

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	74	74	74
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*	88.31	65.29	77.95 [l/min]
	5.3	3.92	4.68 [m ³ /h]
Power requirement*	2.07	1.48	1.48 [kW]
Min. suction pressure (abs.)	5.24	6.19	6.19 [mWS]
NPSH required	2.95	2	2 [mWS]
Noise level pump	58.2	58.2	58.2 [dB(A)]
Noise level pump unit	61.11	59.9	59.9 [dB(A)]
Torque	11.28	8.08	8.08 [Nm]
Efficiency (total)	56.97	58.8	70.2 [%]
Efficiency (volumetric)	97.35	71.97	85.93 [%]
Axial velocity	2.1	2.1	2.1 [m/s]
Moment of inertia	0.0001656	0.0001656	0.0001656 [kgm ²]
Recommended motor	2,6 kW / BG 100 (79.49%)	1,8 kW / BG 90 (82.25%)	1,8 kW / BG 90 (82.25%)

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

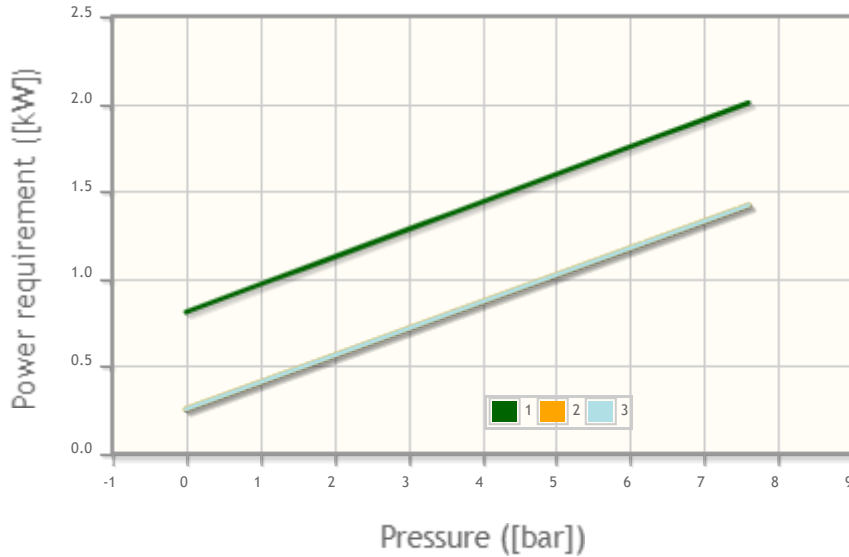
User: natr

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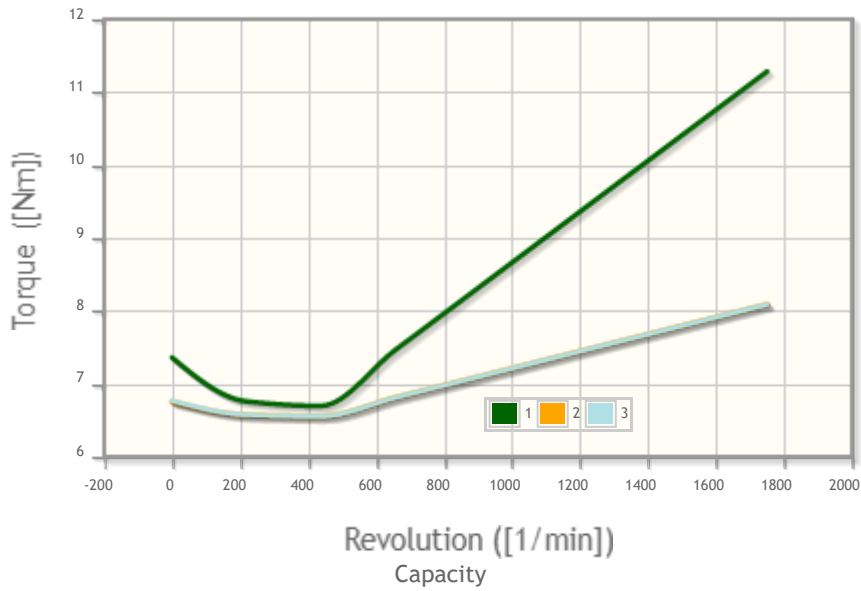
