Range of products 400 V/50 HZ.

The right solution every time.

Miniprop

Type	TR 14.145-4/6	TR 16.145-4/6	TR 21.145-4/6	TR 21.145-4/11	TR 21.145-4/6 S	TR 21.145-4/11 S	TR 28.145-4/11
Number of propeller blades	2	2	2	2	2	2	2
Propeller material (alternative)	PUR	PUR	PUR	PUR	A4	A4	PUR
Propeller diameter [mm]	140	160	220	220	210	210	280
Nominal propeller speed [min]	1450	1450	1450	1450	1450	1450	1450
Nominal power [kW]	0.50	0.50	0.50	1.30	0.50	1.30	1.30
Power input at the duty point [kW] from / to	0.26	0.30	0.34	0.51	0.45	0.90 1.20	1.30
Thrust [N] from / to	45	65	75	80	95	170 240	330
Weight [kg]	20	20	20	26	22	28	27
Fields of application							
Sludge activation	–	–	+	+	–	–	+
Bio-reactors	–	–	–	–	–	–	•
Industrial sewage treatment	++	++	++	++	++	++	++
Pump sumps	++	++	++	++	++	++	+
Rain retention units	+	+	•	•	++	++	•
Sludge tanks, digestion tanks	•	•	•	•	•	•	•
Liquid manure and fermentation plants	–	–	–	–	•	+	–
Ice prevention system	–	–	–	–	+	+	•
Kaldnes and special water treatment processes	•	•	•	•	•	•	+
Aquaculture, public aquariums, seawater	++	++	++	++	+	+	++
Flow generation	•	•	+	+	•	•	++
Suitable for permanent operation	1	1	2	2	2	2	2

Uniprop direct

Type	TR 22.95-6/8	TR 22.145-4/8V	TR 22.145-4/8	TR 22.145-4/12	TR 36.74-8/8 S	TR 36.95-6/8 S	TR 36.145-4/12 S	TR 36.145-4/16 S	TR 36.74-8/8	TR 36.95-6/8	TR 36.145-4/12	TR 36.145-4/16	TR 40.74-8/16	TR 40.74-8/24	TR 40.95-6/24
Number of propeller blades	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3
Propeller material (alternative)	GCI (A4)	GCI (A4)	GCI (A4)	GCI (A4)	A4	A4	A4	A4	PUR	PUR	PUR	PUR	PUR	PUR	PUR
Propeller diameter [mm]	220	220	220	220	250	250	250	250	360	360	360	360	400	400	400
Nominal propeller speed [min]	950	1450	1450	1450	740	950	1450	1450	740	950	1450	1450	740	740	950
Nominal power [kW]	1.75	2.50	3.50	4.50	1.10	1.75	4.50	6.50	1.10	1.75	4.50	6.50	2.75	5.10	6.00
Power input at the duty point [kW] from / to	1.30	2.20	2.80	2.70	1.10	1.60	3.30 4.95	5.10 7.00	0.80	1.40	4.60	4.80	2.30	2.40	4.80
Thrust [N] from / to	185	310	350	350	210	320	530 700	720 830	220	380	820	830	620	630	1060
Weight [kg]	70	70	70	78	65	65	73	84	61	61	69	80	84	93	93
Fields of application															
Sludge activation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Bio-reactors	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Industrial sewage treatment	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Pump sumps	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Rain retention units	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+
Sludge tanks, digestion tanks	+	+	+	+	++	++	++	++	++	++	++	++	++	++	++
Liquid manure and fermentation plants	+	+	+	+	++	++	++	++	+	+	+	+	+	+	+
Ice prevention system	•	•	•	•	•	•	•	•	•	•	•	•	+	+	+
Kaldnes and special water treatment processes	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Aquaculture, public aquariums, seawater	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Flow generation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Suitable for permanent operation	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

