

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	160	160	160
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*	195.55	151.9	175.91 [l/min]
	11.73	9.11	10.55 [m ³ /h]
Power requirement*	4.29	3.18	3.18 [kW]
Min. suction pressure (abs.)	4.98	6.19	6.09 [mWS]
NPSH required	3.21	2	2.1 [mWS]
Noise level pump	62.14	62.14	62.14 [dB(A)]
Noise level pump unit	64.21	63.85	63.85 [dB(A)]
Torque	23.42	17.36	17.36 [Nm]
Efficiency (total)	60.75	63.66	73.72 [%]
Efficiency (volumetric)	97.72	75.91	87.9 [%]
Axial velocity	2.45	2.45	2.45 [m/s]
Moment of inertia	0.0007606	0.0007606	0.0007606 [kgm ²]
Recommended motor	4,8 kW / BG 112 (89.42%)	3,6 kW / BG 100 (88.37%)	3,6 kW / BG 100 (88.37%)

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

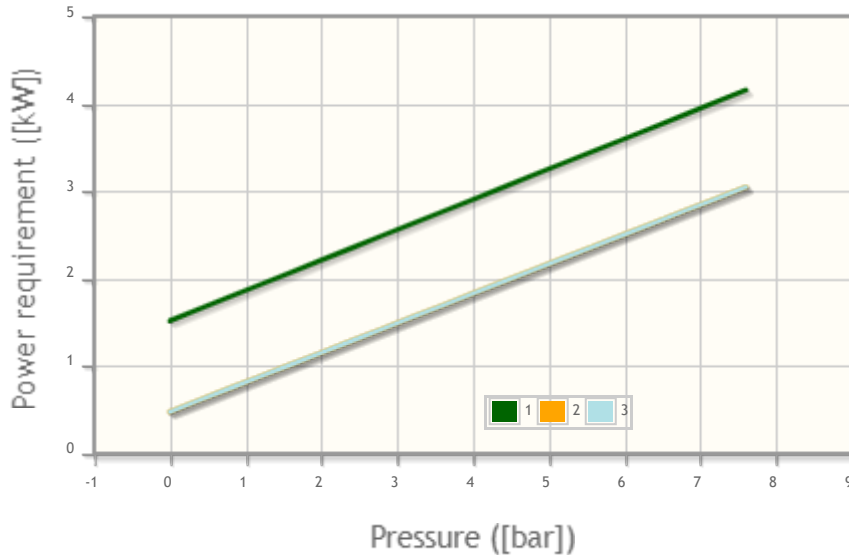
User: natr

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

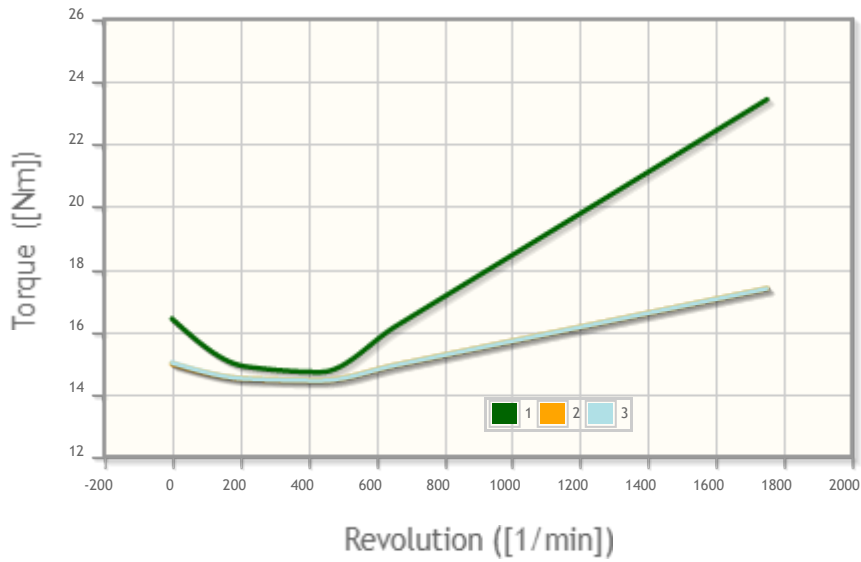
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

