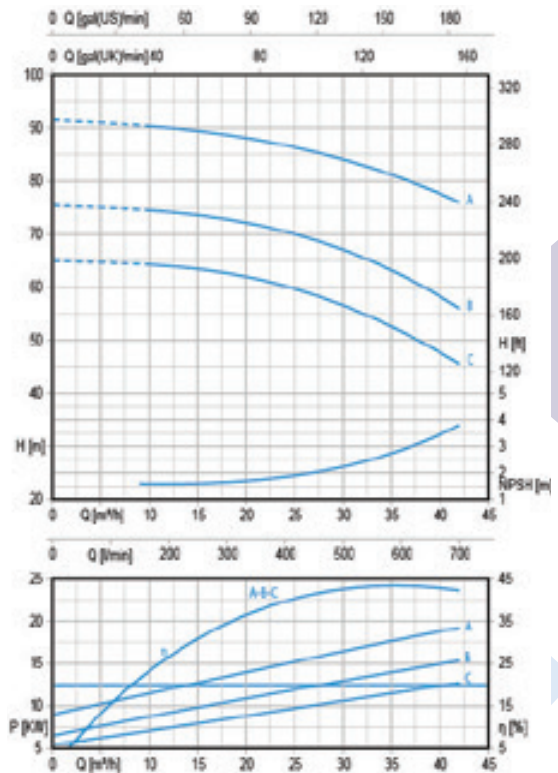
CM40-160



CM40-200



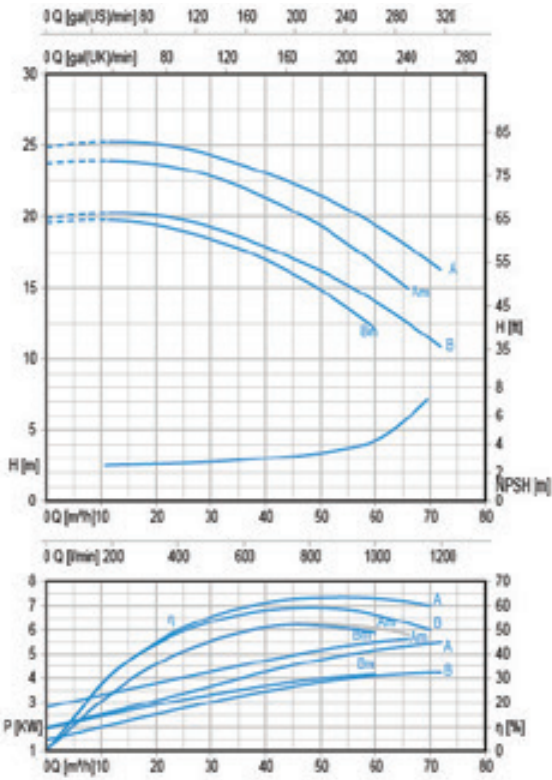
CM40-250



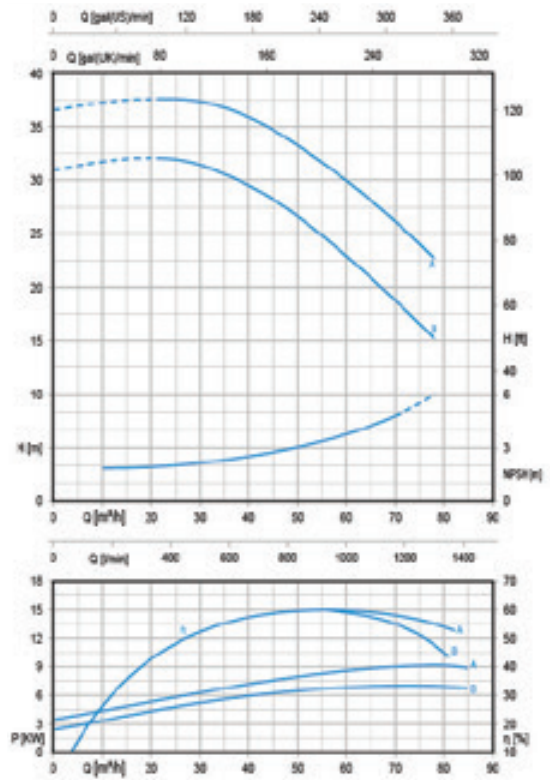
Type	P2 nom.		P1 max	I	Q (m ³ /h - l/min)																
	HP	KW			0	4,5	6	7,5	9	12	15	18	21	24	27	30	33	36	39	42	
			KW	3x400V 50HZ	0	75	100	125	150	200	250	300	350	400	450	500	550	600	650	700	
CM40-125C	2.0	1.5	2.3	4	17.4			17.5	17.5	17.3	16.9	16.4	15.8	15.1	14.2	13.3					
CM40-125B	3.0	2.2	2.9	5.2	20.7				21.3	21.2	21.0	20.6	20.1	19.4	18.7	17.9	17.0				
CM40-125A	4.0	3.0	4.1	7.1	25.2				25.8	25.8	25.6	25.4	24.9	24.4	23.7	22.9	22.0	21.1			
CM40-160B	4.0	3.0	4.4	7.4	30.0				30.1	30.0	29.6	29.0	28.2	27.1	25.9	24.4	22.8	21.0			
CM40-160A	5.5	4.0	5.7	9.9	35.4				35.6	35.5	35.3	35.0	34.2	33.2	32.0	30.6	29.0	27.3	25.4		
CM40-200B	7.5	5.5	7.4	12.7	44.7				44.9	44.8	44.6	44.0	42.9	41.6	40.0	38.1	36.1	33.6	30.8	27.9	
CM40-200A	10	7.5	9.8	16.5	57.7				57.7	57.5	57.1	56.3	55.4	54.1	52.5	50.5	48.5	45.9	43.3	40.3	
CM40-250C	12.5	9.2	12.6	21	65.0				64.3	63.9	63.3	62.6	61.5	60.2	58.8	56.9	54.5	51.6	48.5	45.5	
CM40-250B	15	11.0	14.4	24.2	75.5				74.6	74.2	73.5	72.7	71.7	70.4	69.0	67.2	65.0	62.5	59.5	56.0	
CM40-250A	20	15.0	19.0	32.0	91.5				90.4	89.9	89.3	88.5	87.5	86.6	85.5	84.0	82.5	80.5	78.5	76.0	