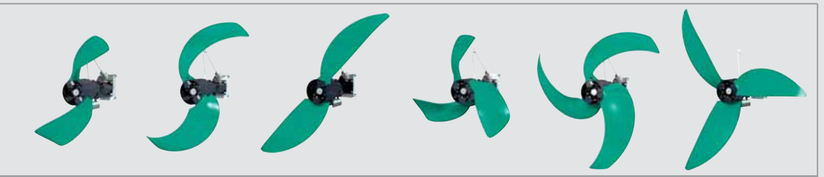
Uniprop with gear

Type	TR 50-2.xx-6/8	TR 50-2.xx-6/16	TR 50-2.xx-4/8V	TR 50-2.xx-4/8	TR 50-2.xx-4/12	TR 50-2.xx-4/16	TR 50-2.xx-2/22	TR 50-2.xx-6/8 S	TR 50-2.xx-4/8V S	TR 50-2.xx-4/8 S	TR 50-2.xx-4/12 S	TR 50-2.xx-4/16 S	TR 50-2.xx-4/24 S
Number of propeller blades	3	3	3	3	3	3	3	2	2	2	2	2	2
Propeller material (alternative)	PUR	PUR	PUR	PUR	PUR	PUR	PUR	A4 (St)	A4 (St)	A4 (St)	A4 (St)	A4 (St)	A4 (St)
Propeller diameter [mm]	500	500	500	500	500	500	500	500	500	500	500	500	500
Nominal propeller speed [min]	250 306	250	298 371	299 372	428 473	434 479	528 619	229 247	251 296	306 334	309 338	344 399	379 475
Nominal power [kW]	1.75	3.70	2.50	3.50	4.50	6.50	10.50	1.75	2.50	3.50	4.50	6.50	10.00
Power input at the duty point [kW] from / to	1.00 1.80	1.20	1.60 2.80	1.60 2.60	3.90 5.20	3.90 5.20	6.60 10.10	1.50 1.90	2.00 3.20	3.40 4.40	3.40 4.40	4.50 7.00	6.20 11.90
Thrust [N] from / to	350 540	350	500 750	500 720	930 1130	1000 1240	1400 1840	450 540	530 790	800 960	830 970	1010 1350	1270 1920
Weight [kg]	102	121	102	102	110	121	129	110	110	110	118	129	138
Fields of application													
Sludge activation	+	+	+	+	+	+	+	•	•	•	•	•	•
Bio-reactors	+	+	+	+	+	+	+	•	•	•	•	•	•
Industrial sewage treatment	++	++	++	++	++	++	++	++	++	++	++	++	++
Pump sumps	+	+	+	+	+	+	+	+	+	+	+	+	+
Rain retention units	•	•	•	•	•	•	•	+	+	+	+	+	+
Sludge tanks, digestion tanks	++	++	++	++	++	++	++	++	++	++	++	++	++
Liquid manure and fermentation plants	++	++	++	++	++	++	++	++	++	++	++	++	++
Ice prevention system	+	+	+	+	+	+	+	++	++	++	++	++	++
Kaldnes and special water treatment processes	+	+	+	+	+	+	+	•	•	•	•	•	•
Aquaculture, public aquariums, seawater	+	•	+	•	•	•	•	•	•	•	•	•	•
Flow generation	++	+	++	+	+	+	+	+	+	+	+	+	+
Suitable for permanent operation	1	1	1	1	1	1	1	1	1	1	1	1	1

