

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	20	20	20
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*	23.58	13.76	19.16 [l/min]
	1.41	0.83	1.15 [m ³ /h]
Power requirement*	0.63	0.42	0.42 [kW]
Min. suction pressure (abs.)	5.64	6.19	6.19 [mWS]
NPSH required	2.55	2	2 [mWS]
Noise level pump	52.55	52.55	52.55 [dB(A)]
Noise level pump unit	54.47	54.47	54.47 [dB(A)]
Torque	3.45	2.32	2.32 [Nm]
Efficiency (total)	49.69	43.23	60.2 [%]
Efficiency (volumetric)	95.83	55.91	77.87 [%]
Axial velocity	1.46	1.46	1.46 [m/s]
Moment of inertia	0.0000172	0.0000172	0.0000172 [kgm ²]
Recommended motor	0,65 kW / BG 80 (97.34%)	0,44 kW / BG 71 (96.44%)	0,44 kW / BG 71 (96.44%)

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

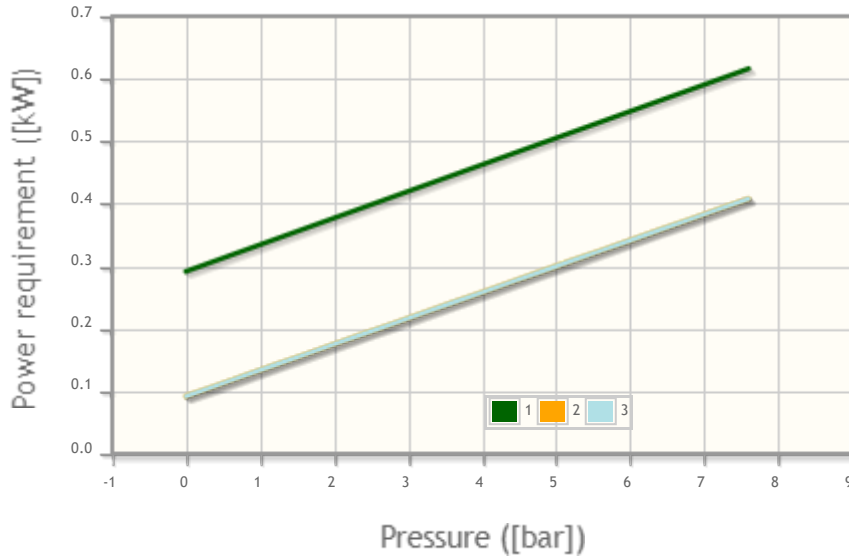
User: natr

KRAL GmbH, Bildgasse 40, Industrie Nord, 6890 Lustenau, Austria, Tel.: +43 / 5577 / 8 66 44-0