Performance Chart & Table

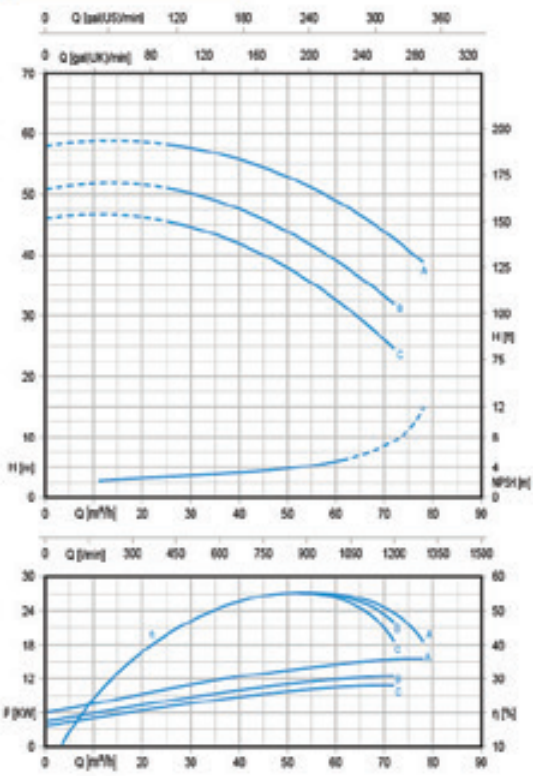
CM50-125



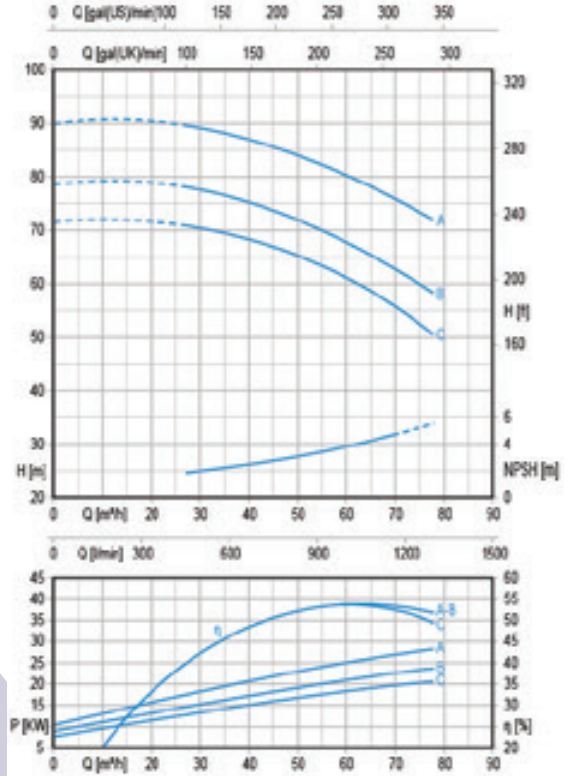
CM50-160



CM50-200



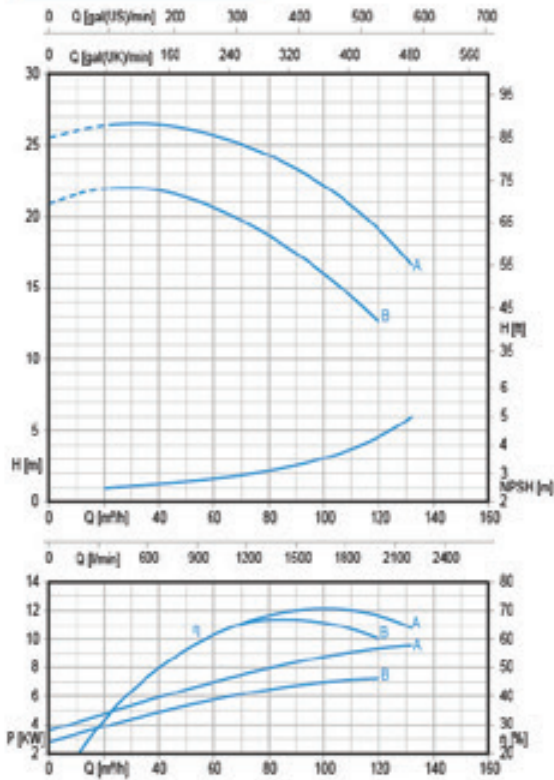
CM50-250



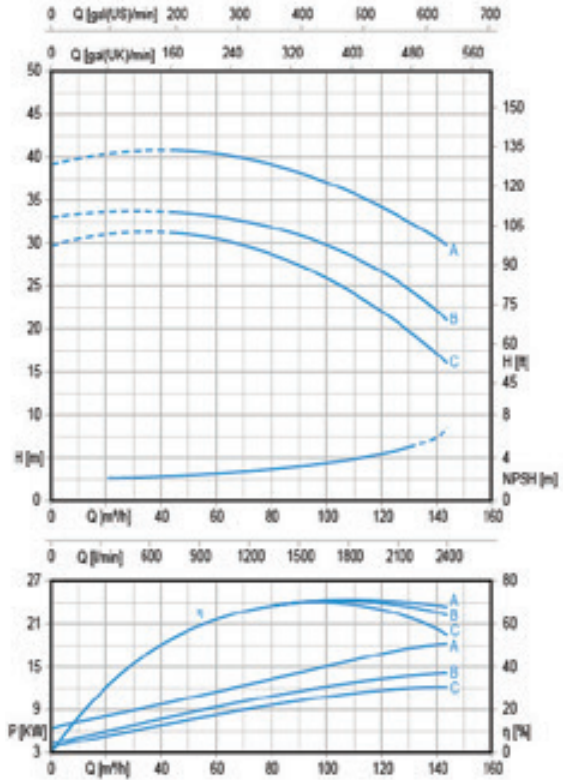
Type	P2 nom.		P1 max	I 3x400V 50 HZ	Q (m³/h - l/min)																	
	HP	KW			0	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	72	78
			H (m)																			
CM50-125B	4	3.0	4.2	7.1	19.8	20.2	20.2	20.1	20.0	19.8	19.5	19.3	18.8	18.5	18.0	17.6	16.5	15.3	14.0	12.5	10.8	
CM50-125A	5.5	4.0	5.5	9.6	24.8	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	
CM50-160B	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	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	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	88.8	88.3	87.7	86.9	86.1	84.5	82.7	80.5	78	75.2	71.7

