

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	15	15	15
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*	17.92	10.46	14.56 [l/min]
	1.08	0.63	0.87 [m ³ /h]
Power requirement*	0.48	0.32	0.32 [kW]
Min. suction pressure (abs.)	5.83	6.19	6.19 [mWS]
NPSH required	2.37	2	2 [mWS]
Noise level pump	51.14	51.14	51.14 [dB(A)]
Noise level pump unit	53.62	53.62	53.62 [dB(A)]
Torque	2.62	1.76	1.76 [Nm]
Efficiency (total)	49.69	43.23	60.2 [%]
Efficiency (volumetric)	95.83	55.92	77.87 [%]
Axial velocity	1.11	1.11	1.11 [m/s]
Moment of inertia	0.0000172	0.0000172	0.0000172 [kgm ²]
Recommended motor	0,65 kW / BG 80 (73.99%)	0,44 kW / BG 71 (73.31%)	0,44 kW / BG 71 (73.31%)

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

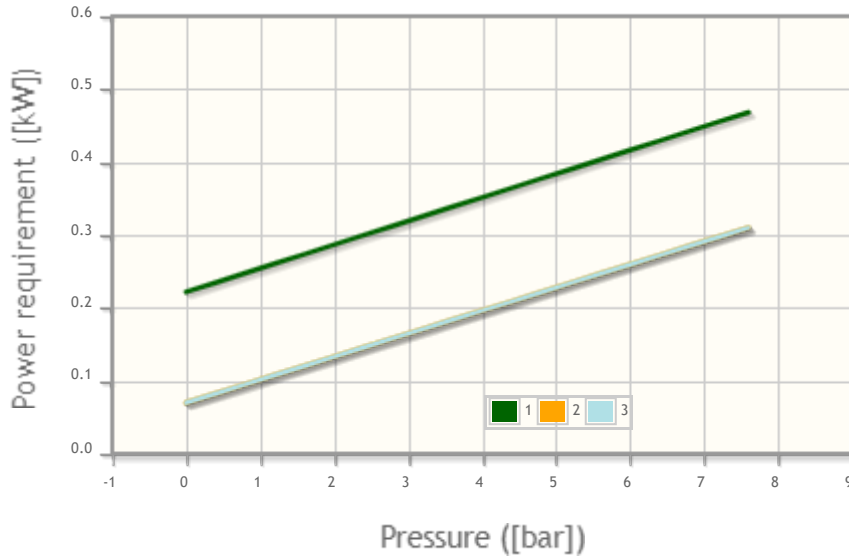
User: natr

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

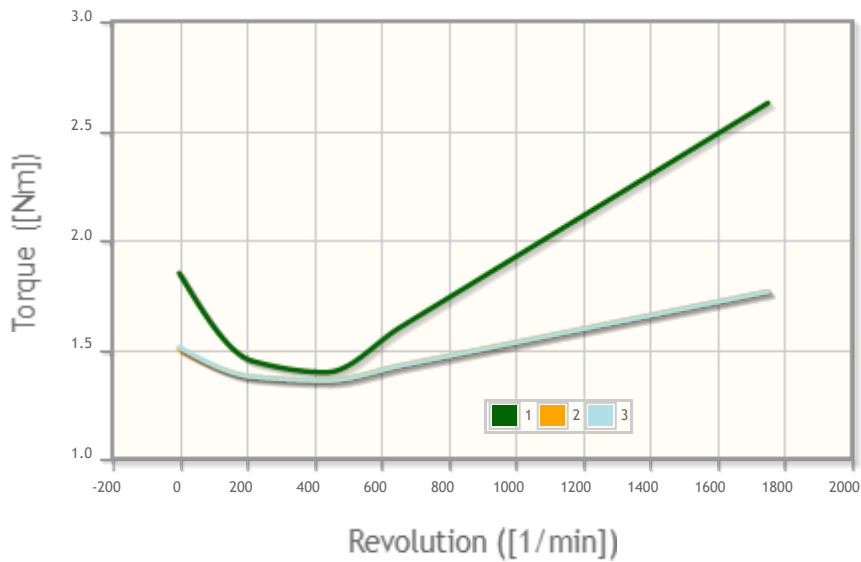
