

Series JUMBO[®] S24 to S84

Solid handling submersible sludge pumps

- **Cost-effective pumping**
– compact design
with high efficiency
and low maintenance
requirements
- **Ease of doing business**
– portable pumps with
minimal accessory
requirement
- **Available for immediate
use**
- **Solid handling ability**
– wear resistant
vortex impeller and
pump casing
- **Floodproof**
– reliable product range
for cost-effective
solutions



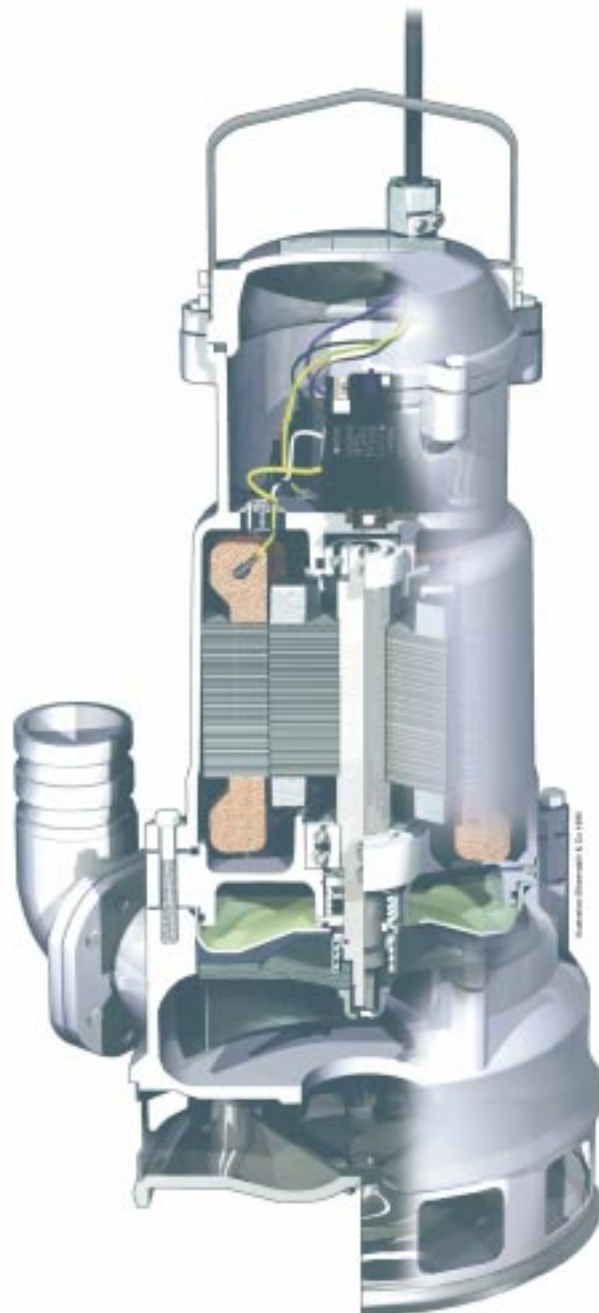
JUMBO® S24 to S84 - Solid handling pumps with high quality in every detail

- **Robust hydraulic parts** for tough conditions combined with **light weight motor components** for easy handling.
- Effective **efficient modular system** of construction for low inventory costs and easy service.
- **Plug-in-start** for immediate installation using contactor unit and thermal sensors built in the motor.
- Reliable performance from **vortex impeller** handling up to 2" solids.

Motor housing and top cover in light weight aluminium.

Pump casing with DN flanged outlet - discharge elbow for portable use or ABS automatic coupling system.

Vortex impeller design with excellent solid-handling ability. Impellers interchangeable between pumps. Impeller trimming is possible for special applications.






Built-in contactor with coil in series with thermal sensors.

Rigid stainless steel shaft supported on maintenance free ball bearings.

Two mechanical shaft seals are lubricated in environmentally friendly oil from the oil chamber. Upper seal has stainless against carbon. Lower seal has durable silicon carbide faces.

Impeller and pump casing of wear resistant ductile cast iron.

This picture shows JUMBO S84

Pump type	Motor power*		Speed rpm	Phase	Voltage, current** and (cable type***)			Weight kg	Discharge elbow		
	P ₁ kW	P ₂ kW			230V A	400V A	500V A				
JUMBO S24 W(KS)	2.1	1,5	2750	1	9,8 (1)			34	• 3"	□ 3"	□ 3"/B
JUMBO S24 D(KS)	2.4	2,0	2850	3	7,3 (2)	4,2 (2)	4,0 (2)	33	• 3"	□ 3"	□ 3"/B
JUMBO S44 D(KS)	3.9	3.3	2850	3	12 (3)	6,8 (3)	5,2 (3)	40	• 3"	□ 3"	□ 3"/B
JUMBO S54 D	6.2	5.2	2850	3	20 (3)	11 (3)	8,4 (3)	62	• 4"	□ 4"	□ 4"/A
JUMBO S84 D	9.4	8,0	2850	3	28 (4)	16 (3)	12,2 (3)	74	• 4"	□ 4"	□ 4"/A