Performance Chart & Table

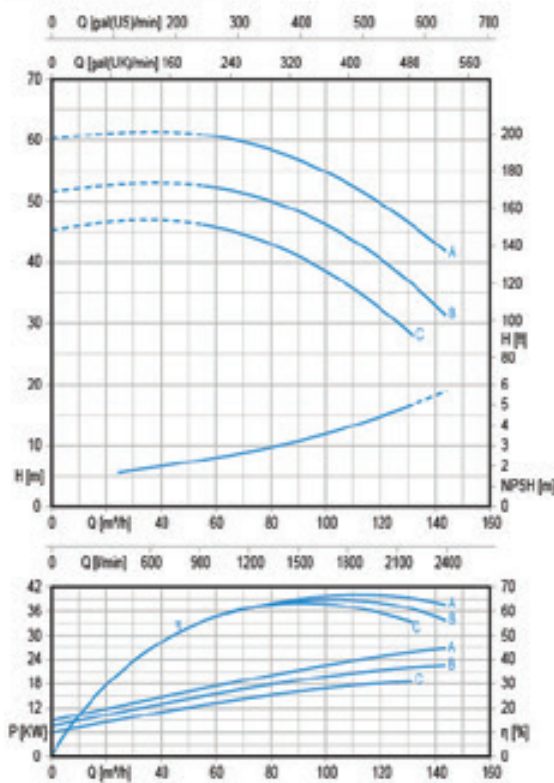
CM65-125



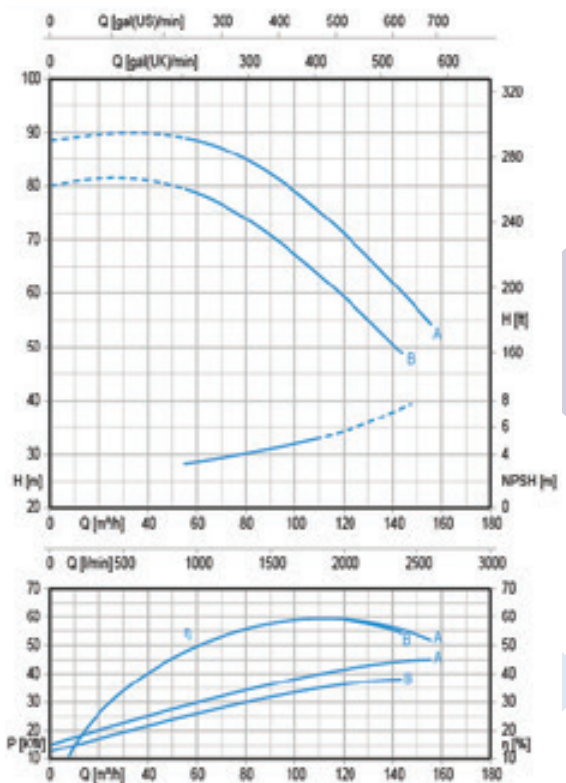
CM65-160



CM65-200



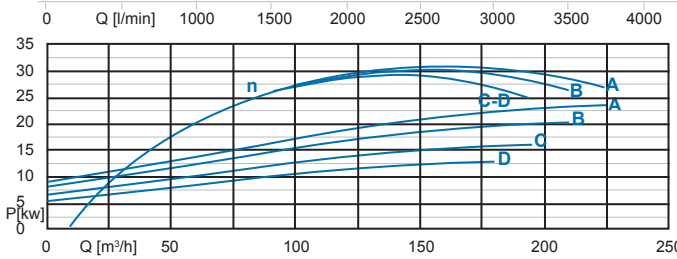
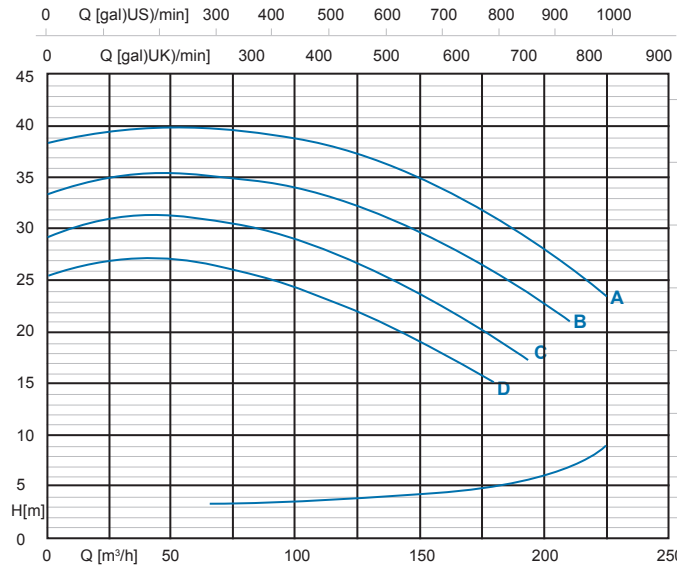
CM65-250



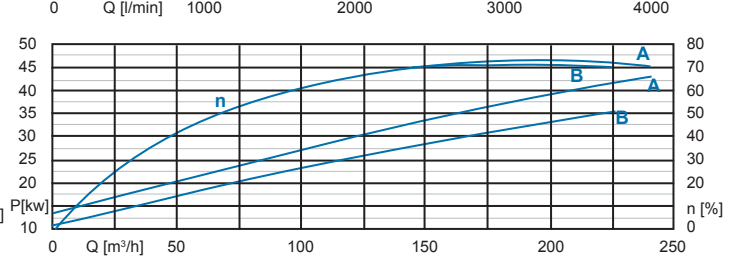
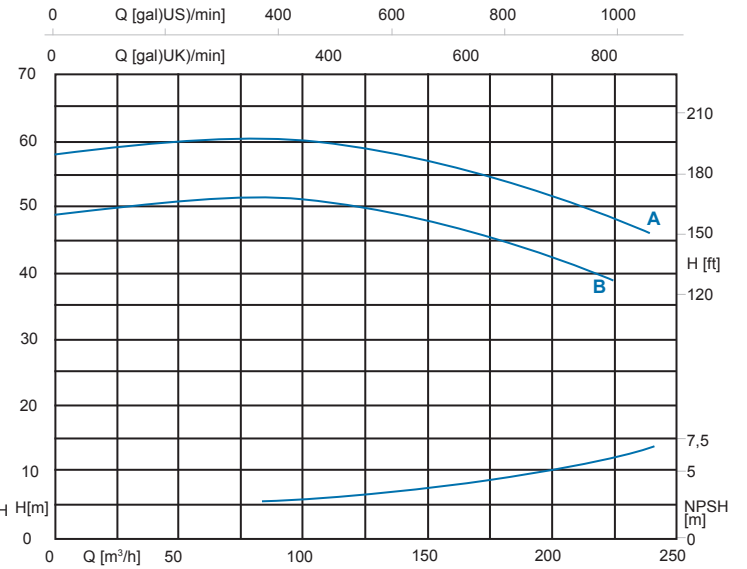
Type	P2 nom.		P1 max	I 3x400V 50 HZ	Q (m³/h - l/min)																				
	HP	KW			0	30	33	36	39	42	48	54	60	66	72	78	84	96	108	120	132	144	156		
					0	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600		
H (m)																									
CM65-125B	7.5	5.5	7.2	12.6	20.9	22.0	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

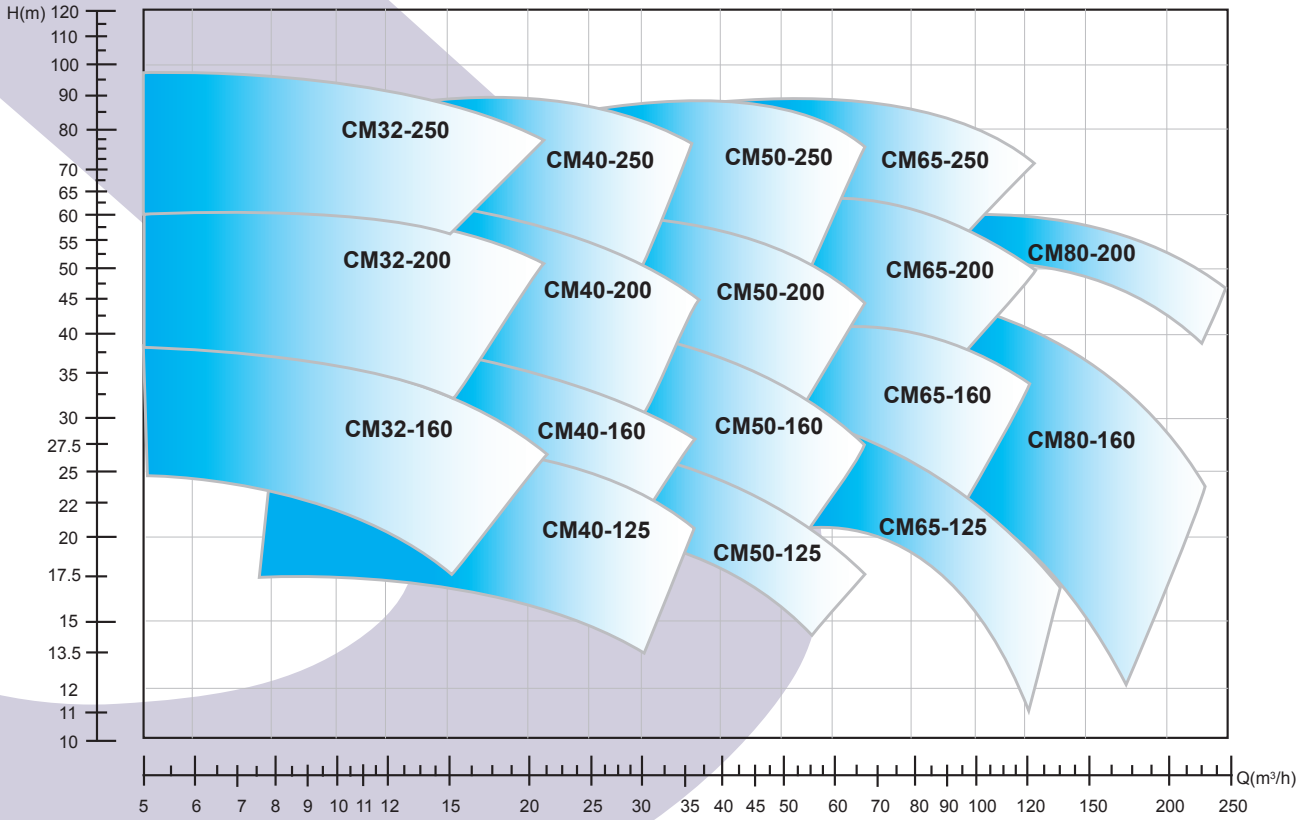


CM80-200



Type	P2 nom.		P1 max KW	I 3x400V 50 HZ	Q (m³/h - l/min)																			
	HP	KW			0	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225	240			
					H (m)																			
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