Type	TR 60-2.xx-6/8	TR 60-2.xx-4/8V	TR 60-2.xx-4/8	TR 60-2.xx-4/12	TR 60-2.xx-4/16	TR 60-2.xx-4/24	TR 60-2.xx-2/22	TR 60-2.xx-6/8 S	TR 60-2.xx-4/8V S	TR 60-2.xx-4/8 S	TR 60-2.xx-4/12 S	TR 60-2.xx-4/16 S	TR 60-2.xx-4/24 S
Number of propeller blades	3	3	3	3	3	3	3	2	2	2	2	2	2
Propeller material (alternative)	PUR	PUR	PUR	PUR	PUR	PUR	PUR	A4 (St)	A4 (St)	A4 (St)	A4 (St)	A4 (St)	A4 (St)
Propeller diameter [mm]	600	600	600	600	600	600	600	600	600	600	600	600	600
Nominal propeller speed [min]	229 288	297 308	297 337	341 389	373 447	405 480	497 544	195	221	234 245	245 256	260 303	300 367
Nominal power [kW]	1.75	2.50	3.50	4.50	6.50	10.00	10.50	1.75	2.50	3.50	4.50	6.50	10.00
Power input at the duty point [kW] from / to	1.20 2.10	2.20 2.40	2.30 3.30	3.20 4.90	4.00 6.50	5.00 7.70	8.50 10.60	2.20	2.80	3.40 3.80	3.70 4.50	4.30 6.80	6.30 11.60
Thrust [N] from / to	510 760	820 880	840 1070	1060 1430	1300 1760	1450 1950	2150 2370	650	810	920 950	980 1140	1070 1460	1370 2070
Weight [kg]	103	103	103	111	122	130	130	112	112	112	120	131	140
Fields of application													
Sludge activation	+	+	+	+	+	+	+	•	•	•	•	•	•
Bio-reactors	+	+	+	+	+	+	+	•	•	•	•	•	•
Industrial sewage treatment	++	++	++	++	++	++	++	++	++	++	++	++	++
Pump sumps	+	+	+	+	+	+	+	+	+	+	+	+	+
Rain retention units	•	•	•	•	•	•	•	•	•	•	•	•	•
Sludge tanks, digestion tanks	++	++	++	++	++	++	++	++	++	++	++	++	++
Liquid manure and fermentation plants	++	++	++	++	++	++	++	++	++	++	++	++	++
Ice prevention system	+	+	+	+	+	+	+	++	++	++	++	++	++
Kaldnes and special water treatment processes	+	+	+	+	+	+	+	•	•	•	•	•	•
Aquaculture, public aquariums, seawater	+	+	•	•	•	•	•	•	•	•	•	•	•
Flow generation	+	+	+	+	+	+	+	+	+	+	+	+	+
Suitable for permanent operation	1	1	1	1	1	1	2	1	1	1	1	1	2

Type	TR 75-2.xx-6/16	TR 75-2.xx-6/24	TR 75-2.xx-4/16	TR 75-2.xx-4/24	TR 80-1.xx-4/22	TR 80-1.xx-4/27	TR 80-1.xx-4/30	TR 80-1.xx-4/22 S	TR 80-1.xx-4/30 S	TR 90-2.xx-8/8	TR 90-2.xx-6/8	TR 90-2.xx-4/8V	TR 90-2.xx-4/8	TR 90-2.xx-4/12
Number of propeller blades	3	3	3	3	3	3	3	3	3	2	2	2	2	2
Propeller material (alternative)	PUR	PUR	PUR	PUR	GRP + PUR	GRP + PUR	GRP + PUR	A4	A4	GRP + PUR	GRP + PUR	GRP + PUR	GRP + PUR	GRP + PUR
Propeller diameter [mm]	750	750	750	750	740	740	740	785	785	900	900	900	900	900
Nominal propeller speed [min]	156 176	194 216	193 217	197 254	238 269	239 272	240 301	205 267	239 301	98 126	129 166	192	193 215	219 251
Nominal power [kW]	3.70	6.00	6.50	10.00	12.50	16.00	18.50	12.50	18.50	1.10	1.75	2.50	3.50	4.50
Power input at the duty point [kW] from / to	3.00 4.30	5.40 7.40	5.10 7.20	6.30 10.80	10.40 14.90	10.50 15.10	10.80 20.10	6.10 12.40	9.60 16.90	0.70 1.30	1.20 2.20	3.00	2.90 3.90	3.70 5.20
Thrust [N] from / to	1145 1350	1660 1990	1630 1980	1660 2850	2600 3320	2520 3320	2610 3940	1640 2680	2350 3430	430 690	730 1100	1390	1390 1690	1750 2120
Weight [kg]	127	135	127	135	284	298	303	316	321	107	107	107	107	117
Fields of application														
Sludge activation	+	+	+	+	–	–	–	–	–	++	++	++	++	++
Bio-reactors	+	+	+	+	–	–	–	–	–	++	++	++	++	++
Industrial sewage treatment	++	++	++	++	++	++	++	++	++	++	++	++	++	++
Pump sumps	•	•	•	•	•	•	•	•	•	–	–	–	–	–
Rain retention units	•	•	•	•	–	–	–	–	–	–	–	–	–	–
Sludge tanks, digestion tanks	++	++	++	++	++	++	++	++	++	–	–	–	–	–
Liquid manure and fermentation plants	++	++	++	++	++	++	++	++	++	•	•	•	•	•
Ice prevention system	+	+	+	+	+	+	+	++	++	•	•	•	•	•
Kaldnes and special water treatment processes	+	+	+	+	•	•	•	•	•	++	++	++	++	++
Aquaculture, public aquariums, seawater	•	•	•	•	•	•	•	•	•	+	+	+	•	•
Flow generation	++	++	++	++	+	+	+	+	+	++	++	++	++	++
Suitable for permanent operation	1	1	1	2	1	1	1	1	1	1	1	1	1	1

