

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	105	105	105
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*	117.36	80.54	100.79 [l/min]
	7.04	4.83	6.05 [m ³ /h]
Power requirement*	2.7	1.96	1.96 [kW]
Min. suction pressure (abs.)	5.16	6.19	6.19 [mWS]
NPSH required	3.04	2	2 [mWS]
Noise level pump	59.57	59.57	59.57 [dB(A)]
Noise level pump unit	62.31	61.87	61.87 [dB(A)]
Torque	14.71	10.68	10.68 [Nm]
Efficiency (total)	58.05	54.87	68.66 [%]
Efficiency (volumetric)	96.83	66.45	83.16 [%]
Axial velocity	2.22	2.22	2.22 [m/s]
Moment of inertia	0.0002416	0.0002416	0.0002416 [kgm ²]
Recommended motor	3,6 kW / BG 100 (74.87%)	2,6 kW / BG 100 (75.28%)	2,6 kW / BG 100 (75.28%)

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

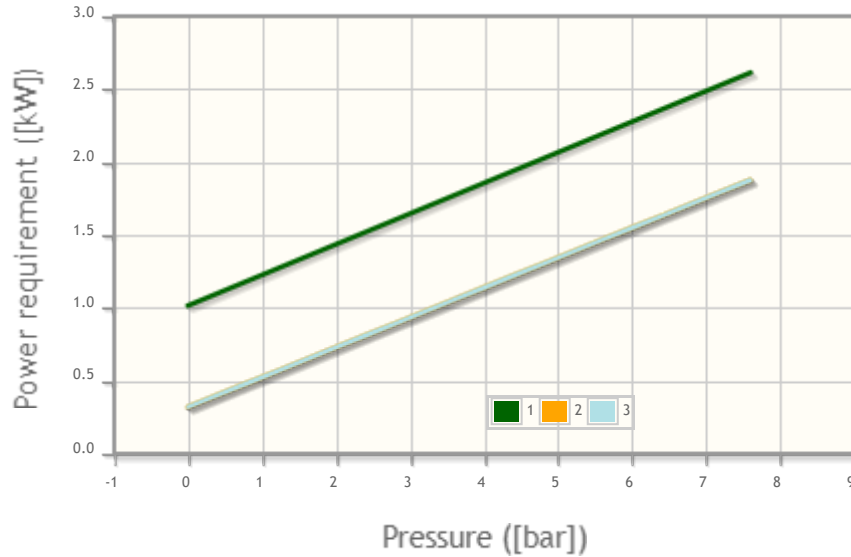
User: natr

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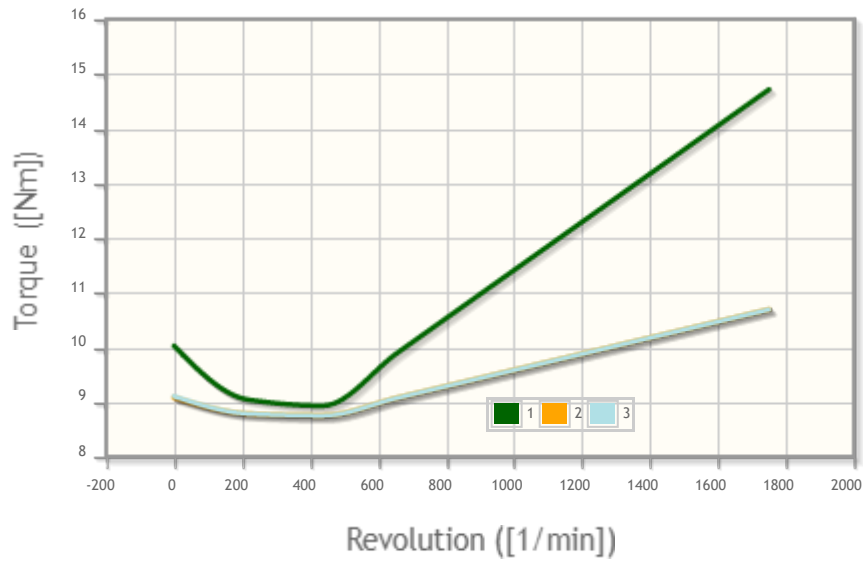