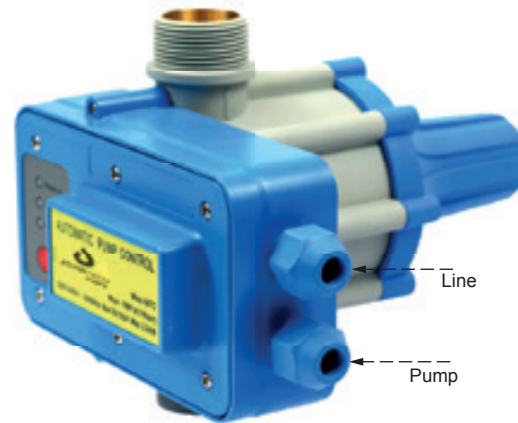
Automatic Pump Control PS01

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^o
Protection Degree: IP65
Connection: 1" Male
Starting pressure: 1.5 - 3 Bar adjustable
Maximum pressure: 10 Bar



Domestic Drainage Pumps

Operating Conditions

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

Pump

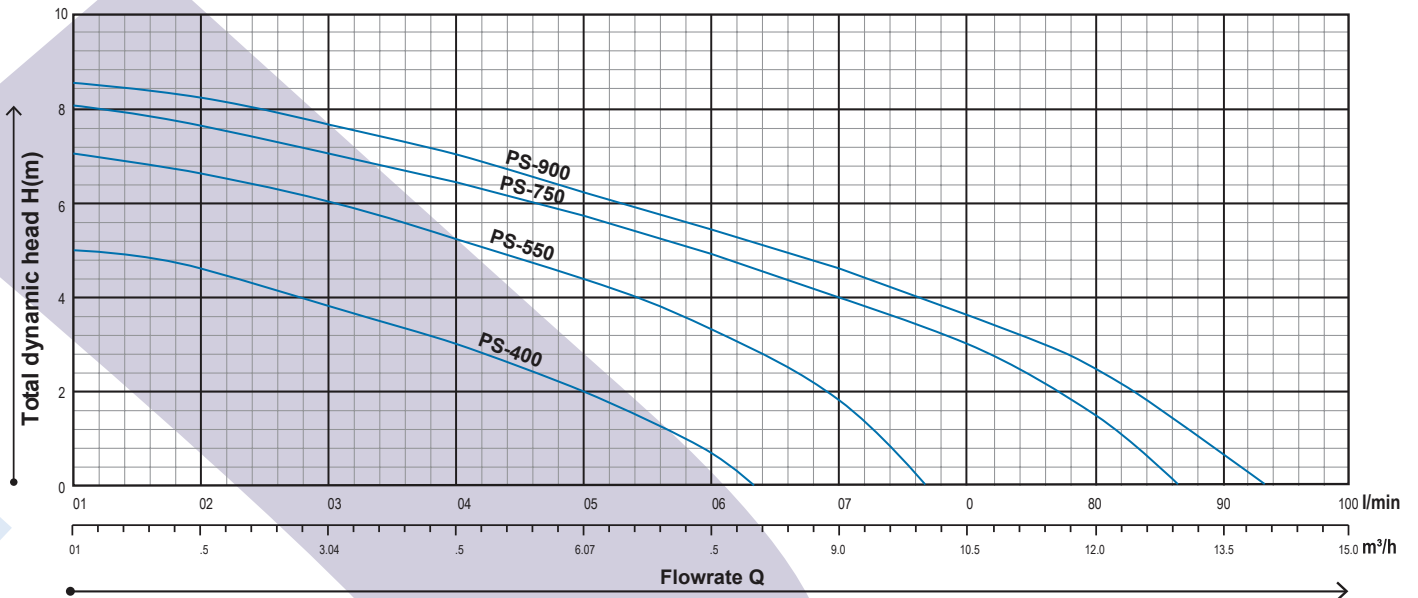
- Max. immersion depth: 7 m
- Max. liquid temperature: 40 °C
- Liquid pH value: 4-10
- Max. Particle size: 30mm

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

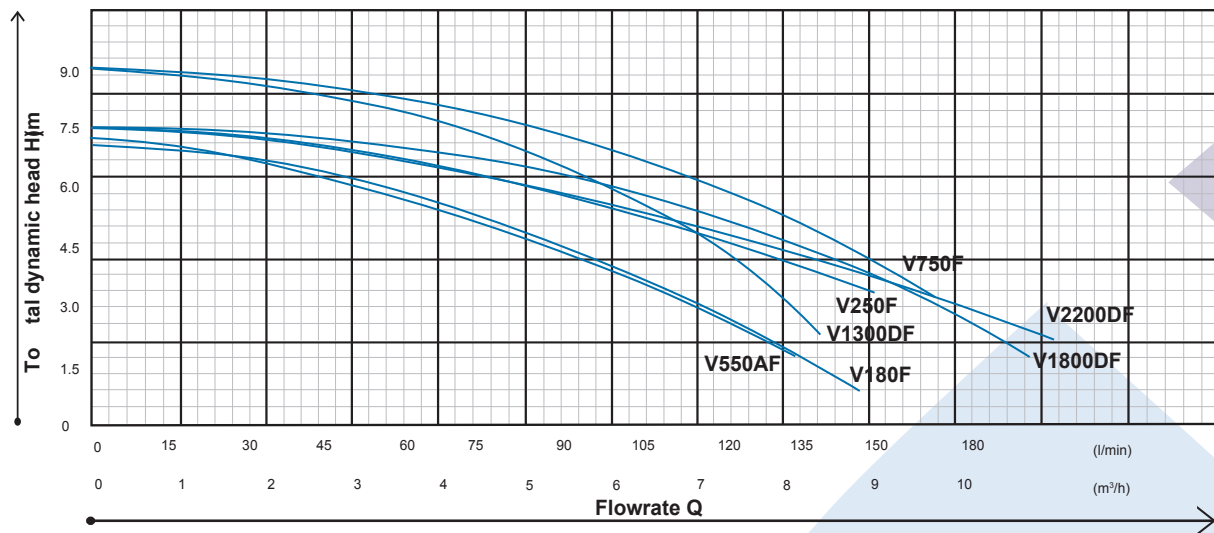
- Max. immersion depth: 5 m
- Max. liquid temperature: 40 °C
- Liquid pH value: 4-10
- Max. liquids density 1.2 x 10kg/m

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/m³.
- 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

