

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	118	118	118
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*	140.16	108.01	125.69 [l/min]
	8.41	6.48	7.54 [m ³ /h]
Power requirement*	3.19	2.32	2.32 [kW]
Min. suction pressure (abs.)	4.85	6.14	6.01 [mWS]
NPSH required	3.35	2.05	2.18 [mWS]
Noise level pump	60.79	60.79	60.79 [dB(A)]
Noise level pump unit	63	62.63	62.63 [dB(A)]
Torque	17.42	12.65	12.65 [Nm]
Efficiency (total)	58.55	62.14	72.31 [%]
Efficiency (volumetric)	97.66	75.26	87.58 [%]
Axial velocity	2.63	2.63	2.63 [m/s]
Moment of inertia	0.0002416	0.0002416	0.0002416 [kgm ²]
Recommended motor	3,6 kW / BG 100 (88.66%)	2,6 kW / BG 100 (89.14%)	2,6 kW / BG 100 (89.14%)

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

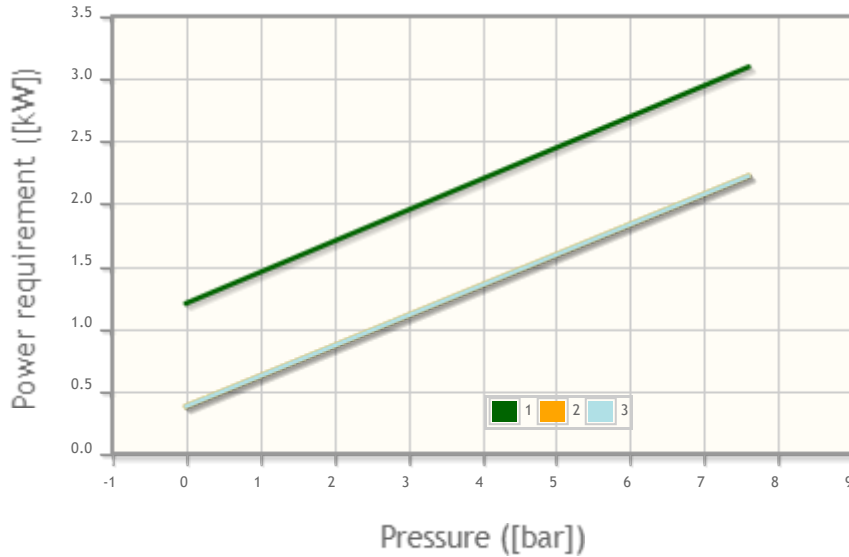
User: natr

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

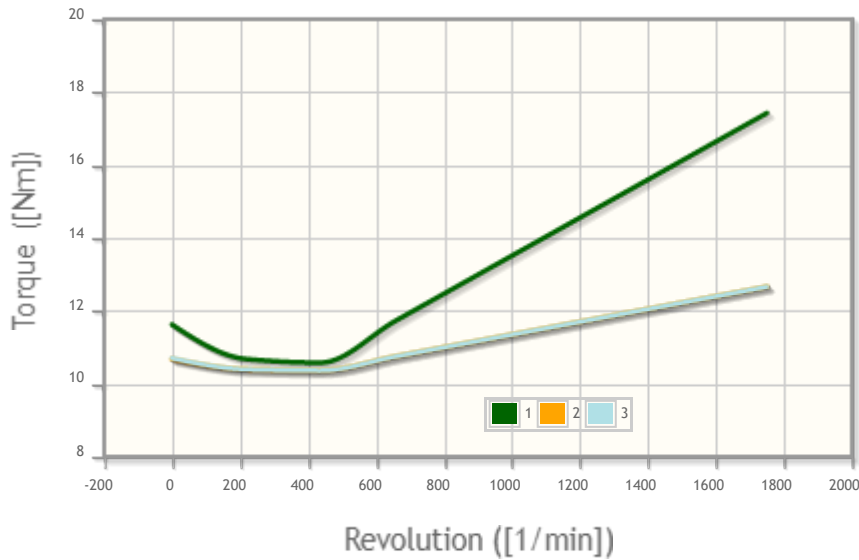
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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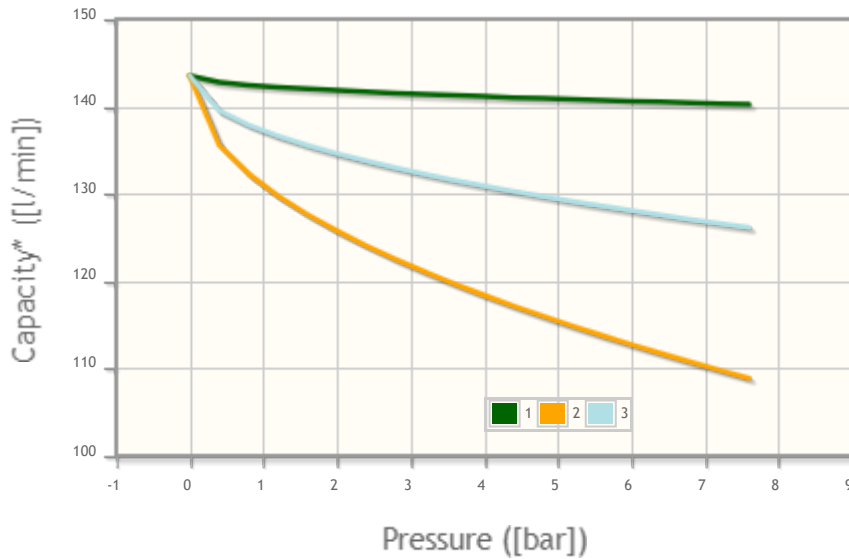
Power required