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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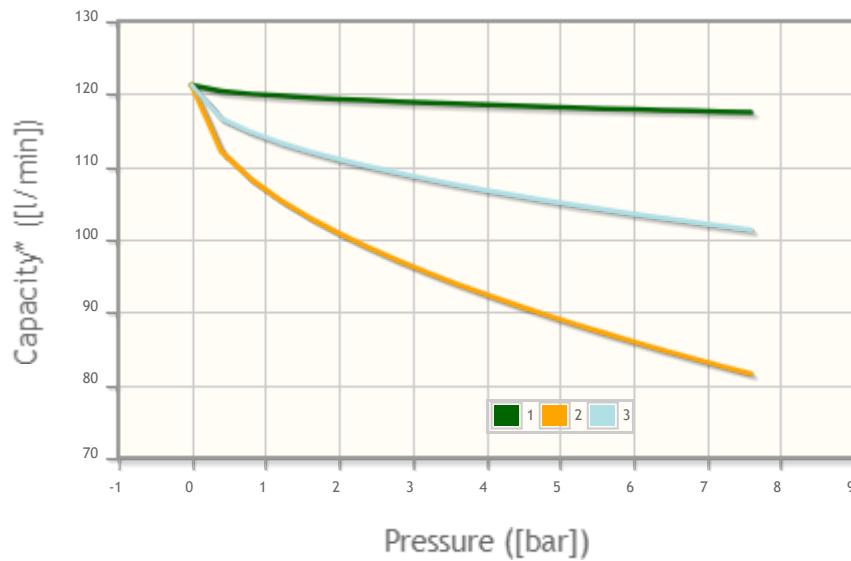
Power required



Starting torque



Capacity



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Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	105	105	105
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*	238.56	201.75	222 [l/min]
	14.31	12.1	13.32 [m ³ /h]
Power requirement*	6.29	4.2	4.2 [kW]
Min. suction pressure (abs.)	2.82	5.1	4.89 [mWS]
NPSH required	5.37	3.09	3.31 [mWS]
Noise level pump	63.78	63.78	63.78 [dB(A)]
Noise level pump unit	73.49	69.39	69.39 [dB(A)]
Torque	17.15	11.45	11.45 [Nm]
Efficiency (total)	50.61	64.09	70.52 [%]
Efficiency (volumetric)	98.41	83.23	91.58 [%]
Axial velocity	4.43	4.43	4.43 [m/s]
Moment of inertia	0.0002416	0.0002416	0.0002416 [kgm ²]
Recommended motor	6,5 kW / BG 132 (96.69%)	3,6 kW / BG 100 (116.59%)	3,6 kW / BG 100 (116.59%)

