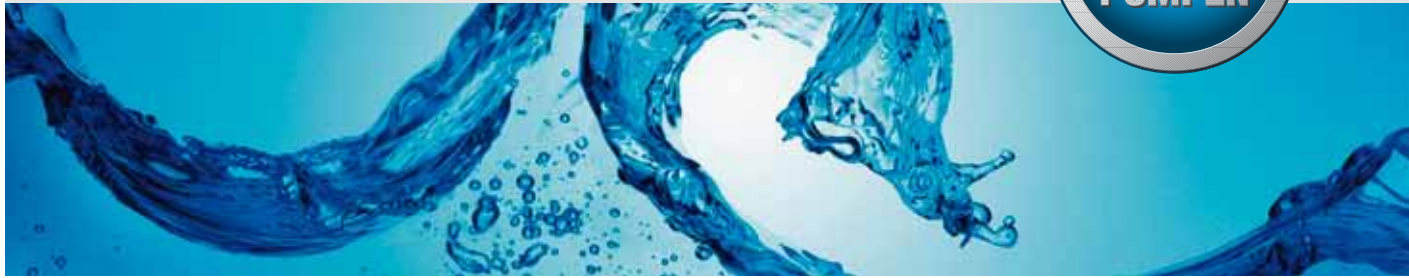


A wavelength ahead



# SPT Submersible dewatering pumps

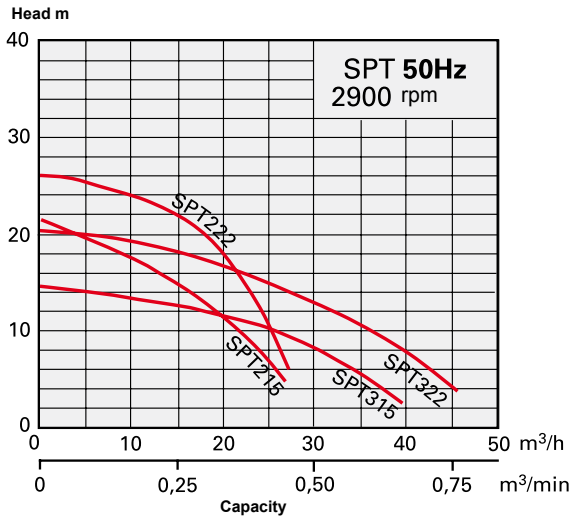
Robust, powerfull, reliable



SPT and

SPT-R

SPT 215 / 315 / 222 / 322



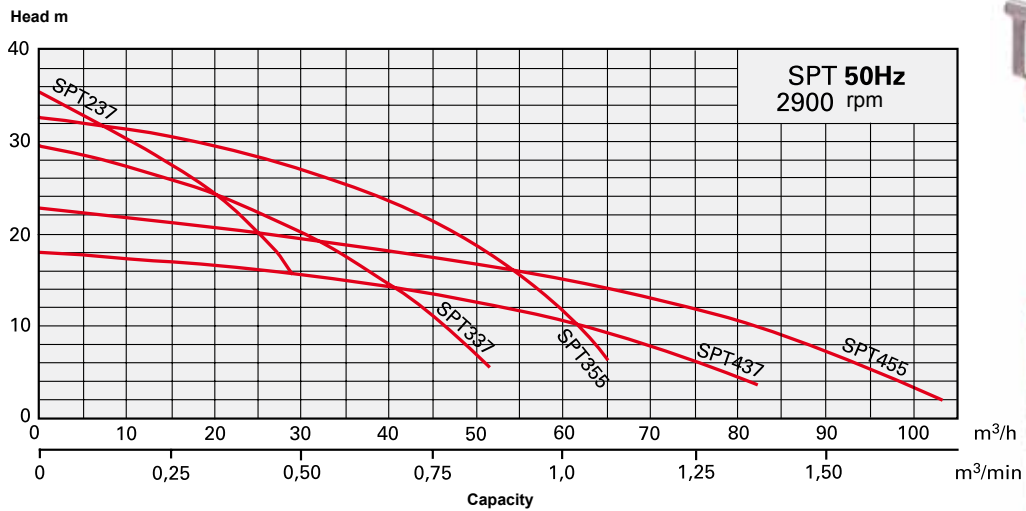
SPT – Powerful, robust submersible contractor pumps for the toughest requirements in the construction, mining, industrial, municipal and agricultural sectors