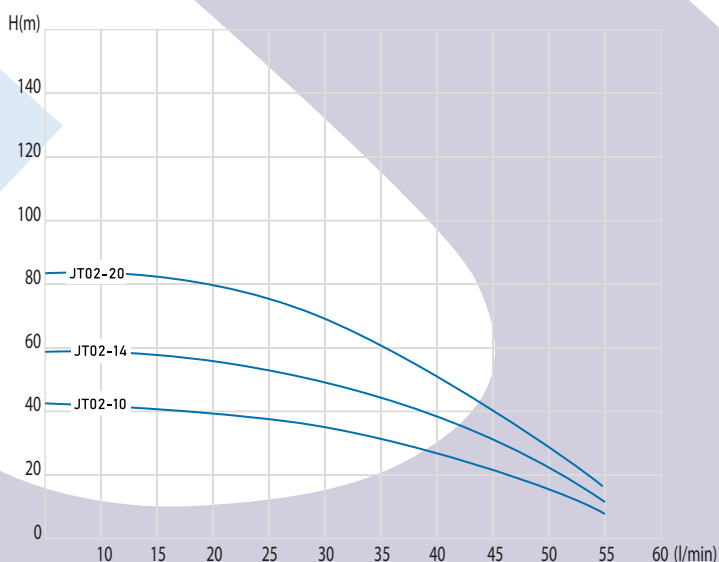
- Pump Body: Stainless steel
- Motor Bracket: Stainless Steel
- Pump Shaft & motor shaft: Stainless steel.
- Mechanical Seal: Graphite-Silicon carbide.
- Impeller: POM
- Coupling and outlet: Brass

Included in the pack:

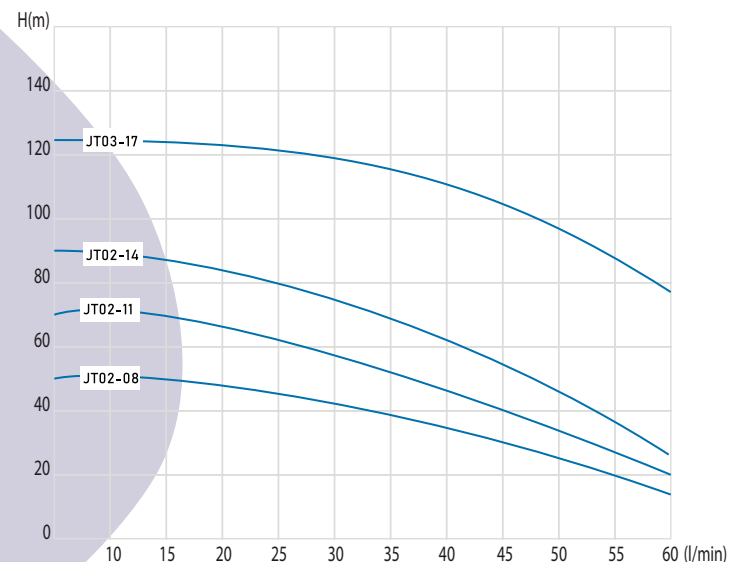
Pump, Oil Filled Motor, Control Box, 1 x Base plate, 3 x Compression Fittings, Rope, Submersible cable



3" Performance Curves



4" Performance Curves



3" & 4" Pump Sets

Application

- Pumping clean water with sand content less than 150g/m³.
- 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

	<u>Pump</u>	<u>Cable</u>	<u>Power Range</u>
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

	<u>Pump</u>	<u>Cable</u>	<u>Power Range</u>
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.

