

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	55	55	55
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*	68.51	48.87	59.67 [l/min]
	4.11	2.93	3.58 [m ³ /h]
Power requirement*	1.61	1.15	1.15 [kW]
Min. suction pressure (abs.)	5.54	6.19	6.19 [mWS]
NPSH required	2.65	2	2 [mWS]
Noise level pump	56.56	56.56	56.56 [dB(A)]
Noise level pump unit	58.15	57.63	57.63 [dB(A)]
Torque	8.77	6.28	6.28 [Nm]
Efficiency (total)	56.82	56.58	69.09 [%]
Efficiency (volumetric)	97.09	69.26	84.57 [%]
Axial velocity	1.63	1.63	1.63 [m/s]
Moment of inertia	0.0001656	0.0001656	0.0001656 [kgm ²]
Recommended motor	1,3 kW / BG 90 (123.65%)	0,9 kW / BG 80 (127.95%)	0,9 kW / BG 80 (127.95%)

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

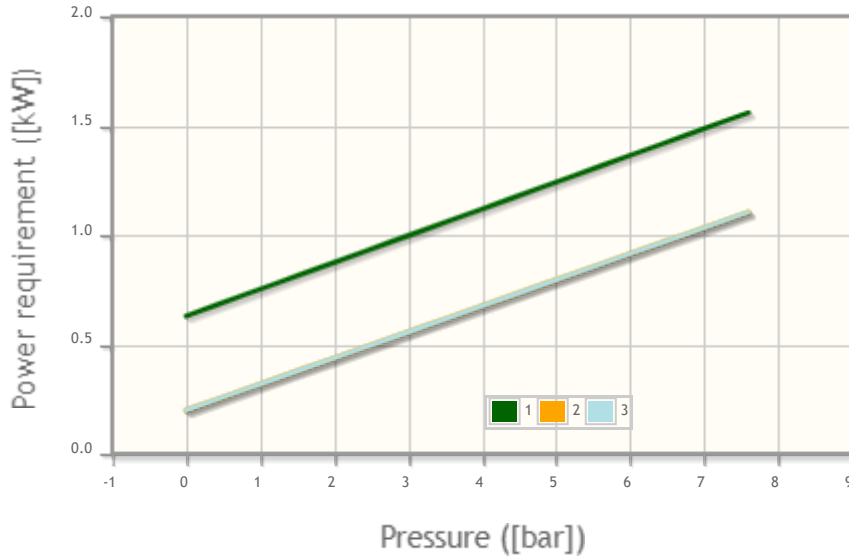
User: natr

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

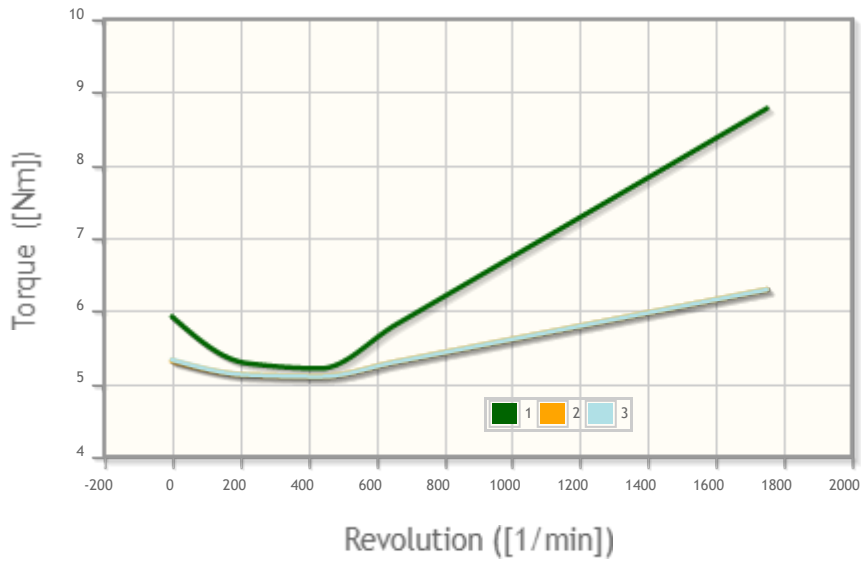
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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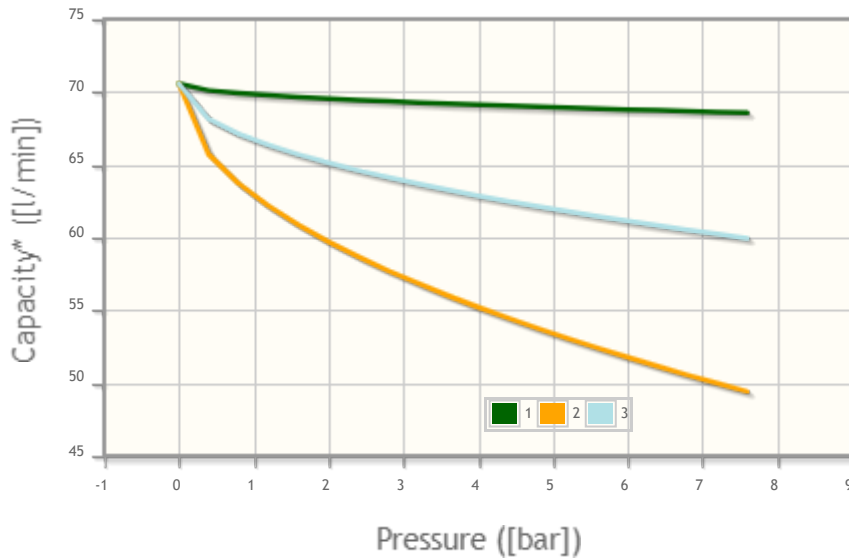
Power required