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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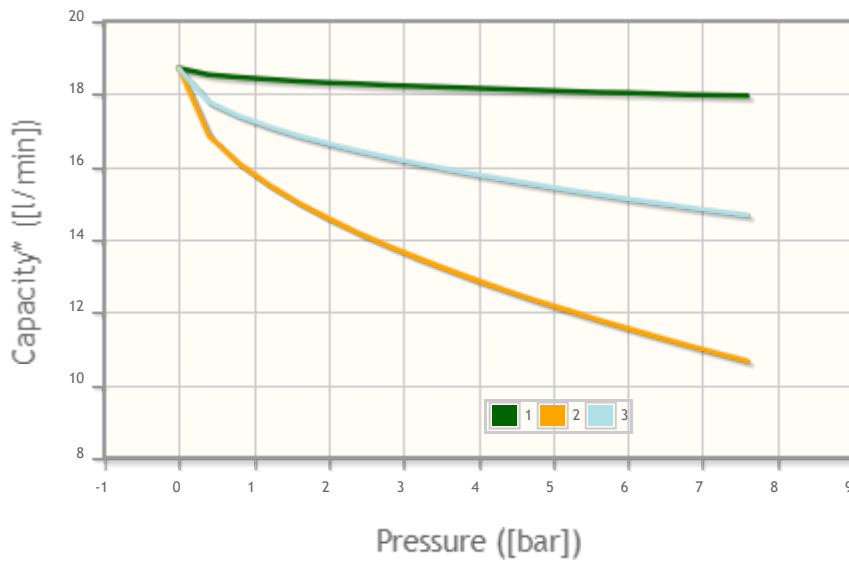
Power required



Starting torque



Capacity



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Series	R	R	R
Size	15	15	15
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*	36.63	29.16	33.27 [l/min]
	2.2	1.75	2 [m ³ /h]
Power requirement*	1.15	0.71	0.71 [kW]
Min. suction pressure (abs.)	5.16	6.19	6.19 [mWS]
NPSH required	3.04	2	2 [mWS]
Noise level pump	54.09	54.09	54.09 [dB(A)]
Noise level pump unit	62.65	61.81	61.81 [dB(A)]
Torque	3.15	1.93	1.93 [Nm]
Efficiency (total)	42.33	55.09	62.85 [%]
Efficiency (volumetric)	97.91	77.96	88.94 [%]
Axial velocity	2.22	2.22	2.22 [m/s]
Moment of inertia	0.0000172	0.0000172	0.0000172 [kgm ²]
Recommended motor	1,3 kW / BG 80 (88.75%)	0,9 kW / BG 80 (78.42%)	0,9 kW / BG 80 (78.42%)

