

Performance Data Sheet

Name: KRAL R Series (RFI / RFT – Type)

Customer: miscellaneous

	Operating data 1	Operating data 2	Operating data 3
Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	42	42	42
Suction pressure	0	0	0 [barg]
Total pressure	8	8	8 [barg]
Diff. pressure	8	8	8 [bar]
Temperature	50	40	120 [°C]
Viscosity	380	2	12 [mm ² /s]
Revolution	1750	1750	1750 [1/min]
Special condition	Standard	Standard	Standard
Capacity*	50.01	34.73	43.13 [l/min]
	3	2.08	2.59 [m ³ /h]
Power requirement*	1.24	0.86	0.86 [kW]
Min. suction pressure (abs.)	5.4	6.19	6.19 [mWS]
NPSH required	2.8	2	2 [mWS]
Noise level pump	55.69	55.69	55.69 [dB(A)]
Noise level pump unit	57.56	56.96	56.96 [dB(A)]
Torque	6.76	4.7	4.7 [Nm]
Efficiency (total)	53.83	53.71	66.71 [%]
Efficiency (volumetric)	96.91	67.29	83.58 [%]
Axial velocity	1.87	1.87	1.87 [m/s]
Moment of inertia	0.0000553	0.0000553	0.0000553 [kgm ²]
Recommended motor	1,3 kW / BG 90 (95.29%)	0,9 kW / BG 80 (95.8%)	0,9 kW / BG 80 (95.8%)

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*Bautoleranzen nach VDMA 24284 - Toleranzgruppe II / *Fabrication tolerances acc. VDMA 24284 - tolerance class II