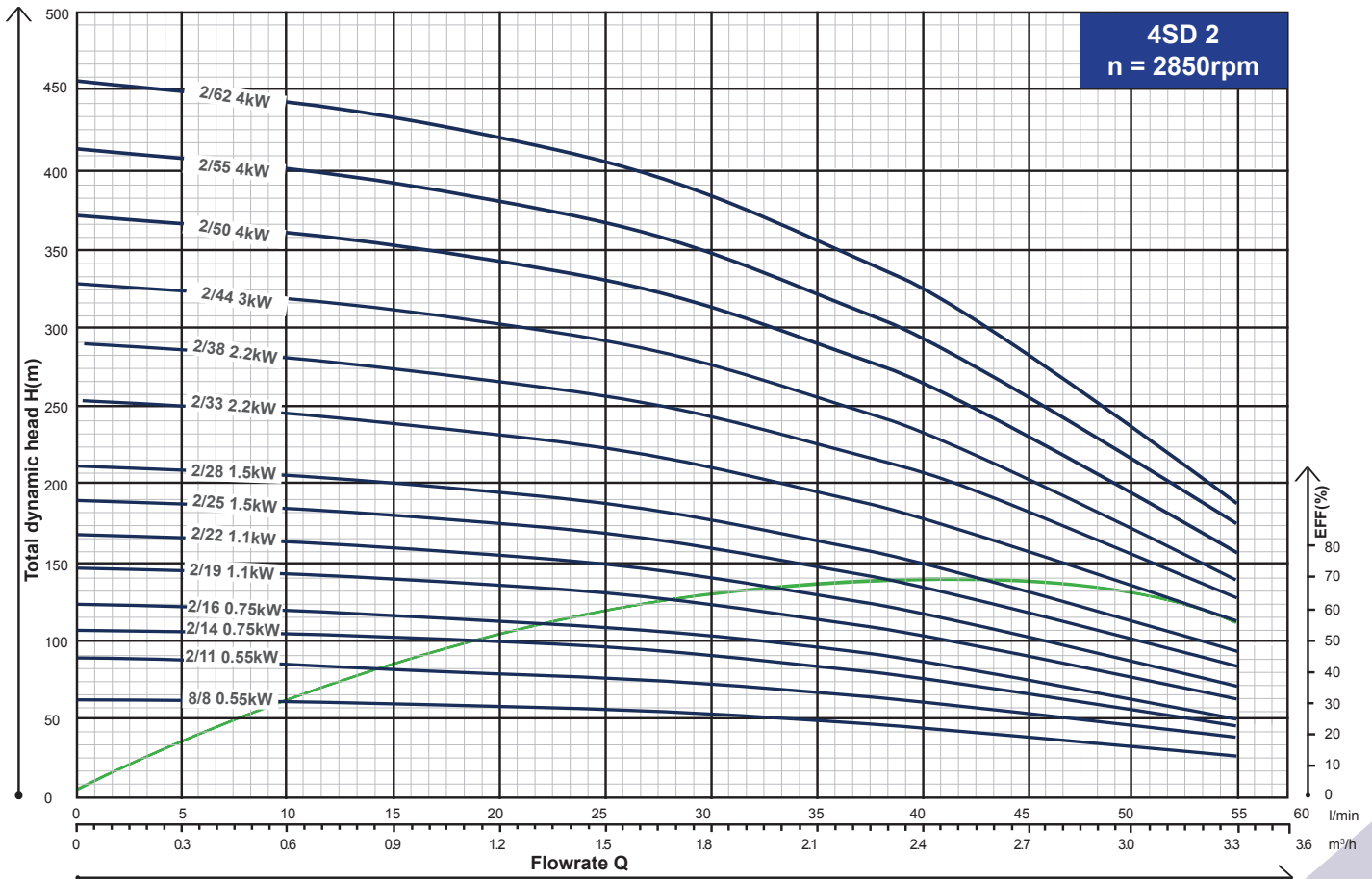
Pump Range

- Max flow: 12m³/h
- Max head: 454m



4SD 2 Range

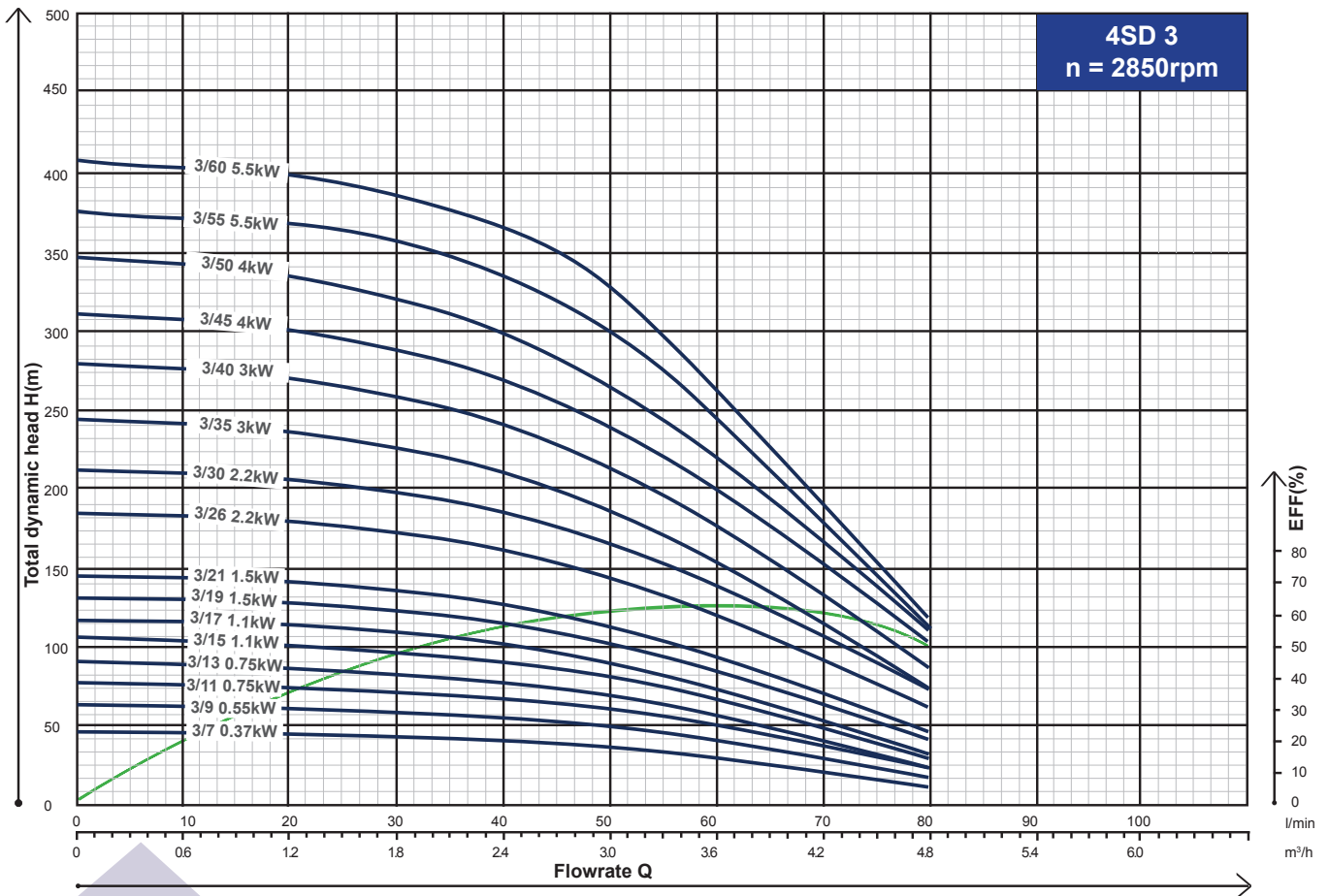
Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	m³/h	Flowrate (m³/h)													
	kW	HP			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

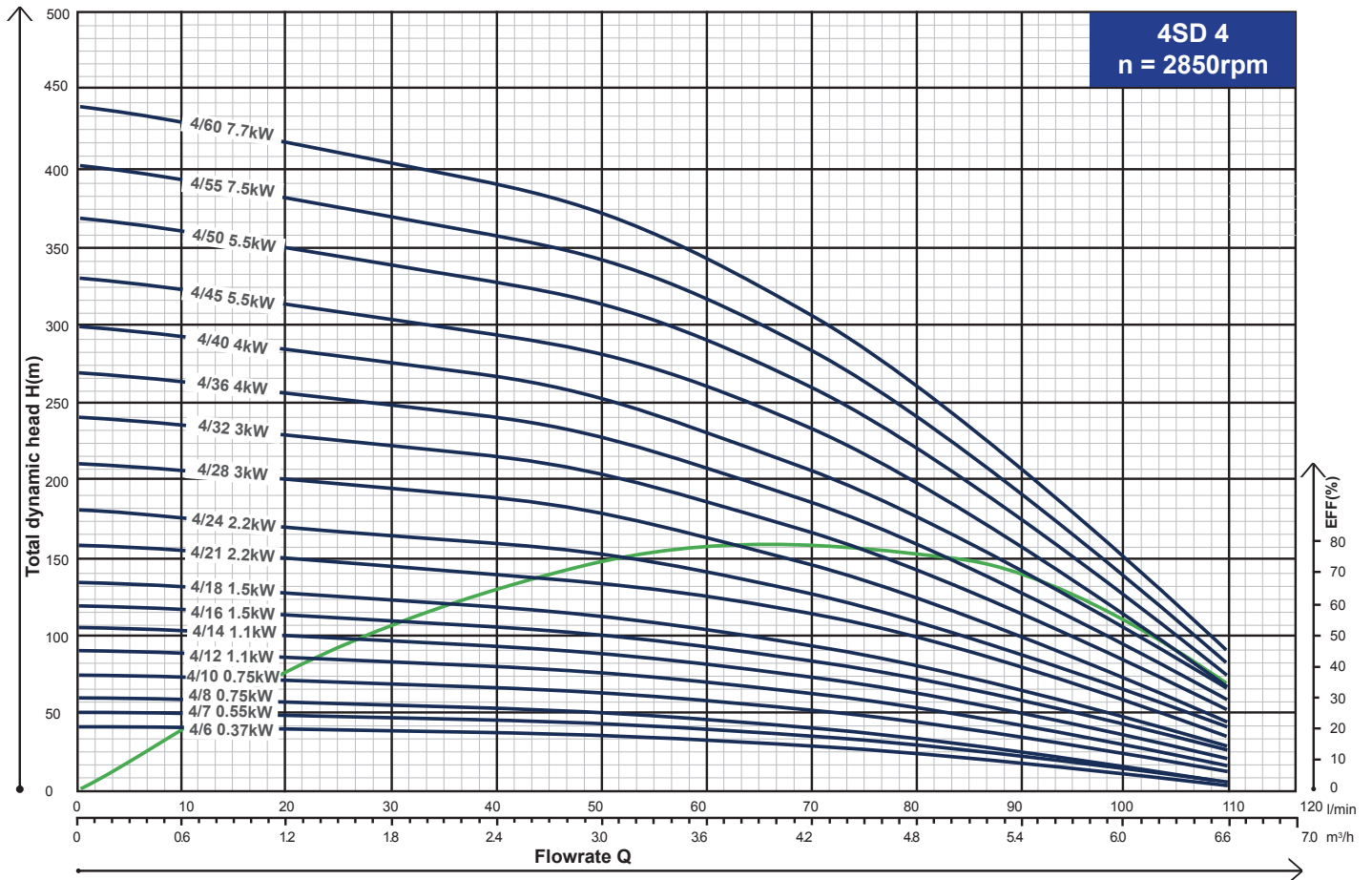
Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	HEAD (M)	Flowrate (m³/h)								
	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		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	1.1			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

