

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	32	32	32
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*	37.53	26.07	32.37 [l/min]
	2.25	1.56	1.94 [m ³ /h]
Power requirement*	0.93	0.65	0.65 [kW]
Min. suction pressure (abs.)	5.67	6.19	6.19 [mWS]
NPSH required	2.52	2	2 [mWS]
Noise level pump	53.99	53.99	53.99 [dB(A)]
Noise level pump unit	56.54	55.45	55.45 [dB(A)]
Torque	5.07	3.53	3.53 [Nm]
Efficiency (total)	53.83	53.72	66.71 [%]
Efficiency (volumetric)	96.91	67.31	83.59 [%]
Axial velocity	1.4	1.4	1.4 [m/s]
Moment of inertia	0.0000553	0.0000553	0.0000553 [kgm ²]
Recommended motor	1,3 kW / BG 90 (71.51%)	0,65 kW / BG 80 (99.54%)	0,65 kW / BG 80 (99.54%)

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

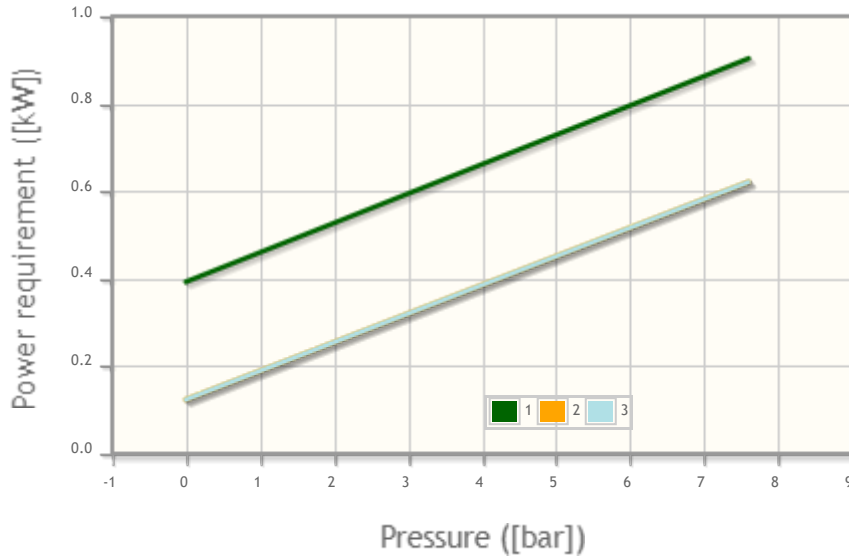
User: natr

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

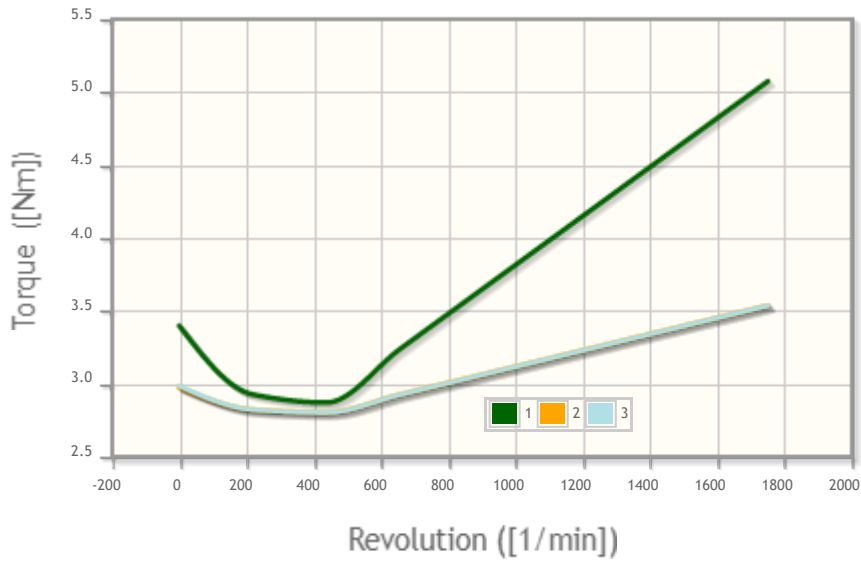