Fields of application: ++ ideally suitable + suitable • suitable only to a limited extent – not suitable **Permanent operation:** 1 suitable 2 suitable only to a limited extent 3 not permitted ( ) Dimensioning by WILO EMU engineering! Subject to technical changes. Thrust and power measurement in accordance with ISO 21630.



Maxiprop														Megaprop												
TR215.xx-6/8	TR215.xx-4/8V	TR215.xx-4/8	TR215.xx-4/12	TR221.xx-8/8	TR221.xx-6/8	TR221.xx-4/8V	TR221.xx-4/8	TR221.xx-4/12	TR226.xx-8/8	TR226.xx-6/8	TR226.xx-4/8V	TR226.xx-4/8	TR226.xx-4/12	TR315.xx-6/8	TR315.xx-4/8V	TR315.xx-4/8	TR315.xx-4/12	TR321.xx-8/8	TR321.xx-6/8	TR321.xx-4/8V	TR321.xx-4/8	TR321.xx-4/12	TR326.xx-6/8	TR326.xx-4/8	TR326.xx-4/12	(TR326.xx-4/16)
2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP	GRP
1500	1500	1500	1500	2050	2050	2050	2050	2050	2600	2600	2600	2600	2600	1500	1500	1500	1500	2050	2050	2050	2050	2050	2600	2600	2600	2600
17 24	26 40	40 44	53 57	25 32	33 39	41 45	46 53	57 59	20 27	29 32	35 39	35 43	41 46	17 24	26 38	40	44	23 31	33 35	36 39	41 45	49 52	26 30	31 39	41 43	45 47
1.75	2.50	3.50	4.50	1.10	1.75	2.50	3.50	4.50	1.10	1.75	2.50	3.50	4.50	1.75	2.50	3.50	4.50	1.10	1.75	2.50	3.50	4.50	1.75	3.50	4.50	6.50
0.60 0.80	0.90 2.50	2.50 3.30	4.90 5.80	0.60 1.10	1.20 1.70	1.70 2.00	2.50 3.70	4.20 4.90	0.68 1.19	1.36 1.82	2.48 3.13	2.52 4.01	3.65 4.89	0.60 0.90	1.10 3.10	3.40	4.60	0.70 1.30	1.50 1.80	1.80 2.30	2.50 3.20	4.00 4.90	1.74 2.08	2.20 3.92	4.42 4.98	6.11 6.41
300 630	700 1420	1420 1700	2400 2560	650 1100	1200 1700	1850 2150	2200 2900	3400 3650	800 1430	1670 2110	2620 3060	2640 3670	3440 4370	450 750	830 1780	1920	2450	750 1300	1450 1650	1800 2100	2250 2700	3250 3700	2040 2260	2330 3600	4030 4340	5080 5270
172	172	172	182	178	178	178	178	188	177	177	177	177	187	190	190	190	200	199	199	199	199	209	197	197	207	218
++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
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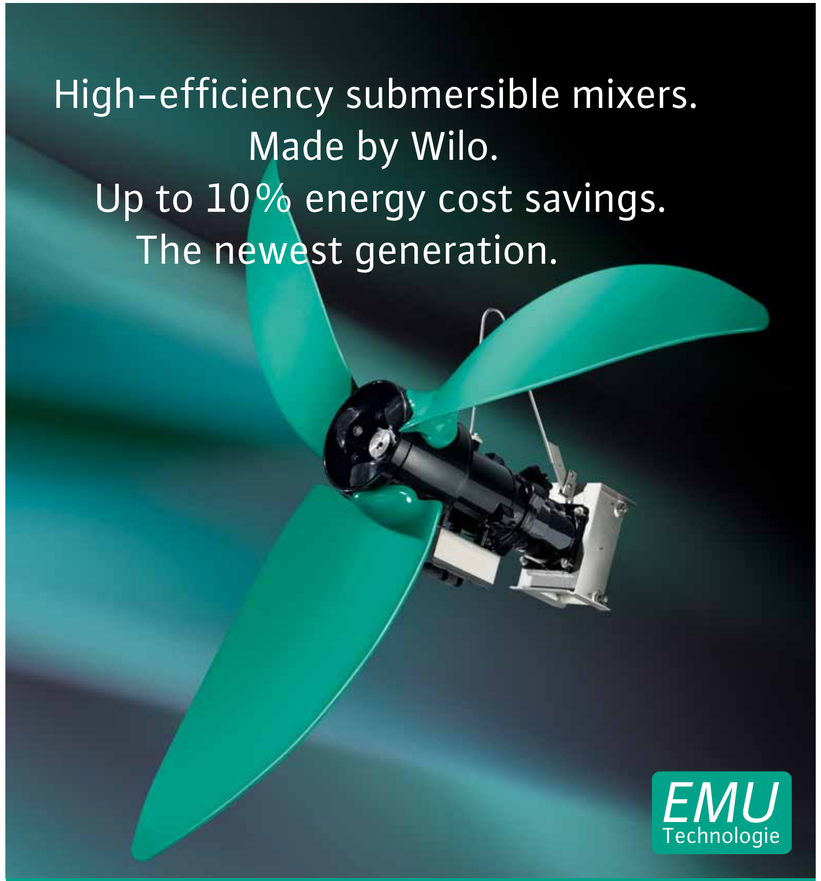
+	+	+	+	++	++	++	++	++	•	•	•	•	•	+	+	+	+	++	++	++	++	++	•	•	•	•
+	+	+	+	•	•	•	•	•	•	•	•	•	•	+	+	+	+	•	•	•	•	•	•	•	•	•
+	+	+	+	++	++	++	++	++	+	+	+	+	+	+	+	+	+	++	++	++	++	++	+	+	+	+
+	+	•	•	+	+	+	•	•	+	+	+	•	•	+	+	•	•	+	+	+	•	•	+	+	•	–
++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