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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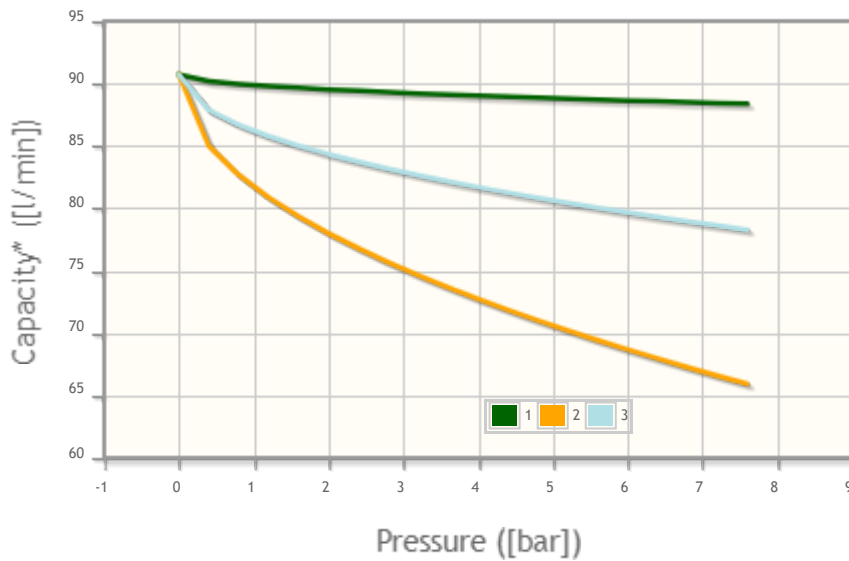
Power required



Starting torque



Capacity



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Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	74	74	74
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*	179.03	156.01	168.67 [l/min]
	10.74	9.36	10.12 [m ³ /h]
Power requirement*	4.84	3.19	3.19 [kW]
Min. suction pressure (abs.)	3.16	5.27	5.07 [mWS]
NPSH required	5.04	2.92	3.13 [mWS]
Noise level pump	62.2	62.2	62.2 [dB(A)]
Noise level pump unit	69.82	68.24	68.24 [dB(A)]
Torque	13.22	8.69	8.69 [Nm]
Efficiency (total)	49.28	65.3	70.6 [%]
Efficiency (volumetric)	98.67	85.98	92.96 [%]
Axial velocity	4.2	4.2	4.2 [m/s]
Moment of inertia	0.0001656	0.0001656	0.0001656 [kgm ²]
Recommended motor	4,8 kW / BG 112 (100.91%)	2,6 kW / BG 90 (122.52%)	2,6 kW / BG 90 (122.52%)