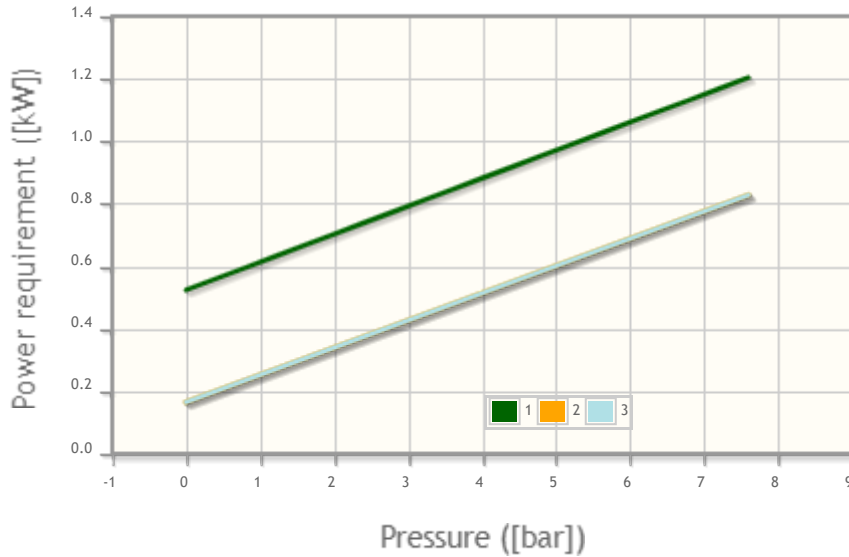
User: natr

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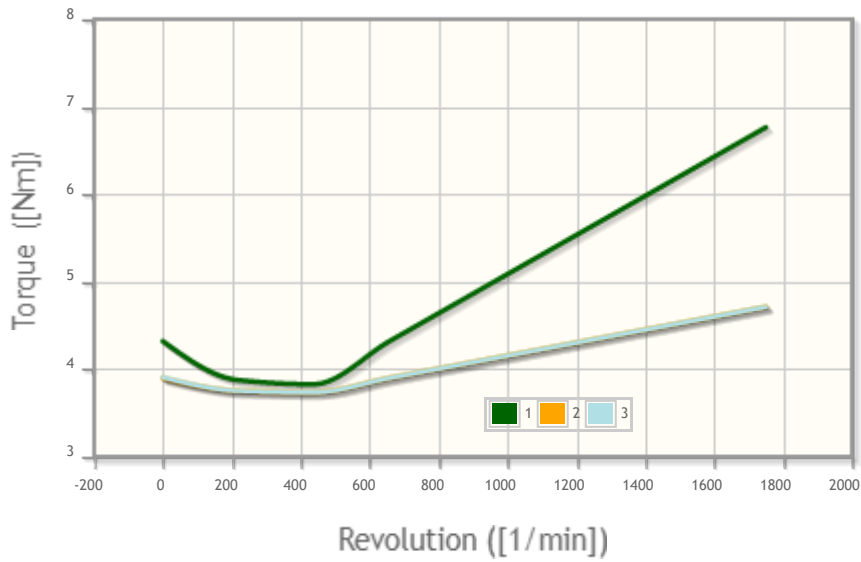
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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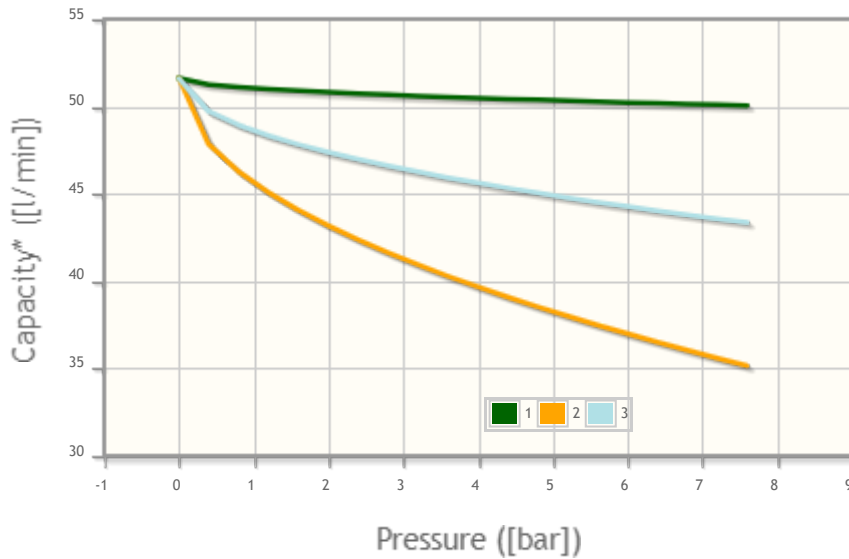
Power required



Starting torque



Capacity



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Series	R	R	R
Size	42	42	42
Suction pressure	0	0	0 [barg]
Total pressure	8	8	8 [barg]
Diff. pressure	8	8	8 [bar]
Temperature	50	40	120 [°C]
Viscosity	380	2	12 [mm ² /s]
Revolution	3500	3500	3500 [1/min]
Special condition	Standard	Standard	Standard
Capacity*	101.62	86.34	94.74 [l/min]
	6.1	5.18	5.68 [m ³ /h]
Power requirement*	2.93	1.87	1.87 [kW]
Min. suction pressure (abs.)	3.75	5.57	5.39 [mWS]
NPSH required	4.44	2.62	2.8 [mWS]
Noise level pump	59.31	59.31	59.31 [dB(A)]
Noise level pump unit	67.68	66.84	66.84 [dB(A)]
Torque	8	5.1	5.1 [Nm]
Efficiency (total)	46.18	61.61	67.61 [%]
Efficiency (volumetric)	98.45	83.65	91.79 [%]
Axial velocity	3.73	3.73	3.73 [m/s]
Moment of inertia	0.0000553	0.0000553	0.0000553 [kgm ²]
Recommended motor	2,6 kW / BG 90 (112.84%)	1,8 kW / BG 90 (103.81%)	1,8 kW / BG 90 (103.81%)