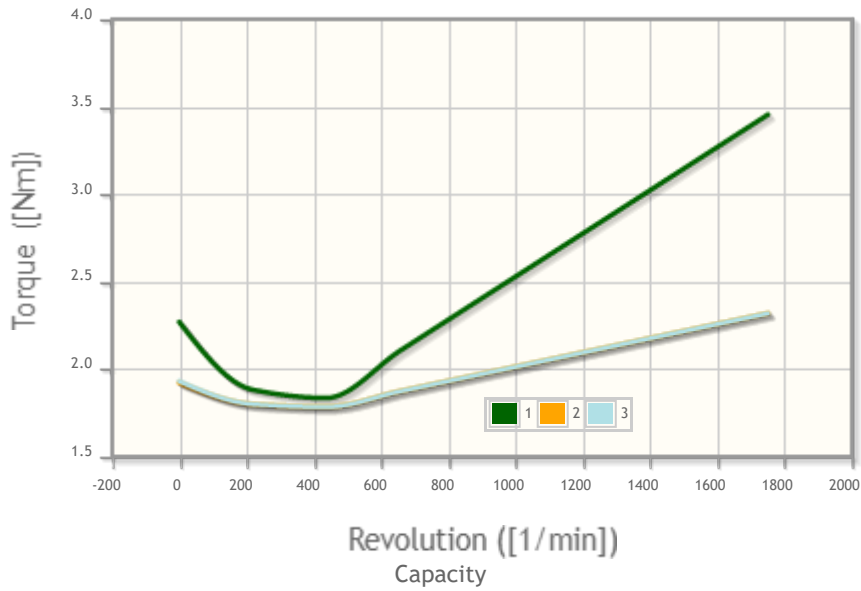
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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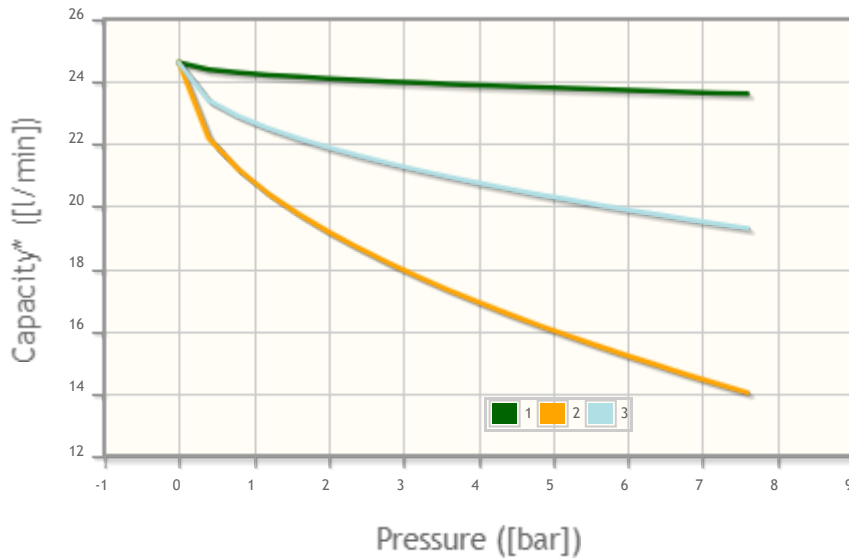
Power required



Starting torque



Capacity



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Series	R	R	R
Size	20	20	20
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*	48.18	38.36	43.76 [l/min]
	2.89	2.3	2.63 [m ³ /h]
Power requirement*	1.52	0.93	0.93 [kW]
Min. suction pressure (abs.)	4.59	6.01	5.87 [mWS]
NPSH required	3.6	2.19	2.33 [mWS]
Noise level pump	55.71	55.71	55.71 [dB(A)]
Noise level pump unit	62.92	62.13	62.13 [dB(A)]
Torque	4.14	2.53	2.53 [Nm]
Efficiency (total)	42.33	55.09	62.85 [%]
Efficiency (volumetric)	97.91	77.96	88.93 [%]
Axial velocity	2.92	2.92	2.92 [m/s]
Moment of inertia	0.0000172	0.0000172	0.0000172 [kgm ²]
Recommended motor	1,3 kW / BG 80 (116.75%)	0,9 kW / BG 80 (103.16%)	0,9 kW / BG 80 (103.16%)