Wilo-EMU Megaprop TR 326.

Wilo presents their newest and most efficient generation of mixers. Due to an innovative blade shape and a propeller diameter of 2.60 m, our low-speed mixers achieve the best thrust values with the most favourable performance factors (ISO 21630). For the first time, the thrust performance factor gives you the opportunity of an objective comparison with similar submersible mixers. The result: up to 10% lower energy costs. A conversion will therefore pay for itself within a very short time. Extremely durable one-piece GRP laminated blades ensure maximum periods of use and minimum maintenance costs.

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City: _____

Country: _____

Name: _____

Fax: _____

With the request for
❑ a selection
❑ a price offer

Date: _____

Signature: _____

1.	Selection data	item
1.1	Application	
1.2	Aeration	❑
1.2.1	Kind of aeration	
1.2.2	Air input	m^3 N/h
1.2.3	Aerated surface*	m^2
1.3	Kind of liquid	
1.3.1	pH-value*	
1.3.2	Solids content	%
1.3.3	Temperature	°C
1.3.4	Density*	kg/m^3
1.3.5	Viscosity*	mPas
1.3.6	Kind of thickening*	
1.4	Tank dimensions*[1]	
1.4.1	Length x width	m x m
1.4.2	Diameter	m
1.4.3	Liquid depth	m
1.4.4	Tank depth	m
1.5	Tank materials	
1.5.1	Concrete	❑
1.5.2	Steel	❑
1.5.3	Others	
1.6	Medium flow velocity	m/s

2.	Technical data	
2.1	Voltage	~ 3 / V / Hz
2.2	Starting	
2.2.1	Direct	❑
2.2.2	Star-delta	❑
2.2.3	Others	
2.3	Motor control	
2.3.1	Winding	❑
2.3.2	Sealing chamber control	❑
2.3.3	Others	
2.4	Ex protection	❑
2.5	Max. starts per hour	/h
2.6	Power cable: length	m

3.	Further information

** if available* *[1] enclose sketch*