Type	Outlet		Output P2 kW	Voltage V 3-phase	Current A	Max. Head m	Max. Flow m <sup>3</sup> /h	Free Passage mm	Weight kg
	mm	"							
SPT215	50	2	1,5	400	3,50	22,0	27,0	8,5	37,0
SPT315	80	3	1,5	400	3,50	14,5	40,0	8,5	37,0
SPT222	50	2	2,2	400	5,00	26,0	27,0	8,5	39,0
SPT322	80	3	2,2	400	5,00	21,0	50,0	8,5	39,0

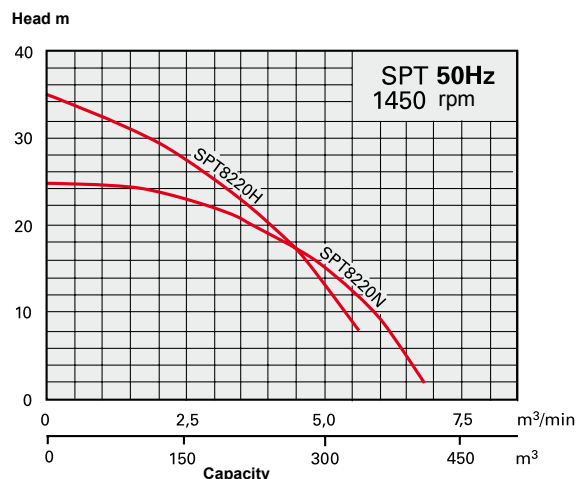
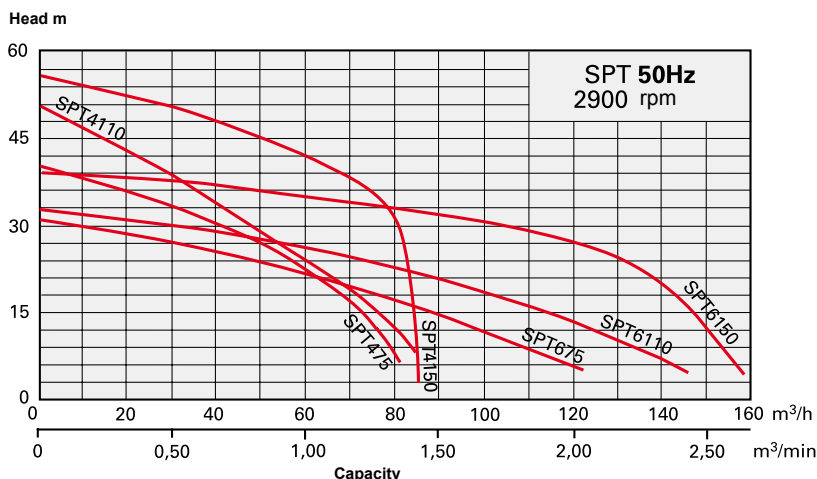
SPT 237 / 337 / 437 / 355 / 455

The SPT-contractor pumps fulfil their pumping demand even under extreme conditions



Type	Outlet		Output P2 kW	Voltage V 3-phase	Current A	Max. Head m	Max. Flow m <sup>3</sup> /h	Free Passage mm	Weight kg
	mm	"							
SPT237	50	2	3,7	400	7,70	34,0	29,0	8,5	65,0
SPT337	80	3	3,7	400	7,70	29,0	55,0	8,5	65,0
SPT437	100	4	3,7	400	7,70	18,0	90,0	8,5	66,0
SPT355	80	3	5,5	400	11,40	32,0	70,0	8,5	84,0
SPT455	100	4	5,5	400	11,40	23,0	105,0	8,5	85,0