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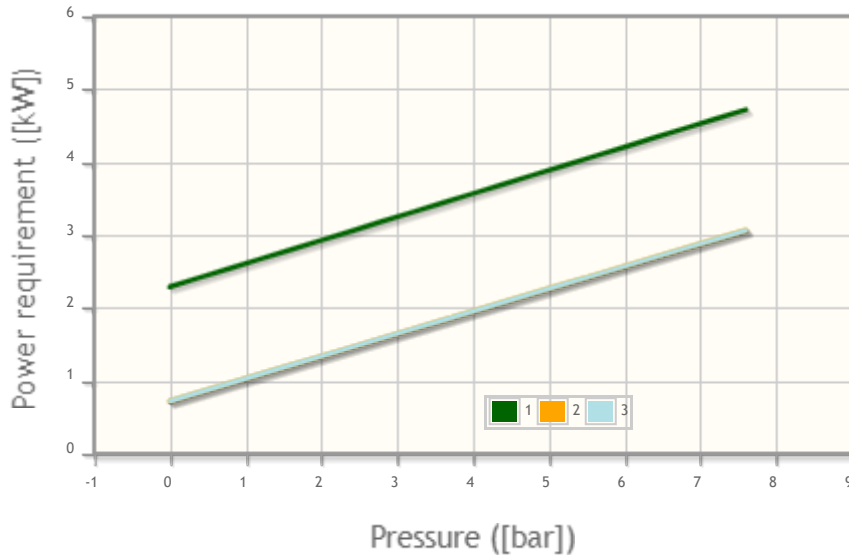
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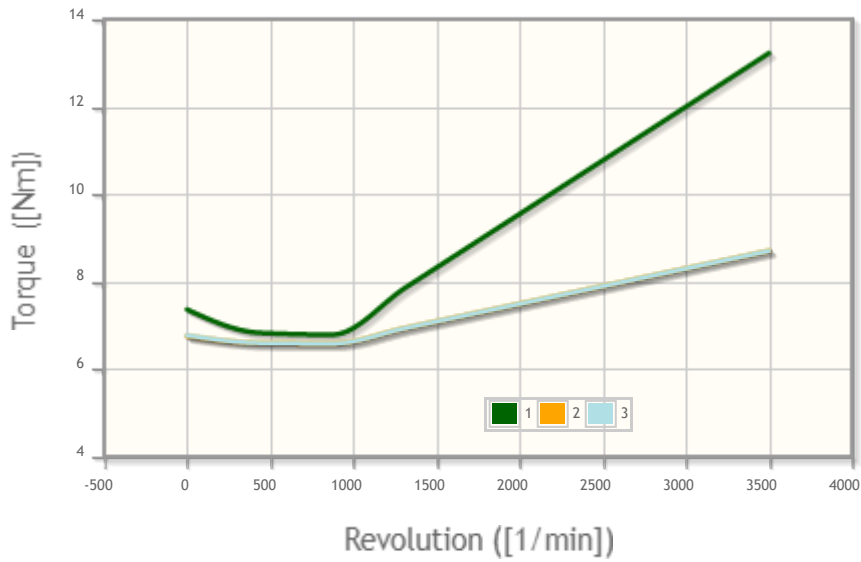
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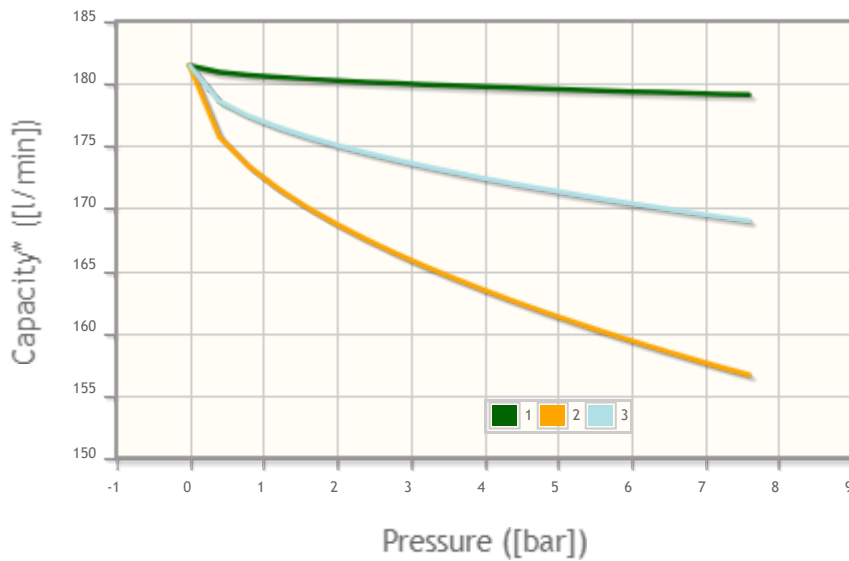
Power required



Starting torque



Capacity



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