*P₁ = Power taken from mains
P₂ = Power at motor shaft

**Overload relay setting for star delta, divide rated current by 1.73.

*** Cable Type:
(1) H07RN-F3x1,5mm²
(2) H07RN-F4x1,5mm²
(3) H07RN-F4x2,5mm²
(4) H07RN-F4x4mm²

Standard pump supplied with:

- 20m power cable with CEE plug
- Maximum impeller diameter ****
- Pump connected for DOL start
- Discharge outlet, hose

Options:

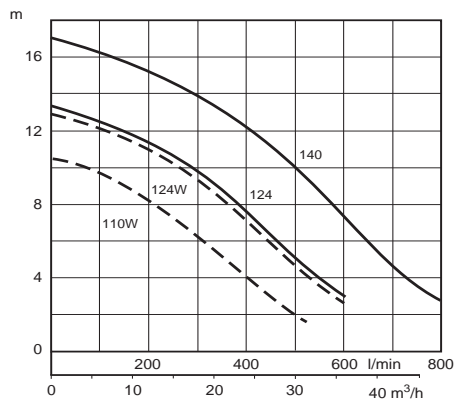
- Starter boxes
- KS version with built in float switch on JUMBO S24 & S44
- Minimum impeller diameter
- Pump connected for Star/Delta start (10x2,5mm²)
- Various sizes of outlets

**** Requires half motor submerged for continuous duty

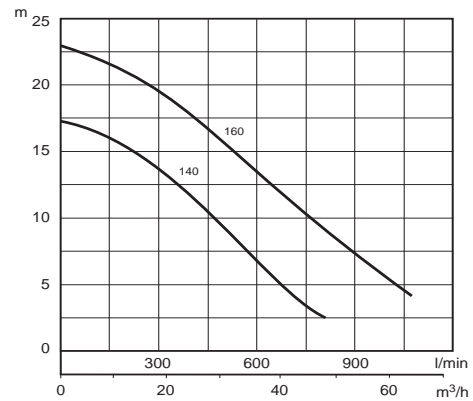
- = Standard
- = Available as an option



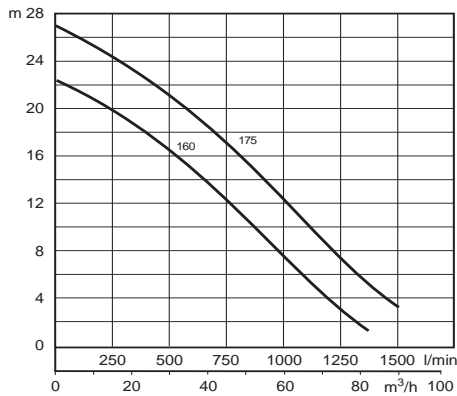
JUMBO S24



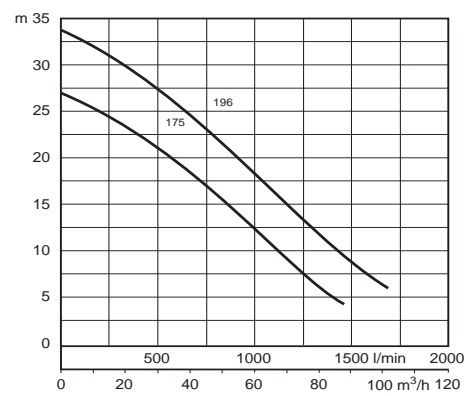
JUMBO S44



JUMBO S54



JUMBO S84



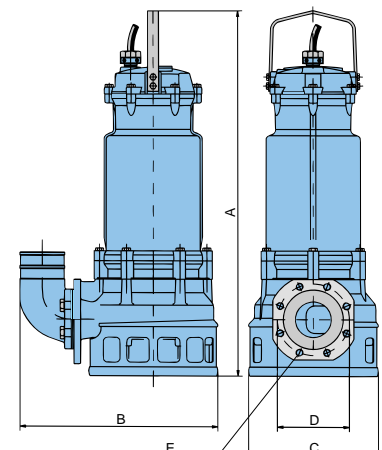
Dimensions (discharge see above)

mm

	A	B	C	D	E
JUMBO S24W	682	336	230	Ø 145	M16 - 4x
JUMBO S24D	682	336	230	Ø 145	M16 - 4x
JUMBO S44D	682	336	230	Ø 145	M16 - 4x
JUMBO S54D	766	442	289	Ø 160	M16 - 8x
JUMBO S84D	816	442	289	Ø 160	M16 - 8x

Standard discharge flange

JUMBO S24-S44 DN65
JUMBO S54-S84 DN80





ABS
COST-EFFECTIVE PUMPING

ABS reserves the right to alter specifications due to technical developments

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Agents and distributors

ABS has sales and service representation in more than 100 countries the world over.

www.abspumps.com

ABS is a company in the Cardo Group