SPT 475 / 675 / 4110 / 4150 / 6110 / 6150 / 8220H / 8220N

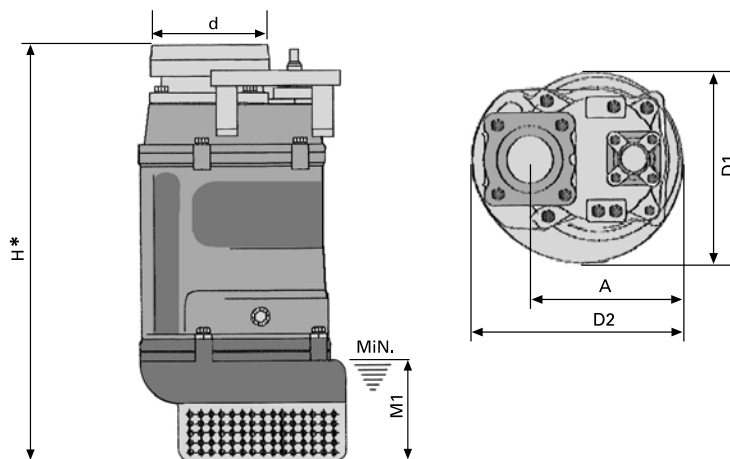


Type	Outlet		Output P2 kW	Voltage V 3-phase	Current A	Max. Head m	Max. Flow m³/h	Free Passage mm	Weight kg
	mm	"							
SPT475	100	4	7,5	400	15,0	40,0	84,0	11,5	114,0
SPT675	150	6	7,5	400	15,0	31,0	124,8	19,5	114,0
SPT4110	100	4	11,0	400	22,0	48,5	86,4	11,5	140,0
SPT6110	150	6	11,0	400	22,0	32,0	147,0	19,5	143,0
SPT4150	100	4	15,0	400	30,0	56,0	86,4	19,5	153,0
SPT6150	150	6	15,0	400	30,0	40,0	156,0	19,5	156,0
SPT8220N	200	6	22,0	400	43,0	25,0	390,0	30,0	410,0
SPT8220H	200	6	22,0	400	43,0	35,0	330,0	30,0	410,0