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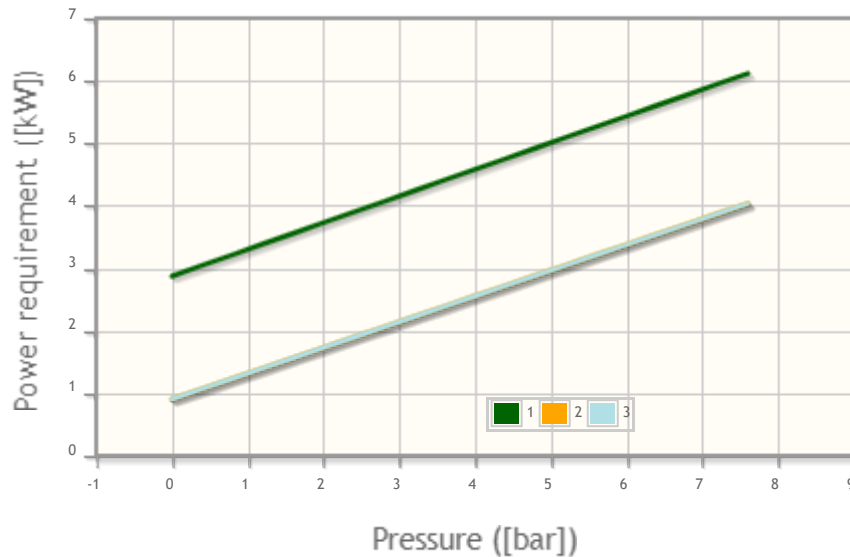
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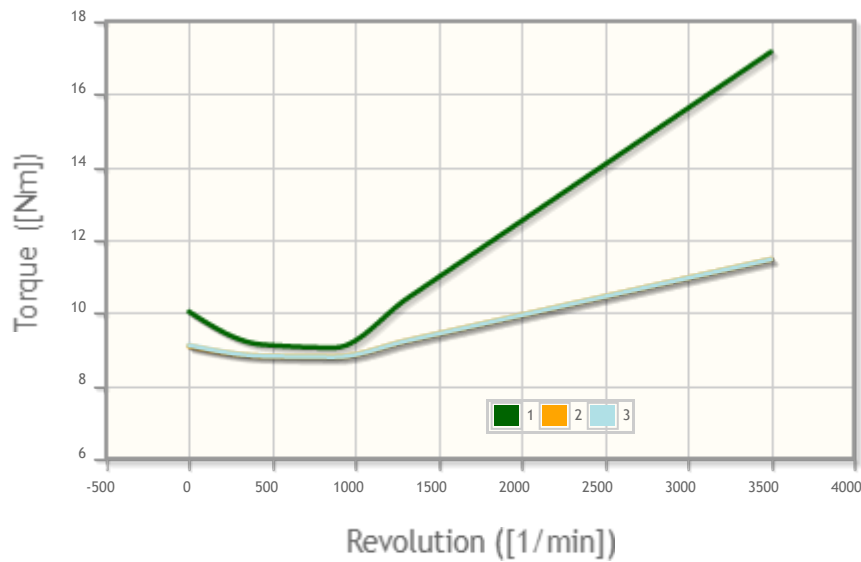
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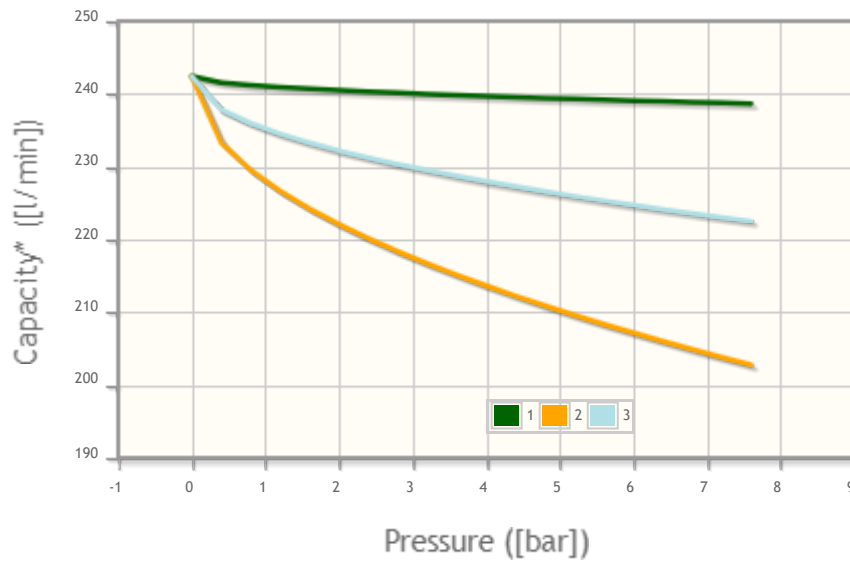
Power required



Starting torque



Capacity



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