

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	85	85	85
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*	98.27	74.06	87.38 [l/min]
	5.9	4.44	5.24 [m ³ /h]
Power requirement*	2.3	1.65	1.65 [kW]
Min. suction pressure (abs.)	5.07	6.19	6.14 [mWS]
NPSH required	3.12	2	2.05 [mWS]
Noise level pump	58.92	58.92	58.92 [dB(A)]
Noise level pump unit	61.49	60.4	60.4 [dB(A)]
Torque	12.53	8.98	8.98 [Nm]
Efficiency (total)	57.06	60.03	70.82 [%]
Efficiency (volumetric)	97.49	73.48	86.68 [%]
Axial velocity	2.33	2.33	2.33 [m/s]
Moment of inertia	0.0001655	0.0001655	0.0001655 [kgm ²]
Recommended motor	2,6 kW / BG 100 (88.32%)	1,8 kW / BG 90 (91.39%)	1,8 kW / BG 90 (91.39%)

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

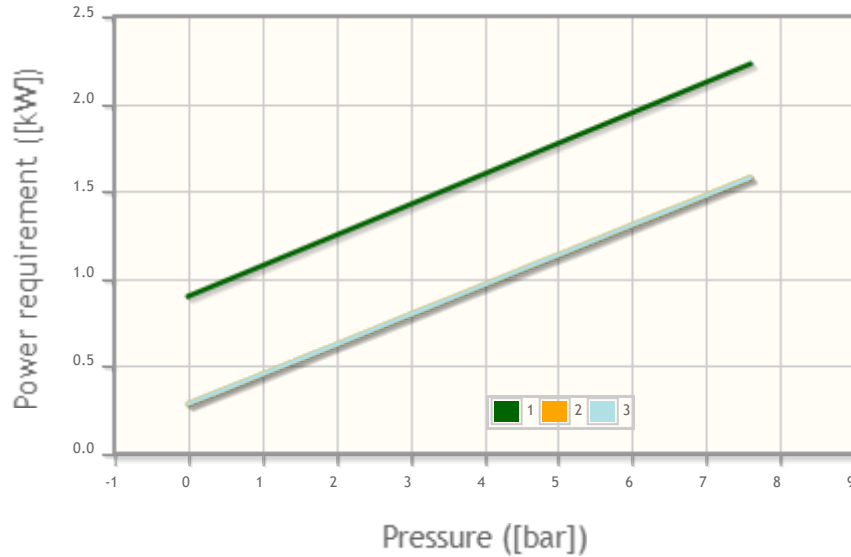
User: natr

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

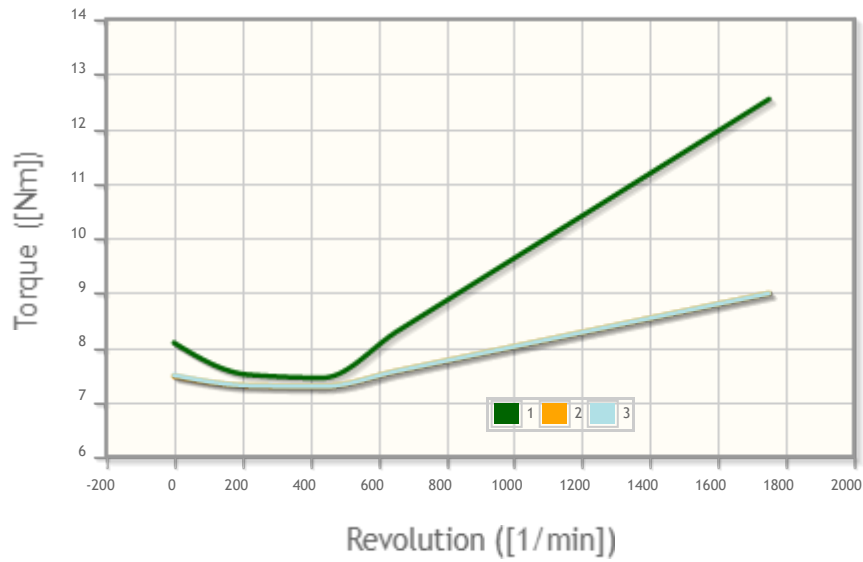