**SPT –**  
The powerful,  
reliable  
submersible  
contractor pumps  
for extreme  
applications

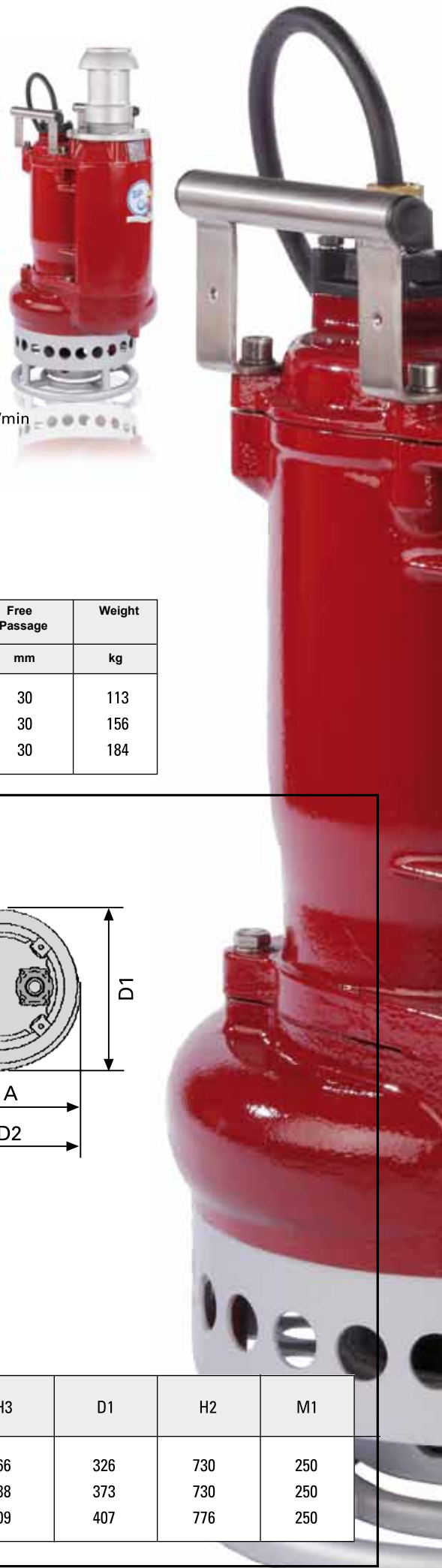
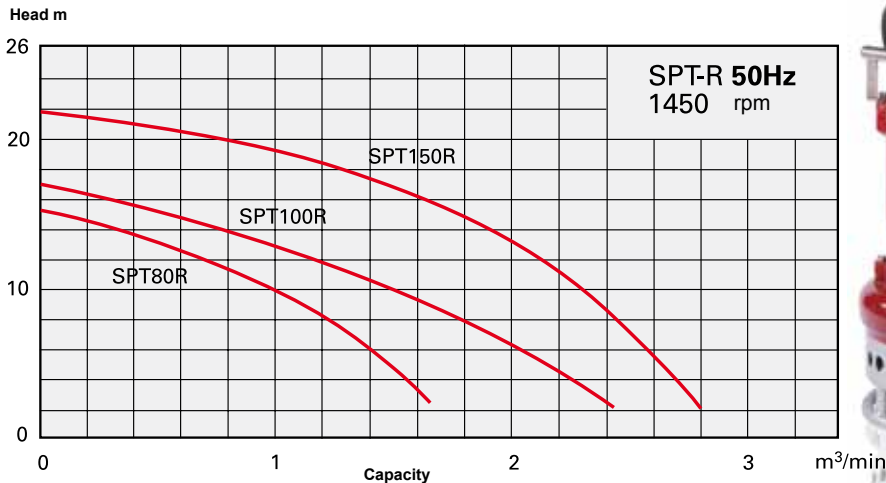
SPT-Dimensions

\* The total height can vary depending of the type of coupling



Typ	d	D2	A	H	D1	M1
SPT215	50	235	173	517	216	120
SPT315	80	235	173	517	216	120
SPT222	50	235	173	517	216	120
SPT322	80	235	173	517	216	120
SPT237	50	283	208	628	252	150
SPT337	80	283	208	628	252	150
SPT437	100	283	208	642	252	150
SPT355	80	306	218	671	259	150
SPT455	100	306	218	686	259	150
SPT475	100	330	240	764	314	190
SPT675	150	330	240	790	314	190
SPT4110	100	373	255	807	350	190
SPT4150	100	373	255	1295	535	190
SPT6110	150	373	255	1295	535	190
SPT6150	150	373	255	1295	535	190
SPT8220H	150	580	450	1295	535	340
SPT8220N	150	580	450	1295	535	340