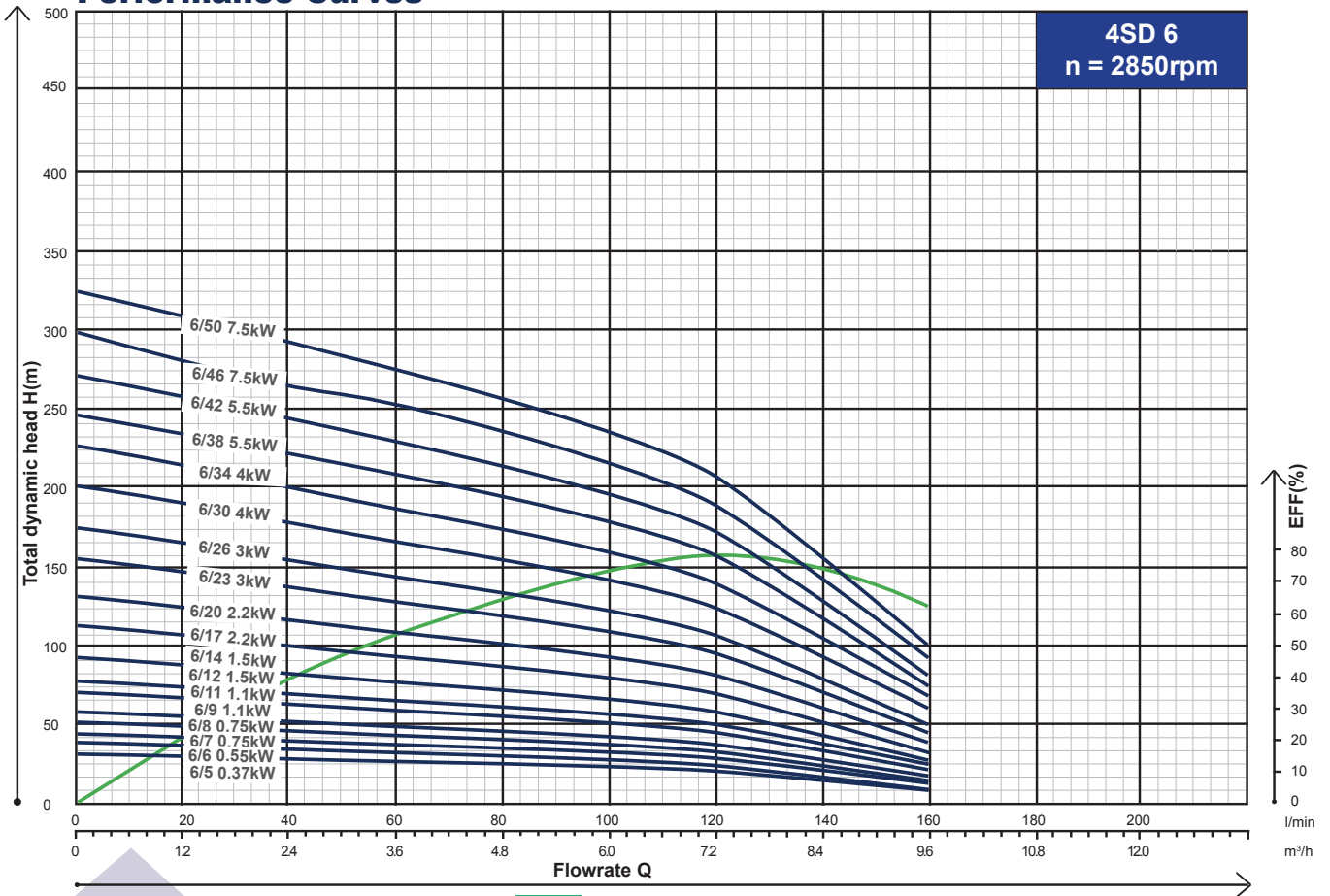
Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	Flowrate Q																									
	kW	HP		m ³ /h		0.6		1.2		1.8		2.4		3.0		3.6		4.2		4.8		5.4		6.0					
				l/min		0	10	20	30	40	50	60	70	80	90	100	0	10	20	30	40	50	60	70	80	90	100		
4SD 4/6	0.37	0.5	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

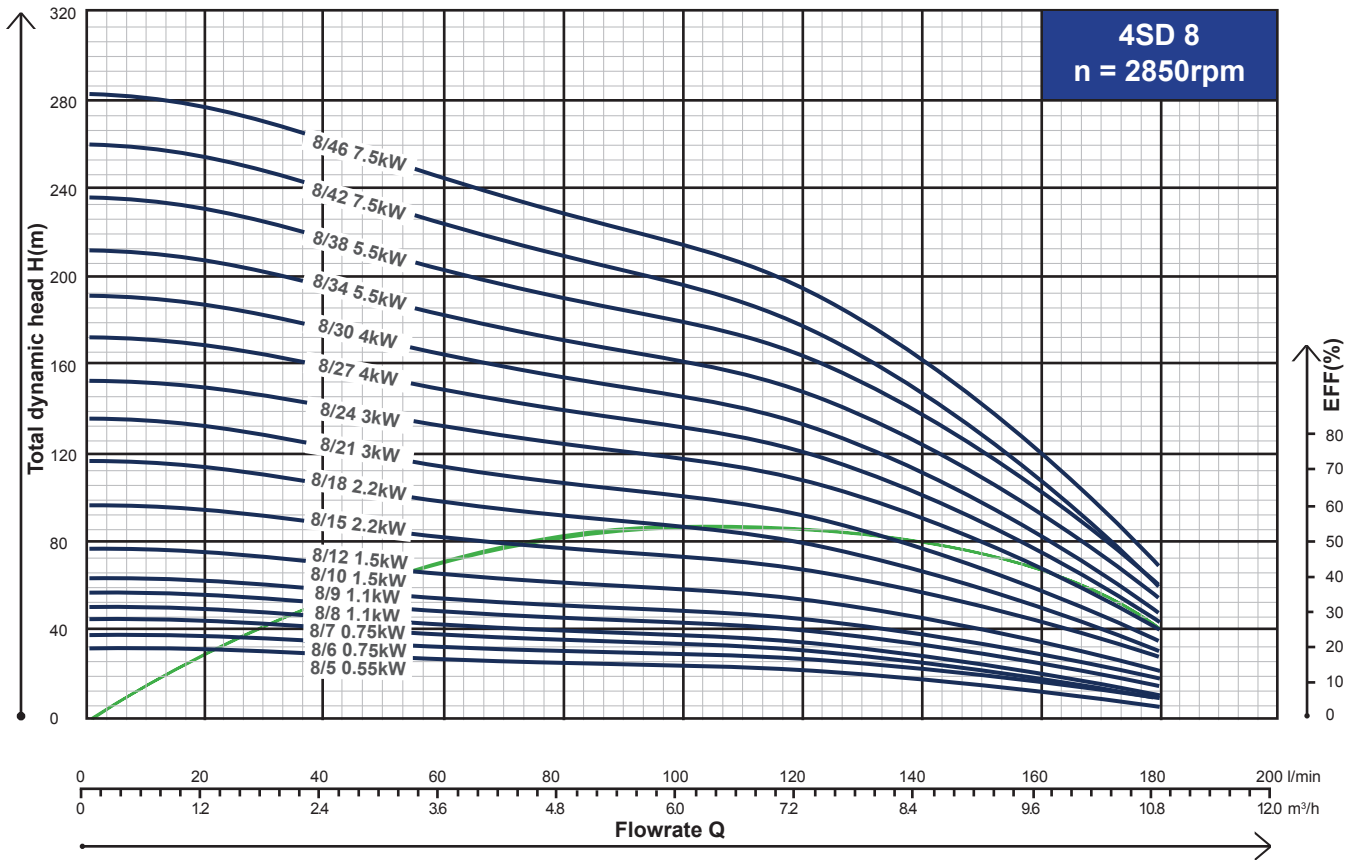
Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	m ³ /h	Flowrate Q							
	kW	HP			0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
				l/min	0	20	40	60	80	100	120	140
4SD 6/5	0.37	0.5	1 1/2" 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