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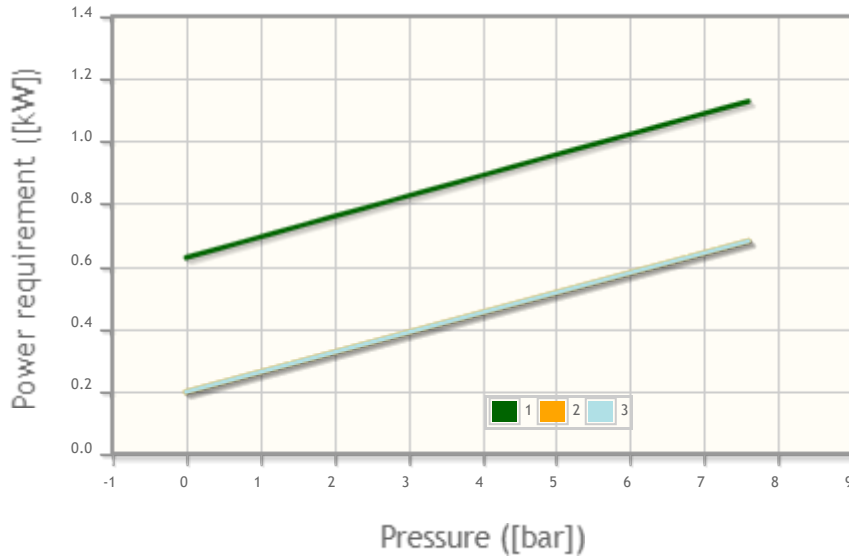
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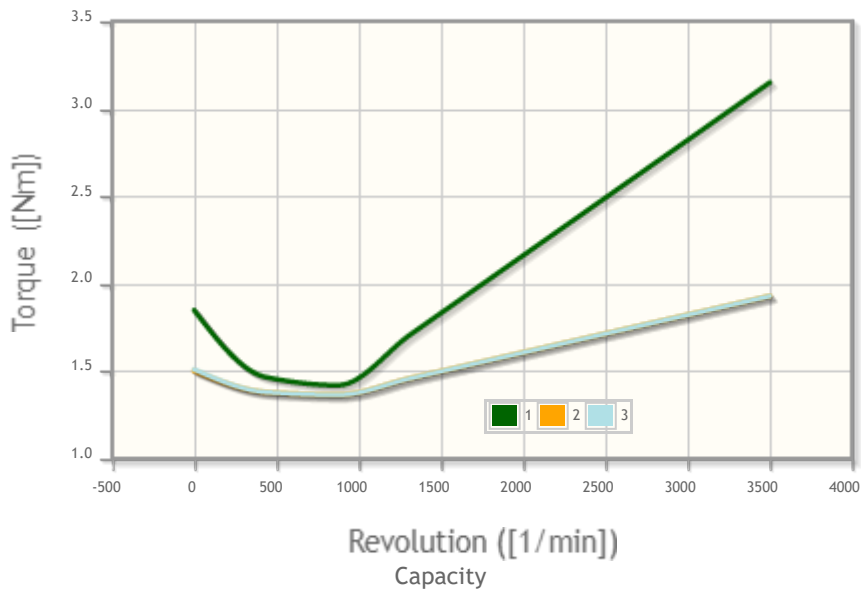
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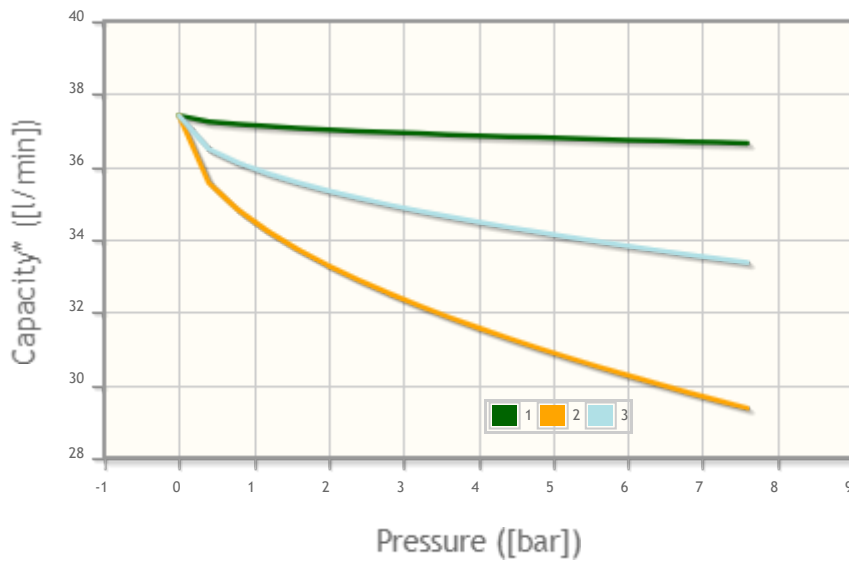
Power required



Starting torque



Capacity



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