Starting torque



Capacity



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Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	118	118	118
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*	283.67	251.52	269.21 [l/min]
	17.02	15.09	16.15 [m ³ /h]
Power requirement*	7.44	4.97	4.97 [kW]
Min. suction pressure (abs.)	1.44	4.43	4.15 [mWS]
NPSH required	6.76	3.76	4.04 [mWS]
Noise level pump	65.18	65.18	65.18 [dB(A)]
Noise level pump unit	74.54	73.66	73.66 [dB(A)]
Torque	20.3	13.56	13.56 [Nm]
Efficiency (total)	50.82	67.48	72.23 [%]
Efficiency (volumetric)	98.83	87.63	93.79 [%]
Axial velocity	5.25	5.25	5.25 [m/s]
Moment of inertia	0.0002416	0.0002416	0.0002416 [kgm ²]
Recommended motor	9 kW / BG 132 (82.69%)	6,5 kW / BG 132 (76.46%)	6,5 kW / BG 132 (76.46%)

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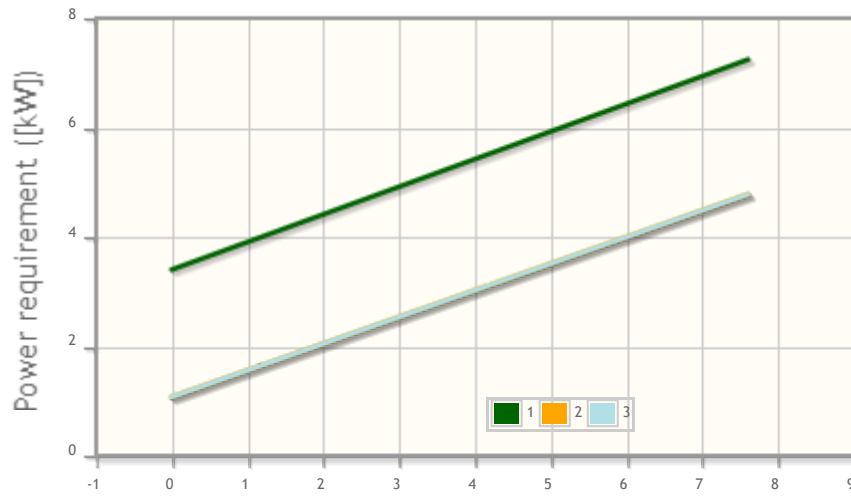
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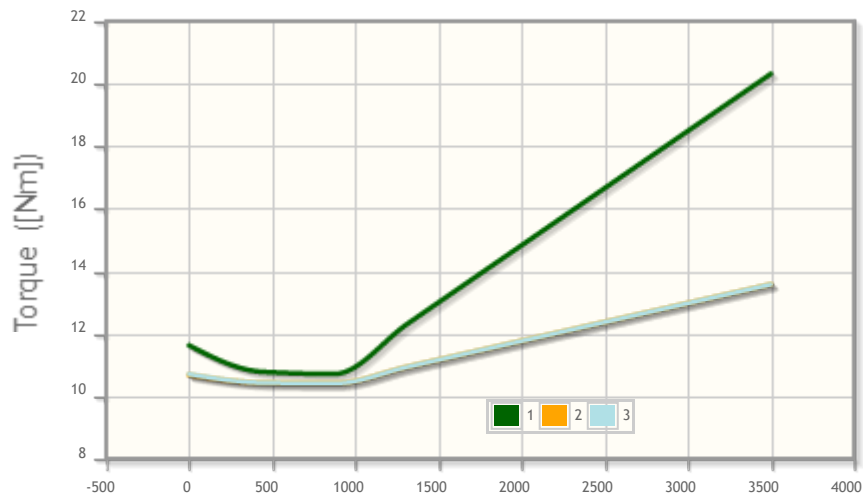
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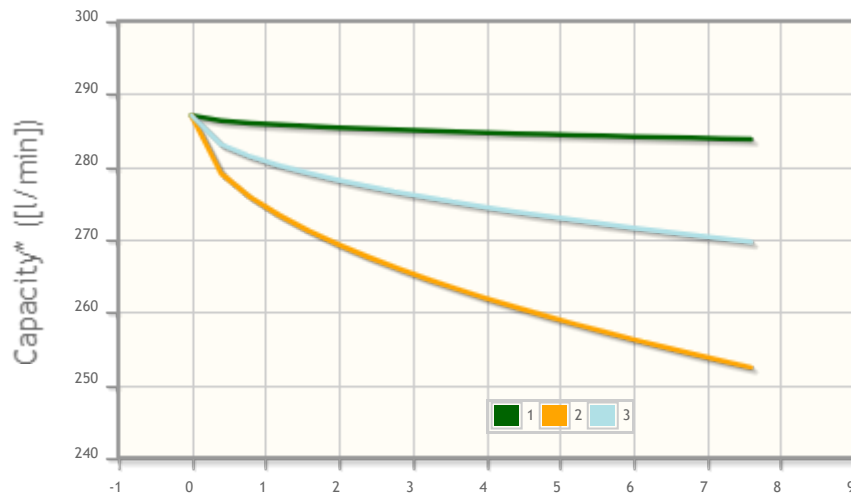
Power required



Starting torque



Capacity



Pressure ([bar])

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