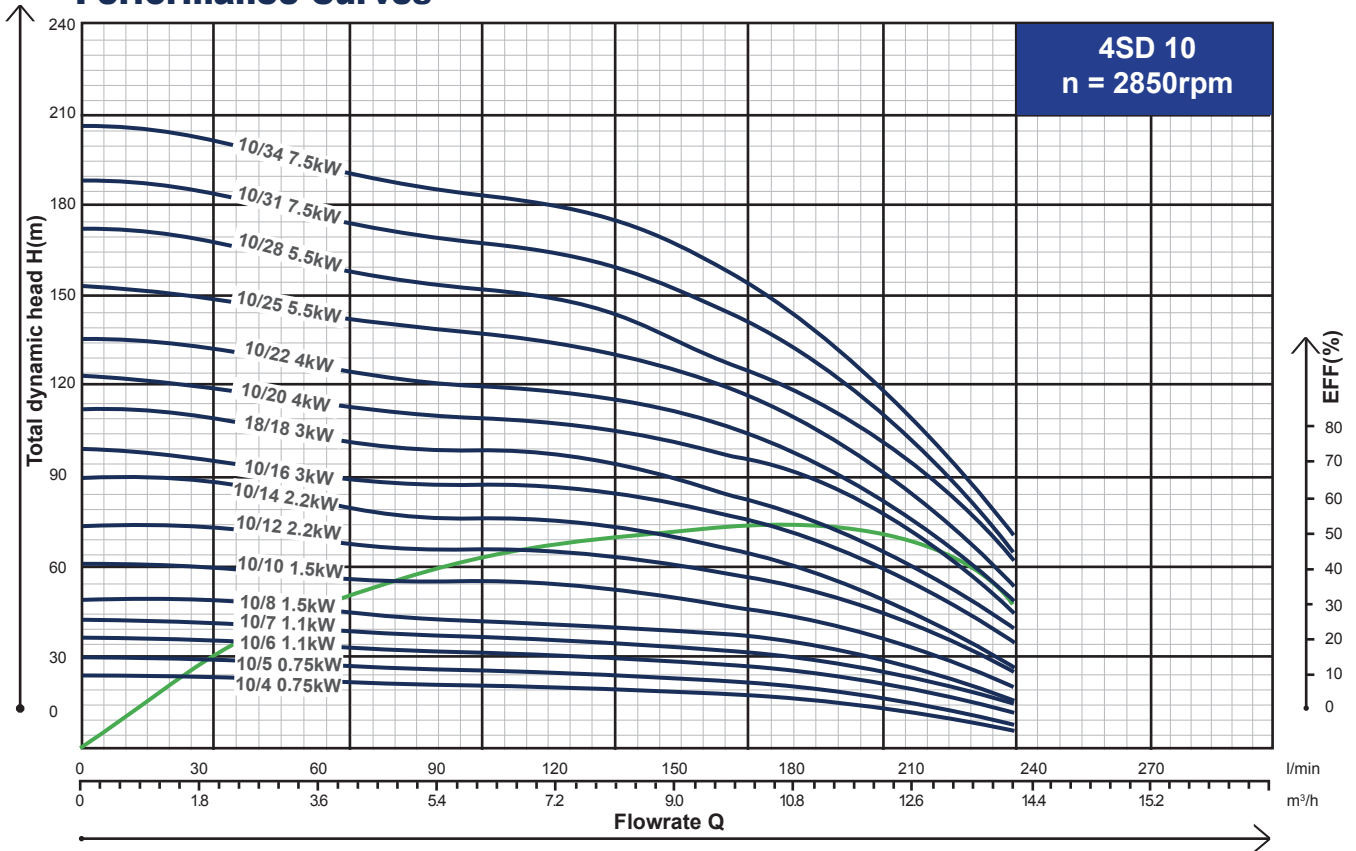
Performance Curves



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

4SD 10 Range

Performance Curves



Model	Power		Outlet Size (DN)	Flowrate Q								
	kW	HP		m ³ /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
PM45	29 X 17.5 X 20cm	6.3kg
PM45 + PS01	30 X 25 X 36cm	8.3kg
PM80	34 X 19 X 21cm	9.2kg
PM80 + PS01	30 X 25 X 36cm	11.2kg
CPM130	30.5 X 18.5 X 24.5cm	9.5kg
CPM130 + PS01	30 X 26 X 42cm	11.5kg
CPM146	34 X 21.5 X 27cm	11.4kg
CPM146 + PS01	35 X 29 X 45cm	13.4kg
CPM158	34 X 21.5 X 27cm	12.9kg
CPM158 + PS01	35 X 29 X 45cm	14.9kg
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

Pump	Box Size	Weight
JETJM-80	40 X 22.5 X 23.5cm	15.3kg
JETJM-80 + PS01	48 X 30 X 50cm	17.3kg
JETJM-100	40 X 22.5 X 23.5cm	17.3kg
JETJM-100 + PS01	48 X 30 X 50cm	17.3kg
JETST-80	48 X 22 X 23.5cm	9.0kg
JETST-80 + PS01	50 X 28 X 38cm	11.5kg
JETST-100	50 X 30 X 30cm	12.5kg
JETST-100 + PS01	50 X 28 X 38cm	14kg
SCM2-55	42 X 23 X 28cm	25kg
SCM2-55 + PS01A	47 X 35 X 60cm	27kg

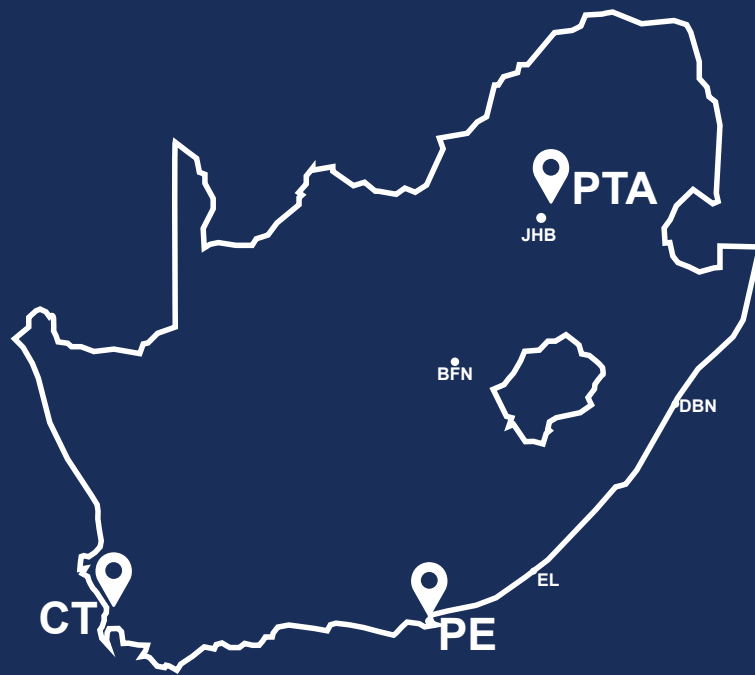
3" Packs

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



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