



Technical Information

Motordata RM 50 Hz

pump type	shaft power [kW]			speed [rpm]			motor eff.			power factor			torque [Nm]			start factor		J [kgm ²] pump
	100%	75%	50%	100%	75%	50%	100%	75%	50%	100%	75%	50%	100%	75%	50%	current	torq.	
	current 220V [A]			current 380V [A]			current 400V [A]			current 415V [A]								
RM21DC	1.5 6.6	1.1 5.5	0.8 4.5	1420 3.8	1440 3.2	1455 2.6	71 3.6	69 3.0	65 2.4	0.84 3.5	0.78 2.9	0.68 2.4	10.1 3.5	7.5 2.9	4.9 2.4	4.8	2.0	0.0080
RM21DC-N	1.5 6.6	1.1 5.5	0.8 4.5	1420 3.8	1440 3.2	1455 2.6	71 3.6	69 3.0	65 2.4	0.84 3.5	0.78 2.9	0.68 2.4	10.1 3.5	7.5 2.9	4.9 2.4	4.8	2.0	0.0080
RM21DD	2.2 9.1	1.7 7.2	1.1 5.4	1375 5.3	1415 4.2	1440 3.1	71 5.0	71 3.9	69 3.0	0.89 4.8	0.85 3.8	0.78 2.8	15.3 4.8	11.1 3.8	7.3 2.8	3.4	1.3	0.0080
RM21DG	3.5 14.0	2.6 11.0	1.8 8.9	1385 8.1	1420 6.4	1450 5.2	78 7.7	81 6.1	79 4.9	0.84 7.4	0.77 5.9	0.65 4.7	24.1 7.4	17.7 5.9	11.5 4.7	4.3	1.8	0.0080
RM21DG-L	3.5 14.0	2.6 11.0	1.8 8.9	1385 8.1	1420 6.4	1450 5.2	78 7.7	81 6.1	79 4.9	0.84 7.4	0.77 5.9	0.65 4.7	24.1 7.4	17.7 5.9	11.5 4.7	4.3	1.8	0.0080
RM21DG-N	3.5 14.0	2.6 11.0	1.8 8.9	1385 8.1	1420 6.4	1450 5.2	78 7.7	81 6.1	79 4.9	0.84 7.4	0.77 5.9	0.65 4.7	24.1 7.4	17.7 5.9	11.5 4.7	4.3	1.8	0.0080
RM40DJ	5 20.3	3.8 16.4	2.5 13.4	1420 11.7	1445 9.5	1470 7.7	79 11.1	79 9.0	78 7.3	0.82 10.7	0.76 8.7	0.63 7.1	33.6 10.7	24.8 8.7	16.2 7.1	5.0	1.9	
RM40DL	6 23.8	4.5 18.5	3.0 14.8	1395 13.8	1430 10.7	1460 8.6	78 13.1	80 10.1	78 8.2	0.85 12.6	0.80 9.8	0.68 7.9	41.1 12.6	30.0 9.8	19.6 7.9	4.2	1.5	
RM40DO	7.5 27.6	5.6 21.7	3.8 16.8	1390 16.0	1430 12.6	1460 9.7	81 15.2	81 11.9	79 9.3	0.88 14.6	0.84 11.5	0.74 8.9	51.5 14.6	37.6 11.5	24.5 8.9	6.1	1.8	
RM60LF	22 83.8	16.5 65.3	11.0 51.6	1430 48.5	1450 37.8	1470 29.9	84 46.1	85 35.9	86 28.4	0.82 44.4	0.78 34.6	0.65 27.4	146. 44.4	108. 34.6	71.5 27.4	5.7	1.6	0.1900

1. Ratings apply for continuous duty (S1 according to VDE 0530) at max. 40 C. ambient temperature and with at least 2/3 submerged.
2. Motortype: 3 phase squirrel cage induction.
3. Starting current at star-delta start is 1/3 of the value at direct start (at 100%).
4. Line voltage tolerance 5%, Frequency tolerance 5%.
5. Degree of protection IP 68 according to DIN 40050.
6. All motors class F insulation according to IEC publ. 85.
7. J pump: including entrained liquid.