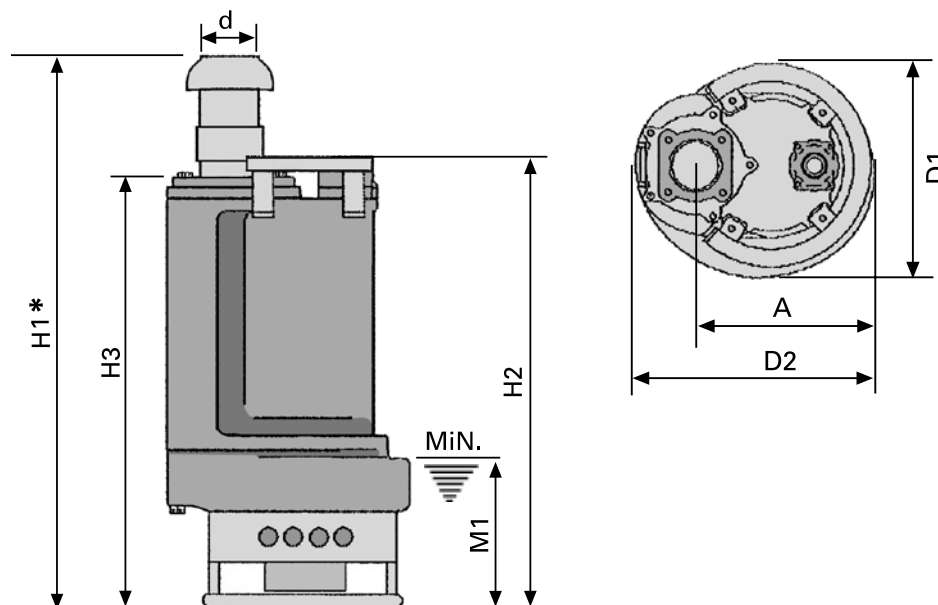
**SPT 80R / 100R / 150R**



**SPT-R Submersible contractor pumps with agitator for pumping problematic sand-water mixtures**

Type	Outlet		Output P2 kW	Voltage V 3-phase	Current A	Max. Head m	Max. Flow m³/min	Free Passage mm	Weight kg
	mm	"							
SPT80R	80	3	4	400	9,90	14,8	1,65	30	113
SPT100R	100	4	6	400	13,40	16,9	2,50	30	156
SPT150R	150	6	9	400	19,00	21,5	2,85	30	184

**SPT-R Dimensions**



\* The total head can vary depending of the type of coupling

Typ	d	D2	A	H1	H3	D1	H2	M1
SPT80R	80	350	260	765	666	326	730	250
SPT100R	100	415	305	848	688	373	730	250
SPT150R	150	434	324	869	709	407	776	250

The SPT series is an extremely robust series of submersible motor contractor pumps that fulfil their pumping demand even under extreme loads.

All components of the SPT series are optimally designed for use under the toughest conditions. This guarantees a safe and failure-free operation of the pumps.

High performance, extreme durability and wear resistance, as well as a very favourable cost-performance ratio are only a few advantages of the SPT series.

The 2-pole motor (SPT) and the 4-pole motor (SPT-R) with integrated motor protection are absolutely dry run safe.

The pump and the motor casing are made of wear resistant, robust cast iron. The impeller is made of a chrome-steel casting.

The sturdy materials of this series also guarantee high reliability and long service life of the pumps even under exceptional operating conditions. The compact design and the outlet opening located at the top enable the use of the submersible contractor pumps even under difficult local conditions.

### SPT-R Submersible contractor pumps with agitator

For special operating conditions, e.g. to pump problematic sand-water mixtures, the SPT-R submersible contractor pumps of the SPT series provide an effective solution.

The agitator installed on the shaft improves the flow of the medium to be pumped. Problematic mixtures of water, sand or bentonite are optimally conveyed due to the swirling and special suction action of the pump.

### SPT / SPT-R with agitator

#### Medium to be pumped

**SPT:** Sandy or gravelly waste water, light mud

**SPT-R:** Sandy or gravelly waste water, mud, sludge, drilling emulsion, bentonite etc.

#### Pump

Components:  
 Impeller: Open vortex impeller  
 Shaft seal: Double mechanical bearing ring seal Maintenance free, enclosed ball bearing  
 Bearing:

Temperature: 40 °C

#### Materials

Suction plate: Cast iron Chrome-steel  
 Impeller: Chrome-steel  
 Shaft seal: SPT SIC/SIC + carbon/ceramic  
 SPT-R SIC /SIC + SIC/SIC  
 Pump casing: Cast iron  
 Shaft: Stainless steel  
 Agitator (SPT-R): Chrome-steel

#### Motor

SPT: 2-pole 2900 rpm  
 SPT-R: 4-pole 1450 rpm  
 Phases/voltage: 3-ph. 400 volt/50 Hz  
 (special voltages available upon request)

Motor protection: Integrated thermal circuit breaker Insulation class: F  
 Motor output P2: SPT from 1.5 to 11.0 kW

Cable type/length: SPT-R from 4.0 to 9.0 kW  
 H07RN-F 20 m

Submersion depth: SPT up to 50 m  
 SPT-R up to 30 m

Pressure connection: From 2" to 6" or 50 mm to 150 mm



[www.spt-pumpen.de](http://www.spt-pumpen.de)

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