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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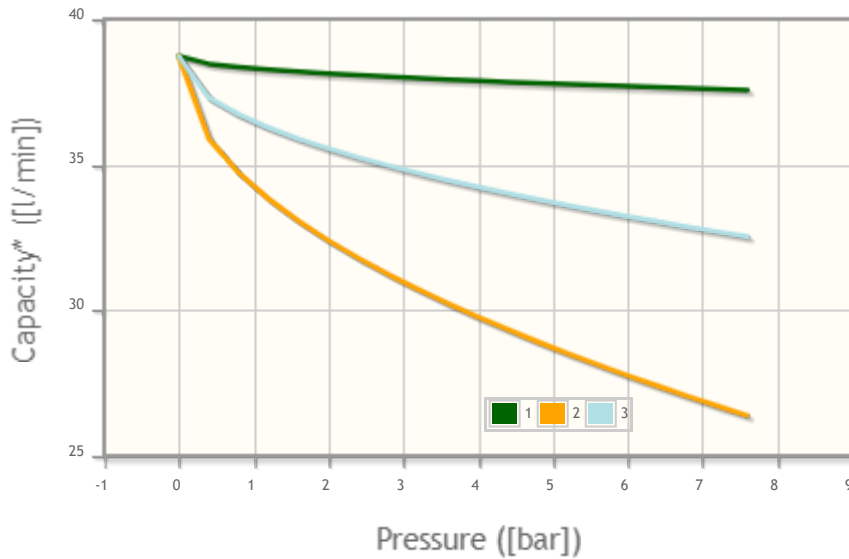
Power required



Starting torque



Capacity



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Series	R	R	R
Size	32	32	32
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*	76.26	64.8	71.1 [l/min]
	4.58	3.89	4.27 [m ³ /h]
Power requirement*	2.2	1.4	1.4 [kW]
Min. suction pressure (abs.)	4.7	6.06	5.93 [mWS]
NPSH required	3.5	2.13	2.27 [mWS]
Noise level pump	57.37	57.37	57.37 [dB(A)]
Noise level pump unit	67.45	66.56	66.56 [dB(A)]
Torque	6.01	3.83	3.83 [Nm]
Efficiency (total)	46.18	61.61	67.61 [%]
Efficiency (volumetric)	98.45	83.66	91.8 [%]
Axial velocity	2.8	2.8	2.8 [m/s]
Moment of inertia	0.0000553	0.0000553	0.0000553 [kgm ²]
Recommended motor	2,6 kW / BG 90 (84.67%)	1,8 kW / BG 90 (77.9%)	1,8 kW / BG 90 (77.9%)