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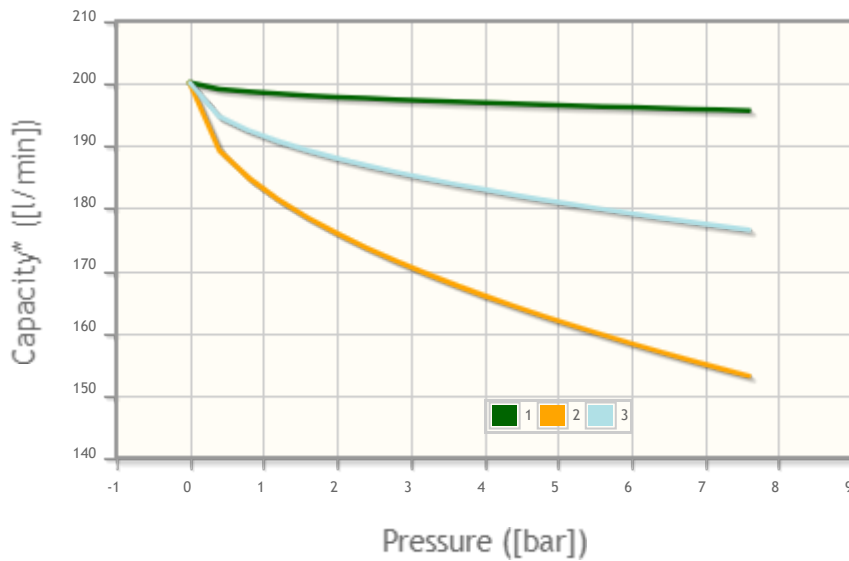
Power required



Starting torque



Capacity



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Series	R	R	R
Size	160	160	160
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*	395.66	352.01	376.02 [l/min]
	23.74	21.12	22.56 [m ³ /h]
Power requirement*	9.93	6.79	6.79 [kW]
Min. suction pressure (abs.)	2.08	4.74	4.49 [mWS]
NPSH required	6.12	3.46	3.7 [mWS]
Noise level pump	66.72	66.72	66.72 [dB(A)]
Noise level pump unit	74.74	73.92	73.92 [dB(A)]
Torque	27.09	18.52	18.52 [Nm]
Efficiency (total)	53.13	69.14	73.86 [%]
Efficiency (volumetric)	98.86	87.95	93.95 [%]
Axial velocity	4.9	4.9	4.9 [m/s]
Moment of inertia	0.0007606	0.0007606	0.0007606 [kgm ²]
Recommended motor	9 kW / BG 132 (110.33%)	6,5 kW / BG 132 (104.43%)	6,5 kW / BG 132 (104.43%)