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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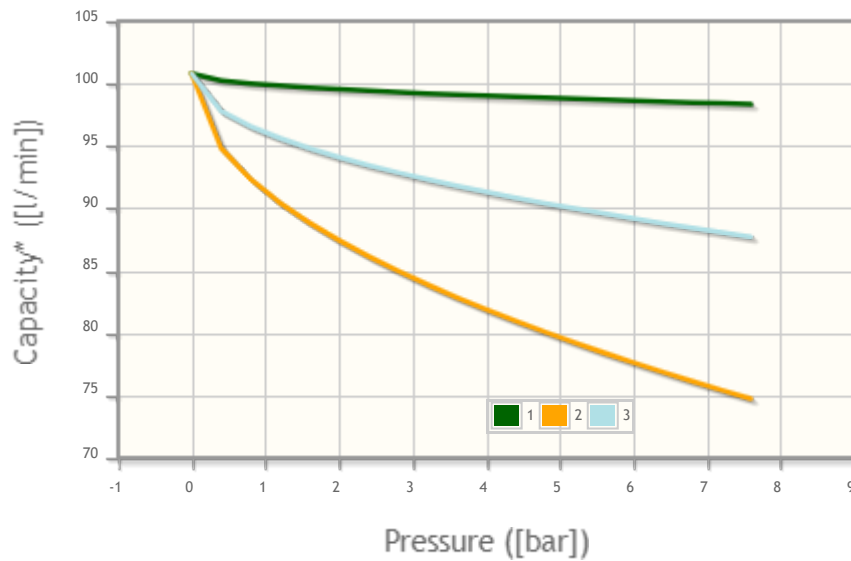
Power required



Starting torque



Capacity



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Series	R	R	R
Size	85	85	85
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*	199.07	174.86	188.18 [l/min]
	11.94	10.49	11.29 [m ³ /h]
Power requirement*	5.38	3.54	3.54 [kW]
Min. suction pressure (abs.)	2.46	4.93	4.69 [mWS]
NPSH required	5.73	3.27	3.5 [mWS]
Noise level pump	63.02	63.02	63.02 [dB(A)]
Noise level pump unit	73.42	69.2	69.2 [dB(A)]
Torque	14.68	9.66	9.66 [Nm]
Efficiency (total)	49.32	65.87	70.89 [%]
Efficiency (volumetric)	98.75	86.74	93.34 [%]
Axial velocity	4.67	4.67	4.67 [m/s]
Moment of inertia	0.0001655	0.0001655	0.0001655 [kgm ²]
Recommended motor	6,5 kW / BG 132 (82.8%)	3,6 kW / BG 100 (98.32%)	3,6 kW / BG 100 (98.32%)