Starting torque



Capacity



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Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	55	55	55
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*	139.07	119.43	130.23 [l/min]
	8.34	7.17	7.81 [m ³ /h]
Power requirement*	3.77	2.48	2.48 [kW]
Min. suction pressure (abs.)	4.26	5.83	5.68 [mWS]
NPSH required	3.93	2.36	2.52 [mWS]
Noise level pump	60.32	60.32	60.32 [dB(A)]
Noise level pump unit	69.55	67.84	67.84 [dB(A)]
Torque	10.28	6.76	6.76 [Nm]
Efficiency (total)	49.22	64.27	70.08 [%]
Efficiency (volumetric)	98.55	84.63	92.28 [%]
Axial velocity	3.27	3.27	3.27 [m/s]
Moment of inertia	0.0001656	0.0001656	0.0001656 [kgm ²]
Recommended motor	4,8 kW / BG 112 (78.48%)	2,6 kW / BG 90 (95.29%)	2,6 kW / BG 90 (95.29%)

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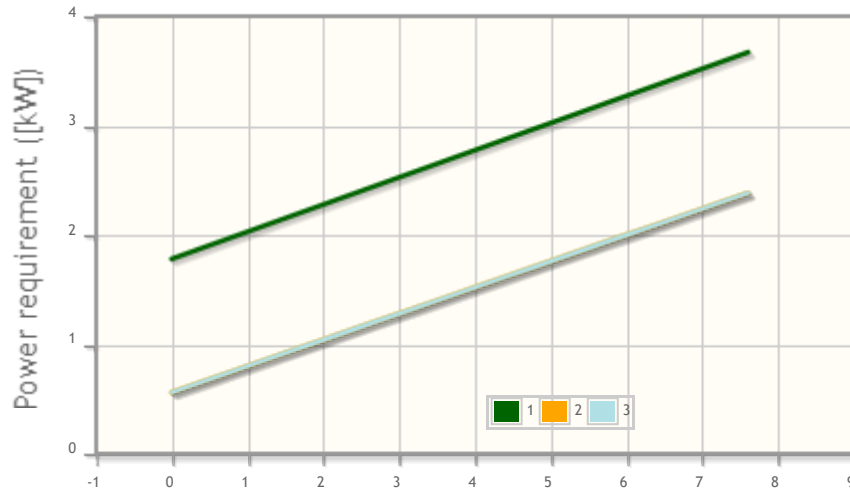
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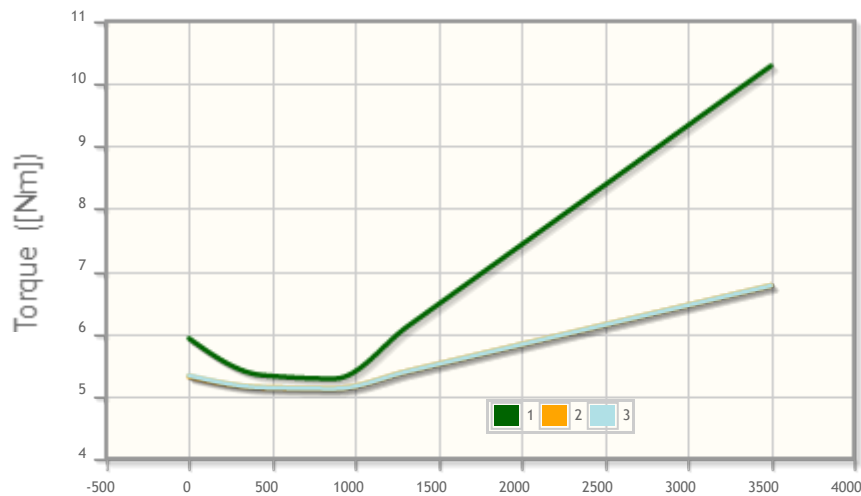
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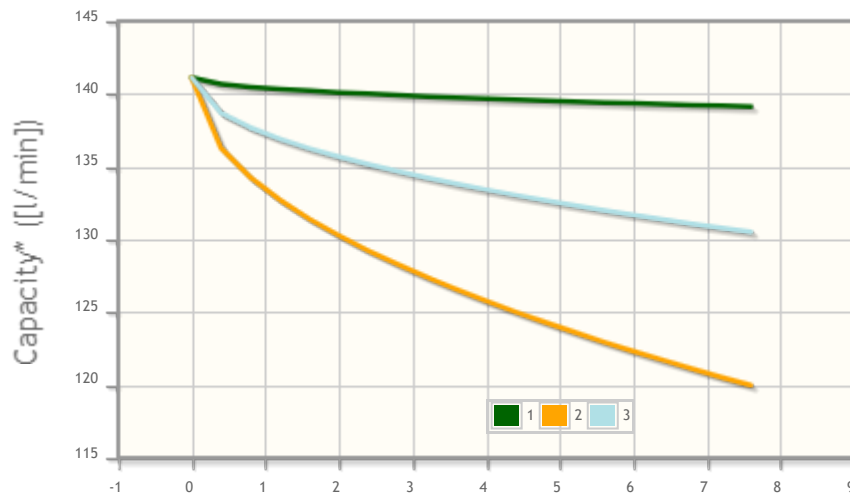
Power required



Starting torque



Capacity



Pressure ([bar])

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