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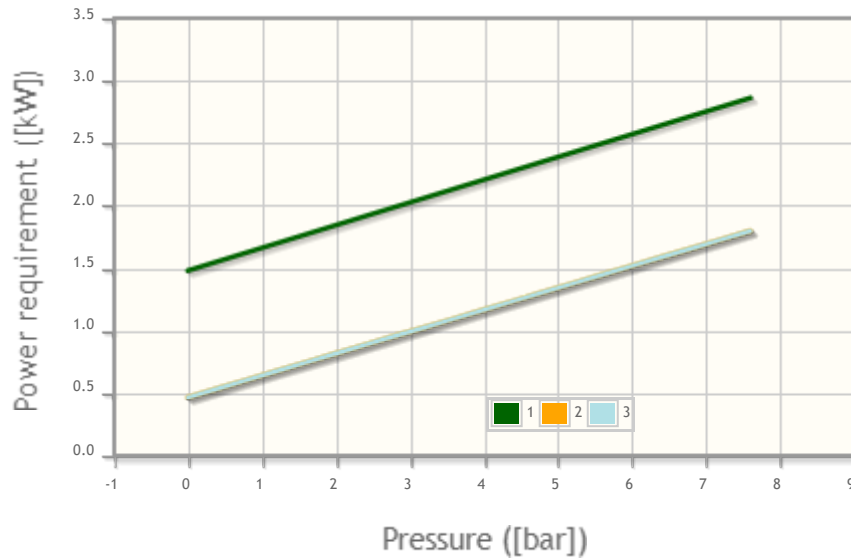
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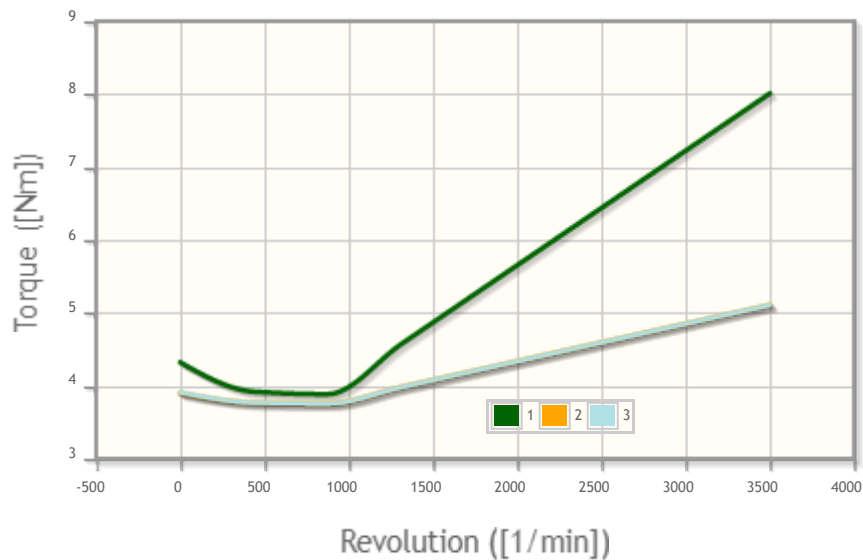
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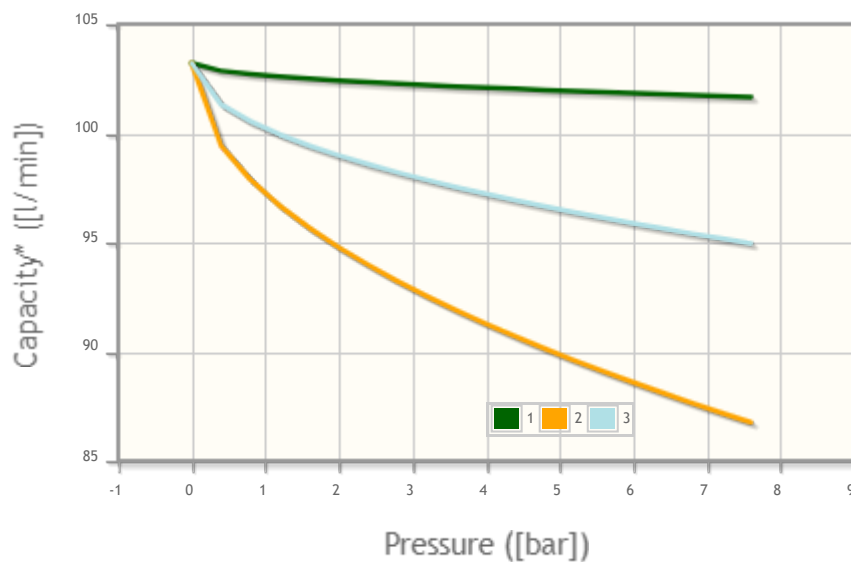
Power required



Starting torque



Capacity



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