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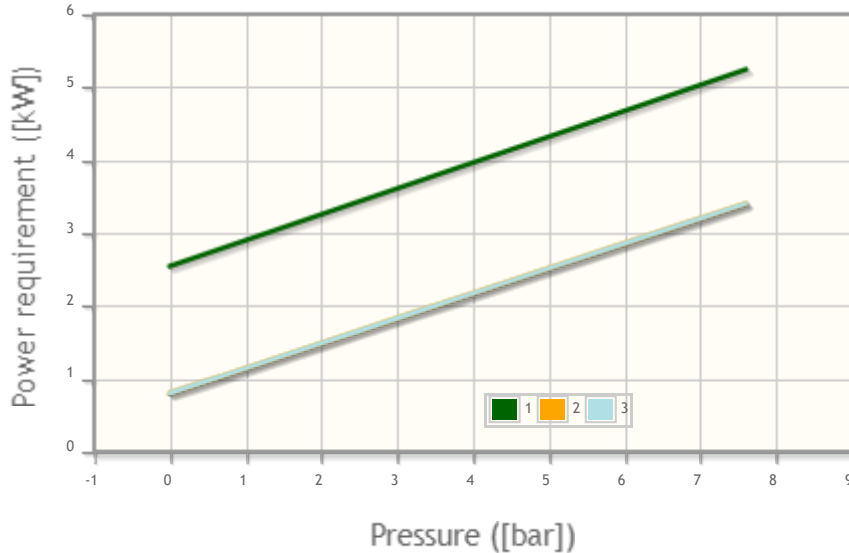
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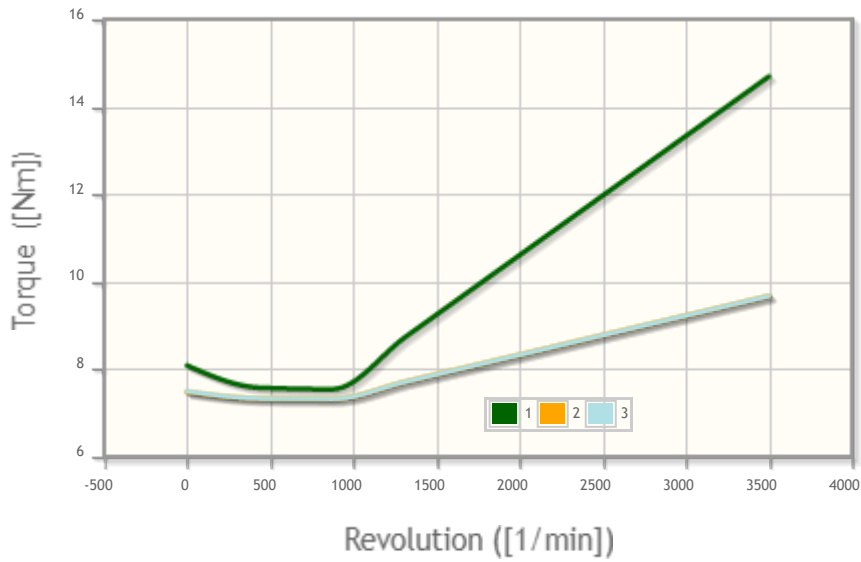
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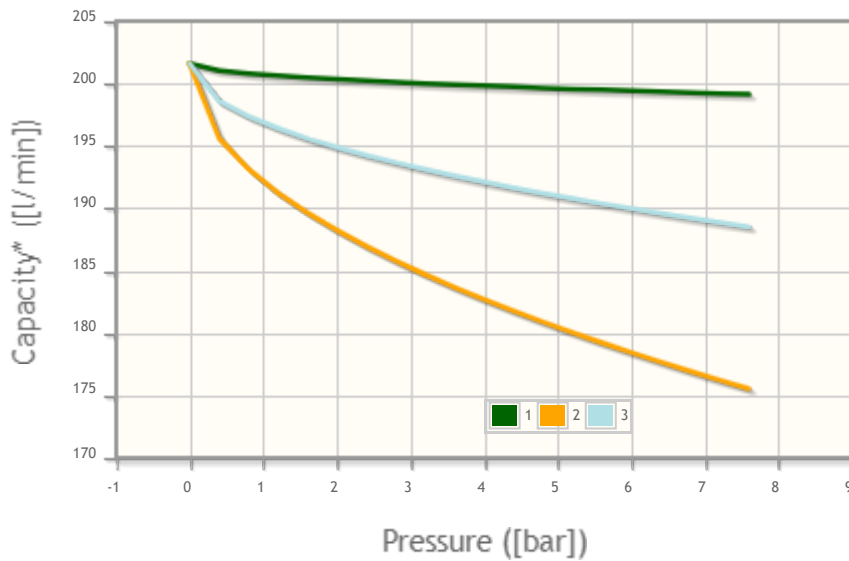
Power required



Starting torque



Capacity



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