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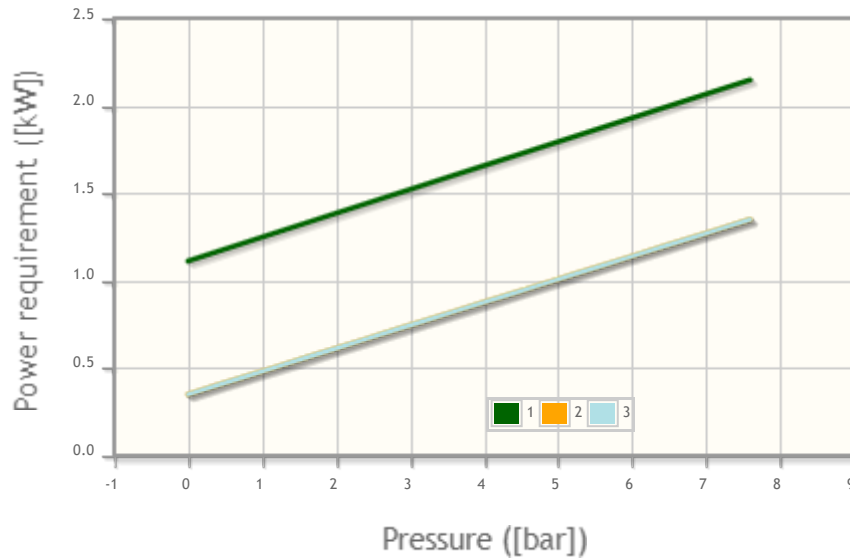
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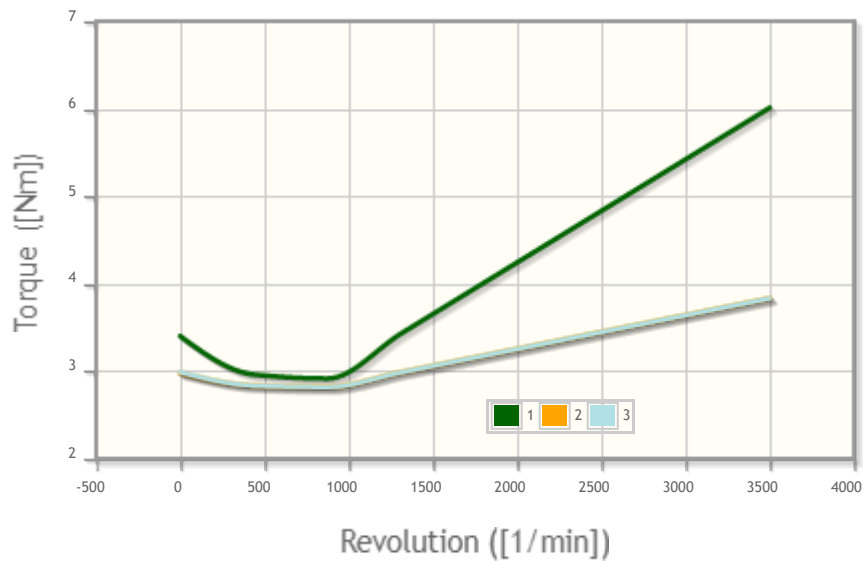
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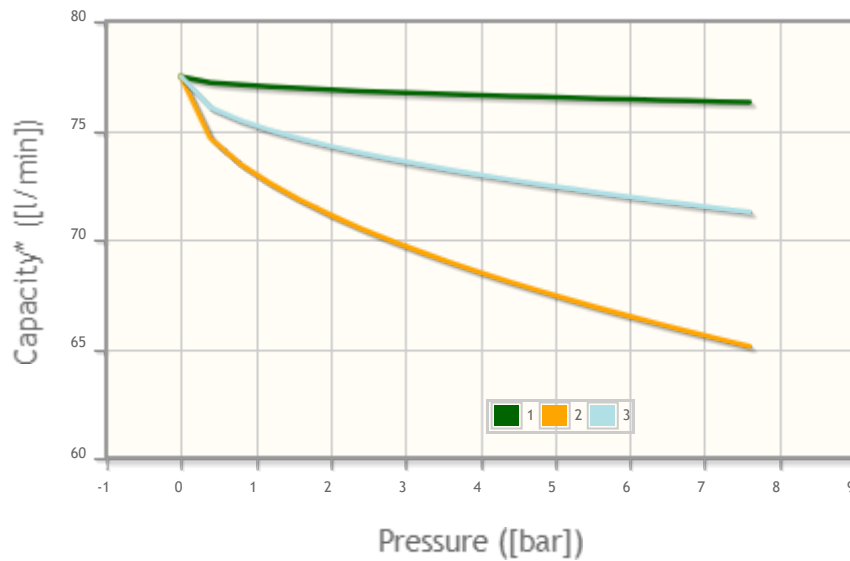
Power required



Starting torque



Capacity



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