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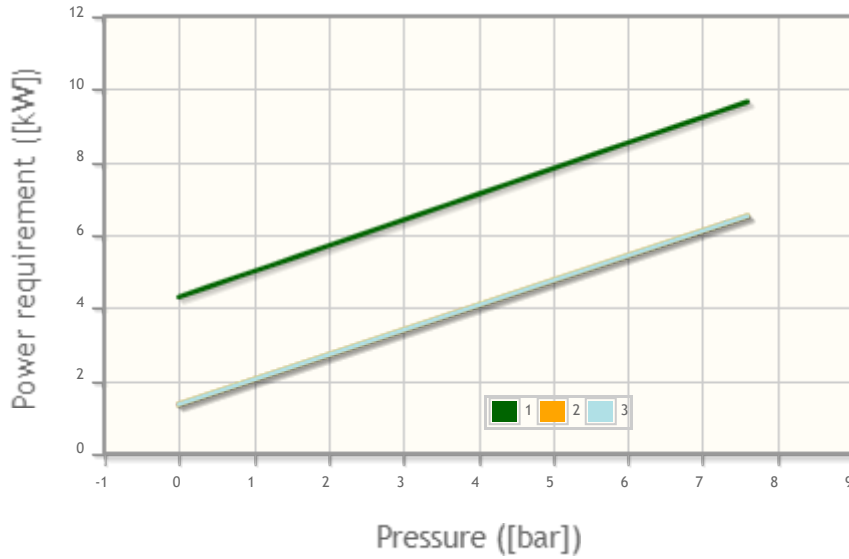
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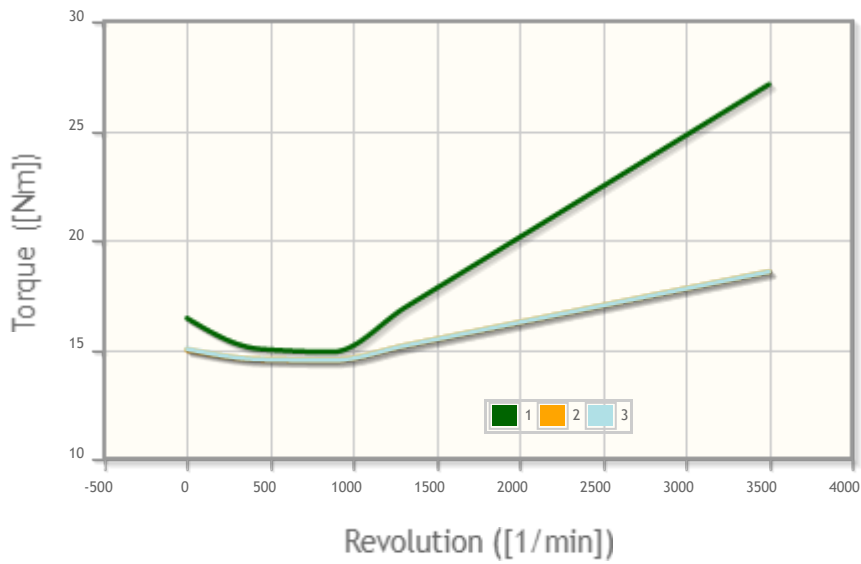
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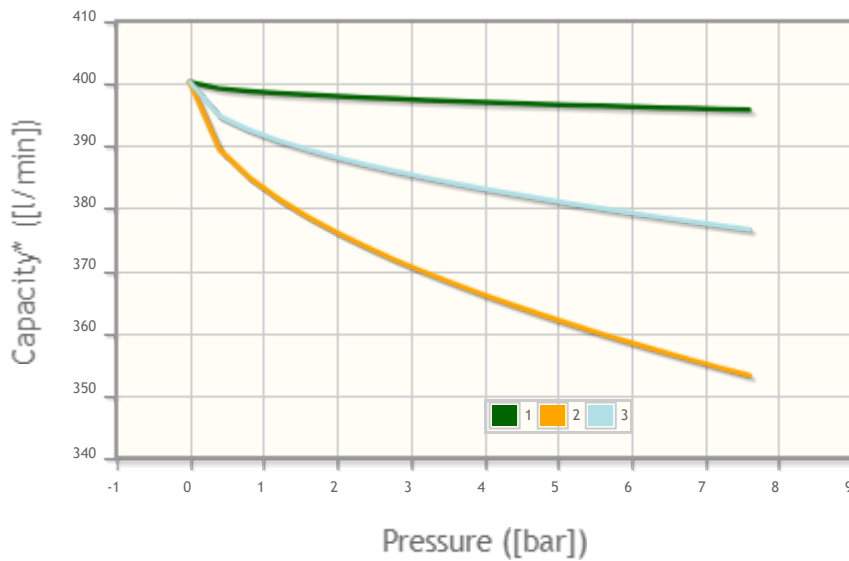
Power required



Starting torque



Capacity



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