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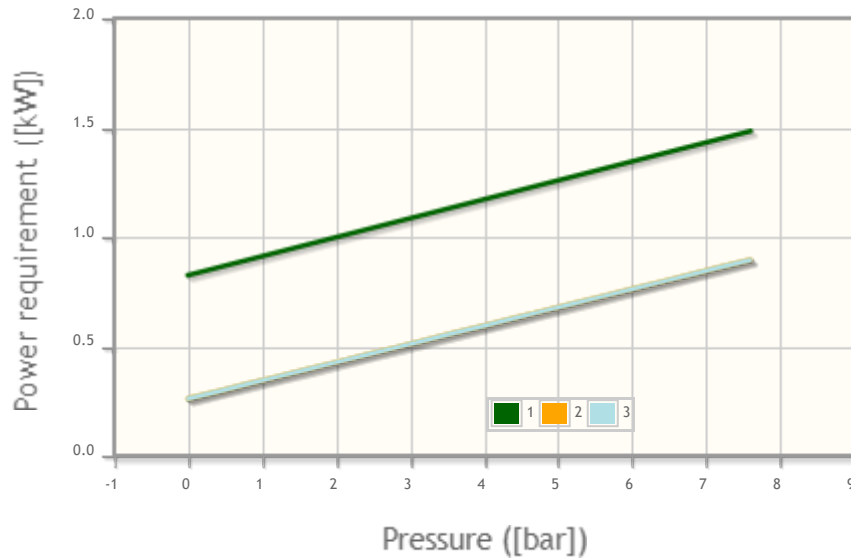
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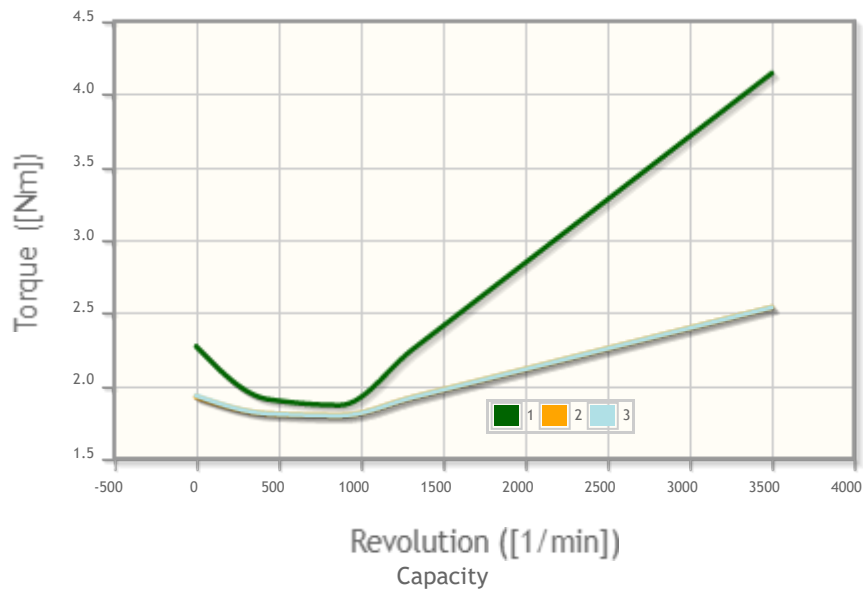
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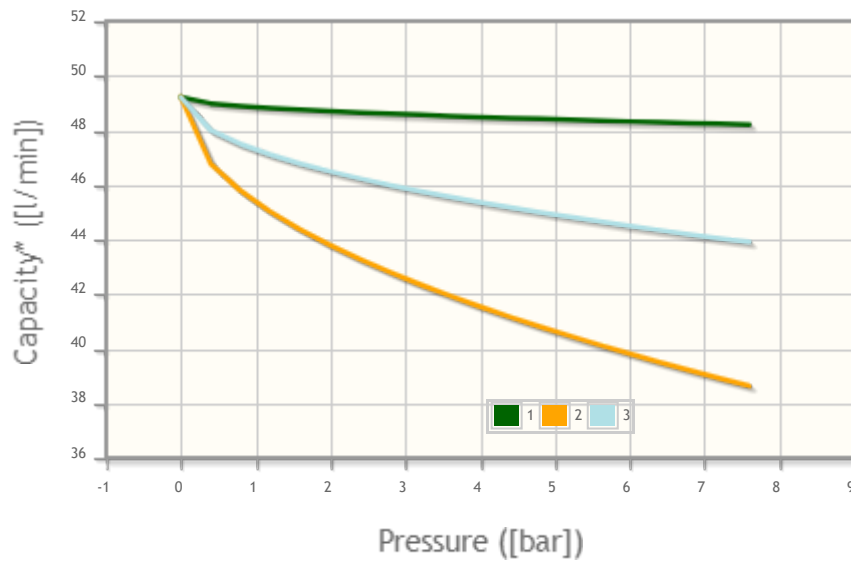
Power required



Starting torque



Capacity



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